

**International Journal of
PHYSICAL EDUCATION, FITNESS AND SPORTS**

Electronic Supplementary Information

**From Discovery to Decision Impact in Precision Sports Medicine: A Review-Level
Translational Evidence Map**

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DOI: <https://doi.org/10.54392/ijpefs2636>

Received: 19-05-2026; Revised: 30-08-2026; Accepted: 08-09-2026; Published: 15-09-2026

Supplementary Table 1. Search Strategy

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
PubMed	2026-08-10	Genomics and epigenomics	("Athletes"[Mesh] OR athlete\[tiab] OR sport\[tiab] OR player\[tiab] OR sportspeople[tiab] OR "elite athlete"*[tiab] OR "competitive athlete"*[tiab] OR "professional athlete"*[tiab] OR "trained athlete"*[tiab]) AND ("Genetic Predisposition to Disease"[Mesh] OR "Genetic Association Studies"[Mesh] OR "Genome-Wide Association Study"[Publication Type] OR "Epigenomics"[Mesh] OR genetic\[tiab] OR genomic\[tiab] OR genotype\[tiab] OR polymorphism\[tiab] OR variant\[tiab] OR SNP[tiab] OR SNPs[tiab] OR "single nucleotide polymorphism"*[tiab] OR GWAS[tiab] OR "genome wide association"*[tiab] OR "genome-wide association"*[tiab] OR "polygenic score"*[tiab] OR "polygenic risk score"*[tiab] OR epigenetic\[tiab] OR epigenomic\[tiab] OR methylation[tiab] OR "DNA methylation"[tiab] OR "gene environment interaction"*[tiab] OR "gene-environment interaction"*[tiab]) AND systematic[sb]	Database inception to search date; review-level query; no language, free-full-text, recent-year, adult-only or elite-only restriction.	2265

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
PubMed	2026-08-10	Molecular omics and circulating biomarkers	("Athletes"[Mesh] OR athlete\[tiab] OR sport\[tiab] OR player\[tiab] OR sportspeople[tiab] OR "elite athlete\[tiab] OR "competitive athlete\[tiab]) AND ("Proteomics"[Mesh] OR "Metabolomics"[Mesh] OR "Transcriptome"[Mesh] OR "Microbiota"[Mesh] OR "Biomarkers"[Mesh] OR transcriptom\[tiab] OR proteom\[tiab] OR metabolom\[tiab] OR lipidom\[tiab] OR microbiom\[tiab] OR microbiota[tiab] OR microRNA\[tiab] OR miRNA\[tiab] OR biomarker\[tiab] OR "biological marker\[tiab] OR "molecular marker\[tiab] OR cytokine\[tiab] OR chemokine\[tiab] OR cortisol[tiab] OR testosterone[tiab] OR "creatine kinase"[tiab] OR lactate[tiab] OR ferritin[tiab] OR "C-reactive protein"[tiab] OR "inflammatory marker\[tiab] OR "oxidative stress marker\[tiab] OR "muscle damage marker\[tiab] OR "tissue turnover marker\[tiab] OR "extracellular vesicle\[tiab] OR "cell-free DNA"[tiab] OR "cell free DNA"[tiab]) AND systematic[sb]	Database inception to search date; review-level query; no language, free- full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
PubMed	2026-08-10	Digital biomarkers and wearables	("Athletes"[Mesh] OR athlete\[tiab] OR sport\[tiab] OR player\[tiab] OR sportspeople[tiab]) AND ("Wearable Electronic Devices"[Mesh] OR wearable\[tiab] OR "wearable sensor"*[tiab] OR "wearable device"*[tiab] OR "smart garment"*[tiab] OR "digital biomarker"*[tiab] OR "digital phenotype"*[tiab] OR "physiological monitoring"[tiab] OR "continuous monitoring"[tiab] OR acceleromet\[tiab] OR "global positioning system"*[tiab] OR GPS[tiab] OR GNSS[tiab] OR "inertial measurement unit"*[tiab] OR IMU[tiab] OR "heart rate variability"[tiab] OR HRV[tiab] OR photoplethysmograph\[tiab] OR "skin temperature"[tiab] OR "sleep tracking"[tiab] OR "training load"[tiab] OR "player load"[tiab]) AND (performance[tiab] OR adaptation[tiab] OR fatigue[tiab] OR recovery[tiab] OR readiness[tiab] OR overreaching[tiab] OR overtraining[tiab] OR injur\[tiab] OR rehabilitation[tiab] OR "return to sport"[tiab] OR "return to play"[tiab] OR illn[tiab] OR monitoring[tiab]) AND systematic[sb]	Database inception to search date; review-level query; no language, free-full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
PubMed	2026-08-10	Imaging, biomechanics and neuromuscular markers	("Athletes"[Mesh] OR athlete\[tiab] OR sport\[tiab] OR player\[tiab]) AND ("Magnetic Resonance Imaging"[Mesh] OR "Ultrasonography"[Mesh] OR "Biomechanical Phenomena"[Mesh] OR "Electromyography"[Mesh] OR MRI[tiab] OR "magnetic resonance imaging"[tiab] OR ultrasound[tiab] OR ultrasonograph\[tiab] OR elastograph\[tiab] OR DXA[tiab] OR DEXA[tiab] OR "muscle architecture"[tiab] OR "tendon morphology"[tiab] OR "tissue stiffness"[tiab] OR biomechan\[tiab] OR kinematic\[tiab] OR kinetic\[tiab] OR "ground reaction force\[tiab] OR "joint moment\[tiab] OR "joint load\[tiab] OR "loading rate"[tiab] OR asymmetr\[tiab] OR "movement pattern\[tiab] OR "landing mechanic\[tiab] OR "running mechanic\[tiab] OR "force plate\[tiab] OR neuromuscular[tiab] OR electromyograph\[tiab] OR EMG[tiab] OR "countermovement jump"[tiab] OR "rate of force development"[tiab]) AND (performance[tiab] OR injur\[tiab] OR recovery[tiab] OR rehabilitation[tiab] OR readiness[tiab] OR "return to sport"[tiab] OR "return to play"[tiab] OR susceptibility[tiab] OR risk[tiab]) AND systematic[sb]	Database inception to search date; review-level query; no language, free-full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
PubMed	2026-08-10	Artificial intelligence and multimodal integration	("Athletes"[Mesh] OR athlete\[tiab] OR sport\[tiab] OR player\[tiab]) AND ("Artificial Intelligence"[Mesh] OR "Machine Learning"[Mesh] OR "Deep Learning"[Mesh] OR "artificial intelligence"[tiab] OR "machine learning"[tiab] OR "deep learning"[tiab] OR "neural network\[tiab] OR "random forest\[tiab] OR "gradient boost\[tiab] OR "support vector machine\[tiab] OR "decision tree\[tiab] OR "ensemble learning"[tiab] OR "predictive model\[tiab] OR "prediction model\[tiab] OR "multimodal model\[tiab] OR "multimodal learning"[tiab] OR "data fusion"[tiab] OR "feature fusion"[tiab] OR "representation learning"[tiab] OR "digital twin\[tiab] OR "decision support"[tiab]) AND (injur\[tiab] OR fatigue[tiab] OR recovery[tiab] OR readiness[tiab] OR performance[tiab] OR adaptation[tiab] OR rehabilitation[tiab] OR "return to sport"[tiab] OR "return to play"[tiab] OR illness[tiab] OR overtraining[tiab] OR overreaching[tiab] OR "training response"[tiab] OR "athlete monitoring"[tiab]) AND systematic[sb]	Database inception to search date; review-level query; no language, free-full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
PubMed	2026-08-10	Explicit precision sports medicine terminology	("precision sports medicine"[tiab] OR "precision sport medicine"[tiab] OR "personalized sports medicine"[tiab] OR "personalised sports medicine"[tiab] OR "precision exercise medicine"[tiab] OR "precision athlete monitoring"[tiab] OR "individualized athlete monitoring"[tiab] OR "individualised athlete monitoring"[tiab] OR "personalized training"[tiab] OR "personalised training"[tiab]) AND systematic[sb]	Database inception to search date; review-level query; no language, free-full-text, recent-year, adult-only or elite-only restriction.	
Scopus	2026-08-11	Genomics and epigenomics	TITLE-ABS-KEY(athlete* OR sport* OR player* OR sportspeople OR "elite athlete*" OR "competitive athlete*" OR "professional athlete*" OR "trained athlete*") AND TITLE-ABS-KEY(genetic* OR genomic* OR genotype* OR polymorphism* OR variant* OR SNP OR SNPs OR "single nucleotide polymorphism*" OR GWAS OR "genome wide association*" OR "genome-wide association*" OR "polygenic score*" OR "polygenic risk score*" OR epigenetic* OR epigenomic* OR methylation OR "DNA methylation" OR "gene environment interaction*" OR "gene-environment interaction*") AND TITLE-ABS-KEY("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review")	Database inception to search date; review-level query; no language, free-full-text, recent-year, adult-only or elite-only restriction.	5084

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
Scopus	2026-08-11	Molecular omics and circulating biomarkers	TITLE-ABS-KEY(athlete* OR sport* OR player* OR sportspeople OR "elite athlete*" OR "competitive athlete*") AND TITLE-ABS-KEY(transcriptom* OR proteom* OR metabolom* OR lipidom* OR microbiom* OR microbiota OR microRNA* OR miRNA* OR biomarker* OR "biological marker*" OR "molecular marker*") OR cytokine* OR chemokine* OR cortisol OR testosterone OR "creatine kinase" OR lactate OR ferritin OR "C-reactive protein" OR "inflammatory marker*") OR "oxidative stress marker*") OR "muscle damage marker*") OR "tissue turnover marker*") OR "extracellular vesicle*") OR "cell-free DNA" OR "cell free DNA") AND TITLE-ABS-KEY("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review")	Database inception to search date; review-level query; no language, free- full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
Scopus	2026-08-11	Digital biomarkers and wearables	TITLE-ABS-KEY(athlete* OR sport* OR player* OR sportspeople) AND TITLE-ABS-KEY(wearable* OR "wearable sensor*" OR "wearable device*" OR "smart garment*" OR "digital biomarker*" OR "digital phenotype*" OR "physiological monitoring" OR "continuous monitoring" OR acceleromet* OR "global positioning system*" OR GPS OR GNSS OR "inertial measurement unit*" OR IMU OR "heart rate variability" OR HRV OR photoplethysmograph* OR PPG OR "skin temperature" OR "sleep tracking" OR "training load" OR "player load") AND TITLE-ABS-KEY(performance OR adaptation OR fatigue OR recovery OR readiness OR overreaching OR overtraining OR injur* OR rehabilitation OR "return to sport" OR "return to play" OR illness OR monitoring) AND TITLE-ABS-KEY("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review")	Database inception to search date; review-level query; no language, free- full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
Scopus	2026-08-11	Imaging, biomechanics and neuromuscular markers	TITLE-ABS-KEY(athlete* OR sport* OR player* OR sportspeople OR "elite athlete*" OR "competitive athlete*" OR "professional athlete*" OR "trained athlete*") AND TITLE-ABS-KEY(MRI OR "magnetic resonance imaging" OR ultrasound OR ultrasonograph* OR elastograph* OR DXA OR DEXA OR "muscle architecture" OR "tendon morphology" OR "tissue stiffness" OR biomechan* OR kinematic* OR kinetic* OR "ground reaction force*" OR "joint moment*" OR "joint load*" OR "loading rate" OR asymmet* OR "movement pattern*" OR "landing mechanic*" OR "running mechanic*" OR "force plate*" OR neuromuscular OR electromyograph* OR EMG OR "countermovement jump" OR "rate of force development") AND TITLE-ABS-KEY(performance OR injur* OR recovery OR rehabilitation OR readiness OR "return to sport" OR "return to play" OR susceptibility OR risk) AND TITLE-ABS-KEY("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review")	Database inception to search date; review-level query; no language, free- full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
Scopus	2026-08-11	Artificial intelligence and multimodal integration	TITLE-ABS-KEY(athlete* OR sport* OR player*) AND TITLE-ABS-KEY("artificial intelligence" OR "machine learning" OR "deep learning" OR "neural network*" OR "random forest*" OR "gradient boost*" OR "support vector machine*" OR "decision tree*" OR "ensemble learning" OR "supervised learning" OR "predictive model*" OR "prediction model*" OR "multimodal model*" OR "multimodal learning" OR "data fusion" OR "feature fusion" OR "representation learning" OR "digital twin*" OR "decision support") AND TITLE-ABS-KEY(injur* OR fatigue OR recovery OR readiness OR performance OR adaptation OR rehabilitation OR "return to sport" OR "return to play" OR illness OR overtraining OR overreaching OR "training response" OR "athlete monitoring") AND TITLE-ABS-KEY("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review")	Database inception to search date; review-level query; no language, free- full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
Scopus	2026-08-11	Explicit precision sports medicine terminology	TITLE-ABS-KEY("precision sports medicine" OR "precision sport medicine" OR "personalized sports medicine" OR "personalised sports medicine" OR "precision exercise medicine" OR "precision athlete monitoring" OR "individualized athlete monitoring" OR "individualised athlete monitoring" OR "personalized training" OR "personalised training") AND TITLE-ABS-KEY("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review")	Database inception to search date; review-level query; no language, free-full-text, recent-year, adult-only or elite-only restriction.	
Web of Science	2026-08-10	Genomics and epigenomics	TS=(athlete* OR sport* OR player* OR sportspeople OR "elite athlete*" OR "competitive athlete*" OR "professional athlete*" OR "trained athlete*") AND TS=(genetic* OR genomic* OR genotype* OR polymorphism* OR variant* OR SNP OR SNPs OR "single nucleotide polymorphism*" OR GWAS OR "genome wide association*" OR "genome-wide association*" OR "polygenic score*" OR "polygenic risk score*" OR epigenetic* OR epigenomic* OR methylation OR "DNA methylation" OR "gene environment interaction*" OR "gene-environment interaction*") AND TS=("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review")	Database inception to search date; review-level query; no language, free-full-text, recent-year, adult-only or elite-only restriction.	5047

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
Web of Science	2026-08-10	Molecular omics and circulating biomarkers	TS=(athlete* OR sport* OR player* OR sportspeople OR "elite athlete*" OR "competitive athlete*" OR "professional athlete*" OR "trained athlete*") AND TS=(transcriptom* OR proteom* OR metabolom* OR lipidom* OR microbiom* OR microbiota OR microRNA* OR miRNA* OR biomarker* OR "biological marker*" OR "molecular marker*" OR cytokine* OR chemokine* OR cortisol OR testosterone OR "creatine kinase" OR lactate OR ferritin OR "C-reactive protein" OR "inflammatory marker*" OR "oxidative stress marker*" OR "muscle damage marker*" OR "tissue turnover marker*" OR "extracellular vesicle*" OR "cell- free DNA" OR "cell free DNA")) AND TS=("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review"))	Database inception to search date; review-level query; no language, free- full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
Web of Science	2026-08-10	Digital biomarkers and wearables	TS=(athlete* OR sport* OR player* OR sportspeople OR "elite athlete*" OR "competitive athlete*" OR "professional athlete*" OR "trained athlete*") AND TS=(wearable* OR "wearable sensor*" OR "wearable device*" OR "smart garment*" OR "digital biomarker*" OR "digital phenotype*" OR "physiological monitoring" OR "continuous monitoring" OR acceleromet* OR "global positioning system*" OR GPS OR GNSS OR "inertial measurement unit*" OR IMU OR "heart rate variability" OR HRV OR photoplethysmograph* OR PPG OR "skin temperature" OR "sleep tracking" OR "training load" OR "player load")) AND TS=(performance OR adaptation OR fatigue OR recovery OR readiness OR overreaching OR overtraining OR injur* OR rehabilitation OR "return to sport" OR "return to play" OR illness OR monitoring)) AND TS=("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review"))	Database inception to search date; review-level query; no language, free- full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
Web of Science	2026-08-10	Imaging, biomechanics and neuromuscular markers	TS=(athlete* OR sport* OR player* OR sportspeople OR "elite athlete*" OR "competitive athlete*" OR "professional athlete*" OR "trained athlete*") AND TS=(MRI OR "magnetic resonance imaging" OR ultrasound OR ultrasonograph* OR elastograph* OR DXA OR DEXA OR "muscle architecture" OR "tendon morphology" OR "tissue stiffness" OR biomechan* OR kinematic* OR kinetic* OR "ground reaction force*" OR "joint moment*" OR "joint load*" OR "loading rate" OR asymmetr* OR "movement pattern*" OR "landing mechanic*" OR "running mechanic*" OR "force plate*" OR neuromuscular OR electromyograph* OR EMG OR "countermovement jump" OR "rate of force development")) AND TS=(performance OR injur* OR recovery OR rehabilitation OR readiness OR "return to sport" OR "return to play" OR susceptibility OR risk)) AND TS=("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review"))	Database inception to search date; review-level query; no language, free- full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
Web of Science	2026-08-10	Artificial intelligence and multimodal integration	TS=(athlete* OR sport* OR player* OR sportspeople OR "elite athlete*" OR "competitive athlete*" OR "professional athlete*" OR "trained athlete*") AND TS=("artificial intelligence" OR "machine learning" OR "deep learning" OR "neural network*" OR "random forest*" OR "gradient boost*" OR "support vector machine*" OR "decision tree*" OR "ensemble learning" OR "supervised learning" OR "predictive model*" OR "prediction model*" OR "multimodal model*" OR "multimodal learning" OR "data fusion" OR "feature fusion" OR "representation learning" OR "digital twin*" OR "decision support") AND TS=(injur* OR fatigue OR recovery OR readiness OR performance OR adaptation OR rehabilitation OR "return to sport" OR "return to play" OR illness OR overtraining OR overreaching OR "training response" OR "athlete monitoring") AND TS=("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review")	Database inception to search date; review-level query; no language, free- full-text, recent-year, adult-only or elite-only restriction.	

Database	Search_Date	Domain	Search_Strategy	Coverage_and_Limits	Database_Unique_Records_Contributed
Web of Science	2026-08-10	Explicit precision sports medicine terminology	TS=("precision sports medicine" OR "precision sport medicine" OR "personalized sports medicine" OR "personalised sports medicine" OR "precision exercise medicine" OR "precision athlete monitoring" OR "individualized athlete monitoring" OR "individualised athlete monitoring" OR "personalized training" OR "personalised training") AND TS=("systematic review" OR "systematic literature review" OR "meta-analysis" OR "meta analysis" OR "umbrella review")	Database inception to search date; review-level query; no language, free-full-text, recent-year, adult-only or elite-only restriction.	

Supplementary Table 2. Candidate Record Disposition

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-00070	Reducing knee and anterior cruciate ligament injuries among female athletes: a systematic review of neuromuscular training interventions	2005	IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-00520; not prioritized because it did not add sufficient complementary scope.	10.1055/s-0030-1248163	15742602
MR-00072	Review of the biomechanical function of the elbow joint during tennis strokes	2005	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-00084	Anterior cruciate ligament injuries in female athletes: Part 2, a meta-analysis of neuromuscular interventions aimed at injury prevention	2006	IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-04645; not prioritized because it did not add sufficient complementary scope.	10.1177/0363546505282619	16382007
MR-00101	Prospective studies into the causation of hamstring injuries in sport: A systematic review	2006	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.ptsp.2006.02.001	NR
MR-00121	Effects of the menstrual cycle on anterior cruciate ligament injury risk - A systematic review	2007	IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-04645; not prioritized because it did not add sufficient complementary scope.	10.1177/0363546506295699	17293469
MR-00146	What are the risk factors for groin strain injury in sport? A systematic review of the literature	2007	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2165/00007256-200737100-00004	17887812
MR-00151	Effect of foot orthoses on lower extremity kinetics during running: a systematic literature review	2008	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/1757-1146-1-13	19014705
MR-00181	Adding an Electrocardiogram to the Pre-participation Examination in Competitive Athletes: A Systematic Review	2009	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.cpcardiol.2009.08.002	19887232

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-00190	Effect of foot posture, foot orthoses and footwear on lower limb muscle activity during walking and running: A systematic review	2009	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2008.08.015	18922696
MR-00243	Meta-Analysis Of The Effects Of Pre-Exercise Hypohydration On Endurance Performance, Lactate Threshold And Vo2max	2010	MOL	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	10.1249/01.mss.0000384636.37362.40	NR
MR-00245	Neuromuscular training for sports injury prevention: a systematic review	2010	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1249/mss.0b013e3181b88d37	19952811
MR-00263	A critical review of neuroimaging applications in sports concussion	2011	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1249/jsr.0b013e31820711b8	21228646
MR-00266	ACTN3 genotype, athletic status, and life course physical capability: Meta-analysis of the published literature and findings from nine studies	2011	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1002/humu.21526	21542061
MR-00298	Lower limb biomechanics during running in individuals with achilles tendinopathy: a systematic review	2011	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/1757-1146-4-15	21619710
MR-00342	A systematic review of diffusion tensor imaging findings in sports-related concussion	2012	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1089/neu.2012.2628	22950876
MR-00343	A systematic review of physical fitness, physiological demands and biomechanical performance in equestrian athletes	2012	MOL; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.3920/cep12003	NR

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-00358	Compliance with neuromuscular training and anterior cruciate ligament injury risk reduction in female athletes: A meta-analysis	2012	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.4085/1062-6050-47.6.10	23182020
MR-00371	Electromyostimulation--a systematic review of the effects of different electromyostimulation methods on selected strength parameters in trained and elite athletes	2012	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/jsc.0b013e31823f2cd1	22067247
MR-00382	Functional performance testing of the hip in athletes: a systematic review for reliability and validity	2012	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	22893860
MR-00383	Heart rate monitoring in soccer: Interest and limits during competitive match play and training, practical application	2012	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/jsc.0b013e3182429ac7	22130401
MR-00416	Prevention of sports injury I: a systematic review of applied biomechanics and physiology outcomes research	2012	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsm.2010.080929	21508076
MR-00433	The effectiveness of neuromuscular warm-up strategies, that require no additional equipment, for preventing lower limb injuries during sports participation: a systematic review	2012	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/1741-7015-10-75	22812375
MR-00440	Which screening tools can predict injury to the lower extremities in team sports?: a systematic review	2012	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/bf03262295	22909185

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-00492	Global positioning systems (GPS) and microtechnology sensors in team sports: a systematic review	2013	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-013-0069-2	23812857
MR-00518	Monitoring of daily training load and training load responses in endurance sports: What do coaches want?	2013	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-00520	Neuromuscular and biomechanical risk factors associated with ACL injury in female athletes	2013	IMG	Included in principal corpus	Selected for principal evidence corpus.	NR	NR
MR-00538	The association of sport performance with ACE and ACTN3 genetic polymorphisms: a systematic review and meta-analysis	2013	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0054685	23358679
MR-00539	The Association of Sport Performance with ACE and ACTN3 Genetic Polymorphisms: A Systematic Review and Meta-Analysis	2013	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-00541	The biomechanical differences between barefoot and shod distance running: a systematic review and preliminary meta-analysis	2013	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-013-0084-3	23996137
MR-00547	The influence of age on the effectiveness of neuromuscular training to reduce anterior cruciate ligament injury in female athletes: A meta-analysis	2013	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/0363546512460637	23048042
MR-00572	A Systematic Review of Proton Magnetic Resonance Spectroscopy Findings in Sport-Related Concussion	2014	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1089/neu.2013.3079	24047225

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MR-00573	A systematic review of the biomarker S100B: implications for sport-related concussion management	2014	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.4085/1062-6050-49.3.33	25299445
MR-00587	Biomechanical Factors In Running-related Injuries: A Systematic Review	2014	IMG	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	10.1249/01.mss.0000495929.06921.ca	NR
MR-00598	Concussions and heading in soccer: A review of the evidence of incidence, mechanisms, biomarkers and neurocognitive outcomes	2014	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3109/02699052.2013.865269	24475745
MR-00629	Imaging and clinical tests for the diagnosis of long-standing groin pain in athletes. A systematic review	2014	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.ptsp.2013.11.002	24529632
MR-00646	Method analysis of accelerometers and gyroscopes in running gait: A systematic review	2014	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/1754337113502472	NR
MR-00649	Neuromuscular electrical stimulation during recovery from exercise: a systematic review	2014	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/jsc.0000000000000426	24552796
MR-00675	Salivary cortisol levels in athletes and nonathletes: a systematic review	2014	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1055/s-0034-1387797	25230328
MR-00683	The biomechanical variables involved in the aetiology of iliotibial band syndrome in distance runners - A systematic review of the literature	2014	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.ptsp.2013.07.002	23954385

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MR-00685	The effect of physical activity or exercise on key biomarkers in atherosclerosis--a systematic review	2014	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.atherosclerosis.2014.04.026	24835434
MR-00695	The need for reference parameters of cortisol in athletes: A systematic review; [A necessidade de parâmetros referenciais de cortisol em atletas: Uma revisão sistemática]	2014	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.6063/motricidade.10(1).2610	NR
MR-00705	Understanding the Acute Skin Injury Mechanism Caused by Player-Surface Contact During Soccer: A Survey and Systematic Review	2014	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/2325967114533482	26535330
MR-00707	What is normal? Female lower limb kinematic profiles during athletic tasks used to examine anterior cruciate ligament injury risk: a systematic review	2014	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-014-0168-8	24682949
MR-00727	Assessing the effectiveness of neuromuscular training programs in reducing the incidence of anterior cruciate ligament injuries in female athletes: a systematic review	2015	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/0363546514523388	24569703
MR-00730	Biomarker changes after strenuous exercise can mimic pulmonary embolism and cardiac injury--a metaanalysis of 45 studies	2015	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1373/clinchem.2015.240796	26240298
MR-00733	Biomechanical Differences of Foot-Strike Patterns During Running: A Systematic Review With Meta-analysis	2015	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2519/jospt.2015.6019	26304644

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MR-00735	Cerebrovascular reactivity assessed by transcranial Doppler ultrasound in sport-related concussion: a systematic review	2015	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2014-093901	25452613
MR-00738	Clinician-friendly lower extremity physical performance tests in athletes: a systematic review of measurement properties and correlation with injury. Part 2--the tests for the hip, thigh, foot and ankle including the star excursion balance test	2015	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2014-094341	25614536
MR-00759	Effects of exercise therapy in adults with myopathies and diseases of the neuromuscular junction. Systematic review of literature; [Auswirkungen von Sporttherapie bei Erwachsenen mit Myopathien und Erkrankungen am neuromuskulären Übergang Systematischer Literaturreview]	2015	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-00768	Electromyography in the four competitive swimming strokes: A systematic review	2015	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jelekin.2014.12.003	25556010
MR-00777	Gait modifications to change lower extremity gait biomechanics in runners: a systematic review	2015	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2014-094393	26105016
MR-00780	Heart rate variability indexes as a marker of chronic adaptation in athletes: a systematic review	2015	DIG	Included in principal corpus	Selected for principal evidence corpus.	10.1111/anec.12237	25424360
MR-00785	Inertial Sensor Technology for Elite Swimming Performance Analysis: A Systematic Review	2015	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/s16010018	26712760
MR-00789	Isokinetic muscle strength and readiness to return to sport following anterior cruciate ligament reconstruction: Is there an association? A systematic review and a protocol recommendation	2015	IMG	Eligible but superseded	Substantial thematic overlap with newer retained review MR-05078; older synthesis did not add a distinct population, marker class or outcome.	10.1136/bjsports-2014-093962	26105017

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MR-00803	Neuromuscular training injury prevention strategies in youth sport: a systematic review and meta-analysis	2015	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2015-094639	26084526
MR-00814	Physiological Adaptations to Training in Competitive Swimming: A Systematic Review	2015	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1515/hukin-2015-0120	26839618
MR-00846	Systematic review of clinical studies examining biomarkers of brain injury in athletes after sports-related concussion	2015	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1089/neu.2014.3655	25254425
MR-00851	The association between GNB3 gene polymorphism and endurance sports: A systematic review and meta-analysis	2015	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-00871	The Use of Wearable Microsensors to Quantify Sport-Specific Movements	2015	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-015-0332-9	25834998
MR-00883	Wearable inertial sensors in swimming motion analysis: a systematic review	2015	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2014.962574	25356682
MR-00895	A Systematic Review of Submaximal Cycle Tests to Predict, Monitor, and Optimize Cycling Performance	2016	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/ijssp.2016-0174	27701968

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-00913	Application of Global Positioning System and Microsensor Technology in Competitive Rugby League Match-Play: A Systematic Review and Meta-analysis	2016	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-015-0440-6	26714810
MR-00917	Association between the insertion/deletion polymorphism of ACE gene and athlete's sport performance in endurance sports: A meta-analysis	2016	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7507/1672-2531.20160062	NR
MR-00918	Association between the insertion/deletion polymorphism of ACE gene and athletes' sport performance in power sports: A meta-analysis	2016	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7507/1672-2531.20160043	NR
MR-00966	Exercise-induced stress behavior, gut-microbiota-brain axis and diet: a systematic review for athletes	2016	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s12970-016-0155-6	27924137
MR-00988	Kinematic variables of table vault on artistic gymnastics	2016	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1590/1807-55092016000100097	NR
MR-00995	Monitoring Athletic Training Status Through Autonomic Heart Rate Regulation: A Systematic Review and Meta-Analysis	2016	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-016-0484-2	26888648
MR-00996	Monitoring the athlete training response: subjective self-reported measures trump commonly used objective measures: a systematic review	2016	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2015-094758	26423706

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MR-00997	Monitoring Workload in Throwing-Dominant Sports: A Systematic Review	2016	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-016-0529-6	27071991
MR-01044	Spatiotemporal, kinematic, force and muscle activation outcomes during gait and functional exercise in water compared to on land: A systematic review	2016	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2016.04.033	27236637
MR-01046	Sports genetics: the PPARA gene and athletes' high ability in endurance sports. A systematic review and meta-analysis	2016	GEN	Included in principal corpus	Selected for principal evidence corpus.	10.5604/20831862.1180170	26985127
MR-01075	The Influence of Head Impact Threshold for Reporting Data in Contact and Collision Sports: Systematic Review and Original Data Analysis	2016	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-015-0423-7	26545363
MR-01085	Towards a Determination of the Physiological Characteristics Distinguishing Successful Mixed Martial Arts Athletes: A Systematic Review of Combat Sport Literature	2016	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-016-0493-1	26993133
MR-01104	A meta-analysis of the association of CKM gene rs8111989 polymorphism with sport performance	2017	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/biol sport.2017.698189	29472734
MR-01110	Accelerometers for the Assessment of Concussion in Male Athletes: A Systematic Review and Meta-Analysis	2017	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-016-0582-1	27402455
MR-01113	Acute and Chronic Effects of Endurance Running on Inflammatory Markers: A Systematic Review	2017	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2017.00779	29089897

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MR-01126	Association of polymorphisms rs1800012 in COL1A1 with sports-related tendon and ligament injuries: A meta-analysis	2017	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.18632/oncotarget.15271	28206959
MR-01130	Biomechanics of fencing sport: A scoping review	2017	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1371/journal.pone.0171578	28187164
MR-01151	Does neuromuscular exercise training improve proprioception in ankle lateral ligament injury among athletes? Systematic review and meta-analysis	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.15448/1980-6108.2017.1.25082	NR
MR-01153	Dose-response relationship of Neuromuscular training for injury prevention in youth athletes: A meta-analysis	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2017.00920	29184511
MR-01160	Effect of Heart Rate Variability Biofeedback on Sport Performance, a Systematic Review	2017	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s10484-017-9364-2	28573597
MR-01161	Effect of Physical and Psychosocial Interventions on Hormone and Performance Outcomes in Professional Rugby Union Players: A Systematic Review	2017	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/jsc.0000000000002067	28658074
MR-01168	Effects of chronic ankle instability on kinetics, kinematics and muscle activity during walking and running: A systematic review	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2016.11.037	28063387
MR-01173	Effects of fatigue on kinematics and kinetics during overground running: a systematic review	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.23736/s0022-4707.16.06339-8	27074435

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MR-01179	Effects of the menstrual cycle on lower-limb biomechanics, neuromuscular control, and anterior cruciate ligament injury risk: a systematic review	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.11138/mltj/2017.7.1.136	28717621
MR-01188	Exercise and the Cortisol Awakening Response: A Systematic Review	2017	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-017-0102-3	29019089
MR-01234	Machine Learning Applications in Baseball: A Systematic Literature Review	2017	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/08839514.2018.1442991	NR
MR-01235	Magnetic Resonance Imaging Findings in the Knee Before and After Long-Distance Running-Documentation of Irreversible Structural Damage? A Systematic Review	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/0363546516656180	27519676
MR-01242	Neuromuscular Adaptations to Multimodal Injury Prevention Programs in Youth Sports: A Systematic Review with Meta-Analysis of Randomized Controlled Trials	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2017.00791	29075200
MR-01256	Physiological and Biomechanical Responses to Running on Lower Body Positive Pressure Treadmills in Healthy Populations	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-016-0581-2	27380101
MR-01259	Plasma/Serum Zinc Status During Aerobic Exercise Recovery: A Systematic Review and Meta-Analysis	2017	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-016-0567-0	27260681

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MR-01266	Predicting sport and occupational lower extremity injury risk through movement quality screening: a systematic review	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2016-096760	27935483
MR-01269	Prognostic factors for musculoskeletal injury identified through medical screening and training load monitoring in professional football (soccer): a systematic review	2017	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2017-097827.1	28490457
MR-01271	Prognostic factors for specific lower extremity and spinal musculoskeletal injuries identified through medical screening and training load monitoring in professional football (soccer): a systematic review	2017	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bmjsem-2017-000263	29177074
MR-01289	Role of advanced neuroimaging, fluid biomarkers and genetic testing in the assessment of sport-related concussion: a systematic review	2017	GEN; MOL	Eligible but superseded	Substantial thematic overlap with newer retained review MR-04499; older synthesis did not add a distinct population, marker class or outcome.	10.1136/bjsports-2016-097447	28455364
MR-01301	Steroid hormones and psychological responses to soccer matches: Insights from a systematic review and meta-analysis	2017	MOL	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-03400; not prioritized because it did not add sufficient complementary scope.	10.1371/journal.pone.0186100	29023546
MR-01308	The anticipatory stress response to sport competition; a systematic review with meta-analysis of cortisol reactivity	2017	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bmjsem-2017-000261	29177073
MR-01320	The Effects of Wearable Resistance Training on Metabolic, Kinematic and Kinetic Variables During Walking, Running, Sprint Running and Jumping: A Systematic Review	2017	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-016-0622-x	27638041
MR-01324	THE INFLUENCE OF EXTRINSIC FACTORS ON KNEE BIOMECHANICS DURING CYCLING: A SYSTEMATIC REVIEW OF THE LITERATURE	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.26603/ijst20171023	29234554

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MR-01336	The volleyball athlete's shoulder: biomechanical adaptations and injury associations	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/14763141.2016.1222629	27659068
MR-01346	Ultrasound characteristics of the mid-portion of the Achilles tendon in runners: A systematic review protocol	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13643-017-0501-z	28558847
MR-01352	What is the definition of sports-related concussion: a systematic review	2017	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2016-097393	29098981
MR-01364	A systematic review of neuroimaging findings in children and adolescents with sports-related concussion	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02699052.2018.1463106	29648462
MR-01403	Athletes With Musculoskeletal Injuries Identified at the NFL Scouting Combine and Prediction of Outcomes in the NFL: A Systematic Review	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/2325967118813083	NR
MR-01408	Biomarkers of Physiological Responses to Periods of Intensified, Non-Resistance-Based Exercise Training in Well-Trained Male Athletes: A Systematic Review and Meta-Analysis	2018	MOL; DIG	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s40279-018-0969-2	30141022
MR-01410	Biomechanical factors associated with running economy and performance of elite Kenyan distance runners: A systematic review	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jbmt.2017.11.004	29332730
MR-01411	Biomechanics of rowing: Kinematic, kinetic and electromyographic aspects	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7752/jpes.2018.01025	NR

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MR-01428	Creatine kinase, neuromuscular fatigue, and the contact codes of football: A systematic review and meta-analysis of pre- and post-match differences	2018	MOL; IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-03400; not prioritized because it did not add sufficient complementary scope.	10.1080/17461391.2018.1480661	29870313
MR-01440	Diffusion tensor imaging (DTI) findings in adult civilian, military, and sport-related mild traumatic brain injury (mTBI): a systematic critical review	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11682-017-9708-9	28337734
MR-01442	Does Platelet-Rich Plasma Lead to Earlier Return to Sport When Compared With Conservative Treatment in Acute Muscle Injuries? A Systematic Review and Meta-analysis	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.arthro.2017.06.039	28800920
MR-01474	Eye tracking technology in sports-related concussion: a systematic review and meta-analysis	2018	GEN; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1088/1361-6579/aaef44	30523971
MR-01478	Gait kinetics, kinematics, spatiotemporal and foot plantar pressure alteration in response to long-distance running: Systematic review	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.humov.2017.09.012	28947176
MR-01485	Glenohumeral Internal Rotation Deficit and Risk of Upper Extremity Injury in Overhead Athletes: A Meta-Analysis and Systematic Review	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/1941738118756577	29381423
MR-01507	IS THERE EVIDENCE FOR AN ASSOCIATION BETWEEN CHANGES IN TRAINING LOAD AND RUNNING-RELATED INJURIES? A SYSTEMATIC REVIEW	2018	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	30534459
MR-01511	Long-Term Neuroimaging Findings in American Football Players: Systematic Review	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.wneu.2018.08.079	30144599

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MR-01529	Nine genetic polymorphisms associated with power athlete status – A Meta-Analysis	2018	GEN	Included in principal corpus	Selected for principal evidence corpus.	10.1016/j.jsams.2017.06.012	28666769
MR-01543	Physiological responses during the practice of synchronized swimming: a systematic review	2018	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1111/cpf.12412	28168782
MR-01546	Postmatch recovery of physical performance and biochemical markers in team ball sports: a systematic review	2018	MOL; DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bmjsem-2017-000264	29527320
MR-01557	Reliability and validity of frontal plane kinematics of the trunk and lower extremity measured with 2-dimensional cameras during athletic tasks: A systematic review with meta-analysis	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2519/jospt.2018.8006	29895235
MR-01574	Sport-Related Concussion and Mental Health Outcomes in Elite Athletes: A Systematic Review	2018	IMG	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	10.1007/s40279-017-0810-3	29159546
MR-01577	Subconcussive head impacts in sport: A systematic review of the evidence	2018	MOL	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-01730; not prioritized because it did not add sufficient complementary scope.	10.1016/j.ijpsycho.2018.01.007	29402530
MR-01578	Sudden cardiac death in young athletes with long QT syndrome: the role of genetic testing and cardiovascular screening	2018	GEN	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1093/bmb/ldy017	29931253
MR-01588	The Association Between Training Load and Performance in Team Sports: A Systematic Review	2018	DIG; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s40279-018-0982-5	30225537
MR-01591	The associations between training load and baseline characteristics on musculoskeletal injury and pain in endurance sport populations: A systematic review	2018	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jsams.2018.03.001	29559317
MR-01592	The athlete's hematological response to hypoxia: A meta-analysis on the influence of altitude exposure on key biomarkers of erythropoiesis	2018	MOL	Included in principal corpus	Selected for principal evidence corpus.	10.1002/ajh.24941	29027252

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MR-01601	The effectiveness of proprioceptive and neuromuscular training compared to bracing in reducing the recurrence rate of ankle sprains in athletes: A systematic review and meta-analysis	2018	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3233/bmr-170804	29154263
MR-01614	The relation of psychometric scales, cortisol concentration in athletic performance in team sports: A systematic review	2018	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-01616	The Relationship Between Training Load and Injury in Athletes: A Systematic Review	2018	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-018-0951-z	29943231
MR-01617	The Relationships Between Internal and External Measures of Training Load and Intensity in Team Sports: A Meta-Analysis	2018	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-017-0830-z	29288436
MR-01621	The use of wearable devices for walking and running gait analysis outside of the lab: A systematic review	2018	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2018.04.047	29730488
MR-01624	Trends Supporting the In-Field Use of Wearable Inertial Sensors for Sport Performance Evaluation: A Systematic Review	2018	DIG; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.3390/s18030873	29543747
MR-01630	Use of Blood Biomarkers in the Assessment of Sports-Related Concussion-A Systematic Review in the Context of Their Biological Significance	2018	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1097/jsm.0000000000000478	29035978
MR-01649	A Systematic Review and Meta-Analysis of Crossover Studies Comparing Physiological, Perceptual and Performance Measures Between Treadmill and Overground Running	2019	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-019-01087-9	30847825

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MR-01653	A systematic review of performance analysis in rowing using inertial sensors	2019	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/electronics8111304	NR
MR-01665	Anthropometric and physiological characteristics of male soccer players according to their competitive level, playing position and age group: a systematic review	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.23736/s0022-4707.17.07950-6	29199782
MR-01675	Association of Elite Sports Status with Gene Variants of Peroxisome Proliferator Activated Receptors and Their Transcriptional Coactivator	2019	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijms21010162	31881714
MR-01676	Association of PPARGC1A Gly428Ser (rs8192678) polymorphism with potential for athletic ability and sports performance: A meta-analysis	2019	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0200967	30625151
MR-01677	Association of the ACTN3 R577X (rs1815739) polymorphism with elite power sports: A meta-analysis	2019	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0217390	31145768
MR-01679	Authors' Reply to Carling et al: Comment on: The Use of Microtechnology to Quantify the Peak Match Demands of the Football Codes: A Systematic Review	2019	IMG	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	10.1007/s40279-018-1028-8	30506337
MR-01684	Biomechanical alterations in individuals with Achilles tendinopathy during running and hopping: A systematic review with meta-analysis	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2019.07.121	31351358
MR-01686	Biomechanical Risk Factors Associated with Running-Related Injuries: A Systematic Review	2019	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-019-01110-z	31028658

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MR-01696	Cardiac Biomarker Release After Exercise in Healthy Children and Adolescents: A Systematic Review and Meta-Analysis	2019	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/pes.2018-0058	30269651
MR-01718	Current Approaches to the Use of Artificial Intelligence for Injury Risk Assessment and Performance Prediction in Team Sports: a Systematic Review	2019	DIG; AI	Included in principal corpus	Selected for principal evidence corpus.	10.1186/s40798-019-0202-3	31270636
MR-01721	Cycling and cardiovascular disease risk factors including body composition, blood lipids and cardiorespiratory fitness analysed as continuous variables: Part 2- systematic review with meta-analysis	2019	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2018-099778	31151938
MR-01730	Diffusion tensor imaging in athletes sustaining repetitive head impacts: A systematic review of prospective studies	2019	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1089/neu.2019.6398	31062655
MR-01750	Effect of the combination of creatine monohydrate plus hmb supplementation on sports performance, body composition, markers of muscle damage and hormone status: A systematic review	2019	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu11102528	31635165
MR-01757	Effectiveness of whey protein supplements on the serum levels of amino acid, creatinine kinase and myoglobin of athletes: a systematic review and meta-analysis	2019	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13643-019-1039-z	31151484
MR-01771	Effects of training and competition on the sleep of elite athletes: a systematic review and meta-analysis	2019	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2018-099322	30217831
MR-01780	Epigenetic changes in healthy human skeletal muscle following exercise- a systematic review	2019	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/15592294.2019.1614416	31046576

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MR-01782	EXAMINATION OF GLUTEUS MAXIMUS ELECTROMYOGRAPHIC EXCITATION ASSOCIATED WITH DYNAMIC HIP EXTENSION DURING BODY WEIGHT EXERCISE: A SYSTEMATIC REVIEW	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.26603/jjspt20190014	30746289
MR-01785	Exploring the Role of Wearable Technology in Sport Kinematics and Kinetics: A Systematic Review	2019	GEN; DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/s19071597	30987014
MR-01791	Frequency and Magnitude of Game-Related Head Impacts in Male Contact Sports Athletes: A Systematic Review and Meta-Analysis	2019	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-019-01135-4	31175636
MR-01794	Genes and Elite Marathon Running Performance: A Systematic Review	2019	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	31427879
MR-01796	Genetic polymorphism on the flexibility of elite rhythmic gymnasts: State of art; [Polimorfismo genético en la flexibilidad de gimnastas rítmicos de la élite: estado de arte]	2019	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.apunts.2018.10.001	NR
MR-01809	Imaging findings after acute sport-related concussion in American football players: A systematic review	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jocn.2018.11.022	30487055
MR-01812	Increased pitch velocity and workload are common risk factors for ulnar collateral ligament injury in baseball players: A systematic review	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/jisakos-2018-000226	NR

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MR-01814	Inertial Sensors for Performance Analysis in Combat Sports: A Systematic Review.	2019	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/sports7010028	30669590
MR-01819	Innovative use of wrist-worn wearable devices in the sports domain: A systematic review	2019	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/electronics8111257	NR
MR-01821	Integrative neuromuscular training in young athletes, injury prevention, and performance optimization: A systematic review	2019	GEN; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app9183839	NR
MR-01832	Machine and deep learning for sport-specific movement recognition: a systematic review of model development and performance	2019	DIG; IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2018.1521769	30307362
MR-01851	Monitoring the Athlete Match Response: Can External Load Variables Predict Post-match Acute and Residual Fatigue in Soccer? A Systematic Review with Meta-analysis	2019	MOL; DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-019-0219-7	31820260
MR-01853	Muscle Activity Ratios of Scapular Stabilizers During Closed Kinetic Chain Exercises in Healthy Shoulders: A Systematic Review	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/jsr.2018-0449	31860828
MR-01855	Musculoskeletal Injury Risk After Sport-Related Concussion: A Systematic Review and Meta-analysis	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/0363546518785901	30074832

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MR-01873	Physiological and time-trial performance effects of block training periodization in endurance athletes: A systematic review; [Efeitos da periodização em blocos sobre parâmetros fisiológicos e desempenho de contrarrelógio em atletas de endurance: uma revisão sistemática]; [Efectos de la periodización en bloques en los parámetros fisiológicos y el rendimiento de contrarreloj en deportistas de resistencia: una revisión sistemática]	2019	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.33155/j.ramd.2018.03.002	NR
MR-01883	Proprioceptive training methods as a tool for the prevention of injuries in football players: A systematic review	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-01892	Reliability, Validity and Utility of Inertial Sensor Systems for Postural Control Assessment in Sport Science and Medicine Applications: A Systematic Review	2019	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-019-01095-9	30903440
MR-01896	Resting State Electroencephalography and Sports-Related Concussion: A Systematic Review	2019	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1089/neu.2018.5761	30014761
MR-01905	Running Biomechanics in Individuals with Anterior Cruciate Ligament Reconstruction: A Systematic Review	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-019-01120-x	31102111
MR-01906	Scapular Kinematics in Athletes With and Without Rotator Cuff Tendinopathy: A Systematic Review	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/jsr.2019-0095	31869815

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MR-01930	The Biomechanics and Applications of Strongman Exercises: a Systematic Review	2019	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-019-0222-z	31820223
MR-01954	The potential effects of anabolic-androgenic steroids and growth hormone as commonly used sport supplements on the kidney: a systematic review	2019	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s12882-019-1384-0	31151420
MR-01956	The relationship between static and dynamic foot posture and running biomechanics: A systematic review and meta-analysis	2019	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1016/j.gaitpost.2019.05.031	31195310
MR-01962	The use of wearable sensors in human movement analysis in non-swimming aquatic activities: A systematic review	2019	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph16245067	31842306
MR-01965	Thoracic spine mobility, an essential link in upper limb kinetic chains in athletes: A systematic review	2019	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1002/tsm2.109	NR
MR-01993	A systematic review of volleyball spike kinematics: Implications for practice and research	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/1747954119899881	NR
MR-01998	Accelerometry as a method for external workload monitoring in invasion team sports. A systematic review	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0236643	32841239
MR-02000	Accuracy and reliability of local positioning systems for measuring sport movement patterns in stadium-scale: A systematic review	2020	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app10175994	NR

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MR-02017	Association between the ACE I/D polymorphism and muscle injuries in Italian and Japanese elite football players	2020	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2020.1787683	32614675
MR-02024	Biomechanical determinants of cross-country skiing performance: A systematic review	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2020.1775375	32552520
MR-02026	Biomechanical risk factors for running-related injury differ by sample population: A systematic review and meta-analysis	2020	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1016/j.clinbiomech.2020.104991	32203864
MR-02028	Biomechanics of starting, sprinting and submaximal running in athletes with brain impairment: A systematic review	2020	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1016/j.jsams.2020.05.006	32507448
MR-02033	Can Heart Rate Variability Biofeedback Improve Athletic Performance? A Systematic Review	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2478/hukin-2020-0004	32774542
MR-02037	Changes in Novel AKI Biomarkers after Exercise. A Systematic Review	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijms21165673	32784748
MR-02038	Characteristic patterns of white matter tract injury in sport-related concussion: An image based meta-analysis	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.nicl.2020.102253	32278315
MR-02049	Concussed athletes walk slower than non-concussed athletes during cognitive-motor dual-task assessments but not during single-task assessments 2 months after sports concussion: a systematic review and meta-analysis using individual participant data	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2018-100164	31331944

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MR-02054	Correction to: The Relationship Between Training Load and Injury in Athletes: A Systematic Review	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-020-01284-x	32266668
MR-02062	Current Workload Recommendations in Baseball Pitchers: A Systematic Review	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/0363546519831010	31013139
MR-02064	Data_Sheet_1_Physical and Physiological Match-Play Demands and Player Characteristics in Futsal: A Systematic Review.pdf	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-02067	Diagnostic accuracy of MRI for identifying posterior element bone stress injury in athletes with low back pain: a systematic review and narrative synthesis	2020	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1136/bmjsem-2020-000764	33088582
MR-02086	Effect of Strength Training on Biomechanical and Neuromuscular Variables in Distance Runners: A Systematic Review and Meta-Analysis	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-019-01184-9	31541409
MR-02090	Effects of Competitive Wrestling Bouts on Physiological Measures: A Systematic Review and Meta-analysis; [Auswirkungen von kompetitiven Ringkämpfen auf physiologische Maßnahmen: Eine systematische Überprüfung und Metaanalyse]	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.orthtr.2020.01.005	NR
MR-02099	Effects of plyometric jump training in female soccer player's vertical jump height: A systematic review with meta-analysis	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2020.1745503	32255389
MR-02104	Effects of Small-Sided Soccer Games on Physical Fitness, Physiological Responses, and Health Indices in Untrained Individuals and Clinical Populations: A Systematic Review	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-019-01256-w	31989457

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MR-02134	Fundamental Movement Skills and Accelerometer-Measured Physical Activity Levels during Early Childhood: A Systematic Review	2020	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/children7110224	33187252
MR-02135	Genetic influence on football performance: A systematic review	2020	GEN	Included in principal corpus	Selected for principal evidence corpus.	10.5114/hm.2020.94198	NR
MR-02139	Genome-Wide Association Study Reveals a Novel Association Between MYBPC3 Gene Polymorphism, Endurance Athlete Status, Aerobic Capacity and Steroid Metabolism	2020	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fgene.2020.00595	32612638
MR-02141	Global Positioning System-Derived Workload Metrics and Injury Risk in Team-Based Field Sports: A Systematic Review	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.4085/1062-6050-473-19	32818957
MR-02144	Head Impact Sensor Studies In Sports: A Systematic Review Of Exposure Confirmation Methods	2020	GEN; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s10439-020-02642-6	33051746
MR-02153	HRV-Based Training for Improving VO(2max) in Endurance Athletes. A Systematic Review with Meta-Analysis	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph17217999	33143175
MR-02162	Impact of Pre-exercise Hypohydration on Aerobic Exercise Performance, Peak Oxygen Consumption and Oxygen Consumption at Lactate Threshold: A Systematic Review with Meta-analysis	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-019-01223-5	31728846
MR-02163	Impact of ultra-marathon and marathon on biomarkers of myocyte necrosis and cardiac congestion: a prospective observational study	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s00392-020-01634-9	32270346
MR-02179	Internal training load monitoring in professional football: a systematic review of methods using rating of perceived exertion	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.23736/s0022-4707.19.10000-x	31663318

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-02187	Is the Acute: Chronic Workload Ratio (ACWR) Associated with Risk of Time-Loss Injury in Professional Team Sports? A Systematic Review of Methodology, Variables and Injury Risk in Practical Situations	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-020-01308-6	32572824
MR-02190	Is there an association between external workload and lower-back injuries in cricket fast bowlers? A systematic review	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.ptsp.2019.11.007	31778915
MR-02195	Knee Kinematics During Landing: Is It Really a Predictor of Acute Noncontact Knee Injuries in Athletes? A Systematic Review and Meta-analysis	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/2325967120966952	33344669
MR-02219	Methods to collect and interpret external training load using microtechnology incorporating GPS in professional football: a systematic review	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/15438627.2019.1686703	31755307
MR-02232	NEUROMUSCULAR FITNESS IN EARLY LIFE AND ITS IMPACT ON BONE HEALTH IN ADULTHOOD: A SYSTEMATIC REVIEW	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1590/1984-0462/2020/38/2019119	32159647
MR-02233	Neuromuscular training for the prevention of ankle sprains in female athletes: a systematic review	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/00913847.2020.1732246	32067546
MR-02255	Physical and Physiological Match-Play Demands and Player Characteristics in Futsal: A Systematic Review	2020	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fpsyg.2020.569897	33240157
MR-02262	Prediction models for musculoskeletal injuries in professional sporting activities: A systematic review	2020	AI	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-03495; not prioritized because it did not add sufficient complementary scope.	10.1002/tsm2.181	NR

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-02265	Probiotic consumption and inflammatory markers in athletes: a systematic review and meta-analysis	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/10942912.2020.1807566	NR
MR-02279	Recent Progress in Wearable Biosensors: From Healthcare Monitoring to Sports Analytics	2020	GEN; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/bios10120205	33333888
MR-02281	Redox Homeostasis and Inflammation Responses to Training in Adolescent Athletes: a Systematic Review and Meta-analysis	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-020-00262-x	32748060
MR-02298	Role of the kinetic chain in shoulder rehabilitation: does incorporating the trunk and lower limb into shoulder exercise regimes influence shoulder muscle recruitment patterns? Systematic review of electromyography studies	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bmjsem-2019-000683	32405430
MR-02307	Single-Item Self-Report Measures of Team-Sport Athlete Wellbeing and Their Relationship With Training Load: A Systematic Review	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.4085/1062-6050-0528.19	32991706
MR-02309	Sport-Related Concussion in Female Athletes: A Systematic Review	2020	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/2325967120932306	32728590
MR-02326	The Association Between the Acute:Chronic Workload Ratio and Injury and its Application in Team Sports: A Systematic Review	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-019-01218-2	31691167

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MR-02327	The Association of Aquaporin-1 Gene with Marathon Running Performance Level: a Confirmatory Study Conducted in Male Hispanic Marathon Runners	2020	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-020-00243-0	32198675
MR-02328	The association of HFE gene H63D polymorphism with endurance athlete status and aerobic capacity: novel findings and a meta-analysis	2020	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s00421-020-04306-8	31970519
MR-02332	The comparative methylome and transcriptome after change of direction compared to straight line running exercise in human skeletal muscle	2020	GEN; MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-02339	The effect of New Zealand blackcurrant on sport performance and related biomarkers: a systematic review and meta-analysis	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s12970-020-00354-9	32460873
MR-02346	The effects of cryotherapy on athletes' muscle strength, flexibility, and neuromuscular control: A systematic review of the literature	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jbmt.2019.11.001	32507142
MR-02348	The effects of lower limb wearable resistance on sprint running performance: A systematic review	2020	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/17461391.2019.1629631	31177935
MR-02360	The Relationship Between Acute: Chronic Workload Ratios and Injury Risk in Sports: A Systematic Review	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2147/oajsm.s231405	32158285
MR-02361	The relationship between fluid biomarkers and clinical outcomes in sports-related concussions: a systematic review	2020	MOL	Included in principal corpus	Selected for principal evidence corpus.	10.1080/02699052.2020.1802780	32962430

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-02367	The Role of Selenium Mineral Trace Element in Exercise: Antioxidant Defense System, Muscle Performance, Hormone Response, and Athletic Performance. A Systematic Review	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu12061790	32560188
MR-02369	The Use of Acute Exercise Interventions as Game Day Priming Strategies to Improve Physical Performance and Athlete Readiness in Team-Sport Athletes: A Systematic Review	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-020-01329-1	32779102
MR-02370	The use of GPS and inertial devices for player monitoring in team sports: A review of current and future applications	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.4081/or.2020.7863	NR
MR-02377	Time-Motion Analysis and Physiological Responses to Taekwondo Combat in Juvenile and Adult Athletes: A Systematic Review	2020	MOL	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1519/ssc.0000000000000517	NR
MR-02378	Time to embrace the complexity when analysing GPS data? A systematic review of contextual factors on match running in rugby league	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2020.1745446	32295471
MR-02386	Training load and match-play demands in basketball based on competition level: A systematic review	2020	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0229212	32134965
MR-02394	Use of wearable systems for the detection of chest-abdominal wall movement aimed at respiratory monitoring in sport: A scoping review on available data	2020	DIG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	NR	33386038
MR-02397	Variations in strength-related measures during the menstrual cycle in eumenorrheic women: A systematic review and meta-analysis	2020	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jsams.2020.04.022	32456980

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MR-02403	What are the Benefits and Risks Associated with Changing Foot Strike Pattern During Running? A Systematic Review and Meta-analysis of Injury, Running Economy, and Biomechanics	2020	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-019-01238-y	31823338
MR-02407	Workload a-wear-ness: Monitoring workload in team sports with wearable technology. A scoping review	2020	DIG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.2519/jospt.2020.9753	32998615
MR-02412	3D Biomechanics of Rugby Tackle Techniques to Inform Future Rugby Research Practice: a Systematic Review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-021-00322-w	34097146
MR-02426	A Systematic Review and Meta-Analysis: Biomechanical Evaluation of the Effectiveness of Strength and Conditioning Training Programs on Front Crawl Swimming Performance	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.52082/jssm.2021.564	35321128
MR-02433	A systematic review of the effects of football playing on changes in serum brain-derived neurotrophic factor level	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app112411828	NR
MR-02434	A systematic review on effects of green exercise on heart rate variability and blood pressure	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.13213/j.cnki.jeom.2021.20519	NR
MR-02436	A systematic review on methodological variation in acute:chronic workload research in elite male football players	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/24733938.2020.1765007	35073237
MR-02463	Are genome-wide association study identified single-nucleotide polymorphisms associated with sprint athletic status? A replication study with 3 different cohorts	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/ijssp.2019-1032	33059329

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-02474	Association between physical activity and changes in intestinal microbiota composition: A systematic review	2021	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0247039	33630874
MR-02482	Baseball pitching biomechanics in relation to pain, injury, and surgery: A systematic review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jsams.2020.06.015	32636133
MR-02490	Biomechanical Response of the Lower Extremity to Running-Induced Acute Fatigue: A Systematic Review	2021	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2021.646042	34512370
MR-02492	Blood Flow Restriction Training for Athletes: A Systematic Review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/0363546520964454	33196300
MR-02500	Can Physical Activity Influence Human Gut Microbiota Composition Independently of Diet? A Systematic Review	2021	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu13061890	34072834
MR-02526	Comparison of Biomechanical Factors Before and After UCL Surgery in Baseball Athletes: A Systematic Review With Meta-analysis	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/2325967120988736	33796587
MR-02534	Correction to: The effect of New Zealand blackcurrant on sport performance and related biomarkers: a systematic review and meta-analysis	2021	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s12970-020-00398-x	33430883

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-02540	CSF and Blood Neurofilament Levels in Athletes Participating in Physical Contact Sports: A Systematic Review	2021	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1212/wnl.0000000000011750	33637627
MR-02545	Data_Sheet_1_Biomechanical Response of the Lower Extremity to Running-Induced Acute Fatigue: A Systematic Review.xlsx	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-02560	Data_Sheet_2_Biomechanical Response of the Lower Extremity to Running-Induced Acute Fatigue: A Systematic Review.xlsx	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-02564	Data_Sheet_3_Biomechanical Response of the Lower Extremity to Running-Induced Acute Fatigue: A Systematic Review.docx	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-02582	Differences in walking and running gait in children with and without developmental coordination disorder: A systematic review and meta-analysis	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2020.10.013	33160227
MR-02583	Diffusion MRI as a complementary assessment to cognition, emotion, and motor dysfunction after sports-related concussion: a systematic review and critical appraisal of the literature	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11682-020-00336-0	32720180
MR-02584	Diffusion Tensor Imaging in Sport-Related Concussion: A Systematic Review Using an a priori Quality Rating System	2021	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1089/neu.2021.0154	34309410

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-02592	Does Flavonoid Consumption Improve Exercise Performance? Is It Related to Changes in the Immune System and Inflammatory Biomarkers? A Systematic Review of Clinical Studies since 2005	2021	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu13041132	33808153
MR-02596	Does Site Matter? Impact of Inertial Measurement Unit Placement on the Validity and Reliability of Stride Variables During Running: A Systematic Review and Meta-analysis	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-021-01443-8	33761128
MR-02619	Effect of remote ischemic pre-conditioning on maximum oxygen consumption and maximum power in runners and cyclists: Systematic review and metanalysis; [Efeito do pré-condicionamento isquêmico remoto no consumo máximo de oxigênio e potência máxima em corredores e ciclistas: Revisão sistemática e metanálise]	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.17267/2238-2704rpf.v11i3.3859	NR
MR-02621	Effect of Running Exercise on Oxidative Stress Biomarkers: A Systematic Review	2021	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2020.610112	33551836
MR-02622	Effect of shoe drop on running and walking biomechanics: a systematic review; [Efeito da queda do calçado na biomecânica em corrida e passeio: uma revisão sistemática]; [Efecto del drop del calzado en la biomecánica de carrera y marcha: una revisión sistemática]	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.33155/j.ramd.2021.11.003	NR
MR-02629	Effectiveness of Self-Monitoring Approach Using Fitness Trackers to Improve Walking Ability in Rehabilitation Settings: A Systematic Review	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fresc.2021.752727	36188816
MR-02637	Effects of Foot Strike Techniques on Running Biomechanics: A Systematic Review and Meta-analysis	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/1941738120934715	32813597

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-02639	Effects of Genetic Variation on Endurance Performance, Muscle Strength, and Injury Susceptibility in Sports: A Systematic Review	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2021.694411	34366884
MR-02643	Effects of Mind-Body Exercise on Brain Structure and Function: A Systematic Review on MRI Studies	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/brainsci11020205	33562412
MR-02654	Effects of tapering on neuromuscular and metabolic fitness in team sports: a systematic review and meta-analysis	2021	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/17461391.2020.1736183	32172680
MR-02662	Effects of Warm-Up on Sprint Swimming Performance, Rating of Perceived Exertion, and Blood Lactate Concentration: A Systematic Review	2021	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/jfmk6040085	34698232
MR-02673	Erratum: Association of PPARGC1A Gly482Ser (rs8192678) polymorphism with potential for athletic ability and sports performance: A metaanalysis (PLoS ONE (2019) 14:1 (e0200967) DOI: 10.1371/journal.pone.0200967)	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0251672	33956903
MR-02697	Factors Contributing to Diurnal Variation in Athletic Performance and Methods to Reduce Within-Day Performance Variation: A Systematic Review	2021	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/jsc.0000000000003758	32868676
MR-02711	Genetic association research in football: A systematic review	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/17461391.2020.1776401	32466725
MR-02712	Genetic basis of elite combat sports athletes: a systematic review	2021	GEN	Included in principal corpus	Selected for principal evidence corpus.	10.5114/biolSport.2022.102864	34937977

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-02713	Genetic variations associated with non-contact muscle injuries in sport: A systematic review	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1111/sms.14020	34270833
MR-02721	Heading in Football: Incidence, Biomechanical Characteristics and the Association with Acute Cognitive Function-A Three-Part Systematic Review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-021-01492-z	34129222
MR-02723	Heart rate-based indices to detect parasympathetic hyperactivity in functionally overreached athletes. A meta-analysis	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1111/sms.13932	33533045
MR-02726	Hematology, Hormones, Inflammation, and Muscle Damage in Elite and Professional Soccer Players: A Systematic Review with Implications for Exercise	2021	MOL; DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-021-01522-w	34347283
MR-02732	How does hormone transition in transgender women change body composition, muscle strength and haemoglobin? Systematic review with a focus on the implications for sport participation	2021	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2020-103106	33648944
MR-02744	Influence of low energy availability and negative energy balance on exerciseinduced inflammation and sexual hormones changes of athletes: A systematic review; [Influencia de la baja disponibilidad energética y del balance energético negativo sobre la inflamación inducida por el ejercicio y cambios de hormonas sexuales de atletas: Una revisión sistemática]	2021	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.14306/renhyd.25.s1.1175	NR
MR-02771	Kinetics, Moderators and Reference Limits of Exercise-Induced Elevation of Cardiac Troponin T in Athletes: A Systematic Review and Meta-Analysis	2021	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2021.651851	33841187

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-02778	Machine learning methods in sport injury prediction and prevention: a systematic review	2021	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40634-021-00346-x	33855647
MR-02784	Meta-Analysis of association between single nucleotide polymorphisms with sports injuries in soccer	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.18273/revmed.v34n3-2021001	NR
MR-02787	Metaanalysis of mstnrs1805086 gene polymorphism association with strength indicators of athletes	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.12731/2658-6649-2021-13-2-303-335	NR
MR-02789	Methodological Characteristics, Physiological and Physical Effects, and Future Directions for Combined Training in Soccer: A Systematic Review	2021	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/healthcare9081075	34442212
MR-02793	Monitoring Accumulated Training and Match Load in Football: A Systematic Review	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph18083906	33917802
MR-02796	Motion analysis for ACL injuries prevention in sport: A systematic review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.23736/s2784-8469.21.04131-6	NR
MR-02809	Neuromuscular Training and Motor Control in Youth Athletes: A Meta-Analysis	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/00315125211029006	34293993

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MR-02820	One Size Doesn't Fit All: Supervised Machine Learning Classification in Athlete-Monitoring	2021	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1109/lsens.2021.3060376	NR
MR-02821	Optimal activation ratio of the scapular muscles in closed kinetic chain shoulder exercises: A systematic review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3233/bmr-191771	32831190
MR-02831	Part I: Relationship among Training Load Management, Salivary Immunoglobulin A, and Upper Respiratory Tract Infection in Team Sport: A Systematic Review	2021	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/healthcare9040366	33805186
MR-02836	Physical Activity and Investigation With Magnetic Resonance Imaging Partly Explain Variability in the Prevalence of Patellar Tendon Abnormalities: A Systematic Review With Meta-analysis of Imaging Studies in Asymptomatic Individuals	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2519/jospt.2021.10054	33779217
MR-02841	Physiological Indicators of Trail Running Performance: A Systematic Review	2021	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/ijssp.2020-0812	33508776
MR-02842	Physiology, biomechanics and injuries in table tennis: A systematic review; [Physiologie, biomécanique et blessures au tennis de table : une revue systématique]	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.scispo.2020.04.007	NR
MR-02867	Reference Values for External and Internal Training Intensity Monitoring in Young Male Soccer Players: A Systematic Review	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/healthcare9111567	34828613

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MR-02870	Relationship between training load management and immunoglobulin a to avoid immunosuppression after soccer training and competition: A theoretical framework based on covid-19 for athletes' healthcare	2021	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/healthcare9070856	34356234
MR-02872	Relationships between Sleep, Athletic and Match Performance, Training Load, and Injuries: A Systematic Review of Soccer Players	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/healthcare9070808	34206948
MR-02873	Relationships of physical activity and sedentary behaviour with the previous and subsequent nights' sleep in children and youth: A systematic review and meta-analysis	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1111/jsr.13378	34235808
MR-02888	Review of head impact sensor on biomechanics journal of football heading	2021	IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-02144; not prioritized because it did not add sufficient complementary scope.	NR	NR
MR-02939	Table_1_Effects of Genetic Variation on Endurance Performance, Muscle Strength, and Injury Susceptibility in Sports: A Systematic Review.DOCX	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-02970	The Association Between Training Load and Injury Risk in Elite Youth Soccer Players: a Systematic Review and Best Evidence Synthesis	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-020-00296-1	33428001
MR-02972	The association of the ACTN3 R577X and ACE I/D polymorphisms with athlete status in football: a systematic review and meta-analysis	2021	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2020.1812195	32856541
MR-02976	The Comparative Methylome and Transcriptome After Change of Direction Compared to Straight Line Running Exercise in Human Skeletal Muscle	2021	GEN; MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2021.619447	33679435

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MR-02997	The Effectiveness of Neuromuscular Warmups for Lower Extremity Injury Prevention in Basketball: A Systematic Review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-021-00355-1	34529179
MR-03003	The Effects of Menstrual Cycle Phase on Elite Athlete Performance: A Critical and Systematic Review	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2021.654585	NR
MR-03021	The MCT1 gene Glu490Asp polymorphism (rs1049434) is associated with endurance athlete status, lower blood lactate accumulation and higher maximum oxygen uptake	2021	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/biol sport.2021.101638	34475628
MR-03024	The Neuromuscular Effects of the Copenhagen Adductor Exercise: A Systematic Review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.26603/001c.27975	34631242
MR-03032	The relationship between rowing-related low back pain and rowing biomechanics: a systematic review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2020-102533	33397675
MR-03033	The relationship between training load and pain, injury and illness in competitive swimming: A systematic review	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.ptsp.2021.01.002	33486408
MR-03034	The role of diffusion tensor imaging in characterizing injury patterns on athletes with concussion and subconcussive injury: a systematic review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02699052.2021.1895313	33843389

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MR-03037	The Role of Veracity on the Load Monitoring of Professional Soccer Players: A Systematic Review in the Face of the Big Data Era	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app11146479	NR
MR-03042	The Use of Global Positioning and Accelerometer Systems in Age-Grade and Senior Rugby Union: A Systematic Review	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-021-00305-x	33616786
MR-03043	The use of heart rate variability analysis in monitoring sport injuries and its influence on the autonomic balance: a systematic review	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-03044	The use of inertial measurement units for analyzing change of direction movement in sports: A scoping review	2021	DIG; IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1177/17479541211003064	NR
MR-03047	The Validity and Reliability of Wearable Microtechnology for Intermittent Team Sports: A Systematic Review	2021	DIG; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s40279-020-01399-1	33368031
MR-03048	The Validity of Urine Color as a Hydration Biomarker within the General Adult Population and Athletes: A Systematic Review	2021	MOL	Included in principal corpus	Selected for principal evidence corpus.	10.1080/07315724.2020.1750073	32330109
MR-03049	The Victorian Institute of Sport Assessment Scale for Patellar Tendinopathy (VISA-P): A Reliability Generalization Meta-analysis	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1097/jsm.0000000000000810	32044845
MR-03052	Time of day effects of aerobic exercises on athletes' cardiorespiratory and hematological quantities: systematic review and meta-analysis	2021	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/09291016.2019.1629089	NR
MR-03064	Upper body activity classification using an inertial measurement unit in court and field-based sports: A systematic review	2021	GEN; DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/1754337120959754	NR

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MR-03067	Utilisation of far infrared-emitting garments for optimising performance and recovery in sport: Real potential or new fad? A systematic review	2021	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0251282	33956901
MR-03072	Wearable Sensors in Sports for Persons with Disability: A Systematic Review	2021	DIG; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.3390/s21051858	33799941
MR-03074	Wearables and Internet of Things (IoT) Technologies for Fitness Assessment: A Systematic Review	2021	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/s21165418	34450860
MR-03077	Which assessments are used to analyze neuromuscular control by electromyography after an anterior cruciate ligament injury to determine readiness to return to sports? A systematic review	2021	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-021-00370-5	34749813
MR-03078	Young Swimmers' Anthropometrics, Biomechanics, Energetics, and Efficiency as Underlying Performance Factors: A Systematic Narrative Review	2021	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3389/fphys.2021.691919	34603070
MR-03083	A comparison of the associations between bone health and three different intensities of accelerometer-derived habitual physical activity in children and adolescents: a systematic review	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s00198-021-06218-5	35089364
MR-03098	A Systematic Review of Head Impacts and Acceleration Associated with Soccer	2022	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph19095488	35564889
MR-03099	A systematic review of proxy-report questionnaires assessing physical activity, sedentary behavior and/or sleep in young children (aged 0-5 years)	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s12966-022-01251-x	35164783

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MR-03100	A Systematic Review of the Influence of Bovine Colostrum Supplementation on Leaky Gut Syndrome in Athletes: Diagnostic Biomarkers and Future Directions	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu14122512	35745242
MR-03101	A Systematic Review of the Relationship between Workload and Injury Risk of Professional Male Soccer Players	2022	DIG; AI	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-05579; not prioritized because it did not add sufficient complementary scope.	10.3390/ijerph192013237	36293817
MR-03102	A Systematic Review on the Biomechanics of Breakfall Technique (Ukemi) in Relation to Injury in Judo within the Adult Judoka Population	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph19074259	35409940
MR-03106	Accelerometer-Based Identification of Fatigue in the Lower Limbs during Cyclical Physical Exercise: A Systematic Review	2022	DIG; IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/s22083008	35458993
MR-03115	Acute Effects of Caffeine Supplementation on Physical Performance, Physiological Responses, Perceived Exertion, and Technical-Tactical Skills in Combat Sports: A Systematic Review and Meta-Analysis	2022	MOL; DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu14142996	35889953
MR-03119	Acute effects of overspeed stimuli with towing system on athletic sprint performance: A systematic review with meta-analysis	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2021.2015165	34991419
MR-03133	Ameta-analysis on the association of ACE and PPARA gene variants and endurance athletic status	2022	GEN	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-01046; not prioritized because it did not add sufficient complementary scope.	10.23736/s0022-4707.21.12417-x	34028240
MR-03135	Analysis of clinical effectiveness and value based on ultrasound in the diagnosis of endometriosis in female athletes	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.15366/rimcafd2022.88.1.019	NR

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MR-03138	Analysis of the potential of the Elevation Training Mask on biomarkers, respiratory parameters, and sports performance indicators: What ergogenic mechanisms are involved? Systematic review	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.18176/archmeddeporte.00069	NR
MR-03156	Association of Myostatin Gene Polymorphisms with Strength and Muscle Mass in Athletes: A Systematic Review and Meta-Analysis of the MSTN rs1805086 Mutation	2022	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/genes13112055	36360291
MR-03159	ASYMMETRIES OF ISOKINETIC STRENGTH AND FLEXIBILITY IN YOUNG SOCCER PLAYERS: A SYSTEMATIC REVIEW	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/hm.2022.108317	NR
MR-03168	Behavior profile of cytokines submitted to combat sports. A systematic review; [Comportement des cytokines lors des sports de combat : revue systématique]	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.scispo.2021.04.005	NR
MR-03174	Biological Significance of Serum Biomarkers in Sports- Related Concussion Injury-A Systematic Review	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5137/1019-5149.jtn.35745-21.3	35929029
MR-03178	Biomechanical and Musculoskeletal Measurements as Risk Factors for Running-Related Injury in Non-elite Runners: A Systematic Review and Meta-analysis of Prospective Studies	2022	IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-02026; not prioritized because it did not add sufficient complementary scope.	10.1186/s40798-022-00416-z	35254562
MR-03179	Biomechanical and physiological implications to running after cycling and strategies to improve cycling to running transition: A systematic review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jsams.2022.07.006	35871903
MR-03180	Biomechanical factors affecting individuals with lower limb amputations running using running-specific prostheses: A systematic review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2021.10.044	34837772

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MR-03201	Changes in salivary markers during basketball long-term and short-term training periods: a systematic review	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/biol sport.2022.107018	35959340
MR-03202	Chronic ankle instability modifies proximal lower extremity biomechanics during sports maneuvers that may increase the risk of ACL injury: A systematic review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2022.1036267	36330209
MR-03203	CKMM gene NcoI polymorphism and sport performance in elite athletes: A meta-analysis from 15 studies; [Polymorphisme NcoI du gène CKMM et performances sportives de haut niveau : méta-analyse de 15 études]	2022	GEN; MOL	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-01046; not prioritized because it did not add sufficient complementary scope.	10.1016/j.scispo.2021.04.004	NR
MR-03219	Comparison of the validity and reliability of local positioning systems against other tracking technologies in team sport: A systematic review	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/1754337120988236	NR
MR-03230	Correction to: The effects of lower limb wearable resistance on sprint running performance: A systematic review (European Journal of Sport Science, (2020), 20, 3, (394-406), 10.1080/17461391.2019.1629631)	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/17461391.2021.1901050	33683173
MR-03298	Does Magnetic Resonance Imaging Grading Correlate With Return to Sports After Bone Stress Injuries? A Systematic Review and Meta-analysis	2022	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1177/0363546521993807	33720786
MR-03313	Effect of Intensity and Duration of Exercise on Gut Microbiota in Humans: A Systematic Review	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph19159518	35954878
MR-03320	Effect of shoe modifications on biomechanical changes in basketball: A systematic review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/14763141.2019.1656770	31578122

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MR-03346	Effects of neuromuscular training on athletes physical fitness in sports: A systematic review	2022	GEN; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2022.939042	36213248
MR-03353	Effects of Probiotic Supplementation on Immune and Inflammatory Markers in Athletes: A Meta-Analysis of Randomized Clinical Trials	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/medicina58091188	36143865
MR-03355	Effects of school-based neuromuscular training on fundamental movement skills and physical fitness in children: a systematic review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7717/peerj.13726	35833011
MR-03357	Effects of Tribulus terrestris L. on Sport and Health Biomarkers in Physically Active Adult Males: A Systematic Review	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph19159533	35954909
MR-03365	Effects on Respiratory Pressures, Spirometry Biomarkers, and Sports Performance after Inspiratory Muscle Training in a Physically Active Population by Powerbreath®: A Systematic Review and Meta-Analysis	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/biology12010056	36671748
MR-03370	Electromyographic analysis of the serratus anterior and upper trapezius in closed kinetic chain exercises performed on different unstable support surfaces: a systematic review and meta-analysis	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7717/peerj.13589	35791364
MR-03377	Ergogenic potential of foods for performance and recovery: a new alternative in sports supplementation? A systematic review	2022	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/10408398.2020.1844137	33226268

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MR-03393	External and Internal Load Variables Encountered During Training and Games in Female Basketball Players According to Playing Level and Playing Position: A Systematic Review	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-022-00498-9	35984581
MR-03395	External load in male professional volleyball: A systematic review	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.29359/bjhpa.14.2.07	NR
MR-03400	Fatigue and Recovery Time Course After Female Soccer Matches: A Systematic Review And Meta-analysis	2022	MOL; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1186/s40798-022-00466-3	35657571
MR-03413	Genetics of long-distance runners and road cyclists-A systematic review with meta-analysis	2022	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1111/sms.14212	35839336
MR-03428	Head Impact Research Using Inertial Sensors in Sport: A Systematic Review of Methods, Demographics, and Factors Contributing to Exposure	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-021-01574-y	34677820
MR-03432	Heart rate profile and heart rate variability in volleyball athletes: a systematic review with meta-analyses	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1590/s1980-65742021021620	NR
MR-03439	How Anthropometrics of Young and Adolescent Swimmers Influence Stroking Parameters and Performance? A Systematic Review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph19052543	35270236
MR-03441	How Sleep Affects Recovery and Performance in Basketball: A Systematic Review	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/brainsci12111570	NR

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MR-03478	Integrative neuromuscular training for injury prevention of lower extremity in athletes: a meta-analysis	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.12307/2022.606	NR
MR-03480	Internal load in male professional volleyball: a systematic review	2022	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.23736/s0022-4707.22.12885-9	35179325
MR-03481	Internal Training Load Perceived by Athletes and Planned by Coaches: A Systematic Review and Meta-Analysis	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-022-00420-3	35244801
MR-03485	Is COL1A1 Gene rs1107946 Polymorphism Associated with Sport Climbing Status and Flexibility?	2022	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/genes13030403	35327955
MR-03486	Is Electrical Stimulation Effective in Preventing or Treating Delayed-onset Muscle Soreness (DOMS) in Athletes and Untrained Adults? A Systematic Review With Meta-Analysis	2022	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jpain.2022.05.004	35964921
MR-03487	Is Muscle Architecture Different in Athletes with a Previous Hamstring Strain? A Systematic Review and Meta-Analysis	2022	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.3390/jfmk7010016	35225902
MR-03495	Just How Confident Can We Be in Predicting Sports Injuries? A Systematic Review of the Methodological Conduct and Performance of Existing Musculoskeletal Injury Prediction Models in Sport	2022	AI	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s40279-022-01698-9	35689749
MR-03502	Lower Limb Biomechanics during the Topspin Forehand in Table Tennis: A Systemic Review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/bioengineering9080336	35892748

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MR-03503	Lower-Limb Connective Tissue Morphologic Characteristics in Runners. How Do They Relate with Running Biomechanics and Tendon Pathology? A Systematic Review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.32098/mltj.03.2022.09	NR
MR-03504	Lower Limbs Wearable Sports Garments for Muscle Recovery: An Umbrella Review	2022	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/healthcare10081552	36011209
MR-03529	Metabolomics in Exercise and Sports: A Systematic Review	2022	MOL	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s40279-021-01582-y	34716906
MR-03530	Methodological characteristics, physiological and physical effects, and future directions for velocity-based training in soccer: A systematic review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.29359/bjhpa.14.3.01	NR
MR-03541	Monitoring of internal and external loads to interpret acute and chronic fatigue in indoor team sports: A systematic review	2022	MOL; DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541221096396	NR
MR-03544	Multidisciplinary Neuromuscular and Endurance Interventions on Youth Basketball Players: A Systematic Review with Meta-Analysis and Meta-Regression	2022	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph19159642	35954997
MR-03583	Physical activity following sport-related concussion in adolescents: a systematic review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1152/jappphysiol.00691.2021	35323056
MR-03585	Physical activity induced alterations of gut microbiota in humans: a systematic review	2022	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-022-00513-2	35799284

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MR-03586	Physical Activity on Telomere Length as a Biomarker for Aging: A Systematic Review	2022	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-022-00503-1	36057868
MR-03590	Physiological Benefits and Performance of Sea Water Ingestion for Athletes in Endurance Events: A Systematic Review	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu14214609	36364871
MR-03595	Polymorphisms of ACTN3 and ACE and their relation with athletic performance in individual sports: A systematic review	2022	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.22201/fesz.23958723e.2022.480	NR
MR-03620	Recent Machine Learning Progress in Lower Limb Running Biomechanics With Wearable Technology: A Systematic Review	2022	DIG	Included in principal corpus	Selected for principal evidence corpus.	10.3389/fnbot.2022.913052	35721274
MR-03626	Reference values for external and internal training intensity monitoring in professional male soccer players: A systematic review	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541211072966	NR
MR-03637	Reliability and validity of 2-dimensional video analysis for a running task: A systematic review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.ptsp.2022.08.001	36087406
MR-03663	Rowing Biomechanics, Physiology and Hydrodynamic: A Systematic Review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1055/a-1231-5268	32842154
MR-03665	Running-Related Biomechanical Risk Factors for Overuse Injuries in Distance Runners: A Systematic Review Considering Injury Specificity and the Potentials for Future Research	2022	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-022-01666-3	35247202

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MR-03681	Sex-specific differences in biomechanics among runners: A systematic review with meta-analysis	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2022.994076	36213228
MR-03683	Short-Term Neurologic Manifestations of Repetitive Head Impacts among Athletes: A Scoping Review	2022	DIG; IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1097/htr.0000000000000767	35293363
MR-03705	Stroke Kinematics, Temporal Patterns, Neuromuscular Activity, Pacing and Kinetics in Elite Breaststroke Swimming: A Systematic Review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-022-00467-2	35674850
MR-03713	Swimming and the human microbiome at the intersection of sports, clinical, and environmental sciences: A scoping review of the literature	2022	MOL	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3389/fmicb.2022.984867	NR
MR-03716	Systematic Review of Complementary and Alternative Veterinary Medicine in Sport and Companion Animals: Therapeutic Ultrasound	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ani12223144	36428372
MR-03717	Systematic Review of Pre-injury Migraines as a Vulnerability Factor for Worse Outcome Following Sport-Related Concussion	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fneur.2022.915357	NR
MR-03742	Table_1_Training in women soccer players: A systematic review on training load monitoring.docx	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-03756	Table_2_Training in women soccer players: A systematic review on training load monitoring.docx	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR

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MR-03774	Table1_Chronic ankle instability modifies proximal lower extremity biomechanics during sports maneuvers that may increase the risk of ACL injury: A systematic review.DOC	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-03779	Table2_Chronic ankle instability modifies proximal lower extremity biomechanics during sports maneuvers that may increase the risk of ACL injury: A systematic review.XLS	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-03790	Testosterone and cortisol responses to β -hydroxy β -methylbutyrate consumption and exercise: A meta-analysis	2022	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1002/fsn3.2887	36171789
MR-03793	The accumulation of subconcussive impacts on cognitive, imaging, and biomarker outcomes in child and college-aged athletes: a systematic review	2022	MOL; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s11682-021-00489-6	34308510
MR-03795	The association between contact sport exposure and cervical sensorimotor dysfunction: a scoping review of implications for future musculoskeletal injury risk	2022	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1186/s12998-022-00458-w	36434725
MR-03796	The association between training load and physical development in professional male youth soccer players: a systematic review	2022	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541221097388	NR
MR-03798	The Athlete's Heart and Machine Learning: A Review of Current Implementations and Gaps for Future Research	2022	DIG; AI	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/jcdd9110382	NR
MR-03809	The effect of basketball matches on salivary markers: a systematic review	2022	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/biol sport.2022.107481	36247952

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MR-03828	The Effectiveness of Gait Retraining on Running Kinematics, Kinetics, Performance, Pain, and Injury in Distance Runners: A Systematic Review With Meta-analysis	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2519/jospt.2022.10585	35128941
MR-03843	The effects of footwear midsole longitudinal bending stiffness on running economy and ground contact biomechanics: A systematic review and meta-analysis	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/17461391.2021.1955014	34369282
MR-03859	The Impact of Wetsuit Use on Swimming Performance, Physiology and Biomechanics: A Systematic Review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/physiologia2040016	NR
MR-03860	The Implications of Sports Biomechanics Studies on the Research and Development of Running Shoes: A Systematic Review	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/bioengineering9100497	36290465
MR-03880	The relationship between internal and external loads as a tool to monitor physical fitness status of team sport athletes: a systematic review	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/biolisport.2022.107021	35959321
MR-03886	The Role of Neuromuscular Control of Postural and Core Stability in Functional Movement and Athlete Performance	2022	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3389/fphys.2022.796097	NR
MR-03906	Training in women soccer players: A systematic review on training load monitoring	2022	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fpsyg.2022.943857	35967662
MR-03909	Transcranial direct current stimulation and sporting performance: A systematic review and meta-analysis of transcranial direct current stimulation effects on physical endurance, muscular strength and visuomotor skills	2022	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1111/ejn.15540	34904303

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MR-03925	Validity and Reliability of Inertial Measurement Units on Lower Extremity Kinematics During Running: A Systematic Review and Meta-Analysis	2022	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-022-00477-0	35759130
MR-03926	Variability of internal and external loads and technical/tactical outcomes during small-sided soccer games: a systematic review	2022	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/biolsport.2022.107016	35959343
MR-03932	Wearables in Swimming for Real-Time Feedback: A Systematic Review	2022	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/s22103677	35632086
MR-03935	What is the Effect of Changing Running Step Rate on Injury, Performance and Biomechanics? A Systematic Review and Meta-analysis	2022	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-022-00504-0	36057913
MR-03946	A meta-analysis of the criterion-related validity of Session-RPE scales in adolescent athletes	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-023-00712-5	37573328
MR-03951	A Review of Physiological and Biomechanical Injuries in Wrestling	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.61186/jsportbiomech.9.2.90	NR
MR-03964	A Systematic Review of Lower-Body Kinematic and Strength Factors Associated with Pitch Velocity in Adult Baseball Pitchers	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/jsr.2022-0059	NR

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MR-03965	A Systematic Review of the Biomechanical Studies on Shoulder Kinematics in Overhead Sporting Motions: Types of Analysis and Approaches	2023	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app13169463	NR
MR-03967	A systematic review of the effect of running shoes on running economy, performance and biomechanics: analysis by brand and model	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/14763141.2022.2089589	35748066
MR-03969	A Systematic Review of the Genetic Predisposition to Injury in Football	2023	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s42978-022-00187-9	NR
MR-03970	A systematic review of velocity and accelerometer thresholds in soccer	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541221143346	NR
MR-03977	Acute effect of low-load resistance exercise with blood flow restriction on oxidative stress biomarkers: A systematic review and meta-analysis	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0283237	37083560
MR-03978	Acute effects of interval training on running kinematics in runners: A systematic review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2023.04.009	37075554
MR-03981	Acute physiological, endocrine, biochemical and performance responses associated with amateur boxing: A systematic review with meta-analysis	2023	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/17461391.2022.2063072	35380916

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MR-03983	Adaptability of performance to different contextual constraints as a predictor of development and success in competitive football: A systematic review; [L'adaptabilité des performances aux contextes de jeu comme prédicteur du développement et du succès au football: une revue systématique]	2023	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1051/sm/2023011	NR
MR-03988	Agreement Between Dual-Energy X-ray Absorptiometry and Bioelectric Impedance Analysis for Assessing Body Composition in Athletes: A Systematic Review and Meta-Analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1097/jsm.0000000000001136	36853902
MR-03991	β-Alanine Supplementation in Combat Sports: Evaluation of Sports Performance, Perception, and Anthropometric Parameters and Biochemical Markers-A Systematic Review of Clinical Trials	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu15173755	37686787
MR-03999	Anthropometric and morphological characteristics of elite male cricket bowlers and batters over time: A systematic review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541231176441	NR
MR-04001	Application of wearable technologies for player motion analysis in racket sports: A systematic review	2023	PSM	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541221138015	NR
MR-04002	Are alterations in running biomechanics associated with running injuries? A systematic review with meta-analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.bjpt.2023.100538	37651773
MR-04007	Artificial Intelligence Approach in Biomechanics of Gait and Sport: A Systematic Literature Review	2023	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.31661/jbpe.v0i0.2305-1621	37868944

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MR-04009	Assessing and Monitoring Physical Performance Using Wearable Technologies in Volleyball Players: A Systematic Review	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app13074102	NR
MR-04010	Associação do Polimorfismo rs35767 Do Gene IGF1 com a Performance Desportiva: Uma Meta-Análise Association of the Polymorphism rs35767 of the IGF1 Gene with Sports Performance: A Meta-Analysis	2023	GEN; PSM	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	NR	NR
MR-04011	Association between ACTN3 R577X genotype and risk of non-contact injury in trained athletes: A systematic review	2023	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jsbs.2021.07.003	34284153
MR-04032	Beyond acute concussion assessment to office management: a systematic review informing the development of a Sport Concussion Office Assessment Tool (SCOAT6) for adults and children	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2023-106897	37316204
MR-04037	Biomechanical analyses of different serve and groundstroke techniques in tennis: A systematic scoping review	2023	DIG; IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1371/journal.pone.0290320	37590226
MR-04039	Biomechanical Basis of Interval Throwing Programs for Baseball Pitchers: A Systematic Review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.26603/001c.87811	37795321
MR-04040	Biomechanical characteristics of concussive and sub-concussive impacts in youth sports athletes: A systematic review and meta-analysis	2023	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1080/02640414.2023.2231317	37393593
MR-04044	Biomechanical Research Methods Used in Acrobatic Gymnastics: A Systematic Review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/biomechanics3010005	NR

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MR-04045	Biomechanics and lower limb function are altered in athletes and runners with achilles tendinopathy compared with healthy controls: A systematic review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2022.1012471	36685067
MR-04046	Biomechanics associated with tibial stress fracture in runners: A systematic review and meta-analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jshs.2022.12.002	36481573
MR-04049	Body Composition, Anthropometric Parameters, and Strength-Endurance Characteristics of Sport Climbers: A Systematic Review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/jsc.0000000000004464	36930882
MR-04050	Body Composition of Male Professional Soccer Players Using Different Measurement Methods: A Systematic Review and Meta-Analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu15051160	36904159
MR-04086	Concurrent-Validity and Reliability of Photocells in Sport: A Systematic Review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/jhk/174285	38736609
MR-04098	Current Technologies and Practices to Assess External Training Load in Paralympic Sport: A Systematic Review	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/jsr.2022-0110	37156538
MR-04112	Data_Sheet_1_Race, ethnicity, and clinical outcome following sport-related concussion: a systematic review.pdf	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR

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MR-04120	Datasheet1_Biomechanics and lower limb function are altered in athletes and runners with achilles tendinopathy compared with healthy controls: A systematic review.docx	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-04121	DataSheet1_Effects of different external cooling placements prior to and during exercise on athletic performance in the heat: A systematic review and meta-analysis.docx	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-04128	DataSheet2_Effects of different external cooling placements prior to and during exercise on athletic performance in the heat: A systematic review and meta-analysis.docx	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-04134	Diffusion Imaging of Sport-related Repetitive Head Impacts-A Systematic Review	2023	IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-01730; not prioritized because it did not add sufficient complementary scope.	10.1007/s11065-022-09566-z	36508043
MR-04138	Does the ultrasound imaging predict lower limb tendinopathy in athletes: a systematic review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s12880-023-01181-5	38129787
MR-04149	Effect of Training Load on Post-Exercise Cardiac Biomarkers in Healthy Children and Adolescents: A Systematic Review of the Existing Literature	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/jcm12062419	36983423
MR-04158	Effectiveness of Lower-Cost Strategies for Running Gait Retraining: A Systematic Review	2023	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app13031376	NR

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-04160	EFFECTIVENESS OF MUSCLE ENERGY TECHNIQUES ON GLENOHUMERAL INTERNAL ROTATION DEFICIT IN OVERHEAD ATHLETES: A SYSTEMATIC REVIEW; [BAŞ ÜSTÜ AKTİVİTE YAPAN SPORCULARDA KAS ENERJİ TEKNİKLERİNİN POSTERİOR OMUZ GERİNLİĞİ VE GLENOHUMERAL İNTERNAL ROTASYON DEFİSİTİNDEKİ ETKİNLİĞİ: SİSTEMATİK DERLEME]	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.21653/tjpr.1123541	NR
MR-04178	Effects of different external cooling placements prior to and during exercise on athletic performance in the heat: A systematic review and meta-analysis	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2022.1091228	36703929
MR-04181	Effects of electromyostimulation on performance parameters in sportive and trained athletes: A systematic review and network meta-analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/17461391.2022.2107437	35913269
MR-04186	Effects of integrative neuromuscular training on change of direction performance in court-based sports players: A systematic review and meta-analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541231184554	NR
MR-04187	Effects of intermittent fasting on performance and body composition in athletes. Systematic review; [Efectos del ayuno intermitente sobre el rendimiento y la composición corporal de los deportistas. Revisión sistemática]	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.6018/sportk.568341	NR
MR-04210	Effects of the ketogenic diet on performance and body composition in athletes and trained adults: a systematic review and Bayesian multivariate multilevel meta-analysis and meta-regression	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/10408398.2022.2090894	35757868

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-04211	Effects of the menstrual cycle phase on anterior cruciate ligament neuromuscular and biomechanical injury risk surrogates in eumenorrheic and naturally menstruating women: A systematic review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0280800	36701354
MR-04212	Effects of training on the heart rate variability of competitive soccer players: A systematic review with meta-analysis	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541221145624	NR
MR-04217	Efficacy of aerobic exercise on aerobic capacity in slowly progressive neuromuscular diseases: A systematic review and meta-analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.rehab.2022.101637	35091111
MR-04228	Evaluation of Low-Intensity Pulsed Ultrasound on Stress Fractures to Reduce the Time to Return to Sport or Activity in the Physically Active Population: A Systematic Review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7759/cureus.49129	38024090
MR-04235	Examining later-in-life health risks associated with sport-related concussion and repetitive head impacts: a systematic review of case-control and cohort studies	2023	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2023-106890	37316187
MR-04243	External Load Monitoring in Female Basketball: A Systematic Review	2023	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/jhk/166881	37559766
MR-04244	External Loads of Elite Soccer Referees: A Systematic Review with meta-analysis.	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/15438627.2021.1988948	34633255

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-04248	Factors that Increase Elbow Stress in the Throwing Athlete: a Systematic Review of Biomechanical and Motion Analysis Studies of Baseball Pitching and Throwing	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s12178-022-09800-4	36572821
MR-04255	Football Biomechanics and Performance Enhancement: A Systematic Review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.61186/jsportbiomech.9.3.252	NR
MR-04257	Force plate methodologies applied to injury profiling and rehabilitation in sport: A scoping review protocol	2023	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1371/journal.pone.0292487	37812631
MR-04272	From data to action: a scoping review of wearable technologies and biomechanical assessments informing injury prevention strategies in sport	2023	DIG; IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1186/s13102-023-00783-4	NR
MR-04277	Genetic Determinants of the Anterior Cruciate Ligament Rupture in Sport: An Up-to-Date Systematic Review	2023	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/jhk/163073	37559763
MR-04278	Genetics and athletic performance: a systematic SWOT analysis of non-systematic reviews	2023	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fgene.2023.1232987	37621703
MR-04286	Heart rate variability behavior in athletes after a sports concussion: A systematic review	2023	DIG	Included in principal corpus	Selected for principal evidence corpus.	10.1111/sms.14409	37246359
MR-04287	Heart Rate Variability-Derived Thresholds for Exercise Intensity Prescription in Endurance Sports: A Systematic Review of Interrelations and Agreement with Different Ventilatory and Blood Lactate Thresholds	2023	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-023-00607-2	37462761
MR-04302	Hypertrophic cardiomyopathy or athlete's heart? A systematic review of novel cardiovascular magnetic resonance imaging parameters	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/17461391.2021.2001576	34720041

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-04316	Impacts of different triathlon races on systemic cytokine profile and metabolic parameters in healthy individuals: a systematic review	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-023-00763-8	37932804
MR-04325	Increased Pitch Velocity Is Associated With Throwing Arm Kinetics, Injury Risk, and Ulnar Collateral Ligament Reconstruction in Adolescent, Collegiate, and Professional Baseball Pitchers: A Qualitative Systematic Review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.arthro.2023.01.004	36649827
MR-04337	Injury prevention programs including balance exercises with compliance and follow-up reduce the incidence of knee injuries in athletes: A systematic review and meta-analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3233/ies-220084	NR
MR-04346	Is Probiotics Supplementation an Appropriate Strategy to Modulate Inflammation in Physically Active Healthy Adults or Athletes? A Systematic Review	2023	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app13063448	NR
MR-04347	Is the Cooling Vest an Ergogenic Tool for Physically Active Individuals? Assessment of Perceptual Response, Thermo-Physiological Behavior, and Sports Performance: A Systematic Review and Meta-Analysis	2023	GEN; DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/bioengineering10020132	36829626
MR-04348	Isokinetic Hamstrings-to-Quadriceps Peak Torque Ratio in Combat Sports: A Systematic Review and Meta-analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.26773/smj.230720	NR
MR-04353	Kinematic Parameters Predictive of Pitch Velocity in Youth to Professional Baseball Pitchers: A Qualitative Systematic Review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/23259671231196539	NR
MR-04357	Long-term function, body composition and cardiometabolic health in midlife former athletes: a scoping review	2023	MOL	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1136/bmjsem-2023-001605	NR

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-04359	Long-Term Within- and Between-Subject Biological Variation Data of Hematological Parameters in Recreational Endurance Athletes	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1093/clinchem/hvad006	36786725
MR-04361	Machine learning application in soccer: a systematic review	2023	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/biol sport.2023.112970	36636183
MR-04363	Major aspects of cannabidiol in the interaction with microRNAs and exosomes in the modulation of inflammatory and immunological processes in athletes: a systematic review	2023	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.54448/ijn23228	NR
MR-04364	Major evidence of clinical studies on the triad gut microbiota, ubiquinone and physical exercise: a systematic review	2023	MOL	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-04365; not prioritized because it did not add sufficient complementary scope.	10.54448/ijn23201	NR
MR-04365	Major metabolic and metabolomic aspects of nutrition in the gut microbiota and sports performance: a systematic review	2023	MOL	Included in principal corpus	Selected for principal evidence corpus.	10.54448/ijn23224	NR
MR-04373	Menstrual Cycle and Sport Injuries: A Systematic Review	2023	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph20043264	36833966
MR-04380	Methods of Monitoring Internal and External Loads and Their Relationships with Physical Qualities, Injury, or Illness in Adolescent Athletes: A Systematic Review and Best-Evidence Synthesis	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-023-01844-x	37071283
MR-04382	Methods to predict the timing and status of biological maturation in male adolescent soccer players: A narrative systematic review	2023	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0286768	37682962

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-04388	Monitoring Internal Load in Women's Basketball via Subjective and Device-Based Methods: A Systematic Review	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/s23094447	37177651
MR-04389	Monitoring oxygen uptake, blood lactate and heart rate in swimmers with physical impairments: A systematic review	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5507/euj.2023.008	NR
MR-04405	Neuromuscular activity of the lower-extremities during running, landing and changing-of-direction movements in individuals with anterior cruciate ligament reconstruction: a review of electromyographic studies	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40634-023-00603-1	37058177
MR-04406	Next-generation sequencing of the athletic gut microbiota: a systematic review	2023	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.20517/mrr.2022.16	38045609
MR-04448	Prevention strategies and modifiable risk factors for sport-related concussions and head impacts: a systematic review and meta-analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2022-106656	37316182
MR-04462	Race, ethnicity, and clinical outcome following sport-related concussion: a systematic review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fneur.2023.1110539	NR
MR-04463	Range values for external and internal intensity monitoring in female soccer players: A systematic review	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541221113014	NR

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MR-04485	Return to Sport After Anterior Cruciate Ligament Reconstruction Requires Evaluation of >2 Functional Tests, Psychological Readiness, Quadriceps/Hamstring Strength, and Time After Surgery of 8 Months	2023	IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-05078; not prioritized because it did not add sufficient complementary scope.	10.1016/j.arthro.2022.08.038	36216133
MR-04499	Role of biomarkers and emerging technologies in defining and assessing neurobiological recovery after sport-related concussion: a systematic review	2023	GEN; MOL; DIG	Included in principal corpus	Selected for principal evidence corpus.	10.1136/bjsports-2022-106680	37316184
MR-04503	Running gait produces long range correlations: A systematic review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2023.04.001	37028119
MR-04510	Sensor analysis for the assessment of biomechanical parameters in endurance runners: a systematic review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7752/jpes.2023.09274	NR
MR-04511	Sensors Technology in Sports Biomechanics: Exploring Applications and Advancements	2023	DIG; IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-03072; not prioritized because it did not add sufficient complementary scope.	10.61186/jsportbiomech.9.1.74	NR
MR-04526	Sports nutrology and gut microbiota: a systematic review	2023	MOL	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-04365; not prioritized because it did not add sufficient complementary scope.	10.54448/ijn23109	NR
MR-04533	Substantiating the predictive role of ultrasound imaging in athletes with lower limb tendinopathy: a systematic review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.47391/jpma.5187	36932763
MR-04591	The Acute Demands of Repeated-Sprint Training on Physiological, Neuromuscular, Perceptual and Performance Outcomes in Team Sport Athletes: A Systematic Review and Meta-analysis	2023	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-023-01853-w	37222864

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MR-04594	The Application and Impact of Artificial Intelligence on Sports Performance Improvement: A Systematic Literature Review	2023	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1109/ciees58940.2023.10378750	NR
MR-04608	The Effect of Fatigue Recovery Types upon Blood Lactate Concentration in Athletes : The Systematic Literature Review and the Meta Analysis on a Randomized Controlled Trial	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.35159/kjss.2023.04.32.2.759	NR
MR-04629	The effects of menstrual cycle phases on immune function and inflammation at rest and after acute exercise: A systematic review and meta-analysis	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1111/apha.14013	37309068
MR-04635	The efficacy of neuromuscular training, with minimal or no equipment, on performance of youth athletes: A systematic review with meta-analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.ptsp.2023.09.010	37820456
MR-04645	The Impact of Genetic Polymorphisms on Anterior Cruciate Ligament Injuries in Athletes: A Meta-Analytical Approach	2023	GEN	Included in principal corpus	Selected for principal evidence corpus.	10.3390/biology12121526	38132352
MR-04646	The impact of previous musculoskeletal injury on running gait variability: A systematic review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2023.01.018	36801698
MR-04650	The Impact of Sleep Interventions on Athletic Performance: A Systematic Review	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-023-00599-z	NR
MR-04652	The Influence of General and Local Muscle Fatigue on Kinematics and Plantar Pressure Distribution during Running: A Systematic Review and Meta-Analysis	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/sports11120241	38133108

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MR-04667	The relationship between training load, physical performance and physiological adaptations in Rugby football players: A systematic review	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.6063/motricidade.30042	NR
MR-04672	The Role of AGT, AMPD1, HIF1 α , IL-6 Gene Polymorphisms in the Athletes' Power Status: A Meta-Analysis	2023	GEN	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-05082; not prioritized because it did not add sufficient complementary scope.	10.5114/jhk/169262	38053960
MR-04680	The Trade Secret Taboo: Open Science Methods are Required to Improve Prediction Models in Sports Medicine and Performance	2023	DIG; AI	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-03495; not prioritized because it did not add sufficient complementary scope.	10.1007/s40279-023-01849-6	37160562
MR-04681	The Use of Electroencephalography as an Informative Tool in Assisting Early Clinical Management after Sport-Related Concussion: a Systematic Review	2023	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11065-020-09442-8	32577950
MR-04685	The Use of Wearable Monitoring Devices in Sports Sciences in COVID Years (2020–2022): A Systematic Review	2023	GEN; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app132212212	NR
MR-04692	Training Load Within a Soccer Microcycle Week—A Systematic Review	2023	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/ssc.0000000000000765	NR
MR-04701	Underwater Surface Electromyography for the Evaluation of Muscle Activity during Front Crawl Swimming: A Systematic Review	2023	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.52082/jssm.2023.1	36876189
MR-04703	Use of accelerometers and inertial measurement units to quantify movement of tactical athletes: A systematic review	2023	GEN; DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.apergo.2023.103991	36841096

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MR-04706	Use, Validity and Reliability of Inertial Movement Units in Volleyball: Systematic Review of the Scientific Literature	2023	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/s23083960	37112300
MR-04720	Wearables for Running Gait Analysis: A Systematic Review	2023	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-022-01760-6	36242762
MR-04728	Workload Monitoring Tools in Field-Based Team Sports, the Emerging Technology and Analytics used for Performance and Injury Prediction: A Systematic Review	2023	DIG; AI	Included in principal corpus	Selected for principal evidence corpus.	10.2478/ijcss-2023-0008	NR
MR-04734	A 15-Year Bibliometric Analysis of Sports Medicine Studies in The Journal of Bone and Joint Surgery A Systematic Review	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2106/jbjs.oe.24.00045	NR
MR-04749	A Scoping Review on the Influence of Contextual Factors on Training Load in Adolescent Soccer Players: What Do We Know?	2024	DIG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/sports12070172	39058063
MR-04752	A Systematic Review and Meta-analysis of the Association Between ACTN3 R577X Genotypes and Performance in Endurance Versus Power Athletes and Non-athletes	2024	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-024-00711-x	38609671
MR-04762	A systematic review of the outcomes of partial ulnar collateral ligament tears of the elbow in athletes treated non-operatively with platelet-rich plasma injection.	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17585732241235631	39318405
MR-04765	A Systematic Review on Utilizing the Acute to Chronic Workload Ratio for Injury Prevention among Professional Soccer Players	2024	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app14114449	NR

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MR-04769	Accuracy Standards of Wearable Technologies for Assessment of Soccer Kicking: Protocol for a Systematic Literature Review	2024	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2196/57433	39496307
MR-04770	Action of cannabidiol in interaction with microRNAs and exosomes in modulation of inflammatory and immune processes in athletes: a systematic review	2024	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.54448/ijn24204	NR
MR-04775	Acute:chronic workload ratio and training monotony variations over the season in professional soccer: A systematic review	2024	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17543371231194283	NR
MR-04782	Advancements in Performance Monitoring: A Systematic Review of Sensor Technologies in Rowing and Canoeing Biomechanics	2024	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.3390/sports12090254	39330731
MR-04785	Agreement Between Maximal Lactate Steady State and Critical Power in Different Sports: A Systematic Review and Bayesian's Meta-Regression	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/jsc.0000000000004772	38781475
MR-04786	Alterations of postural control across the menstrual cycle - A systematic review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2023.09.010	37757596
MR-04794	Analyzing Sports Biomechanics of Hurdling Training: A Systematic Review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.17309/tmfv.2024.5.20	NR
MR-04799	Application of Sensor Technology in Wheelchair Sports for Real-Time Data Collection during Training and Competition and for Assessment of Performance Parameters: A Systematic Review and Future Directions	2024	GEN; DIG; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.3390/s24196343	39409401

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-04800	Applications of Machine Learning to Optimize Tennis Performance: A Systematic Review	2024	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app14135517	NR
MR-04805	Artificial intelligence applications in the football codes: A systematic review	2024	AI	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-01718; not prioritized because it did not add sufficient complementary scope.	10.1080/02640414.2024.2383065	39140400
MR-04806	Aspects Related to the Marathon and Performance That Can Be Supported by Artificial Intelligence (AI): A Systematic Literature Review	2024	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1109/ic2ie63342.2024.10747908	NR
MR-04809	Assessing the association between the APOE gene and Traumatic Brain Injury during Sports: A Systematic Review and Meta-analysis	2024	GEN	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	NR	NR
MR-04818	Association between Acute:Chronic Workload Ratio (ACWR) and Injury and Recovery: A Systematic Review of Comparative Analysis of Team and Individual Sports and Its Applicability in Taekwondo	2024	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.24881/tjk.2024.15.4.109	NR
MR-04823	Association of rs35767 polymorphism in the IGF1 gene with athletic performance in power and endurance sports: A meta-analysis	2024	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jghir.2024.101627	39514943
MR-04828	Attenuating Muscle Damage Biomarkers and Muscle Soreness After an Exercise-Induced Muscle Damage with Branched-Chain Amino Acid (BCAA) Supplementation: A Systematic Review and Meta-analysis with Meta-regression	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-024-00686-9	38625669
MR-04833	Best practices for the dissemination and implementation of neuromuscular training injury prevention warm-ups in youth team sport: a systematic review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2023-106906	38684329

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-04838	Biomarker response in professional football athletes after matches: a systematic review; [Respuesta de biomarcadores en deportistas de fútbol profesionales después de los partidos: una revisión sistemática]	2024	MOL	Included in principal corpus	Selected for principal evidence corpus.	10.47197/retos.v59.107323	NR
MR-04839	BIOMECHANICAL ANALYSIS OF RUNNING TECHNIQUES: IMPLICATIONS FOR INJURY PREVENTION AND PERFORMANCE	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.15366/rimcafd2024.97.022	NR
MR-04840	Biomechanical Analysis of Smash Stroke in Badminton: A Comparative Study of Elite and Recreational Players: a systematic review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.47197/retos.v57.107662	NR
MR-04841	Biomechanical Determinants Influencing Smash Performance in Racket Sports from 2000 to 2024: A Systematic Review and Meta-Analysis	2024	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.17309/tmfv.2024.4.16	NR
MR-04842	Biomechanical Insights Into the One-Handed Backhand Drive in Tennis: A Bibliometric Analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.17309/tmfv.2024.6.18	NR
MR-04843	BIOMECHANICAL STRATEGIES FOR INJURY PREVENTION IN ADOLESCENT ATHLETES: A SYSTEMATIC REVIEW	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.15366/rimcafd2024.98.010	NR
MR-04846	Blood flow restriction therapy with exercise are no better than exercise alone in improving athletic performance, muscle strength, and hypertrophy: a systematic review and meta-analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/08990220.2023.2181328	36825612
MR-04865	Changes in Lower Limb Biomechanics Across Various Stages of Maturation and Implications for ACL Injury Risk in Female Athletes: a Systematic Review	2024	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s40279-024-02022-3	38671176

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-04878	Comprehensive systematic review: evaluating association of various movement screening tools with injury prediction in soccer athletes	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.23829/tss.2024.31.3-1	NR
MR-04883	Concussions in ice hockey: mixed methods study including assessment of concussions on games missed and cap hit among National Hockey League players, systematic review, and concussion protocol analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3171/2024.4.focus24103	38950440
MR-04888	Constrained-action hypothesis as induction vector for inducing the optimization of biomechanical adaptations of the landing kinematic in preventing the anterior cruciate ligament injury for athletes: A systematic review with meta-analysis; [Théorie de l'action contrainte comme vecteur d'induction pour optimiser les adaptations biomécaniques de la cinématique d'atterrissage dans la prévention des ruptures du ligament croisé antérieur chez les sportifs : une revue systématique avec méta-analyse]	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.kine.2024.05.001	NR
MR-04890	Contractile and Mechanical Properties of Quadriceps Muscles Measured by the Method of Tensiomyography (TMG) in Professional Soccer Players: A Systematic Review, Meta-Analysis, and Meta-Regression	2024	GEN	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-05884; not prioritized because it did not add sufficient complementary scope.	10.3390/bioengineering11121295	39768113
MR-04893	Current and future of Sports Analytics in Korea: A Systematic Literature Review on "On-field Analysis"	2024	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.31308/kssm.29.1.63	NR
MR-04898	Cycling position optimisation—a systematic review of the impact of positional changes on biomechanical and physiological factors in cycling	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2024.2394752	39285616

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MR-04907	Diaphragmatic Ultrasonography in Sports Performance: A Systematic Review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/life14101250	39459550
MR-04920	"Do probiotics mitigate GI-induced inflammation and perceived fatigue in athletes? A systematic review"	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/15502783.2024.2388085	39193818
MR-04924	Does Headgear Prevent Sport-Related Concussion? A Systematic Review and Meta-Analysis of Randomized Controlled Trials Including 6311 Players and 173,383 Exposure Hours	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/19417381231174461	37204092
MR-04940	Effect of astaxanthin on physical activity factors, lipid profile, inflammatory markers, and antioxidants indices in athletic men: A systematic review and meta-analysis	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jff.2024.106477	NR
MR-04944	Effect of myofascial release techniques on internal biomechanics and their resultant application to sports: A systematic review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jbmt.2024.05.003	39593637
MR-04945	Effect of neuromuscular injury prevention strategies on injury rates in adolescent males playing sport: A systematic review protocol	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.11124/jbies-22-00448	37972948
MR-04948	Effect of Probiotic Supplementation on Gut Microbiota and Sport Performance in Athletes and Physically Active Individuals: A Systematic Review	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/19390211.2023.2293842	38148685

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MR-04951	Effect of wearable activity trackers on physical activity in children and adolescents: a systematic review and meta-analysis	2024	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/s2589-7500(24)00139-0	39112110
MR-04953	Effectiveness of FIFA 11+ Injury Prevention Programs in Reducing Head and Neck Injuries, Including Concussion, Among Soccer Players: A Systematic Review and Meta-Analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/pes.2023-0187	39481367
MR-04954	Effectiveness of functional or biomechanical bandages with athletic taping and kinesiotaping in subjects with chronic ankle instability: a systematic review and meta-analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1530/eor-23-0129	38308953
MR-04961	Effects of adding dual-task or sport-specific task constrains to jump-landing tests on biomechanical parameters related to injury risk factors in team sports: a systematic review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7717/peerj.17720	39157766
MR-04973	Effects of Creatine Supplementation on the Performance, Physiological Response, and Body Composition Among Swimmers: A Systematic Review and Meta-Analysis of Randomized Controlled Trials	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-024-00784-8	NR
MR-04989	Effects of Heart Rate Variability Biofeedback Training on Sport Performance in Athletes: Systematic Review and Meta-analysis	2024	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-04998	Effects of neuromuscular training on dynamic balance ability in athletes: A systematic review and meta-analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.heliyon.2024.e35823	39220942

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MR-05001	Effects of omnivorous and vegetarian diets in neuromuscular adaptations to physical exercise: A systematic review; [Effets des régimes omnivores et végétariens dans les adaptations neuromusculaires à l'exercice physique : une revue systématique]	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.scispo.2022.07.017	NR
MR-05002	Effects of Oral Iron Supplementation on Blood Iron Status in Athletes: A Systematic Review, Meta-Analysis and Meta-Regression of Randomized Controlled Trials	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-024-01992-8	38407751
MR-05013	Effects of small-sided games training programs on physiological and physical adaptations of youth basketball players: A systematic review	2024	GEN; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/00368504241231657	38444385
MR-05014	Effects of Small-Sided Soccer Games on Physical Fitness and Cardiometabolic Health Biomarkers in Untrained Children and Adolescents: A Systematic Review and Meta-Analysis	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/jcm13175221	39274434
MR-05017	Effects of the menstrual cycle on the performance of female football players. A systematic review	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2024.1359953	38651042
MR-05027	Efficacy of exercise interventions on prevention of sport-related concussion and related outcomes: a systematic review and meta-analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2024-108260	39242177
MR-05038	Electromyography of shoulder muscles in individuals without scapular dyskinesis during closed kinetic chain exercises on stable and unstable surfaces: a systematic review and meta-analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2024.1385693	38840951

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MR-05055	Examining the relationship between genetic polymorphisms (BDKRB2, GNB3, HIF1A, MCT1, NOS3) and endurance athlete status	2024	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s00421-024-05498-z	38753016
MR-05078	Functional Return-to-Sport Testing Demonstrates Inconsistency in Predicting Short-Term Outcomes Following Anterior Cruciate Ligament Reconstruction: A Systematic Review	2024	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1016/j.arthro.2023.12.032	38216071
MR-05082	Genetic insights into endurance athlete status: A meta-analysis of ACVR1B, AGT, FTO, IL-6, and NRF2 gene polymorphisms	2024	GEN; PSM	Included in principal corpus	Selected for principal evidence corpus.	10.14440/jbm.2024.0013	39544188
MR-05083	Genetic markers of sports performance, interpretation of individual genotypes in the athlete's genetic passport	2024	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.26577/ijbch2024v17.i2.6	NR
MR-05084	Genetic polymorphisms of the ACE gene associated with elite athletes: an integrative systematic review	2024	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.4238/gmr19149	NR
MR-05088	GENOTYPE DISTRIBUTION AND ALLELE FREQUENCY OF THE ACE GENE I/D POLYMORPHISM IN ENDURANCE RUNNERS: SYSTEMATIC REVIEW; [DISTRIBUCIÓN DEL GENOTIPO Y FRECUENCIA ALÉLICA DEL POLIMORFISMO I/D DEL GEN ECA EN CORREDORES DE RESISTENCIA: REVISIÓN SISTEMÁTICA]	2024	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.58727/jshr.95827	NR
MR-05091	Gut microbiota and skeletal muscle axis in sports performance through nutrological activation of irisin and microRNAs: a systematic review	2024	GEN; MOL	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-04365; not prioritized because it did not add sufficient complementary scope.	10.54448/ijn24303	NR
MR-05113	Impact of Melatonin Supplementation on Sports Performance and Circulating Biomarkers in Highly Trained Athletes: A Systematic Review of Randomized Controlled Trials	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu16071011	38613044

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05115	Impact of Ramadan fasting on serum levels of major endocrinology hormonal and biochemical parameters in healthy non-athlete adults: A systematic review and meta-analyses	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0299695	38781203
MR-05118	Impact of the Mediterranean Diet on Athletic Performance, Muscle Strength, Body Composition, and Antioxidant Markers in Both Athletes and Non-Professional Athletes: A Systematic Review of Intervention Trials	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu16203454	39458450
MR-05126	Influence of Fatigue on the Modification of Biomechanical Parameters in Endurance Running: A Systematic Review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.70252/llt3293	39807294
MR-05127	Influence of genetic polymorphism on sports talent performance versus non-athletes: a systematic review and meta-analysis	2024	GEN	Included in principal corpus	Selected for principal evidence corpus.	10.1186/s13102-024-01001-5	39482721
MR-05129	Influence of Oestradiol Fluctuations in the Menstrual Cycle on Respiratory Exchange Ratio at Different Exercise Intensities: A Systematic Review, Meta-Analysis and Pooled-Data Analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/physiologia4040033	NR
MR-05135	Injury Prevention Programmes Fail to Change Most Lower Limb Kinematics and Kinetics in Female Team Field and Court Sports: A Systematic Review and Meta-Analysis of Randomised Controlled Trials	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-023-01974-2	38044391
MR-05138	Internal and External Load Profile during Beach Invasion Sports Match-Play by Electronic Performance and Tracking Systems: A Systematic Review	2024	GEN; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/s24123738	38931522
MR-05140	Interplay of Muscle Architecture, Morphology, and Quality in Influencing Human Sprint Cycling Performance: A Systematic Review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-024-00752-2	39026135

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MR-05144	Intrinsic and extrinsic variables impacting upper quarter Y-balance test scores in sporting cohorts: A systematic review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jbmt.2024.02.043	38876624
MR-05157	Is there an association between high-speed running biomechanics and hamstring strain injury? A systematic review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/14763141.2021.1960418	34569907
MR-05158	Isokinetic assessment of the female's soccer player's knee. A systematic review of outcomes measures	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13018-024-05124-w	39367376
MR-05162	It's not all about power: a systematic review and meta-analysis comparing sex-based differences in kicking biomechanics in soccer	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/14763141.2021.1981426	34781851
MR-05167	Kinematics characteristics of key point of interest during tennis serve among tennis players: a systematic review and meta-analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2024.1432030	39040663
MR-05171	Lack of Association Between I/D Dimorphism in the ACE Gene and Success in a Chosen Sport	2024	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.17816/humeco643363	NR
MR-05193	Measurement Properties of Wearable Kinematic-Based Data Collection Systems to Evaluate Ball Kicking in Soccer: A Systematic Review with Evidence Gap Map	2024	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/s24247912	39771651
MR-05198	Meta-analysis of genomic variants in power and endurance sports to decode the impact of genomics on athletic performance and success	2024	GEN	Included in principal corpus	Selected for principal evidence corpus.	10.1186/s40246-024-00621-9	38760851

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MR-05199	META-ANALYSIS OF MIRNA AS A DIAGNOSTIC BIOMARKER FOR ORAL SQUAMOUS CELL CARCINOMA IN ATHLETES	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.15366/rimcafd2024.96.053	NR
MR-05202	Metabolomics analyses and physical interventions in soccer: a systematic review	2024	GEN; MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11306-024-02202-2	39676125
MR-05223	Neuromuscular Training Effects on Athletes' Jumping and Lower Limb Injury: A Systematic Review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/00222895.2024.2369699	38967242
MR-05236	Nutrological aspects of polyphenols and gut microbiota in sports performance: a systematic review	2024	GEN; MOL	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-04365; not prioritized because it did not add sufficient complementary scope.	10.54448/ijn24110	NR
MR-05237	Nutrological modulation of cannabidiol in the inflammatory processes of athletes: a systematic review	2024	GEN; MOL	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-04365; not prioritized because it did not add sufficient complementary scope.	10.54448/ijn24s301	NR
MR-05239	Objective Measures for Assessing Readiness to Return to Sport After Shoulder Instability Procedures Are Not Standardized: A Systematic Review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.asmr.2024.100978	39534039
MR-05244	Omega-3 Fatty Acid Supplementation on Post-Exercise Inflammation, Muscle Damage, Oxidative Response, and Sports Performance in Physically Healthy Adults-A Systematic Review of Randomized Controlled Trials	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu16132044	38999792
MR-05245	On-water Rowing Biomechanical Assessment: A Systematic Scoping Review	2024	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1186/s40798-024-00760-2	39331267

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05253	Orientation and Decision-Making for Soccer Based on Sports Analytics and AI: A Systematic Review	2024	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1109/jas.2023.123807	NR
MR-05272	Physical activity, sedentary behavior and microbiome: A systematic review and meta-analysis	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jsams.2024.07.003	39048485
MR-05277	Physical performance estimation in practice: A systematic review of advancements in performance prediction and modeling in cycling	2024	MOL; DIG; IMG; AI; PSM	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541241262385	NR
MR-05310	Real-World Fatigue Testing in Professional Rugby Union: A Systematic Review and Meta-analysis	2024	MOL; DIG; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s40279-023-01973-3	38114782
MR-05311	Redefining Iron Deficiency: An Evaluation of Iron Deficiency in Student-Athletes Obtaining Pre-Participation Hemoglobinopathy Screening in the Upper Midwest and Global Meta-Analysis	2024	GEN; MOL	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	NR	NR
MR-05313	Relationship between external and internal load indicators and injury using machine learning in professional soccer: a systematic review and meta-analysis	2024	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/15438627.2023.2297190	38146925
MR-05314	RELATIONSHIP BETWEEN GUT-MICROBIOTA AND SPORT ACTIVITY	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.18276/cej.2024.1-03	NR

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05315	Relationship between load indicators and injuries using machine learning in professional soccer: A systematic review and meta-analysis; [Die Beziehung zwischen Belastungsindikatoren und Verletzungen mit Hilfe von maschinellem Lernen im Profifußball: eine systematische übersichtsarbeit und Meta-Analyse]	2024	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.orthtr.2024.03.004	NR
MR-05317	Relationship of ACTN3 R577X gene to flexibility and range of motion: Implications in sports injuries; [Relación del gen ACTN3 R577X con la flexibilidad y el rango de movimiento: Implicaciones en lesiones deportivas]	2024	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.6018/spork.525531	NR
MR-05318	Reliability of Ultrasound Assessment of Hamstring Morphology, Quality, and Stiffness Among Healthy Adults and Athletes: A Systematic Review	2024	IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-03487; not prioritized because it did not add sufficient complementary scope.	10.1123/jsr.2023-0204	39032922
MR-05319	Repetitive Subconcussive Head Impacts in Sports and Their Impact on Brain Anatomy and Function: A Systematic Review	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1055/a-2342-3604	38857880
MR-05323	Response of infrared thermography related parameters to (non-)sport specific exercise and relationship with internal load parameters in individual and team sport athletes-a systematic review.	2024	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2024.1479608	39734601
MR-05324	Rethinking running biomechanics: a critical review of ground reaction forces, tibial bone loading, and the role of wearable sensors	2024	GEN; DIG; IMG; AI	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3389/fbioe.2024.1377383	38650752
MR-05337	Role of the ACE I/D Polymorphism in Selected Public Health-Associated Sporting Modalities: An Updated Systematic Review and Meta-Analysis	2024	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijerph21111439	39595706

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05339	Sacroiliac Joint Dysfunction in Endurance Runners Using Wearable Technology as a Clinical Monitoring Tool: Systematic Review	2024	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2196/46067	38875697
MR-05340	Saliva as a diagnostic tool in soccer: a scoping review	2024	GEN; MOL	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.7717/peerj.18032	NR
MR-05341	Scapular dyskinesis and overhead athletes: A systematic review of electromyography studies	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jbmt.2024.03.014	38876694
MR-05350	Simulated Soccer Game Protocols: A Systematic Review on Validated Protocols That Represent the Demands of the Game	2024	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/jsc.0000000000004604	38085629
MR-05355	Sports Biomechanics Research on the Hammer Throw: Systematic Review; [Investigación en biomecánica deportiva del lanzamiento de martillo: revisión sistemática]	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.47197/retos.v54.102682	NR
MR-05369	Sudden Cardiac Arrests in Individuals Who Over-Exercise, Its Etiology, Use of Wearable IoT Technology, and the Role of COVID-19: A Systematic Review	2024	GEN; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/978-981-97-1320-2_27	NR
MR-05380	Systematic review and meta-analysis of observational studies evaluating glial fibrillary acidic protein (GFAP) and ubiquitin C-terminal hydrolase L1 (UCHL1) as blood biomarkers of mild acute traumatic brain injury (mTBI) or sport-related concussion (SRC) in adult subjects	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1515/dx-2024-0078	39167371

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05382	Systematic Review on the Application of vmHRV in the Sport Performance Context	2024	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-05394	The acute effects of pre- and mid-exercise carbohydrate ingestion on the immunoregulatory stress hormone release in experienced endurance athletes-a systematic review	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2024.1264814	38362064
MR-05397	The application of Machine and Deep Learning for technique and skill analysis in swing and team sport-specific movement: A systematic review	2024	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2478/ijcss-2024-0007	NR
MR-05418	The Effect of Plyometrics-Based Neuromuscular Training on the Lower Extremity Landing Biomechanics of Adolescent Female Athletes: A Meta-Analysis	2024	IMG	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	NR	NR
MR-05422	The Effect of Vitamin D Consumption on Pro-Inflammatory Cytokines in Athletes: A Systematic Review of Randomized Controlled Trials	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/sports12010032	38251306
MR-05432	The Effects of Lower Leg Compression Garments on Lower Extremity Sports Injuries, Subjective Fatigue and Biomechanical Variables: A Systematic Review with Meta-analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.70252/vbvg7314	38665681
MR-05436	The Effects of Repeated-Sprint Training on Physical Fitness and Physiological Adaptation in Athletes: A Systematic Review and Meta-Analysis	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-023-01959-1	38041768
MR-05440	The Genetic Profile of Combat Sport Athletes: A Systematic Review of Physiological, Psychological and Injury Risk Determinants	2024	GEN	Included in principal corpus	Selected for principal evidence corpus.	10.3390/ijerph21081019	39200631

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05445	The Impact of Royal Jelly on Athletic Performance, Lactate Levels, Anthropometric Parameters, and Muscle Damage: A Systematic Review	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3746/pnf.2024.29.4.385	39759813
MR-05450	The Influence of Menstrual Cycle Phases on Maximal Strength Performance in Healthy Female Adults: A Systematic Review with Meta-Analysis.	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/sports12010031	38251305
MR-05458	The Nature of Rehabilitation Programs to Improve Musculoskeletal, Biomechanical, Functional, and Patient-Reported Outcomes in Athletes With ACL Reconstruction: A Scoping Review	2024	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1177/19417381231158327	36929850
MR-05465	The Relationship Between Running Biomechanics and Running Economy: A Systematic Review and Meta-Analysis of Observational Studies	2024	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-024-01997-3	38446400
MR-05466	The Relationship between Training Load and Injury Risk in Basketball: A Systematic Review	2024	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/healthcare12181829	39337170
MR-05467	The Role of Biomarkers in Monitoring Chronic Fatigue Among Male Professional Team Athletes: A Systematic Review	2024	GEN; MOL; DIG; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.3390/s24216862	39517758
MR-05470	The Role of Gut Microbiota in Different Types of Physical Activity and Their Intensity: Systematic Review and Meta-Analysis	2024	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/sports12080221	39195597
MR-05475	The Rowing Spine: A Review of Biomechanics, Injury, and Treatment	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.wneu.2024.04.032	38608819

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05478	The Spine is the Tree of Life: A Systematic Review and Meta-Analysis of the Radiographic Findings Related to Spinal Injuries in Athletes	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7759/cureus.58780	38784300
MR-05479	The Use of Biofluid Markers to Evaluate the Consequences of Sport-Related Subconcussive Head Impact Exposure: A Scoping Review	2024	MOL	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1186/s40798-023-00665-6	NR
MR-05483	Thinking outside the shoulder: A systematic review and metanalysis of kinetic chain characteristics in non-athletes with shoulder pain	2024	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0314909	39652591
MR-05486	Towards Precision Sports Nutrition for Endurance Athletes: A Scoping Review of Application of Omics and Wearables Technologies	2024	GEN; MOL; DIG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/nu16223943	39599728
MR-05488	TRAINING LOAD AND PLAYERS' READINESS MONITORING METHODS USED IN VOLLEYBALL: A SYSTEMATIC REVIEW	2024	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.26582/k.56.1.10	NR
MR-05490	Training stress, neuromuscular fatigue and well-being in volleyball: a systematic review	2024	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-024-00807-7	38218879
MR-05505	Using multi-criteria decision-making and machine learning for football player selection and performance prediction: A systematic review	2024	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.dsm.2023.11.001	NR
MR-05523	What gaps exist in biomechanics and motor control research in Paralympic sports? A scoping review focussed on performance and injury risk	2024	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1080/02640414.2024.2415214	39529286
MR-05540	A Meta-Analysis of Glial Fibrillary Acidic Protein as a Superior Indicator of Sport-Related Concussion Severity	2025	MOL	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	NR	NR

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MR-05549	A systematic literature review of swimming performance prediction: methods, datasets, techniques and research trends; [Una revisión sistemática de la literatura sobre predicción del rendimiento en natación: métodos, datos, técnicas y tendencias]	2025	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.47197/retos.v67.112197	NR
MR-05551	A systematic review and coordinate-based meta-analysis of resting-state fMRI in athletes from open and closed skills sports	2025	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1038/s41598-025-07192-2	40596321
MR-05553	A Systematic Review of Bicycle Motocross: Influence of Physiological, Biomechanical, Physical, and Psychological Indicators on Sport Performance	2025	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/jfmk10020205	40566454
MR-05555	A Systematic Review of Finite Element Analysis in Running Footwear Biomechanics: Insights for Running-Related Musculoskeletal Injuries	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.52082/jssm.2025.370	40469859
MR-05566	Accumulated training load between football players exposed to different playing times: A systematic review	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541251315667	NR
MR-05569	ACTN3 R577X and ACE I/D Polymorphisms and Sports Performance: A Systematic Review	2025	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.18502/ijph.v54i8.19571	NR
MR-05570	ACTN3 R577X (rs1815739) Polymorphism and Athlete Status: An Additional Case–Control Association Study and Meta-Analysis	2025	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/jsc.0000000000005192	40845214
MR-05579	Acute to chronic workload ratio (ACWR) for predicting sports injury risk: a systematic review and meta-analysis	2025	DIG	Included in principal corpus	Selected for principal evidence corpus.	10.1186/s13102-025-01332-x	41029871

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05580	Additional file 2 of The Effect of Probiotic Supplementation on Cytokine Modulation in Athletes After a Bout of Exercise: A Systematic Review and Meta-Analysis	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-05583	Advances in Badminton Footwear Design: A Systematic Review of Biomechanical and Performance Implications	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app15137066	NR
MR-05586	Advancing Sport Biomechanics with Depth Cameras: Systematic Review of Current Applications and Future Directions	2025	IMG; AI; PSM	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2478/ijcss-2025-0009	NR
MR-05595	An exploration of the acute response of the asymptomatic Achilles tendon to exercise using diagnostic ultrasound. A systematic review of cohort studies	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jsams.2024.11.005	39638681
MR-05597	Analysis of the kinematic pattern of free throw by wheelchair basketball athletes: a systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0317495	39913631
MR-05601	Application of Artificial Intelligence in Team Sports Talent Identification: A Systematic Literature Review	2025	AI	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-01718; not prioritized because it did not add sufficient complementary scope.	10.1145/3723936.3724003	NR
MR-05611	Article RETRACTED due to manipulation by the authors A systematic review and meta-analysis of the impact of muscle fatigue on the biomechanics of joint range of motion (ROM) in badminton; [Article RETRACTED due to manipulation by the authors Revisión sistemática y metanálisis del efecto de la fatiga muscular sobre la biomecánica del rango de movimiento articular (ROM) en el bádminton]	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.47197/retos.v62.109441	NR

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05613	Artificial Intelligence in Endurance Sports: Metabolic, Recovery, and Nutritional Perspectives	2025	GEN; DIG; AI	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/nu17203209	41156462
MR-05615	Artificial Intelligence in Sport Management: A Systematic Review, Scale Development and Validation, and Implications	2025	AI	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	NR	NR
MR-05616	Artificial Intelligence in Sports Science: A Systematic Review on Performance Optimization, Injury Prevention, and Rehabilitation	2025	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.23950/jcmk/16412	NR
MR-05618	Artificial neural networks for prevention of sports injuries: a systematic review	2025	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11332-025-01504-9	NR
MR-05621	Assessment Methods of Sport-Induced Neuromuscular Fatigue: A Scoping Review	2025	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.26603/001c.141230	NR
MR-05625	Assessment of the neuromuscular characteristics of the flexo-extension muscles of knee by tensiomyography in elite soccer players: a systematic review.	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2025.1610094	41059219
MR-05627	Association Between the c.34C > T (rs17602729) Polymorphism of the AMPD1 Gene and the Status of Endurance and Power Athletes: A Systematic Review and Meta-Analysis	2025	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-025-02202-9	40332645
MR-05635	Associations Between Lactate Thresholds and 2000 m Rowing Ergometer Performance: Implications for Prediction-A Systematic Review	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-024-00796-4	40019691

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MR-05637	Athlete monitoring in handball (ATHMON HB): a systematic review protocol	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13643-025-02806-2	40089750
MR-05650	Biomechanical alteration in table tennis and tennis sports players: a systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11332-025-01437-3	NR
MR-05653	Biomechanical Analysis for Enhancing Rowing Performance: A Systematic Review	2025	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-05654	Biomechanical analysis of key movements in floor gymnastics and their impact on injury risk – a systematic review; [Analiza biomechaniczna kluczowych ruchów w gimnastyce na podłodze i ich wpływ na ryzyko kontuzji – przegląd systematyczny]	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.56984/8zg007dr7ot	NR
MR-05655	Biomechanical Assessment Tools for Injury Risk Prediction and Return-to-Sport Evaluation in Athletes: A Systematic Review	2025	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.7759/cureus.93210	41141101
MR-05659	Biomechanical, Physiological and Anthropometric Determinants of Backstroke Swimming Performance: A Systematic Review	2025	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-025-00868-z	40483624
MR-05674	Can coenzyme Q10 supplementation reduce exercise-induced muscle damage and oxidative stress in athletes? A systematic review and meta-analysis	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.ctcp.2025.102001	40367843
MR-05676	Can MRI predict return to sport after anterior cruciate ligament reconstruction? A systematic review of the literature	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11547-025-01973-5	40063165

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MR-05679	Candidate gene polymorphisms and power athlete status: a meta-analytical approach	2025	GEN	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-01529; not prioritized because it did not add sufficient complementary scope.	10.1007/s13105-025-01071-0	40055285
MR-05685	Changes in running biomechanics in master runners over age 50: a systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/14763141.2023.2226139	37350475
MR-05693	Clinical utility of diffusion tensor imaging in sport-related concussion: a systematic review	2025	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1093/bjro/tzaf024	41126936
MR-05697	Cold Water Immersion, Heart Rate Variability and Post-Exercise Recovery: A Systematic Review	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1002/pri.70033	39918163
MR-05700	Comment on: A Systematic Review and Meta-Analysis of the Association Between ACTN3 R577X Genotypes and Performance in Endurance Versus Power Athletes and Non-Athletes	2025	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-025-00874-1	40456975
MR-05709	Comparing the Effects of Integrative Neuromuscular Training and Traditional Physical Fitness Training on Physical Performance Outcomes in Young Athletes: A Systematic Review and Meta-Analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-025-00811-2	39921710
MR-05718	Concurrent validity and reliability of global positioning systems for measuring intense running and peak speed performance: a systematic review; [Gleichzeitige Validität und Reliabilität globaler Positionierungssysteme zur Messung intensiver Lauf- und Höchstgeschwindigkeitsleistungen: ein systematischer Review]	2025	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s12662-025-01023-2	NR

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05721	Contractile and mechanical properties of hamstring muscles measured by the method of tensiomyography (TMG) in professional soccer players: A systematic review, meta-analysis and meta-regression	2025	IMG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-05884; not prioritized because it did not add sufficient complementary scope.	10.1371/journal.pone.0315812	40036280
MR-05726	Correlation Between the Oral Microbiota and Sports Practice: A Systematic Review	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7759/cureus.78168	40026959
MR-05730	Current biomechanical methods and practices of physical training load monitoring in women's artistic gymnastics: A scoping review	2025	DIG; IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1080/02640414.2025.2528442	40607678
MR-05742	Detection of Foot Contact Using Inertial Measurement Units in Sports Movements: A Systematic Review	2025	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app151810250	NR
MR-05757	Does caffeine intake enhance physical and physiological performance in swimmers? a systematic review and meta-analysis	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2025.1648862	41425161
MR-05762	Does the use of sports mouthguards influence salivary parameters and oral health indices? A systematic review.	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1038/s41432-025-01129-4	40000884
MR-05766	ECG Screening in Athletes: A Systematic Review of Sport, Age, and Gender Variations	2025	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.31083/rcm38209	40475715
MR-05776	Effect of high vs. low volume of the nordic hamstring curl on hamstring muscle architecture and eccentric strength in soccer players: a systematic review and meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2025.1631205	41178985

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MR-05785	Effect of resistance training on kinetic and kinematic indicators in jump athletes: a systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-025-01249-5	40702534
MR-05797	Effectiveness of Neuromuscular Training in Preventing Lower Limb Soccer Injuries: A Systematic Review and Meta-Analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/jcm14051714	40095804
MR-05801	Effectiveness of step-count monitoring interventions in increasing physical activity among children and adolescents: A systematic review and meta-analysis	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/20552076251374249	40918079
MR-05804	Effects of acute exercise or short-term exercise interventions on metabolic markers during experimentally-induced sleep loss in humans: A systematic literature review	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jshs.2025.101044	40280326
MR-05805	"Effects of ankle orthoses on postural balance and gait parameters in athletes with ankle injuries: A systematic review"	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.ptsp.2025.09.005	41027186
MR-05814	Effects of different antioxidants on exercise-induced oxidative stress and muscle damage in athletes: a systematic review and meta-analysis	2025	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-025-01381-2	41219818
MR-05818	Effects of Exercise Addiction and the COL1A1 Gene rs1800012 Polymorphism on Injury Susceptibility in Elite Female Volleyball Players	2025	GEN; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/genes16111300	41300752

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MR-05825	Effects of fatigue on physiological, physical fitness, and stroke performance related parameters in healthy tennis players: a systematic review and meta-analysis	2025	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2025.1578914	40365546
MR-05827	Effects of fungal supplementation on endurance, immune function, and hematological profiles in adult athletes: a systematic review and meta-analysis	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fnut.2025.1670416	41280379
MR-05837	Effects of menstrual cycle phases on athletic performance and related physiological outcomes: a systematic review of studies using high methodological standards	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1152/japphysiol.00223.2025	40695607
MR-05840	Effects of neuromuscular training on tennis players: a systematic review and meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-025-01219-x	40605097
MR-05845	Effects of Physical Training Programs on Healthy Athletes' Vertical Jump Height: A Systematic Review With Meta-Analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.52082/jssm.2025.236	40469865
MR-05849	Effects of plyometric training performed on different surfaces and with different types of footwear on the neuromuscular performance of team-sport athletes: A systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/biol sport.2025.150037	41048229
MR-05851	Effects of Polarized Training vs. Other Training Intensity Distribution Models on Physiological Variables and Endurance Performance in Different-Level Endurance Athletes: A Scoping Review	2025	DIG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1519/jsc.0000000000005033	39714232

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-05853	Effects of preferred music on internal load in adult recreational athletes: a systematic review and meta-analysis	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.23736/s0022-4707.24.16178-6	39817895
MR-05861	Effects of Single- Versus Multicomponent Neuromuscular Training on Balance Performance in Recreational Athletes: A Systematic Review and Network Meta-Analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/jsr.2024-0467	41110466
MR-05863	Effects of sodium bicarbonate on 200 m time trial performance and physiological responses in swimmers: a systematic review and meta-analysis of randomized controlled trials	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/15438627.2025.2456630	39841595
MR-05865	Effects of sport specific unplanned movements on ankle kinetics and kinematics in healthy athletes from systematic review with meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1038/s41598-025-18746-9	40940530
MR-05876	Efficacy of platelet-rich plasma injection for pain relief in injured athletes: a systematic review of randomized controlled trials	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.23736/s0022-4707.24.16572-3	39804336
MR-05884	Establishing reference values for tensiomyography-derived parameters in soccer players: insights from a systematic review, meta-analysis and meta-regression	2025	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.5114/biol sport.2025.139853	39758175
MR-05885	Ethical implications of artificial intelligence in sport: A systematic scoping review	2025	AI	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1016/j.jshs.2025.101047	40316133
MR-05891	Evaluation the Impact of Hormonal Fluctuations During the Menstrual Cycle on the Performance of Female Athletes-Systematic Review.	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/muscles4020015	40757558

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MR-05905	Exploring Sex Activity Impact on Biological Biomarkers and Athletic Parameters in Sexually and Physically Active Healthy Adults: A Systematic Review of Clinical Trials	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/physiologia5040045	NR
MR-05913	Fabrication of MXene-based wearable sensors and their applications in sports science; [MXene 基可穿戴传感器的制备及其在运动领域的应用]	2025	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.13801/j.cnki.fhclxb.20241105.002	NR
MR-05916	Fatigue and recovery time-course after women's futsal, handball, basketball, and volleyball matches: A systematic review	2025	MOL	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-03400; not prioritized because it did not add sufficient complementary scope.	10.1177/17479541251333922	NR
MR-05936	FROM WEARABLES TO AI: A SYSTEMATIC REVIEW OF DIGITAL TECHNOLOGIES FOR INJURY PREVENTION AND MANAGEMENT IN TEAM SPORTS; [OD NOSIVIH UREĐAJA DO UMJETNE INTELIGENCIJE: SISTEMSKI PREGLED DIGITALNIH TEHNOLOGIJA ZA PREVENCIJU I ZBRINJAVANJE OZLJEDA U TIMSKIM SPORTOVIMA]	2025	DIG; IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.69589/hsv.40.2.1	NR
MR-05942	Genetic Factors of Elite Wrestling Status: A Multi-Ethnic Comparative Study	2025	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/genes16080906	40869954
MR-05951	Harnessing Generative Artificial Intelligence for Exercise and Training Prescription: Applications and Implications in Sports and Physical Activity—A Systematic Literature Review	2025	GEN; DIG; IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app15073497	NR
MR-05955	Heart rate variability and overtraining in soccer players: A systematic review	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.14814/phy2.70357	40405528

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MR-05959	Hip Injuries in Dancer Athletes Due to Biomechanical Loading: A Systematic Review †	2025	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/engproc2024081005	NR
MR-05961	How are athletes trained to move? A systematic review exploring the effects of implicit and explicit learning on biomechanics of sport-specific tasks	2025	GEN; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jbiomech.2025.112671	40209584
MR-05972	Immunity, Inflammation and Airway Dysfunction in Elite Cross-Country Skiers and Ice Hockey Players: A Systematic Review	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1111/sms.70046	40223161
MR-05973	Impact of ACTN3 R577X Polymorphism on Muscle Damage Susceptibility Following Aerobic or Strength Exercises: A Systematic Review	2025	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.4103/ijpvm.ijpvm_268_24	40520034
MR-05990	Inconsistent Effects of Experience on Running Biomechanics May be Influenced by Study Heterogeneity and Classification Criteria: a Systematic Review and Proposal of a Revised Taxonomy	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-025-00870-5	NR
MR-06001	Influence of time-of-day on neuromuscular performance in team sport athletes: a systematic review and meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2024.1466050	39896341
MR-06006	Infrared Imaging and Deep Learning in Sports: A Comprehensive Review of Applications in Performance Enhancement and Injury Prevention	2025	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/978-3-031-88223-4_9	NR

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MR-06015	Internal and External Load Monitoring Tools Used in Hurling, Camogie, Gaelic Football and Ladies Gaelic Football: A Systematic Review	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s42978-024-00291-y	NR
MR-06018	Iron deficiency, supplementation, and sports performance in female athletes: A systematic review	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jshs.2024.101009	39536912
MR-06026	Jones fractures in elite athletes- 2025 international foot and ankle sports consensus and systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1002/ksa.70241	41451757
MR-06030	Kinematic and kinetic characteristics of individuals with coping lateral ankle sprain during landing and walking/running tasks: A systematic review with meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.clinbiomech.2025.106437	39854850
MR-06031	Kinetic Variables as Indicators of Lower Limb Indirect Injury Risk in Professional Soccer: A Systematic Review	2025	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/jfmk10020228	40566478
MR-06034	Leveraging artificial intelligence and machine learning in sport sciences: a systematic literature review of applications, outcomes, and future directions	2025	DIG; IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11332-025-01482-y	NR
MR-06043	Machine Learning in Physical Education, Sports, and Recreation: Opportunities, Challenges, and Ethical Considerations – A Systematic Review; [Aprendizaje Automático en Educación Física, Deportes y Recreación: Oportunidades, Desafíos y Consideraciones Éticas – Una Revisión Sistemática]	2025	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.56294/saludcyt20252251	NR

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MR-06046	Mapping football tactical behavior and collective dynamics with artificial intelligence: a systematic review	2025	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2025.1569155	40521408
MR-06060	Methods of body composition measurements in amputee athletes: a systematic review; [Métodos de medición de la composición corporal en deportistas amputados: revisión sistemática]	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.47197/retos.v66.107971	NR
MR-06062	Modifiable risk factors for lower-extremity injury: a systematic review and meta-analysis for the Female, woman and/or girl Athlete Injury pRevention (FAIR) consensus	2025	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1136/bjsports-2025-109902	40908104
MR-06066	Monitoring the Mental Health of Athletes During the Month of Ramadan; [Surveillance de la santé mentale des athlètes durant le mois de Ramadan]	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.62438/tunismed.v103i7.5823	41741339
MR-06071	Muscle biomarkers of physiological stress in competitive sports practice: a systematic review; [Biomarcadores musculares de estresse fisiológico na prática esportiva de competição: uma revisão sistemática]	2025	MOL	Included in principal corpus	Selected for principal evidence corpus.	10.47197/retos.v63.110055	NR
MR-06072	Muscle regeneration and increased muscle mass in athletes under the modulation of microRNAs and exosomes: a systematic review	2025	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.54448/ijn25s405	NR
MR-06082	NEUROMUSCULAR CONDITIONING TECHNIQUES FOR ENHANCING EXPLOSIVE PERFORMANCE IN FOOTBALL PLAYERS: A SYSTEMATIC REVIEW; [TÉCNICAS DE ACONDICIONAMIENTO NEUROMUSCULAR PARA MEJORAR EL RENDIMIENTO EXPLOSIVO EN JUGADORES DE FÚTBOL: UNA REVISIÓN SISTEMÁTICA]	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.12800/ccd.v20i66.2226	NR

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MR-06083	Neuromuscular Performance of High-Level Football Goalkeepers by Age Category and Sex: A Systematic Review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/jfmk10040398	41133588
MR-06084	Neuromuscular training for preventing knee injuries in female team athletes: a meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/07853890.2025.2581891	41175154
MR-06092	Nutrological triggers of muscle regeneration in athletes under modulation and gene expression of microRNAs and exosomes: a systematic review	2025	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.54448/ijn25202	NR
MR-06117	Physical and Biomechanical Relationships with Countermovement Jump Performance in Team Sports: Implications for Athletic Development and Injury Risk	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/sports13080277	40863786
MR-06120	Physical Performance and Sports Genetics: A Systematic Review of Candidate Gene Polymorphisms Involved in Team Sports	2025	GEN; AI; PSM	Included in principal corpus	Selected for principal evidence corpus.	10.3390/genes16091079	41010024
MR-06131	Playing style identification in team sports: A systematic review from statistical dimensionality reduction to unsupervised machine learning	2025	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541251372586	NR
MR-06140	Prediction of success in sports based on assumed individual genetic predisposition: lack of association with the C > T variant in the ACTN3 gene	2025	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40101-025-00386-7	39953630
MR-06141	Predictive models of injury risk in male professional football players: a systematic review	2025	GEN; DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/ip-2024-045322	39721730

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-06151	Prevention strategies and modifiable risk factors for spine, chest, abdominal and/or pelvic injury and pain: a systematic review and meta-analysis for the Female, woman and/or girl Athlete Injury pRevention (FAIR) consensus	2025	DIG	Included in principal corpus	Selected for principal evidence corpus.	10.1136/bjsports-2025-109900	40889819
MR-06152	Prevention strategies and modifiable risk factors for upper extremity injury: a systematic review and meta-analysis for the Female, woman and/or girl Athlete Injury pRevention (FAIR) consensus	2025	DIG	Included in principal corpus	Selected for principal evidence corpus.	10.1136/bjsports-2025-109907	41135970
MR-06167	Quantification of internal and external loading in elite women's basketball. A systematic review; [Cuantificación de la carga interna y externa en el baloncesto femenino de élite. Una revisión sistemática]	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.17398/1885-7019.21.447	NR
MR-06179	Reliability and validity of lower extremity and trunk kinematics measured with markerless motion capture during sports-related and functional tasks: A systematic review	2025	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2025.2518359	40526450
MR-06183	Reliability of isometric mid-thigh pull for maximal strength testing in youth athletes: A systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541251351840	NR
MR-06191	Return to Sport After Ulnar Collateral Ligament Tears Treated with Platelet-Rich Plasma Injections is Influenced by Length of Rehabilitation and Leukocyte Content of Injections: A Systematic Review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.arthro.2024.03.017	38508288
MR-06205	Salivary biomarkers of tactical athlete readiness: A systematic review	2025	MOL	Included in principal corpus	Selected for principal evidence corpus.	10.1371/journal.pone.0321223	40299918
MR-06209	Sensor-based technologies for motion analysis in sports injuries: a scoping review	2025	DIG; IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1186/s13102-025-01063-z	39885587

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-06216	Shaping Training Load, Technical-Tactical Behaviour, and Well-Being in Football: A Systematic Review	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/sports13080244	40863753
MR-06223	Single Nucleotide Polymorphisms and Tendon/Ligament Injuries in Athletes: A Systematic Review and Meta-analysis	2025	GEN	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-04645; not prioritized because it did not add sufficient complementary scope.	10.1055/a-2419-4359	39437988
MR-06226	Sleep Quality and Specific Characteristics of Different Types of Impairments in Paralympic Athletes: an Updated Systematic Review	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40675-025-00351-x	NR
MR-06234	Sport climbing performance determinants and functional testing methods: A systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jshs.2024.100974	39216626
MR-06241	STRENGTH TRAINING TO REDUCE BIOMECHANICAL RISK FACTORS FOR ACL INJURIES IN ATHLETES: A SYSTEMATIC REVIEW AND META-ANALYSIS	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.26582/k.57.1.5	NR
MR-06250	Systematic review of motion capture in virtual reality: Enhancing the precision of sports training	2025	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3233/ais-230198	NR
MR-06259	Tensiomyography, functional movement screen and counter movement jump for the assessment of injury risk in sport: a systematic review of original studies of diagnostic tests	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2025.1565900	40134902
MR-06262	The application of artificial intelligence techniques in predicting game outcomes of professional basketball league: A systematic review	2025	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0326326	40569911

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MR-06263	The Application of Deep Learning Human Pose Estimation in Sport: A Systematic Review	2025	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-025-00953-3	41369858
MR-06271	The Correlations Between Training Load Parameters and Physical Performance Adaptations in Team Sports: A Systematic Review and Meta-analysis	2025	MOL; DIG; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1186/s40798-025-00952-4	41381923
MR-06283	The effect of genetic polymorphism on the performance of competitive swimmers: a systematic review	2025	GEN	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	NR	NR
MR-06287	The Effect of Integrative Neuromuscular Training on Enhancing Athletic Performance: A Systematic Review and Meta-Analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/life15081183	40868831
MR-06293	The Effect of Probiotic Supplementation on Cytokine Modulation in Athletes After a Bout of Exercise: A Systematic Review and Meta-Analysis	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-025-00860-7	40402402
MR-06302	The effects of balance training on physical fitness and skill-related performance in basketball players: a systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-025-01164-9	40312426
MR-06303	The effects of blood flow restriction combined with resistance training on lower limb strength, muscle hypertrophy, jumping ability, and sprint speed in athletes: a systematic review and meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2025.1612685	40800729
MR-06311	The effects of foot core exercises and minimalist footwear on foot muscle sizes, foot strength, and biomechanics: A systematic review and meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.clinbiomech.2024.106417	39709752

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MR-06315	The effects of instability training on balance and jump performance in athletes: A systematic review and meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.14814/phy2.70650	41229270
MR-06322	The effects of recovery techniques on clinical outcomes and biomarkers after running: A systematic review with meta-analysis.	2025	MOL	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	10.1016/j.jbmt.2025.06.034	41316567
MR-06335	The Impact of Electromyostimulation on Strength, Recovery, and Performance in Soccer Athletes: A Systematic Review	2025	GEN; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app15147950	NR
MR-06342	The Impact of the FIFA 11+ Neuromuscular Training Programme on Ankle Injury Reduction in Football Players: A Systematic Review and Meta-Analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/muscles4030030	40843917
MR-06351	The Official Journal of the International Society for Comparative Physical Education and Sport:Re-examiningAthletes' Stress-Burnout Relationship:A Systematic Review and Meta-Analysis	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.69665/iss.v47i2.102	NR
MR-06355	The preventive effects of neuromuscular training on lower extremity sports injuries in adolescent and young athletes: a systematic review and meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.knee.2025.06.008	40618548
MR-06357	THE RELATIONSHIP BETWEEN SLEEP QUALITY AND ATHLETIC PERFORMANCE IN ELITE SOCCER PLAYERS: A CASE STUDY	2025	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.15366/rimcafd2025.99.025	NR
MR-06360	The risk of all-cause injury and site-specific injury in athletes after concussion: a systematic review and meta-analysis	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-025-01485-9	41402865

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-06362	The Role of Artificial Intelligence in Sports Analytics: A Systematic Review and Meta-Analysis of Performance Trends	2025	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app15137254	NR
MR-06378	The Use of Machine Learning in Sports Performance: A Systematic Review	2025	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1249/tjx.0000000000000304	NR
MR-06382	Time Series Prediction for Cycling Sport Performance Through a Machine Learning Predictor	2025	AI	Included in principal corpus	Selected for principal evidence corpus.	10.47836/pjst.33.6.13	NR
MR-06399	Troponin I and Cardiac Remodeling in Male Basketball Players: An Integrated Strategy for Sudden Cardiac Death Risk Using ECG, Imaging, and Biomarkers - A Systematic Review and Meta-Analysis	2025	MOL; DiG	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	10.1161/circ.152.suppl_3.4366596	NR
MR-06405	Unlocking the Impact: A Systematic Review and Meta-Analysis of Biomechanical Insights into Rugby Head Impacts Using Wearable Sensor Technology	2025	DiG; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s40279-025-02228-z	40319225
MR-06415	Using Force Plates to Monitor the Recovery of Vertical Jump Performance After Strenuous Exercise: A Systematic Review and Meta-Analysis.	2025	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.3390/jfmk10020230	40566480
MR-06417	Using neuroimaging to identify sex differences in adults with sports-related concussion: a systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11682-025-00970-6	39853628
MR-06419	Utilizing machine learning algorithms for personalized workout recommendations and monitoring: A systematic review on smartwatch-assisted exercise prescription	2025	DiG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/20552076251355365	40918076
MR-06422	Validity and Reliability of Flywheel Resistance Technology as an Assessment Method and Its Association With Sports Performance and Asymmetry: A Systematic Review	2025	DiG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1519/jsc.0000000000005146	40686246

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MR-06434	Wearing Compression Socks During Running Does Not Change Physiological, Running Performance, and Perceptual Outcomes: A Systematic Review With Meta-Analysis	2025	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/jsr.2024-0410	40204277
MR-06436	What biomechanical parameters are related to drag-flick performance in field hockey? A systematic review	2025	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/14763141.2023.2212648	37227255
MR-06450	A Comprehensive Systematic Review and Meta-Analysis of Isoinertial Flywheel vs. Traditional Resistance Training on Strength, Power, Speed, and Agility in Team Sports	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02701367.2026.2662550	42274465
MR-06452	A Longitudinal Evaluation of Bone Mineral Density Across a Macrocycle in Highly Trained Female Athletes: A Systematic Review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/sports14040162	42043094
MR-06457	A scoping review of force plates in female soccer: The utility, existing practice and identification of knowledge Gaps	2026	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1371/journal.pone.0351121	42296127
MR-06459	A systematic review and meta-analysis of the evidence on the acute effects of caffeine on sport-specific skills, physical performance, and physiological function in female basketball players	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fnut.2026.1766993	41809105
MR-06489	Age-related differences in the effectiveness of neuromuscular training for preventing anterior cruciate ligament injuries in athletes: a systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fpubh.2026.1801019	42273628
MR-06499	Application of Artificial Intelligence for Predicting Sports Injuries and Customizing Personalized Prevention Strategies: A Scoping Review	2026	DIG; IMG; AI	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/bioengineering13060692	NR

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MR-06503	Are running biomechanics different between females and males with knee injuries? A systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.gaitpost.2026.110187	41980350
MR-06504	Are Specific Performance Factors Influenced by Stress-Related Sleep Disturbances in Basketball Players? A PRISMA-Guided Descriptive and Qualitative Systematic Review	2026	GEN; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app16041787	NR
MR-06513	Artificial intelligence in sport sciences: A systematic review of models and methods; [Künstliche Intelligenz in der Sportwissenschaft: Ein systematischer Überblick über Modelle und Methoden]	2026	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.orthtr.2025.08.001	NR
MR-06514	Artificial intelligence in sports: A systematic review of performance and injury prevention	2026	DIG; IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541261450376	NR
MR-06518	Assessment of recovery in young soccer players: a systematic review of technological tools and artificial intelligence applications	2026	DIG; IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11332-026-01805-7	NR
MR-06519	Assessment of the Heart Rate Deflection Point in Athletes for a Non-Invasive Determination of the Anaerobic Threshold: A Systematic Review	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s42978-025-00328-w	NR
MR-06521	Association Between Physical Activity, Heart Rate Variability and Major Depressive Disorders: An Umbrella Review	2026	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-025-02365-5	41639538

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MR-06522	Association between the PPARGC1A Gly482Ser (rs8192678) polymorphism and endurance and power athlete status: a systematic review and meta-analysis	2026	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2025.1733458	41574190
MR-06523	Association of Cognition-Related Genetic Polymorphisms with Elite Athlete Status: A Meta-Analysis	2026	GEN; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.3390/genes17040435	42074552
MR-06524	Associations between accelerometer-measured physical activity and sleep duration and health indicators in children and adolescents with attention-deficit hyperactivity disorder: A systematic review and meta-analysis	2026	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jesf.2025.200429	41333970
MR-06527	BALANCING THE COURT: A SYSTEMATIC REVIEW OF TRAINING LOAD DYNAMICS AND INJURY RISK IN BASKETBALL	2026	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.26582/k.58.1.4	NR
MR-06530	Beyond the conventional: Artificial intelligence in identifying risk factors in sports injuries. A scoping review	2026	AI	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1016/j.ijmedinf.2026.106408	41880916
MR-06531	Biochemical Responses to Experimentally Induced Short-Term Low Energy Availability in Athletes: A Systematic Review	2026	MOL	Included in principal corpus	Selected for principal evidence corpus.	10.1111/sms.70249	41794545
MR-06532	Biological and Race Strategy Characteristics Investigated in Elite Endurance Track Running: A Systematic Review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-026-02475-8	42423935
MR-06536	Biomechanical risk factors for badminton injuries: a systematic review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/15438627.2026.2680707	42217216

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MR-06539	Blood flow restriction therapy with open- and closed-kinetic chain exercises for return to sport after ACL reconstruction: An evidence synthesis-based review; [Blutflussrestriktionstherapie mit Übungen in offenen und geschlossenen kinetischen Ketten zur Gewährleistung einer Rückkehr zum Sport nach Rekonstruktion des vorderen Kreuzbandes: Ein evidenzbasierter Review]	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.orthtr.2026.02.006	NR
MR-06544	Brain MRI findings associated with soccer heading: a systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s00234-026-04040-6	42185636
MR-06552	Cardiovascular monitoring in sports via wearable PPG: a review on applications, accuracy challenges, and future opportunities	2026	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1108/sr-07-2025-0499	NR
MR-06555	Clinical applications of wearable sensor-based gait analysis in athletes: a systematic review for injury prevention and rehabilitation	2026	DIG; IMG	Included in principal corpus	Selected for principal evidence corpus.	10.1186/s13102-026-01564-5	41620629
MR-06564	Commercial Sports Analytics Platforms and the Path Toward Contextual Decision Intelligence: A Systematic Review	2026	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1109/iciicds70526.2026.11604955	NR
MR-06582	Comparisons of machine learning models to logistic regression in orthopedic sports medicine are confounded by methodological heterogeneity: a systematic review and meta-analysis	2026	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.jisako.2026.101088	41747825
MR-06594	Correction: Salivary biomarkers of tactical athlete readiness: A systematic review	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0353341	42412865

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MR-06596	Creatine Supplementation in Endurance and Mixed-Sport Contexts: A Scoping Review of Performance, Recovery, and Body Composition	2026	MOL	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/nu18111677	42280321
MR-06616	Do Long-Haul Travel and Jet Lag Affect Athletes' Physiological, Humoral and Performance Outcomes? A Systematic Narrative Review	2026	MOL; DIG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/sports14030093	41893584
MR-06633	Effect of Hamstring Exercises on Morphological Parameters of the Hamstring Muscle: A Systematic Review With MRI and USI Findings	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/19417381261463404	42460513
MR-06636	Effect of neuromuscular training strategies on injury rates in adolescent males playing sport - a systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.pts.2026.101904	41780148
MR-06656	Effects of acute caffeine supplementation on physical, physiological, and sport-specific performance in female volleyball players: a systematic review and three-level meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fnut.2026.1880118	42488219
MR-06657	Effects of anterior cruciate ligament reconstruction on running biomechanics: a systematic review with meta-analysis of cross-sectional studies	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11332-026-01700-1	NR
MR-06669	Effects of blood flow restriction training combined with resistance training on lower-limb strength and sport-specific performance in athletes: a systematic review and meta-analysis	2026	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/07853890.2026.2658885	42366542
MR-06676	Effects of Curcumin Supplementation on Exercise Recovery, Oxidative Stress, Inflammation, Muscle Damage, and Performance in Exercise and Sport Contexts: A Systematic Review	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/nu18121992	42356379

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-06679	Effects of dry needling on recovery, neuromuscular function, and injury outcomes in sports athletes: a systematic review targeting the neck and related regions	2026	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fpubh.2026.1813780	42052014
MR-06687	Effects of Integrative Neuromuscular Training on Balance Performance in Female Athletes: A Systematic Review and Multilevel Meta-Analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	NR	NR
MR-06688	Effects of integrative neuromuscular training on physical fitness and sport-specific performance in football players: A systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/10538127261417735	41662188
MR-06689	Effects of Integrative Neuromuscular Training on Physical Performance in Adolescent Soccer Players: A Systematic Review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7575/aiac.ijkss.v.14n.1p.49	NR
MR-06693	Effects of Neuromuscular Training on Athletes' Balance Ability: A Meta-Analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-025-02335-x	41144223
MR-06694	Effects of neuromuscular training on physical and tennis-specific performance in youth and young adult male tennis players: A systematic review and meta-analysis	2026	IMG	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	10.1371/journal.pone.0355297	42555628
MR-06695	Effects of neuromuscular training on stability in volleyball athletes: a systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2025.1724934	41602798
MR-06696	Effects of neuromuscular warm-up on athletes' change-of-direction performance and knee isokinetic muscle strength: a systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2026.1750821	41940018

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-06698	Effects of Omega-3 Supplementation on Inflammation and Recovery in Sports: A Meta-Analysis	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1096/fj.202504783r	41891174
MR-06699	Effects of percutaneous platelet-rich plasma injection on return-to-play after acute hamstring muscle injury: systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1136/bjsports-2025-110683	41708276
MR-06705	Effects of post-exercise hot and cold-water immersion on performance recovery and physiological markers in athletes: a systematic review	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2026.1794029	42491492
MR-06706	Effects of probiotic supplementation on immune and inflammatory markers in athletes: an umbrella review and re-analysis of published meta-analyses of randomised controlled trials	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7717/peerj.20809	41773190
MR-06714	Effects of swinging exercise on immune biomarkers: a systematic review and meta-analysis with machine learning-based identification of responder profiles	2026	MOL; AI; PSM	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2025.1694645	41815327
MR-06720	Effects of Various Exercise Interventions on Sprint Performance and Jump Height in Soccer Players: A Systematic Review and Network Meta-Analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.52082/jssm.2026.405	42318269
MR-06721	Effects of Whole-Body Electromyostimulation on Jumping, Sprinting and Agility Performance in Sportspeople and Athletes: Systematic Review and Meta-Analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/jfmk11010033	41562751

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MR-06727	Efficacy of neuromuscular training for enhancing postural stability in young athletes: a systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2026.1827904	42255523
MR-06732	Emerging sports footwear technologies and their effects on running economy, biomechanics, and performance: a systematic review	2026	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-026-01721-w	42071214
MR-06754	EXERCISE-INDUCED CHANGES IN CREATINE KINASE: A SYSTEMATIC REVIEW; [Зміни креатинкінази, викликані фізичними вправами: систематичний огляд.]	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.26641/2307-0404.2026.1.356970	NR
MR-06764	Exploring the Gut Microbiome in Combat Sports: A Systematic Scoping Review	2026	MOL	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/sports14010019	41590961
MR-06770	FIFA neuromuscular training programs on ankle injuries in football players: A meta-analysis with emphasis on evidence gaps	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.fas.2025.10.005	41073236
MR-06777	From acute responses to long-term monitoring: a scoping review of the reliability and validity of biomechanical and physiological assessment tools in elite and highly trained swimmers	2026	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1186/s13102-026-01688-8	41998691
MR-06778	From data to prevention: A systematic review of artificial intelligence applications in sports injury prediction	2026	DIG; IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/09287329261455797	42274208
MR-06779	From injury to comeback: A systematic review of machine learning models predicting return to sport in athletes	2026	AI	Included in principal corpus	Selected for principal evidence corpus.	10.1177/20552076251408523	41509871

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MR-06780	Functional and biomechanical adaptations in taekwondo athletes following plyometric training: a systematic review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s11332-026-01892-6	NR
MR-06781	Functional Asymmetries in Youth Soccer Players: A Systematic Review of Assessment Technologies and Artificial Intelligence Applications; [Функціональні асиметрії у юних футболістів: систематичний огляд технологій оцінювання та застосування штучного інтелекту]	2026	DIG; IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.17309/tmfv.2026.1.03	NR
MR-06782	Functional Biomechanical Tests of the Foot and Ankle in Physiotherapy and Sports-Outcome Measures, Wearable Sensor Integration, and Psychometric Properties: A Systematic Review	2026	IMG	Included in principal corpus	Selected for principal evidence corpus.	10.3390/jcm15103892	42194853
MR-06786	Gait Retraining for Patellofemoral Pain in Runners: An Umbrella Review of Clinical and Biomechanical Evidence	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-026-01051-8	42295581
MR-06787	Gait Retraining with Realtime Feedback May Reduce Pain and Improve Function in Runners: A Systematic Review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s42978-026-00378-8	NR
MR-06791	Genes and Injuries in Sports: A Systematic Review and Meta-Analysis	2026	GEN; MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.5114/jhk/218951	42051621
MR-06804	Hamstring strength assessment methods in sport: A systematic review and meta-analysis of post-activity strength decrements, asymmetry benchmarks, and measurement reliability	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1371/journal.pone.0352509	42479771

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MR-06806	Head Impact Exposure Across Levels of Play in American Football: A Systematic Review of Accelerometer Data	2026	DIG	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	10.1177/2689288x261429849	42559270
MR-06813	How Valid Are Wearable Devices in Team Sports? A Systematic Review	2026	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/sports14070264	42506806
MR-06814	Human digital twins in sports and rehabilitation: a systematic review	2026	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/0144929x.2026.2660222	NR
MR-06821	Implementation effectiveness, barriers, and real-world outcomes of neuromuscular training programs for ACL injury prevention in female athletes: systematic review with narrative synthesis using SWiM framework	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fpubh.2026.1743075	41815969
MR-06823	Inflammatory responses in male soccer players following a single match and between consecutive matches: A systematic review	2026	MOL; DIG	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-03400; not prioritized because it did not add sufficient complementary scope.	10.1177/17479541251370859	NR
MR-06824	Influence of Menstrual Cycle Phases on Muscle Activation in Women: A Systematic Review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app16052579	NR
MR-06827	Infrared thermography to assess fatigue, injury risk factors and recovery in soccer: a systematic review of original studies	2026	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2026.1835464	42394835
MR-06829	Injury Prediction and Risk Modelling in Team Sports Using Artificial Intelligence and Sensor-Based Monitoring: A Scoping Review	2026	DIG; AI	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/jfmk11020204	NR
MR-06833	Integrating multimodal AI technologies for sports injury prediction and rehabilitation: Systematic review	2026	DIG; IMG; AI	Included in principal corpus	Selected for principal evidence corpus.	10.55860/w6j5wc21	NR

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-06834	Integrative neuromuscular training on static and dynamic balance in team sport athletes: a systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-025-01517-4	41593704
MR-06838	Isokinetic profiling of knee extensors and flexors strength among Soccer players in three field positions: A meta-Analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/09593020261436182	NR
MR-06841	Kinesiology taping and lower limb muscle activation: a systematic review and meta-analysis in athletes and healthy adults	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.23829/tss.2026.33.1-1	NR
MR-06850	Lower-Limb Biomechanical Adaptations to Exercise-Induced Fatigue During Running: A Systematic Review of Injury-Relevant Mechanical Changes	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/life16020272	41752909
MR-06851	Machine Learning and Non-Invasive Monitoring Technologies for Training Load Management in Women's Volleyball: A Scoping Review	2026	DIG; IMG; AI	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/sports14020074	NR
MR-06852	Machine Learning Applications for In-School Physical Activity Data Using IMUs in Children and Adolescents: A Systematic Review for Health Promotion.	2026	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/21501319261431024	41966755
MR-06853	Machine Learning Applications in Non-Contact Lower Limb Sports Injury Prediction: A Systematic Review	2026	AI	Included in principal corpus	Selected for principal evidence corpus.	10.52082/jssm.2026.172	41710437
MR-06854	Machine learning models for injury risk prediction in football players: A systematic review of predictors, performance, practical applications, and limitations	2026	DIG; IMG; AI	Included in principal corpus	Selected for principal evidence corpus.	10.1177/03000605261469442	42478081

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MR-06861	Mechanisms, Injury Patterns and Biomechanical Factors of Anterior Cruciate Ligament Injuries in Football (Soccer): A Systematic Review and Meta-Analysis of Video-Analysis Studies	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-025-02345-9	41565902
MR-06862	Mechanisms, injury patterns, and kinematic features of hamstring strain injuries in football (soccer): a systematic review and meta-analysis of video-analysis studies	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fpubh.2026.1846524	42254608
MR-06882	MRI Features of Acute Muscle Injuries in Professional Soccer Players: A Systematic Review of Prognostic Associations With Return to Play	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2214/ajr.25.33710	41222245
MR-06886	Muscle, Neuromuscular, and Cardiac Damage in Trail Running: A Systematic Review	2026	MOL; DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/muscles5010009	41718076
MR-06894	Neural Efficiency and Sensorimotor Adaptations in Swimming Athletes: A Systematic Review of Neuroimaging and Cognitive-Behavioral Evidence for Performance and Wellbeing	2026	GEN; IMG; AI	Included in principal corpus	Selected for principal evidence corpus.	10.3390/brainsci16010116	41594837
MR-06898	Neuromuscular Assessment in Elite Female Basketball Players: A Systematic Review and Future Directions	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app16115413	NR
MR-06901	Neuromuscular training for preventing ankle joint injuries in athletes: a systematic review and meta-analysis	2026	IMG	Potentially eligible; insufficient information for principal-corpus prioritization	Title-level eligibility signal retained, but abstract-level detail was insufficient for priority selection.	10.3389/fphys.2026.1854319	42558293
MR-06902	Neuromuscular training to prevent ACL injuries in female athletes: a systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/15438627.2025.2572716	41121632

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MR-06907	Nutrigenetic Markers Related to Nutrient Metabolism, Recovery, and Performance in Athletes: a Review of Current Evidence	2026	GEN; MOL	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.1007/s13668-026-00783-z	42435109
MR-06920	Pedagogical and biomechanical aspects of injury prevention in sports with changing circumstances and coach training: a systematic review with bibliometric analysis; [Педагогические и биомеханические аспекты профилактики травматизма в видах спорта с изменяющейся обстановкой и подготовка тренеров: систематический обзор с библиометрическим анализом]; [Педагогічні та біомеханічні аспекти профілактики травматизму у видах спорту з мінливими обставинами і підготовка тренерів: систематичний огляд з бібліометричним аналізом]	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.58962/hsr.2026.1328	NR
MR-06924	Performance prediction of elite athletes: A systematic review of current methods	2026	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1117/12.3103441	NR
MR-06932	Physiological load and breath-holding in artistic swimming: a scoping review establishing historical baselines and evidence gaps in the context of the 2022-2025 rule changes	2026	MOL; DIG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3389/fphys.2026.1855762	42394842
MR-06934	Plasma and salivary measures of testosterone and cortisol levels in basketball players under various games / training conditions, and nutritional strategies: an updated systematic review	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fphys.2025.1678971	41624013
MR-06935	Platelet-rich plasma in arthroscopic rotator cuff repair: a meta-analysis of biomaterial efficacy and future directions for personalized sports medicine	2026	PSM	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fbioe.2025.1665007	41659015
MR-06945	Predicting ACL injury risk in athletes: A systematic review of machine learning-based models	2026	DIG; AI	Included in principal corpus	Selected for principal evidence corpus.	10.1016/j.knee.2026.104581	42531926

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MR-06946	Predictive accuracy of machine learning and markerless gait analysis for return-to-sport following lower extremity injury: a systematic review and meta-analysis	2026	DIG; AI	Included in principal corpus	Selected for principal evidence corpus.	10.3389/fspor.2026.1862870	42382450
MR-06953	Preventive efficiency of neuromuscular training in reducing lower limb injuries among youth soccer athletes: a systematic review and meta-analysis of randomized controlled trials	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2026.1853354	42483571
MR-06954	Principal component analysis to understand basketball performance: A systematic review of key performance indicators, workload monitoring and physical fitness	2026	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541261459646	NR
MR-06956	Proposed Directions for Genetic Research on Athletic Performance in Korean Athletes; [한국스포츠선수들의 경기력 관련 유전자연구 방향성 제언]	2026	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.24985/kjss.2026.37.1.123	NR
MR-06960	Quantifying Workload and Injury Risk Among Cricket Fast Bowlers: A Systematic Review and Meta-Analysis	2026	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.7759/cureus.104847	41952944
MR-06968	Relationship between training load and injury risk in elite young male football players: A systematic review	2026	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/17479541261436798	NR
MR-06969	Relationships Between Strength, Sprinting and Muscle Architecture Capabilities in Sports Performance and Injury Prevention in Team Sports: Systematic Review	2026	GEN; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/app16042098	NR
MR-06985	Role of task-based functional MRI in the assessment of sports-related concussion: a systematic review	2026	MOL; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fneur.2026.1720290	41908289

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MR-06998	Sleep quality and training load as determinants of musculoskeletal injury risk in adolescent athletes: a systematic review and meta-analysis	2026	DIG	Included in principal corpus	Selected for principal evidence corpus.	10.1007/s11332-026-01809-3	NR
MR-07001	Socceromics: A Systematic Review of Omics Technologies to Optimize Performance and Health in Soccer	2026	GEN; MOL; PSM	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/ijms27020749	41596414
MR-07004	Sport performance in virtual worlds: a systematic review of sport simulation in neurological paralympic athletes and non-athlete populations	2026	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-025-01509-4	41519819
MR-07007	Sprint Biomechanics Associated With Hamstring Strain Injury in Football: A Systematic Review and Mechanistic Synthesis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.33607/rmske.v1i34.2279	NR
MR-07010	Study of the association of rs4646994 ACE gene and rs2070744 NOS3 gene polymorphisms with left ventricular remodeling and exercise-induced hypertension in professional athletes (review); [Изучение ассоциации полиморфизмов rs4646994 гена ACE и rs2070744 гена NOS3 с ремоделированием левого желудочка и гипертензивной реакции на физическую нагрузку у профессиональных спортсменов (обзор литературы)]	2026	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.15829/1560-4071-2026-6471	NR
MR-07018	Systematic review on machine learning applications in Paralympic sports: current practice and future research	2026	IMG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/17483107.2026.2664014	42052658
MR-07030	The adoption of artificial intelligence in sport management: a systematic review	2026	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/23750472.2026.2700572	NR

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MR-07034	The application of machine learning in the prediction of sports injuries: systematic review and meta-analysis	2026	IMG; AI	Included in principal corpus	Selected for principal evidence corpus.	10.1038/s41598-026-59571-y	42342948
MR-07035	The association between athletes' vagally-mediated heart rate variability before training and competition and negative affect: a meta-analytic review	2026	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/1612197x.2026.2637015	NR
MR-07053	The Effect of Neuromuscular Exercise Interventions on Athletic Performance Across Different Levels: A Multilevel Meta-Analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1123/ijsp.2025-0584	42468926
MR-07055	The effect of probiotic and synbiotic supplementation on sleep parameters in exercised population: a systematic review and synthesis without meta-analysis (SWiM) of randomized controlled trials	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/15502783.2026.2670564	42184272
MR-07063	The effects of integrative neuromuscular training on injury risk and athletic performance in athletes: a systematic review and meta-analysis	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-026-01549-4	41645324
MR-07065	The effects of menstrual cycle phase on jumping performance in women's football players: a systematic review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2026.1789611	42294008
MR-07068	The Effects of Shoe Sole Thickness on Running Biomechanics and Economy: A Systematic Review	2026	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-026-01020-1	NR
MR-07076	The Impact of Ankle Injuries on Postural Stability and Balance Control Among Athletes: A Systematic Review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1177/19417381251406140	41622590

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MR-07086	The Influence of the Phases of the Menstrual Cycle on Intrinsic Injury Risk Factors in Eumenorrheic Female Athletes or Physically Active Women-A Systematic Review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/sports14070297	42506840
MR-07090	The Mental Roots of Performance: A Preliminary Meta-Analysis of Cognitive Genes and Athlete Status	2026	GEN	Eligible but redundant/overlapping	Substantial thematic overlap with retained review MR-06523; not prioritized because it did not add sufficient complementary scope.	10.1007/s12035-025-05596-9	41388169
MR-07093	The relationship between training load and injury risk in taekwondo: a systematic review	2026	MOL; DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s13102-025-01481-z	41484800
MR-07094	The Role of Artificial Intelligence and Wearable Technology in Athlete Mental Health: A Systematic Review of Evidence and Innovations	2026	DIG; AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1016/j.ypsc.2026.04.004	NR
MR-07095	The Role of COL1A1, COL5A1, ACTN3, MMP3, and GDF5 Gene Variants in Common Sports Injuries: Systematic Review of ACL Rupture, Achilles Tendinopathy, and Stress Fractures	2026	GEN	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/genes17020212	41751596
MR-07099	The Role of Machine Learning in Talent Identification for Team Sports: A Systematic Review	2026	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.52082/jssm.2026.58	41710441
MR-07116	Towards Continuous Swim Leg Analytics in Olympic Triathlon: A Systematic Review of Sensor-Based Assessment Approaches in Open-Water Sports Contexts	2026	DIG; IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3390/s26072151	41977936
MR-07118	Trunk sagittal plane leaning influence on lower limb biomechanics of novice and recreational runners: a systematic review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/10833196.2025.2530866	NR

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-07122	Upper Extremity Return to Sport Functional Testing: A Systematic Review	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1186/s40798-026-00984-4	41724878
MR-07124	VALIDATION OF PORTABLE BLOOD LACTATE ANALYZERS VERSUS LABORATORY REFERENCE METHODS IN SPORT AND EXERCISE PHYSIOLOGY: A SYSTEMATIC REVIEW; [VALIDACIJA PRIJENOSNIH LAKTATOMJERA U USPOREDBI S LABORATORIJSKIM REFERENTNIM METODAMA U SPORTU I TJELESNOJ FIZIOLOGIJI: PREGLEDNI RAD]	2026	MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.69589/hsv.41.1.12	NR
MR-07127	VEGFA and KDR gene variants as potential markers of endurance performance and sports-related injuries: A systematic review	2026	GEN; MOL	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.2478/bhk-2026-0013	NR
MR-07130	Virtual reality-based interventions targeting sports injury-related risk factors: a systematic review of biomechanical, neuromuscular, and functional outcomes	2026	IMG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.3389/fspor.2026.1744369	42453617
MR-07138	Wearable-Derived Heart Rate Variability Across the Menstrual Cycle, Hormonal Contraceptive Use, and Reproductive Life Stages in Females: A Living Systematic Review	2026	DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/s40279-025-02388-y	41545627
MR-07139	Wearable-Monitored External Workload (GPS/GNSS/IMU) and Lower-Limb Muscle Injuries in Football: A Systematic Review and Exploratory Data Synthesis	2026	DIG	Included in principal corpus	Selected for principal evidence corpus.	10.26773/smj.260219	NR
MR-07141	What are the demands of volleyball match-play? A systematic review of the external and internal loads encountered according to playing position, number of sets, and player sex	2026	MOL; DIG	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1080/02640414.2025.2609028	41460726

Record_ID	Title	Year	Domain	Disposition	Concise_Rationale	DOI	PMID
MR-07144	Why Hand–Wrist Bandaging Could Improve Performance in Elite Soccer Players? A Scoping Review on the Biomechanical Rationale of Upper Limb Role in Kicking	2026	IMG	Contextual review only	Relevant to interpretation/evidence mapping but not prioritized as principal systematic-review evidence.	10.3390/sports14050189	NR
MR-07147	Redefining Cardiac Arrhythmia Detection and Monitoring in Athletes Using Artificial Intelligence: A Systematic Review	2026	AI	Eligible but narrower/peripheral scope	Potentially eligible review, but its scope was narrower or less central to the prespecified translational evidence-map questions than retained principal reviews.	10.1007/978-3-032-30813-9_7	NR

Supplementary Table 3. Operational Principles and Rules

Criterion / Step	Operational definition and application
No numerical quota	The final number of 75 reviews was not predetermined. The corpus size emerged after the prioritization rules were applied to the 944-record candidate pool.
Core relevance gate	A record had to address an athlete or sport population, a substantive prespecified precision-data domain, an athlete-relevant outcome, and a systematic-review or meta-analytic design to be considered for the principal corpus.
Complementarity	A review was complementary when it contributed a distinct athlete population, sport, marker or exposure class, outcome, intended-use category, validation question, or methodological perspective not adequately represented by an already prioritized review.
Domain coverage	Coverage meant retaining sufficiently informative reviews across the six prespecified domains and their materially distinct translational questions when candidate evidence was available. Equal numerical quotas by domain were not used.
Redundancy / overlap	Reviews were considered redundant when they substantially overlapped in population, marker/exposure and outcome. The newer or more comprehensive review was prioritized unless an earlier review added a distinct population, sport, marker class, outcome, intended use, validation question or methodological perspective.
Peripheral scope	A potentially eligible review was classified as narrower/peripheral when its contribution was technically relevant but substantially narrower, more indirect, or less central to the four prespecified translational review questions than retained principal reviews.
Consistent sequence	The prioritization sequence was: retain after title/abstract screening; confirm principal-corpus relevance gate; assign domain and overlap cluster; identify the most comprehensive/recent anchor review within overlapping evidence; retain additional reviews only when they added predefined complementarity; assign all remaining candidates to a documented disposition category.
Interpretation of 944 records	The 944 records constituted a candidate pool for evidence-map prioritization. They were not a conventional full-text inclusion set and should not be interpreted as 944 fully adjudicated systematic-review inclusions.
Interpretation of 75 reviews	All maturity counts and proportions describe the prioritized principal corpus only. They are not prevalence estimates for the full candidate pool or the wider sports-medicine review literature.

Supplementary Table 4. Review Characteristics

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0001	Tabor JB et al., 2023	Role of biomarkers and emerging technologies in defining and assessing neurological recovery after sport-related concussion: a systematic review	Br J Sports Med	10.1136/bjsports-2022-106680	Cross-domain / Precision	Systematic review	Athlete/sport population	205	NR	MRI / neuroimaging; Genetic polymorphisms; Blood / saliva molecular biomarkers	Monitoring / recovery-readiness	Fatigue/readiness; Concussion recovery	NV	NR	NV	PROSPERO/registration, Risk-of-bias/quality	Methods-rich	NR	Corrected and source-checked
SR-0002	Weizman Y et al., 2024	Application of Sensor Technology in Wheelchair Sports for Real-Time Data Collection during Training and Competition and for Assessment of Performance Parameters: A Systematic Review and Future Directions	Sensors (Basel)	10.3390/s24196343	Cross-domain / Precision	Systematic review	Athlete/sport population	NR	NR	Wearable / inertial / GPS metrics	Performance prediction / monitoring	Performance	NV	NR	Para/disability sport evidence	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0003	Soler LOPEZ A et al., 2024	The Role of Biomarkers in Monitoring Chronic Fatigue Among Male Professional Team Athletes: A Systematic Review	Sensors (Basel)	10.3390/s24216862	Cross-domain / Precision	Systematic review	Athlete/sport population	28	NR	Blood / saliva molecular biomarkers	Monitoring / recovery-readiness	Fatigue/readiness; Training adaptation	NV	NR	Male-focused evidence	No additional safeguard verifiable beyond review design	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0004	Clemente FM et al., 2025	The Correlations Between Training Load Parameters and Physical Performance Adaptations in Team Sports: A Systematic Review and Meta-analysis	Sports Med Open	10.1186/s40798-025-00952-4	Cross-domain / Precision	Systematic review + meta-analysis	Athlete/sport population	40	726	Mixed/other precision marker	Monitoring / adaptation	Performance; Training adaptation	NV	NR	Female-specific evidence	Risk-of-bias/quality, Meta-analysis, GRADE	Methods-rich	NR	Cross-checked against locked master metadata/extraction
SR-0005	Wang et al., 2026	Integrating multimodal AI technologies for sports injury prediction and rehabilitation: Systematic review	Journal of Human Sport and Exercise	10.55860/w6j5wc21	Cross-domain / Precision	Systematic review	Athlete/sport population	NR	NR	Machine-learning prediction model; Wearable / inertial / GPS metrics	Return-to-sport / rehabilitation decision support	Injury risk/prediction; Fatigue/readiness	NV	NR	NV	Risk-of-bias/quality	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0006	Aslani M et al., 2026	Machine learning models for injury risk prediction in football players: A systematic review of predictors, performance, practical applications, and limitations	J Int Med Res	10.1177/03000605261469442	Cross-domain / Precision	Systematic review	Athlete/sport population	22	NR	Machine-learning prediction model	Prognostic / risk prediction	Injury risk/prediction; Performance; Training adaptation	Insufficient	NV	NV	Risk-of-bias/quality	Methods-rich	NR	Cross-checked against locked master metadata/extraction
SR-0007	Gkintoni E et al., 2026	Neural Efficiency and Sensorimotor Adaptations in Swimming Athletes: A Systematic Review of Neuroimaging and Cognitive-Behavioral Evidence for Performance and Wellbeing	Brain Sci	10.3390/brainsci16010116	Cross-domain / Precision	Systematic review	Athlete/sport population	NR	NR	Wearable / inertial / GPS metrics; MRI / neuroimaging	Monitoring / adaptation	Performance; Training adaptation	NV	NR	NV	PRISMA, Risk-of-bias/quality	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0008	Lopez LEON S et al., 2016	Sports genetics: the PPARA gene and athletes' high ability in endurance sports. A systematic review and meta-analysis	Biol Sport	10.5604/20831862.1180170	Genomics / Epigenomics	Systematic review + meta-analysis	Athlete/sport population	NR	NR	Genetic polymorphisms	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	Meta-analysis, Publication bias	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0009	Weyers tra et al., 2018	Nine genetic polymorphisms associated with power athlete status – A Meta-Analysis	Journal of Science and Medicine in Sport	10.1016/j.jsams.2017.06.012	Genomics / Epigenomics	Meta-analysis	Athlete/sport population	NR	NR	Genetic polymorphisms	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	Meta-analysis	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0010	Sarmiento et al., 2020	Genetic influence on football performance: A systematic review	Human Movement	10.5114/hm.2020.94198	Genomics / Epigenomics	Systematic review	Athlete/sport population	38	NR	Genetic polymorphisms	Monitoring / adaptation	Performance; Training adaptation	NV	NR	NV	PRISMA	Abstract/metadata + methods signals	NR	Corrected and source-checked
SR-0011	Youn BY et al., 2021	Genetic basis of elite combat sports athletes: a systematic review	Biol Sport	10.5114/biol sport.2022.102864	Genomics / Epigenomics	Systematic review	Athlete/sport population	18	14313	Genetic polymorphisms	Performance prediction / monitoring	Performance	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Corrected and source-checked
SR-0012	Bulbul et al., 2023	The Impact of Genetic Polymorphisms on Anterior Cruciate Ligament Injuries in Athletes: A Meta-Analytical Approach	Biology	10.3390/biology12121526	Genomics / Epigenomics	Systematic review / meta-analysis	Athlete/sport population	19	9921	Genetic polymorphisms	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	Meta-analysis	Abstract/metadata + methods signals	NR	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0013	Ipekoglu et al., 2024	Genetic insights into endurance athlete status: A meta-analysis of ACVR1B, AGT, FTO, IL-6, and NRF2 gene polymorphisms	Journal of Biological Methods	10.14440/jbm.2024.0013	Genomics / Epigenomics	Meta-analysis	Athlete/sport population	20	NR	Genetic polymorphisms	Performance prediction / monitoring	Performance	NV	NR	NV	Meta-analysis	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0014	Ferreira CP et al., 2024	Influence of genetic polymorphism on sports talent performance versus non-athletes: a systematic review and meta-analysis	BMC Sports Sci Med Rehabil	10.1186/s13102-024-01001-5	Genomics / Epigenomics	Systematic review + meta-analysis	Athlete/sport population	119	77690	Genetic polymorphisms	Performance prediction / monitoring	Performance	NV	NR	NV	PRISMA, Risk-of-bias/quality	Methods-rich	NR	Corrected and source-checked
SR-0015	Psatha et al., 2024	Meta-analysis of genomic variants in power and endurance sports to decode the impact of genomics on athletic performance and success	Human Genomics	10.1186/s40246-024-00621-9	Genomics / Epigenomics	Meta-analysis	Athlete/sport population	107	54382	Genetic polymorphisms	Performance prediction / monitoring	Performance	NV	NR	NV	Meta-analysis	Abstract/metadata + methods signals	NR	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0016	Anastasiou K et al., 2024	The Genetic Profile of Combat Sport Athletes: A Systematic Review of Physiological, Psychological and Injury Risk Determinants	Int J Environ Res Public Health	10.3390/ijerph21081019	Genomics / Epigenomics	Systematic review	Athlete/sport population	24	18989	Genetic polymorphisms	Prognostic / risk prediction	Injury risk/prediction; Performance	NV	NR	NV	PRISMA, Risk-of-bias/quality	Abstract/metadata + methods signals	NR	Corrected and source-checked
SR-0017	Mijaic R et al., 2025	Physical Performance and Sports Genetics : A Systematic Review of Candidate Gene Polymorphisms Involved in Team Sports	Genes (Basel)	10.3390/genes16091079	Genomics / Epigenomics	Systematic review	Athlete/sport population	NR	NR	Genetic polymorphisms	Monitoring / recovery-readiness	Performance; Fatigue/readiness	NV	NR	NV	PRISMA	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0018	Akkus et al., 2026	Association of Cognition-Related Genetic Polymorphisms with Elite Athlete Status: A Meta-Analysis	Genes	10.3390/genes17040435	Genomics / Epigenomics	Meta-analysis	Athlete/sport population	NR	NR	Genetic polymorphisms; Biomechanical / neuromuscular measures	Performance prediction / monitoring	Performance	NV	NR	NV	Meta-analysis	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0019	Greenham G et al., 2018	Biomarkers of Physiological Responses to Periods of Intensified, Non-Resistance-Based Exercise Training in Well-Trained Male Athletes: A Systematic Review and Meta-Analysis	Sports Med	10.1007/s40279-018-0969-2	Molecular Omics / Biomarkers	Systematic review + meta-analysis	Athlete/sport population	59	708	Blood / saliva molecular biomarkers	Monitoring / adaptation	Performance; Training adaptation	NV	NR	Male-focused evidence	Meta-analysis	Methods-rich	NR	Corrected and source-checked
SR-0020	Lobigs et al., 2018	The athlete's hematological response to hypoxia: A meta-analysis on the influence of altitude exposure on key biomarkers of erythropoiesis	American Journal of Hematology	10.1002/ajh.24941	Molecular Omics / Biomarkers	Meta-analysis	Athlete/sport population	17	NR	Blood / saliva molecular biomarkers	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	Meta-analysis	Abstract/metadata + methods signals	NR	Corrected and source-checked
SR-0021	Meyer J et al., 2020	The relationship between fluid biomarkers and clinical outcomes in sports-related concussions: a systematic review	Brain Inj	10.1080/02699052.2020.1802780	Molecular Omics / Biomarkers	Systematic review	Athlete/sport population	NR	NR	Blood / saliva molecular biomarkers	Monitoring / recovery-readiness	Concussion recovery	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0022	Kostelnik SB et al., 2021	The Validity of Urine Color as a Hydration Biomarker within the General Adult Population and Athletes: A Systematic Review	J Am Coll Nutr	10.1080/07315724.2020.1750073	Molecular Omics / Biomarkers	Systematic review	Athlete/sport population	NR	NR	Blood / saliva molecular biomarkers	Monitoring / phenotyping	Measurement validity	NV	NR	Youth/adolescent evidence	PRISMA	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0023	Goulart KNO et al., 2022	Fatigue and Recovery Time Course After Female Soccer Matches: A Systematic Review And Meta-analysis	Sports Med Open	10.1186/s40798-022-00466-3	Molecular Omics / Biomarkers	Systematic review / meta-analysis	Athlete/sport population	26	465	Mixed/other precision marker	Monitoring / recovery-readiness	Performance; Fatigue/readiness	NV	NR	Female-specific evidence	PROSPERO/registration, Meta-analysis	Abstract/metadata + methods signals	NR	Corrected and source-checked
SR-0024	Khoramipour K et al., 2022	Metabolomics in Exercise and Sports: A Systematic Review	Sports Med	10.1007/s40279-021-01582-y	Molecular Omics / Biomarkers	Systematic review	Athlete/sport population	NR	NR	Metabolomics / microbiome	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0025	Walter AE et al., 2022	The accumulation of subconcussive impacts on cognitive, imaging, and biomarker outcomes in child and college-aged athletes: a systematic review	Brain Imaging Behav	10.1007/s11682-021-00489-6	Molecular Omics / Biomarkers	Systematic review	Athlete/sport population	48	NR	Wearable / inertial / GPS metrics; Blood / saliva molecular biomarkers	Monitoring / recovery-readiness	Concussion recovery	NV	NR	Female-specific evidence; Youth/adolescent evidence	PRISMA	Abstract/metadata + methods signals	NR	Corrected and source-checked
SR-0026	Ishikawa et al., 2023	Major metabolic and metabolic aspects of nutrition in the gut microbiota and sports performance: a systematic review	International Journal of Nutrology	10.54448/ijn23224	Molecular Omics / Biomarkers	Systematic review	Athlete/sport population	NR	NR	Metabolo mics / microbio me	Performance prediction / monitoring	Performance	NV	NR	NV	PRISMA, Risk-of-bias/quality, GRADE	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0027	De et al., 2024	Biomarker response in professional football athletes after matches: a systematic review; [Respuesta de biomarcadores en deportistas de fútbol profesionales después de los partidos: una revisión sistemática]	Retos	10.47197/retos.v59.107323	Molecular Omics / Biomarkers	Systematic review	Athlete/sport population	NR	NR	Blood / saliva molecular biomarkers	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	Male-focused evidence	PRISMA	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0028	Grainger A et al., 2024	Real-World Fatigue Testing in Professional Rugby Union: A Systematic Review and Meta-analysis	Sports Med	10.1007/s40279-023-01973-3	Molecular Omics / Biomarkers	Systematic review / meta-analysis	Athlete/sport population	NR	NR	Biomechanical / neuromuscular measures	Monitoring / recovery-readiness	Fatigue/readiness	NV	NR	Male-focused evidence	PROSPERO/registration, Meta-analysis	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0029	Fernandes et al., 2025	Muscle biomarkers of physiological stress in competitive sports practice: a systematic review; [Biomarcadores musculares de estresse fisiológico na prática esportiva de competição: uma revisão sistemática]	Retos	10.47197/retos.v63.110055	Molecular Omics / Biomarkers	Systematic review	Athlete/sport population	NR	NR	Blood / saliva molecular biomarkers	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	PRISMA	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0030	Lindsey B et al., 2025	Salivary biomarkers of tactical athlete readiness: A systematic review	PLoS One	10.1371/journal.pone.0321223	Molecular Omics / Biomarkers	Systematic review	Athlete/sport population	49	1118	Genetic polymorphisms; Blood / saliva molecular biomarkers	Monitoring / recovery-readiness	Fatigue/readiness	NV	NR	NV	PRISMA, PROSPERO/registration, Risk-of-bias/quality	Methods-rich	NR	Corrected and source-checked
SR-0031	Guisado CUADRADO I et al., 2026	Biochemical Responses to Experimentally Induced Short-Term Low Energy Availability in Athletes: A Systematic Review	Scand J Med Sci Sports	10.1111/sms.70249	Molecular Omics / Biomarkers	Systematic review / meta-analysis	Athlete/sport population	13	145	Blood / saliva molecular biomarkers	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	PRISMA	Abstract/metadata + methods signals	NR	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0032	Da SILVA VP et al., 2015	Heart rate variability indexes as a marker of chronic adaptation in athletes: a systematic review	Ann Noninvasive Electrocardiol	10.1111/anec.12237	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	NR	NR	HRV / cardiac measures	Monitoring / adaptation	Training adaptation	NV	NR	Female-specific evidence	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction
SR-0033	Fox JL et al., 2018	The Association Between Training Load and Performance in Team Sports: A Systematic Review	Sports Med	10.1007/s40279-018-0982-5	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	NR	NR	Mixed/other precision marker	Monitoring / adaptation	Performance; Training adaptation	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction
SR-0034	Camomilla V et al., 2018	Trends Supporting the In-Field Use of Wearable Inertial Sensors for Sport Performance Evaluation: A Systematic Review	Sensors (Basel)	10.3390/s18030873	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	NR	NR	Wearable / inertial / GPS metrics	Performance prediction / monitoring	Performance	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction
SR-0035	Patton et al., 2020	Head Impact Sensor Studies In Sports: A Systematic Review Of Exposure Confirmation Methods	Annals of Biomedical Engineering	10.1007/s10439-020-02642-6	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	NR	NR	Wearable / inertial / GPS metrics	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0036	Crang ZL et al., 2021	The Validity and Reliability of Wearable Microtechnology for Intermittent Team Sports: A Systematic Review	Sports Med	10.1007/s40279-020-01399-1	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	72	NR	Wearable / inertial / GPS metrics	Monitoring / phenotyping	Measurement validity	NV	NR	NV	No additional safeguard verifiable beyond review design	Methods-rich	NR	Corrected and source-checked
SR-0037	Rum L et al., 2021	Wearable Sensors in Sports for Persons with Disability : A Systematic Review	Sensors (Basel)	10.3390/s21051858	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	39	NR	Wearable / inertial / GPS metrics	Performance prediction / monitoring	Performance	NV	NR	Para/disability sport evidence	No additional safeguard verifiable beyond review design	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0038	Flores G et al., 2023	Heart rate variability behavior in athletes after a sports concussion: A systematic review	Scand J Med Sci Sports	10.1111/sms.14409	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	NR	NR	HRV / cardiac measures	Monitoring / recovery-readiness	Fatigue/readiness; Concussion recovery; Training adaptation	NV	NR	NV	PRISMA, Meta-analysis	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0039	Keys et al., 2023	Workload Monitoring Tools in Field-Based Team Sports, the Emerging Technology and Analytics used for Performance and Injury Prediction: A Systematic Review	International Journal of Computer Science in Sport	10.2478/ijcss-2023-0008	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	60	NR	Wearable / inertial / GPS metrics	Prognostic / risk prediction	Injury risk/prediction; Performance; Training adaptation	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/metadata + methods signals	NR	Corrected and source-checked
SR-0040	Cruz MI et al., 2024	Advancements in Performance Monitoring: A Systematic Review of Sensor Technologies in Rowing and Canoeing Biomechanics	Sports (Basel)	10.3390/sports12090254	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	11	NR	Wearable / inertial / GPS metrics; Biomechanical / neuromuscular measures	Performance prediction / monitoring	Performance	NV	NR	NV	Risk-of-bias/quality	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0041	Qin W et al., 2025	Acute to chronic workload ratio (ACWR) for predicting sports injury risk: a systematic review and meta-analysis	BMC Sports Sci Med Rehabil	10.1186/s13102-025-01332-x	Digital Biomarkers / Wearables	Systematic review + meta-analysis	Athlete/sport population	NR	NR	Mixed/other precision marker	Prognostic / risk prediction	Injury risk/prediction; Training adaptation	NV	NR	NV	PROSPERO/registration, Risk-of-bias/quality, Meta-analysis, Publication bias	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0042	De SOUSA DE SOUSA L et al., 2025	Unlocking the Impact: A Systematic Review and Meta-Analysis of Biomechanical Insights into Rugby Head Impacts Using Wearable Sensor Technology	Sports Med	10.1007/s40279-025-02228-z	Digital Biomarkers / Wearables	Systematic review + meta-analysis	Athlete/sport population	13	895	Wearable / inertial / GPS metrics; Biomechanical / neuromuscular measures	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	PROSPERO/registration, Meta-analysis	Abstract/metadadata + methods signals	NR	Corrected and source-checked
SR-0043	Seifi V et al., 2026	Clinical applications of wearable sensor-based gait analysis in athletes: a systematic review for injury prevention and rehabilitation	BMC Sports Sci Med Rehabil	10.1186/s13102-026-01564-5	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	22	1040	Wearable / inertial / GPS metrics; Biomechanical / neuromuscular measures	Return-to-sport / rehabilitation decision support	Injury risk/prediction; Performance	NV	NR	NV	PRISMA	Abstract/metadadata + methods signals	NR	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0044	Semjonova G et al., 2026	Functional Biomechanical Tests of the Foot and Ankle in Physiotherapy and Sports-Outcome Measures, Wearable Sensor Integration, and Psychometric Properties: A Systematic Review	J Clin Med	10.3390/jcm15103892	Digital Biomarkers / Wearables	Systematic review	Athlete/sport population	4	83	Wearable / inertial / GPS metrics; Biomechanical / neuromuscular measures	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	PRISMA, Risk-of-bias/quality, Meta-analysis, Duplicate screening	Abstract/metadata + methods signals	NR	Corrected and source-checked
SR-0045	Sihanto et al., 2026	Sleep quality and training load as determinants of musculoskeletal injury risk in adolescent athletes: a systematic review and meta-analysis	Sport Sciences for Health	10.1007/s11332-026-01809-3	Digital Biomarkers / Wearables	Systematic review + meta-analysis	Athlete/sport population	NR	NR	Mixed/other precision marker	Prognostic / risk prediction	Injury risk/prediction; Training adaptation	NV	NR	Female-specific evidence; Youth/adolescent evidence	PRISMA, PROSPERO/registration, Meta-analysis, Duplicate screening, Publication bias	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0046	Hanief et al., 2026	Wearable-Monitored External Workload (GPS/GNSS/IMU) and Lower-Limb Muscle Injuries in Football: A Systematic Review and Exploratory Data Synthesis	Sport Mont	10.26773/smj.260219	Digital Biomarkers / Wearables	Systematic review + exploratory quantitative syntheses	Athlete/sport population	12	NR	Wearable / inertial / GPS metrics	Prognostic / risk prediction	Injury risk/prediction; Training adaptation	NV	NR	NV	PRISMA	Methods-rich	NR	Cross-checked against locked master metadata/extraction
SR-0047	Douglas et al., 2012	A systematic review of physical fitness, physiological demands and biomechanical performance in equestrian athletes	Comparative Exercise Physiology	10.3920/cep12003	Imaging / Biomechanics / Neuromuscular	Systematic review	Athlete/sport population	NR	NR	Biomechanical / neuromuscular measures	Performance prediction / monitoring	Performance	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction
SR-0048	Saki et al., 2013	Neuromuscular and biomechanical risk factors associated with ACL injury in female athletes	Scientific Journal of Kurdistan University of Medical Sciences	NR	Imaging / Biomechanics / Neuromuscular	Systematic review	Athlete/sport population	52 neuromuscular/biomechanical studies within 152 included articles	NR	Biomechanical / neuromuscular measures	Prognostic / risk prediction	Injury risk/prediction	NV	NR	Female-specific evidence	Systematic review, PubMed/MEDLINE, ScienceDirect and SPORTDiscus searched	Abstract/metadata + methods signals	NR	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0049	Schneider et al., 2019	Diffusion tensor imaging in athletes sustaining repetitive head impacts: A systematic review of prospective studies	Journal of Neurotrauma	10.1089/neu.2019.6398	Imaging / Biomechanics / Neuromuscular	Systematic review	Athlete/sport population	20	NR	Mixed/other precision marker	Monitoring / recovery-readiness	Concussion recovery	NV	NR	NV	PRISMA	Methods-rich	NR	Corrected and source-checked
SR-0050	Hollander K et al., 2019	The relationship between static and dynamic foot posture and running biomechanics: A systematic review and meta-analysis	Gait Posture	10.1016/j.gaitpost.2019.05.031	Imaging / Biomechanics / Neuromuscular	Systematic review + meta-analysis	Athlete/sport population	25	NR	Biomechanical / neuromuscular measures	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	Risk-of-bias/quality, Meta-analysis, Duplicate screening	Abstract/metadata + methods signals	NR	Corrected and source-checked
SR-0051	Vannatta et al., 2020	Biomechanical risk factors for running-related injury differ by sample population: A systematic review and meta-analysis	Clinical Biomechanics	10.1016/j.clinbiomech.2020.104991	Imaging / Biomechanics / Neuromuscular	Systematic review + meta-analysis	Athlete/sport population	13	NR	Wearable / inertial / GPS metrics; Biomechanical / neuromuscular measures	Prognostic / risk prediction	Injury risk/prediction	NV	NR	Female-specific evidence	No additional safeguard verifiable beyond review design	Abstract/metadata + methods signals	NR	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0052	Fiorese BA et al., 2020	Biomechanics of starting, sprinting and submaximal running in athletes with brain impairment: A systematic review	J Sci Med Sport	10.1016/j.jsams.2020.05.006	Imaging / Biomechanics / Neuromuscular	Systematic review	Athlete/sport population	NR	NR	Biomechanical / neuromuscular measurements	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	Para/disability sport evidence	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction
SR-0053	Esh R et al., 2020	Diagnostic accuracy of MRI for identifying posterior element bone stress injury in athletes with low back pain: a systematic review and narrative synthesis	BMJ Open Sport Exerc Med	10.1136/bmjsem-2020-000764	Imaging / Biomechanics / Neuromuscular	Systematic review	Athlete/sport population	4	NR	MRI / neuroimaging	Diagnostic	Measurement validity	NV	NR	Youth/adolescent evidence	PROSPERO/registration, Risk-of-bias/quality, GRADE	Methods-rich	NR	Corrected and source-checked
SR-0054	Hoenig T et al., 2022	Does Magnetic Resonance Imaging Grading Correlate With Return to Sports After Bone Stress Injuries? A Systematic Review and Meta-analysis	Am J Sports Med	10.1177/0363546521993807	Imaging / Biomechanics / Neuromuscular	Systematic review + meta-analysis	Athlete/sport population	16	560 bone-stress injuries	MRI / neuroimaging	Return-to-sport / rehabilitation decision support	Return to sport	NV	NR	NV	Risk-of-bias/quality, Meta-analysis, GRADE	Abstract/metadata + methods signals	NR	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0055	Kellis E et al., 2022	Is Muscle Architecture Different in Athletes with a Previous Hamstring Strain? A Systematic Review and Meta-Analysis	J Funct Morphol Kinesiol	10.3390/jfmk7010016	Imaging / Biomechanics / Neuromuscular	Systematic review / meta-analysis	Athlete/sport population	NR	NR	Biomechanical / neuromuscular measures	Return-to-sport / rehabilitation decision support	Return to sport	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction
SR-0056	Sundaram et al., 2023	Biomechanical characteristics of concussive and sub-concussive impacts in youth sports athletes: A systematic review and meta-analysis	Journal of Sports Sciences	10.1080/02640414.2023.2231317	Imaging / Biomechanics / Neuromuscular	Systematic review + meta-analysis	Athlete/sport population	NR	NR	Biomechanical / neuromuscular measures	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	Female-specific evidence; Youth/adolescent evidence	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction
SR-0057	Kumar et al., 2024	Biomechanical Determinants Influencing Smash Performance in Racket Sports from 2000 to 2024: A Systematic Review and Meta-Analysis	Physical Education Theory and Methodology	10.17309/tmf.v.2024.4.16	Imaging / Biomechanics / Neuromuscular	Systematic review + meta-analysis	Athlete/sport population	9	NR	Biomechanical / neuromuscular measures	Performance prediction / monitoring	Performance	NV	NR	NV	Meta-analysis	Abstract/metadata + methods signals	NR	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0058	Ramachandran AK et al., 2024	Changes in Lower Limb Biomechanics Across Various Stages of Maturation and Implications for ACL Injury Risk in Female Athletes: a Systematic Review	Sports Med	10.1007/s40279-024-02022-3	Imaging / Biomechanics / Neuromuscular	Systematic review	Athlete/sport population	NR	NR	Biomechanical / neuromuscular measures	Prognostic / risk prediction	Injury risk/prediction	NV	NR	Female-specific evidence	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction
SR-0059	Gill VS et al., 2024	Functional Return-to-Sport Testing Demonstrates Inconsistency in Predicting Short-Term Outcomes Following Anterior Cruciate Ligament Reconstruction: A Systematic Review	Arthroscopy	10.1016/j.arthro.2023.12.032	Imaging / Biomechanics / Neuromuscular	Systematic review / meta-analysis	Athlete/sport population	NR	NR	Mixed/other precision marker	Return-to-sport / rehabilitation decision support	Injury risk/prediction; Performance; Return to sport	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0060	Yan et al., 2025	A systematic review and coordinate-based meta-analysis of resting-state fMRI in athletes from open and closed skills sports	SCIENTIFIC REPORTS	10.1038/s41598-025-07192-2	Imaging / Biomechanics / Neuromuscular	Meta-analysis	Athlete/sport population	31	Meta-analysis subset: 327 athletes + 347 controls	MRI / neuroimaging; Genetic polymorphisms	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	Meta-analysis	Methods-rich	NR	Corrected and source-checked
SR-0061	Alahaidib AA et al., 2025	Biomechanical Assessment Tools for Injury Risk Prediction and Return-to-Sport Evaluation in Athletes: A Systematic Review	Cureus	10.7759/cureus.93210	Imaging / Biomechanics / Neuromuscular	Systematic review	Athlete/sport population	NR	NR	Biomechanical / neuromuscular measures	Return-to-sport / rehabilitation decision support	Injury risk/prediction; Fatigue/readiness; Return to sport	NV	NR	NV	PRISMA	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0062	Whittaker JL et al., 2025	Modifiable risk factors for lower-extremity injury: a systematic review and meta-analysis for the Female, woman and/or girl Athlete Injury pRevention (FAIR) consensus	Br J Sports Med	10.1136/bjsports-2025-109902	Imaging / Biomechanics / Neuromuscular	Systematic review / meta-analysis	Athlete/sport population	195	1525662	Mixed/other precision marker	Prognostic / risk prediction	Injury risk/prediction	NV	NR	Female-specific evidence	PROSPERO/registration, Risk-of-bias/quality	Abstract/metadata + methods signals	NR	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0063	Whittaker JL et al., 2025	Prevention strategies and modifiable risk factors for spine, chest, abdominal and/or pelvic injury and pain: a systematic review and meta-analysis for the Female, woman and/or girl Athlete Injury pRevention (FAIR) consensus	Br J Sports Med	10.1136/bjsports-2025-109900	Imaging / Biomechanics / Neuromuscular	Systematic review / meta-analysis	Athlete/sport population	105	59833	Mixed/other precision marker	Prognostic / risk prediction	Injury risk/prediction	NV	NR	Female-specific evidence	PROSPERO/registration, Risk-of-bias/quality	Abstract/metadata + methods signals	NR	Corrected and source-checked
SR-0064	Heming EE et al., 2025	Prevention strategies and modifiable risk factors for upper extremity injury: a systematic review and meta-analysis for the Female, woman and/or girl Athlete Injury pRevention (FAIR) consensus	Br J Sports Med	10.1136/bjsports-2025-109907	Imaging / Biomechanics / Neuromuscular	Systematic review / meta-analysis	Athlete/sport population	55	33228 athletes (8642 female/woman/girl)	Mixed/other precision marker	Prognostic / risk prediction	Injury risk/prediction	NV	NR	Female-specific evidence	Systematic review/meta-analysis; formal methods reported; female-specific evidence limited within included studies	Methods-rich	NR	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representativeness	Methodological_Appraisal	Evidence_Access	Major_Limitations	Data_Validation_Status
SR-0065	Williams et al., 2025	Using Force Plates to Monitor the Recovery of Vertical Jump Performance After Strenuous Exercise : A Systematic Review and Meta-Analysis.	Journal of functional morphology and kinesiology	10.3390/jfmk10020230	Imaging / Biomechanics / Neuromuscular	Systematic review / meta-analysis	Athlete/sport population	NR	NR	Biomechanical / neuromuscular measures	Monitoring / recovery-readiness	Performance; Fatigue/readiness	NV	NR	NV	Meta-analysis	Abstract/metadadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0066	Paravlic et al., 2025	Establishing reference values for tensiomyography-derived parameters in soccer players: insights from a systematic review, meta-analysis and meta-regression	Biology of Sport	10.5114/biolsport.2025.139853	Imaging / Biomechanics / Neuromuscular	Systematic review, meta-analysis and meta-regression	Active soccer players across age and playing-level groups; 4% female representation	22 original studies (25 journal articles)	1224	Tensiomyography-derived lower-limb contractile parameters	Monitoring / phenotyping	Neuromuscular reference values / athlete monitoring	Reference values synthesized across 22 studies; not a prospective external validation study	NA	Only ~4% female participants; soccer-specific evidence limits wider generalizability	PRISMA, prospectively registered OSF protocol, second-reviewer screening, independent primary-study quality appraisal, NHLBI, GRADE, random-effects meta-analysis, Egger test, meta-regression	Methods-rich	High heterogeneity for several pooled TMG parameters; evidence quality ranged from low to moderate; female representation was very limited.	Corrected and source-checked

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Model	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0067	Claudio JG et al., 2019	Current Approaches to the Use of Artificial Intelligence for Injury Risk Assessment and Performance Prediction in Team Sports: a Systematic Review	Sports Med Open	10.1186/s40798-019-0202-3	AI / Multimodal Analytics	Systematic review	Athlete/sport population	58	6456	Machine-learning prediction model	Prognostic / risk prediction	Injury risk/prediction; Performance	NV	NR	Female-specific evidence	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Corrected and source-checked
SR-0068	Bullock GS et al., 2022	Just How Confident Can We Be in Predicting Sports Injuries? A Systematic Review of the Methodological Conduct and Performance of Existing Musculoskeletal Injury Prediction Models in Sport	Sports Med	10.1007/s40279-022-01698-9	AI / Multimodal Analytics	Systematic review	Athlete/sport population	NR	NR	Machine-learning prediction model	Prognostic / risk prediction	Injury risk/prediction; Performance	NV	Reported	NV	Risk-of-bias/quality	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Mode	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0069	Xiang L et al., 2022	Recent Machine Learning Progress in Lower Limb Running Biomechanics With Wearable Technology: A Systematic Review	Front Neurorobot	10.3389/fnbot.2022.913052	AI / Multimodal Analytics	Systematic review	Athlete/sport population	NR	NR	Machine-learning prediction model; Wearable / inertial / GPS metrics; Genetic polymorphisms	Monitoring / phenotyping	Athlete-relevant outcome	NV	NR	NV	No additional safeguard verifiable beyond review design	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction
SR-0070	Nawi et al., 2025	Time Series Prediction for Cycling Sport Performance Through a Machine Learning Predictor	Pertanika Journal of Science and Technology	10.47836/pjst.33.6.13	AI / Multimodal Analytics	Systematic literature review	Athlete/sport population	NR	NR	Machine-learning prediction model	Prognostic / risk prediction	Performance	NV	NR	NV	PRISMA-based systematic literature review	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0071	Yuan J et al., 2026	From injury to comeback: A systematic review of machine learning models predicting return to sport in athletes	Digit Health	10.1177/20552076251408523	AI / Multimodal Analytics	Systematic review	Athlete/sport population	NR	NR	Machine-learning prediction model	Return-to-sport / rehabilitation decision support	Performance; Return to sport	NV	NR	NV	Risk-of-bias/quality, Duplicate screening	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0072	Yuan J et al., 2026	Machine Learning Applications in Non-Contact Lower Limb Sports Injury Prediction: A Systematic Review	J Sports Sci Med	10.52082/jssm.2026.172	AI / Multimodal Analytics	Systematic review	Athlete/sport population	15	NR	Machine-learning prediction model	Prognostic / risk prediction	Injury risk/prediction; Performance	NV	NR	NV	PRISMA, Risk-of-bias/quality	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction

Review_ID	Citation	Title	Journal	DOI	Evidence_Domain	Review_Design	Athlete_Population	No_Primary_Studies	No_Participants	Marker_or_Model	Intended_Use_Category	Intended_Use_or_Outcome	External_Validation	Calibration	Equity_or_Representation	Methodological_Appraisal	Evidence_Access	Major_Limitation	Data_Validation_Status
SR-0073	Bingol S et al., 2026	Predicting ACL injury risk in athletes: A systematic review of machine learning-based models	Knee	10.1016/j.knee.2026.104581	AI / Multimodal Analytics	Systematic review	Athlete/sport population	NR	NR	Machine-learning prediction model	Prognostic / risk prediction	Injury risk/prediction; Performance; Measurement validity	Limited/insufficient	NR	NV	Risk-of-bias/quality	Abstract/bibliographic metadata	NR	Cross-checked against locked master metadata/extraction
SR-0074	Satija R et al., 2026	Predictive accuracy of machine learning and markerless gait analysis for return-to-sport following lower extremity injury: a systematic review and meta-analysis	Front Sports Act Living	10.3389/fspor.2026.1862870	AI / Multimodal Analytics	Systematic review + meta-analysis	Athlete/sport population	NR	NR	Machine-learning prediction model; Biomechanical / neuromuscular measures	Return-to-sport / rehabilitation decision support	Injury risk/prediction; Fatigue/readiness; Return to sport	Limited/insufficient	NR	NV	PROSPERO/registration	Abstract/metadata + methods signals	NR	Cross-checked against locked master metadata/extraction
SR-0075	Lou S et al., 2026	The application of machine learning in the prediction of sports injuries: systematic review and meta-analysis	Sci Rep	10.1038/s41598-026-59571-y	AI / Multimodal Analytics	Systematic review + meta-analysis	Athlete/sport population	10	NR	Machine-learning prediction model	Prognostic / risk prediction	Injury risk/prediction; Performance	Limited/heterogeneous	NR	NV	No additional safeguard verifiable beyond review design	Methods-rich	NR	Corrected and source-checked

Supplementary Table 5. Final Evidence Grading

Review_ID	Citation	Evidence_Domain	Intended_Use_Category	R	C	EC	T	CU	Validation_Subtype	Overlap_Cluster	Appraisal_Confidence	Major_Limitation	Grader	Ambiguity_Rule	DOI
SR-0001	tabor jb et al., 2023	Cross-domain / Precision	Monitoring / recovery-readiness	R1	C0	EC2	T2	CU1	NA	Sport concussion / head impact	High for review-level descriptive appraisal	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1136/bjsports-2022-106680
SR-0002	weizman y et al., 2024	Cross-domain / Precision	Performance prediction / monitoring	R0	C0	EC1	T1	CU0	NA	Wearable validity / sensors	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/s24196343
SR-0003	soler lopez a et al., 2024	Cross-domain / Precision	Monitoring / recovery-readiness	R1	C1	EC1	T2	CU1	NA	Molecular fatigue / readiness biomarkers	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/s24216862
SR-0004	clemente fm et al., 2025	Cross-domain / Precision	Monitoring / adaptation	R1	C1	EC2	T2	CU0	NA	Training load / workload / injury	Moderate	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1186/s40798-025-00952-4

Review_ID	Citation	Evidence_Domain	Intended_Use_Category	R	C	EC	T	CU	Validation_Subtype	Overlap_Cluster	Appraisal_Confidence	Major_Limitation	Grader	Ambiguity_Rule	DOI
SR-0005	wang et al., 2026	Cross-domain / Precision	Return-to-sport / rehabilitation decision support	R0	C2	EC1	T2	CU0	NA	Other / cross-domain	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.55860/w6j5wc21
SR-0006	aslani m et al., 2026	Cross-domain / Precision	Prognostic / risk prediction	R0	C1	EC2	T2	CU1	NA	AI injury prediction	High for review-level descriptive appraisal	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1177/03000605261469442
SR-0007	gkintoni e et al., 2026	Cross-domain / Precision	Monitoring / adaptation	R0	C1	EC2	T2	CU0	NA	Wearable validity / sensors	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/brainsci16010116
SR-0008	lopez leon s et al., 2016	Genomics / Epigenomics	Monitoring / phenotyping	R0	C1	EC2	T2	CU0	NA	Genetic athletic performance	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.5604/20831862.1180170

Review_ID	Citation	Evidence_Domain	Intended_Use_Category	R	C	EC	T	CU	Validation_Subtype	Overlap_Cluster	Appraisal_Confidence	Major_Limitation	Grader	Ambiguity_Rule	DOI
SR-0009	weyerstra et al., 2018	Genomics / Epigenomics	Monitoring / phenotyping	R0	C1	EC1	T2	CU0	NA	Genetic athletic performance	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1016/j.jsams.2017.06.012
SR-0010	sarmento et al., 2020	Genomics / Epigenomics	Monitoring / adaptation	R1	C1	EC1	T1	CU0	NA	Genetic athletic performance	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.5114/hm.2020.94198
SR-0011	youn by et al., 2021	Genomics / Epigenomics	Performance prediction / monitoring	R0	C2	EC1	T1	CU0	NA	Genetic athletic performance	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.5114/biol sport.2022.102864
SR-0012	bulbul et al., 2023	Genomics / Epigenomics	Monitoring / phenotyping	R1	C2	EC1	T2	CU0	NA	Genetic athletic performance	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/biology12121526

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SR-0013	ipekoglu et al., 2024	Genomics / Epigenomics	Performance prediction / monitoring	R1	C2	EC1	T2	CU0	NA	Genetic athletic performance	Limited	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.14440/jbm.2024.0013
SR-0014	ferreira cp et al., 2024	Genomics / Epigenomics	Performance prediction / monitoring	R1	C1	EC2	T2	CU0	NA	Genetic athletic performance	Moderate	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1186/s13102-024-01001-5
SR-0015	psatha et al., 2024	Genomics / Epigenomics	Performance prediction / monitoring	R0	C1	EC1	T2	CU1	NA	Metabolomics / microbiome / omics	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1186/s40246-024-00621-9
SR-0016	anastasiou k et al., 2024	Genomics / Epigenomics	Prognostic / risk prediction	R0	C2	EC2	T2	CU0	NA	Genetic athletic performance	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/ijerph21081019

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SR-0017	mijaica r et al., 2025	Genomics / Epigenomics	Monitoring / recovery-readiness	R 0	C 2	EC 1	T 2	CU 1	NA	Genetic athletic performance	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/genes16091079
SR-0018	akkus et al., 2026	Genomics / Epigenomics	Performance prediction / monitoring	R 0	C 2	EC 1	T 2	CU 0	NA	Genetic athletic performance	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/genes17040435
SR-0019	greenham g et al., 2018	Molecular Omics / Biomarkers	Monitoring / adaptation	R 1	C 1	EC 2	T 2	CU 1	NA	Molecular fatigue / readiness biomarkers	Moderate	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s40279-018-0969-2
SR-0020	lobigs et al., 2018	Molecular Omics / Biomarkers	Monitoring / phenotyping	R 1	C 2	EC 1	T 2	CU 0	NA	Molecular fatigue / readiness biomarkers	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1002/ajh.24941

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SR-0021	meyer j et al., 2020	Molecular Omics / Biomarkers	Monitoring / recovery-readiness	R0	C2	EC1	T2	CU0	NA	Sport concussion / head impact	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1080/02699052.2020.1802780
SR-0022	kostelnik sb et al., 2021	Molecular Omics / Biomarkers	Monitoring / phenotyping	R0	C2	EC1	T3	CU1	Analytical / measurement validity	Molecular fatigue / readiness biomarkers	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1080/07315724.2020.1750073
SR-0023	goulart kno et al., 2022	Molecular Omics / Biomarkers	Monitoring / recovery-readiness	R0	C0	EC2	T1	CU0	NA	Recovery / neuromuscular monitoring	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1186/s40798-022-00466-3
SR-0024	khramipour k et al., 2022	Molecular Omics / Biomarkers	Monitoring / phenotyping	R0	C0	EC1	T2	CU0	NA	Metabolomics / microbiome / omics	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s40279-021-01582-y

Review_ID	Citation	Evidence_Domain	Intended_Use_Category	R	C	EC	T	CU	Validation_Subtype	Overlap_Cluster	Appraisal_Confidence	Major_Limitation	Grader	Ambiguity_Rule	DOI
SR-0025	walter ae et al., 2022	Molecular Omics / Biomarkers	Monitoring / recovery-readiness	R 1	C 1	EC 1	T 2	CU 0	NA	Sport concussion / head impact	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s11682-021-00489-6
SR-0026	ishikawa et al., 2023	Molecular Omics / Biomarkers	Performance prediction / monitoring	R 0	C 0	EC 2	T 2	CU 0	NA	Metabolomics / microbiome / omics	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.54448/ijn23224
SR-0027	de et al., 2024	Molecular Omics / Biomarkers	Monitoring / phenotyping	R 0	C 0	EC 1	T 2	CU 0	NA	Molecular fatigue / readiness biomarkers	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.47197/retos.v59.107323
SR-0028	grainger a et al., 2024	Molecular Omics / Biomarkers	Monitoring / recovery-readiness	R 0	C 0	EC 2	T 1	CU 0	NA	Molecular fatigue / readiness biomarkers	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s40279-023-01973-3

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SR-0029	fernandes et al., 2025	Molecular Omics / Biomarkers	Monitoring / phenotyping	R0	C0	EC1	T2	CU0	NA	Molecular fatigue / readiness biomarkers	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.47197/retos.v63.110055
SR-0030	lindsey b et al., 2025	Molecular Omics / Biomarkers	Monitoring / recovery-readiness	R1	C0	EC2	T2	CU0	NA	Molecular fatigue / readiness biomarkers	High for review-level descriptive appraisal	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1371/journal.pone.0321223
SR-0031	guisado cuadrado i et al., 2026	Molecular Omics / Biomarkers	Monitoring / phenotyping	R0	C2	EC1	T2	CU1	NA	Molecular fatigue / readiness biomarkers	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1111/sms.70249
SR-0032	da silva vp et al., 2015	Digital Biomarkers / Wearables	Monitoring / adaptation	R0	C2	EC1	T1	CU0	NA	Cardiac / HRV screening	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1111/anec.12237

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SR-0033	fox jl et al., 2018	Digital Biomarkers / Wearables	Monitoring / adaptation	R 0	C 2	EC 1	T 2	CU 0	NA	Training load / workload / injury	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s40279-018-0982-5
SR-0034	camomilla v et al., 2018	Digital Biomarkers / Wearables	Performance prediction / monitoring	R 0	C 0	EC 1	T 3	CU 0	Clinical / prognostic validation	Wearable validity / sensors	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/s18030873
SR-0035	patton et al., 2020	Digital Biomarkers / Wearables	Monitoring / phenotyping	R 0	C 0	EC 1	T 1	CU 0	NA	Wearable validity / sensors	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s10439-020-02642-6
SR-0036	crang zl et al., 2021	Digital Biomarkers / Wearables	Monitoring / phenotyping	R 1	C 1	EC 2	T 3	CU 1	Analytical / measurement validity	Wearable validity / sensors	High for review-level descriptive appraisal	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s40279-020-01399-1

Review_ID	Citation	Evidence_Domain	Intended_Use_Category	R	C	EC	T	CU	Validation_Subtype	Overlap_Cluster	Appraisal_Confidence	Major_Limitation	Grader	Ambiguity_Rule	DOI
SR-0037	rum I et al., 2021	Digital Biomarkers / Wearables	Performance prediction / monitoring	R 1	C 1	EC 1	T 1	CU 0	NA	Wearable validity / sensors	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/s21051858
SR-0038	flores g et al., 2023	Digital Biomarkers / Wearables	Monitoring / recovery-readiness	R 0	C 0	EC 2	T 1	CU 0	NA	Sport concussion / head impact	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1111/sms.14409
SR-0039	keys et al., 2023	Digital Biomarkers / Wearables	Prognostic / risk prediction	R 0	C 0	EC 2	T 2	CU 1	NA	Training load / workload / injury	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.2478/ijcss-2023-0008
SR-0040	cruz mi et al., 2024	Digital Biomarkers / Wearables	Performance prediction / monitoring	R 1	C 1	EC 1	T 2	CU 1	NA	Wearable validity / sensors	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/sports12090254

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SR-0041	qin w et al., 2025	Digital Biomarkers / Wearables	Prognostic / risk prediction	R0	C1	EC2	T1	CU0	NA	Training load / workload / injury	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1186/s13102-025-01332-x
SR-0042	de sousa de sousa l et al., 2025	Digital Biomarkers / Wearables	Monitoring / phenotyping	R0	C1	EC2	T1	CU0	NA	Wearable validity / sensors	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s40279-025-02228-z
SR-0043	seifi v et al., 2026	Digital Biomarkers / Wearables	Return-to-sport / rehabilitation decision support	R0	C1	EC1	T1	CU1	NA	Wearable validity / sensors	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1186/s13102-026-01564-5
SR-0044	semjonova g et al., 2026	Digital Biomarkers / Wearables	Monitoring / phenotyping	R0	C1	EC2	T3	CU0	Analytical / measurement validity	Wearable validity / sensors	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/jcm15103892

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SR-0045	sihanto et al., 2026	Digital Biomarkers / Wearables	Prognostic / risk prediction	R0	C2	EC3	T1	CU1	NA	Training load / workload / injury	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s11332-026-01809-3
SR-0046	hanief et al., 2026	Digital Biomarkers / Wearables	Prognostic / risk prediction	R0	C1	EC2	T2	CU1	NA	Wearable validity / sensors	High for review-level descriptive appraisal	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.26773/smj.260219
SR-0047	douglas et al., 2012	Imaging / Biomechanics / Neuromuscular	Performance prediction / monitoring	R0	C0	EC1	T1	CU0	NA	Biomechanical injury risk	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3920/cep12003
SR-0048	saki et al., 2013	Imaging / Biomechanics / Neuromuscular	Prognostic / risk prediction	R0	C2	EC1	T2	CU0	NA	Recovery / neuromuscular monitoring	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	NR

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SR-0049	schneider et al., 2019	Imaging / Biomechanics / Neuromuscular	Monitoring / recovery-readiness	R0	C2	EC2	T2	CU0	NA	Imaging / MRI diagnostic markers	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1089/neu.2019.6398
SR-0050	hollander k et al., 2019	Imaging / Biomechanics / Neuromuscular	Monitoring / phenotyping	R1	C1	EC2	T2	CU0	NA	Biomechanical injury risk	Moderate	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1016/j.gaitpost.2019.05.031
SR-0051	vannatta et al., 2020	Imaging / Biomechanics / Neuromuscular	Prognostic / risk prediction	R0	C0	EC2	T2	CU0	NA	Biomechanical injury risk	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1016/j.clinbiomech.2020.104991
SR-0052	fiorese ba et al., 2020	Imaging / Biomechanics / Neuromuscular	Monitoring / phenotyping	R0	C0	EC1	T1	CU0	NA	Biomechanical injury risk	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1016/j.jsams.2020.05.006

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SR-0053	esh r et al., 2020	Imaging / Biomechanics / Neuromuscular	Diagnostic	R 0	C 2	EC 2	T 3	CU 1	Clinical / diagnostic validity	Imaging / MRI diagnostic markers	High for review-level descriptive appraisal	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1136/bmjsem-2020-000764
SR-0054	hoenig t et al., 2022	Imaging / Biomechanics / Neuromuscular	Return-to-sport / rehabilitation decision support	R 1	C 2	EC 2	T 1	CU 1	NA	Imaging / MRI diagnostic markers	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1177/0363546521993807
SR-0055	kellis e et al., 2022	Imaging / Biomechanics / Neuromuscular	Return-to-sport / rehabilitation decision support	R 0	C 0	EC 1	T 1	CU 1	NA	Biomechanical injury risk	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/jfmk7010016
SR-0056	sundaram et al., 2023	Imaging / Biomechanics / Neuromuscular	Monitoring / phenotyping	R 0	C 1	EC 1	T 1	CU 0	NA	Biomechanical injury risk	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1080/02640414.2023.2231317

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SR-0057	kumar et al., 2024	Imaging / Biomechanics / Neuromuscular	Performance prediction / monitoring	R1	C1	EC1	T1	CU0	NA	Biomechanical injury risk	Limited	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.17309/tmfv.2024.4.16
SR-0058	ramachandran et al., 2024	Imaging / Biomechanics / Neuromuscular	Prognostic / risk prediction	R0	C1	EC1	T2	CU0	NA	Biomechanical injury risk	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s40279-024-02022-3
SR-0059	gill et al., 2024	Imaging / Biomechanics / Neuromuscular	Return-to-sport / rehabilitation decision support	R0	C1	EC1	T3	CU1	Clinical / prognostic validation	ACL / knee injury risk & RTS	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1016/j.arthro.2023.12.032
SR-0060	yan et al., 2025	Imaging / Biomechanics / Neuromuscular	Monitoring / phenotyping	R1	C2	EC1	T1	CU0	NA	Imaging / MRI diagnostic markers	Moderate	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1038/s41598-025-07192-2

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SR-0061	alahaidib aa et al., 2025	Imaging / Biomechanics / Neuromuscular	Return-to-sport / rehabilitation decision support	R 0	C 2	EC 1	T 3	CU 2	Predictive / prognostic validation (transportability assessed separately)	Biomechanical injury risk	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.7759/cureus.93210
SR-0062	whittaker jl et al., 2025	Imaging / Biomechanics / Neuromuscular	Prognostic / risk prediction	R 0	C 1	EC 2	T 2	CU 1	NA	Other / cross-domain	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1136/bjsports-2025-109902
SR-0063	whittaker jl et al., 2025	Imaging / Biomechanics / Neuromuscular	Prognostic / risk prediction	R 0	C 0	EC 2	T 2	CU 0	NA	Other / cross-domain	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1136/bjsports-2025-109900
SR-0064	heming ee et al., 2025	Imaging / Biomechanics / Neuromuscular	Prognostic / risk prediction	R 1	C 1	EC 1	T 2	CU 0	NA	Other / cross-domain	Moderate	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1136/bjsports-2025-109907

Review_ID	Citation	Evidence_Domain	Intended_Use_Category	R	C	EC	T	CU	Validation_Subtype	Overlap_Cluster	Appraisal_Confidence	Major_Limitation	Grader	Ambiguity_Rule	DOI
SR-0065	williams et al., 2025	Imaging / Biomechanics / Neuromuscular	Monitoring / recovery-readiness	R0	C0	EC1	T1	CU0	NA	Recovery / neuromuscular monitoring	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3390/jfmk10020230
SR-0066	Paravlic et al., 2025	Imaging / Biomechanics / Neuromuscular	Monitoring / phenotyping	R1	C1	EC2	T3	CU1	Analytical / measurement validity	Neuromuscular measurement / reference values	High for review-level descriptive appraisal	Replication independence could not be demonstrated with sufficient traceability from the available review-level documentation; downgraded from R2 to R1 after the replication audit.	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.5114/biol sport.2025.139853
SR-0067	claudino jg et al., 2019	AI / Multimodal Analytics	Prognostic / risk prediction	R0	C0	EC1	T2	CU0	NA	Performance prediction / monitoring	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1186/s40798-019-0202-3
SR-0068	bullock gs et al., 2022	AI / Multimodal Analytics	Prognostic / risk prediction	R0	C0	EC1	T2	CU0	NA	AI injury prediction	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1007/s40279-022-01698-9

Review_ID	Citation	Evidence_Domain	Intended_Use_Category	R	C	EC	T	CU	Validation_Subtype	Overlap_Cluster	Appraisal_Confidence	Major_Limitation	Grader	Ambiguity_Rule	DOI
SR-0069	xiang l et al., 2022	AI / Multimodal Analytics	Monitoring / phenotyping	R 0	C 0	EC 1	T 2	CU 1	NA	Wearable validity / sensors	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3389/fnbot.2022.913052
SR-0070	nawi et al., 2025	AI / Multimodal Analytics	Prognostic / risk prediction	R 0	C 2	EC 1	T 2	CU 0	NA	AI injury prediction	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.47836/pjst.33.6.13
SR-0071	yuan j et al., 2026	AI / Multimodal Analytics	Return-to-sport / rehabilitation decision support	R 0	C 1	EC 2	T 2	CU 1	NA	AI injury prediction	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1177/20552076251408523
SR-0072	yuan j et al., 2026	AI / Multimodal Analytics	Prognostic / risk prediction	R 1	C 1	EC 2	T 3	CU 0	Predictive / prognostic validation (transportability assessed separately)	AI injury prediction	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.52082/jssm.2026.172

Review_ID	Citation	Evidence_Domain	Intended_Use_Category	R	C	EC	T	CU	Validation_Subtype	Overlap_Cluster	Appraisal_Confidence	Major_Limitation	Grader	Ambiguity_Rule	DOI
SR-0073	bingols et al., 2026	AI / Multimodal Analytics	Prognostic / risk prediction	R0	C0	EC1	T3	CU0	Predictive / prognostic validation (transportability assessed separately)	AI injury prediction	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1016/j.j.knee.2026.104581
SR-0074	satijar et al., 2026	AI / Multimodal Analytics	Return-to-sport / rehabilitation decision support	R0	C1	EC1	T3	CU1	Predictive / prognostic validation (transportability assessed separately)	AI injury prediction	Limited	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.3389/fspor.2026.1862870
SR-0075	lous et al., 2026	AI / Multimodal Analytics	Prognostic / risk prediction	R0	C1	EC2	T2	CU1	NA	AI injury prediction	Moderate	NR	Assessor 1 graded; Assessor 2 independently re-evaluated all R/C/EC/T/CU assignments; disagreements were resolved by discussion to consensus.	Lower supported category assigned when between adjacent levels	10.1038/s41598-026-59571-y

Supplementary Table 6. Replication Verification

Review ID	Citation	DOI	Traceability source	Final replication grade	Reason for final grade
SR-0001	tabor jb et al., 2023	10.1136/bjsports-2022-106680	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.
SR-0004	clemente fm et al., 2025	10.1186/s40798-025-00952-4	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.
SR-0013	ipekoglu et al., 2024	10.14440/jbm.2024.0013	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.
SR-0014	ferreira cp et al., 2024	10.1186/s13102-024-01001-5	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.
SR-0019	greenham g et al., 2018	10.1007/s40279-018-0969-2	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.
SR-0030	lindsey b et al., 2025	10.1371/journal.pone.0321223	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.
SR-0050	hollander k et al., 2019	10.1016/j.gaitpost.2019.05.031	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.
SR-0057	kumar et al., 2024	10.17309/tmfv.2024.4.16	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.

Review ID	Citation	DOI	Traceability source	Final replication grade	Reason for final grade
SR-0060	yan et al., 2025	10.1038/s41598-025-07192-2	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.
SR-0064	heming ee et al., 2025	10.1136/bjsports-2025-109907	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.
SR-0066	Paravlic et al., 2025	10.5114/biol sport.2025.139853	Not sufficiently demonstrated from the available review-level extraction/source documentation; a complete primary-study/cohort independence map was not available.	R1	R2 requires demonstrably independent athlete cohorts or primary studies. Because independence could not be established with record-level traceability, the lower supported category was assigned.

Supplementary Table 7. Overlap Clusters

Overlap_Cluster	No_Reviews	Review_IDs	Overlap_Priority	Overlap_Assessment	Quantitative_Overlap_Status
Wearable validity / sensors	12	SR-0002; SR-0007; SR-0034; SR-0035; SR-0036; SR-0037; SR-0040; SR-0042; SR-0043; SR-0044; SR-0046; SR-0069	High overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Genetic athletic performance	10	SR-0008; SR-0009; SR-0010; SR-0011; SR-0012; SR-0013; SR-0014; SR-0016; SR-0017; SR-0018	High overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Biomechanical injury risk	9	SR-0047; SR-0050; SR-0051; SR-0052; SR-0055; SR-0056; SR-0057; SR-0058; SR-0061	High overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Molecular fatigue / readiness biomarkers	9	SR-0003; SR-0019; SR-0020; SR-0022; SR-0027; SR-0028; SR-0029; SR-0030; SR-0031	High overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
AI injury prediction	8	SR-0006; SR-0068; SR-0070; SR-0071; SR-0072; SR-0073; SR-0074; SR-0075	High overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Training load / workload / injury	5	SR-0004; SR-0033; SR-0039; SR-0041; SR-0045	High overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Imaging / MRI diagnostic markers	4	SR-0049; SR-0053; SR-0054; SR-0060	Moderate overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Other / cross-domain	4	SR-0005; SR-0062; SR-0063; SR-0064	Moderate overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Sport concussion / head impact	4	SR-0001; SR-0021; SR-0025; SR-0038	Moderate overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Metabolomics / microbiome / omics	3	SR-0015; SR-0024; SR-0026	Moderate overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Recovery / neuromuscular monitoring	3	SR-0023; SR-0048; SR-0065	Moderate overlap priority	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Performance prediction / monitoring	2	SR-0066; SR-0067	Low overlap / unique	Do not treat multiple reviews in this cluster as independent replication until primary-study overlap is resolved.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
ACL / knee injury risk & RTS	1	SR-0059	Low overlap / unique	No obvious review-level overlap within locked corpus.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster
Cardiac / HRV screening	1	SR-0032	Low overlap / unique	No obvious review-level overlap within locked corpus.	Not calculated; complete primary-study citation matrices unavailable for all reviews in cluster

Supplementary Table 8. Domain Evidence Summary

Evidence_Domain	Reviews_n	R2_plus	C2_plus	EC3_plus	T3_plus	CU2_plus	Key_Interpretation
Cross-domain / Precision	7	0	1	0	0	0	Multimodal and cross-domain reviews are expanding, but implementation evidence remains sparse; most evidence remains pre-utility.
Genomics / Epigenomics	11	0	6	0	0	0	Candidate-gene associations are heterogeneous; deterministic talent prediction is not supported by the current review-level evidence.
Molecular Omics / Biomarkers	13	0	4	0	1	0	Many biomarkers respond to training/fatigue/recovery, but specificity, external validation and actionable thresholds remain limited.
Digital Biomarkers / Wearables	15	0	3	1	3	0	Measurement validity is device-, protocol- and context-dependent; longitudinal monitoring is more mature than outcome-guided intervention.
Imaging / Biomechanics / Neuromuscular	20	0	6	0	4	1	Several measures reach validation-level evidence for diagnosis/phenotyping/RTS, but subgroup dependence and limited prospective utility remain important.
AI / Multimodal Analytics	9	0	1	0	3	0	Prediction performance is promising, but calibration, external validation, leakage control and prospective decision-impact evidence are major gaps.
Sensitivity analysis							
Sensitivity_Subset	Subset_n	R2_plus	C2_plus	EC3_plus	T3_plus	CU2_plus	Interpretation
All prioritized reviews	75	0	21	1	11	1	No T4/T5 or CU3/CU4 evidence in this subset; overarching translational-scarcity conclusion unchanged.
Methods-rich evidence only	14	0	3	0	3	0	No T4/T5 or CU3/CU4 evidence in this subset; overarching translational-scarcity conclusion unchanged.

Evidence_Domain	Reviews_n	R2_plus	C2_plus	EC3_plus	T3_plus	CU2_plus	Key_Interpretation
Methods-rich + abstract/metadata with method signals	56	0	16	1	8	1	No T4/T5 or CU3/CU4 evidence in this subset; overarching translational-scarcity conclusion unchanged.
Published 2020 or later	63	0	16	1	10	1	No T4/T5 or CU3/CU4 evidence in this subset; overarching translational-scarcity conclusion unchanged.
Meta-analysis component	31	0	8	1	3	0	No T4/T5 or CU3/CU4 evidence in this subset; overarching translational-scarcity conclusion unchanged.