Supplementary Material

Lower-Extremity Injuries in Adolescent Tennis Players: A Review of Epidemiology, Maturation-Related Risk, Rehabilitation, and Return to Sport

Contents: Supplementary Methods S1 (full search strategies); Supplementary Figure S1 (flow of records); Supplementary Table S2 (PubMed record-level disposition); Supplementary Table S3 (Google Scholar records and duplicate-removal log); Supplementary Table S4 (verification search for rehabilitation trials); Supplementary Table S5 (source route and population tier of every reference).

Supplementary Methods S1 | Full search strategies

Primary PubMed strategy (original search August 8, 2026; re-run September 4, 2026; 117 records):

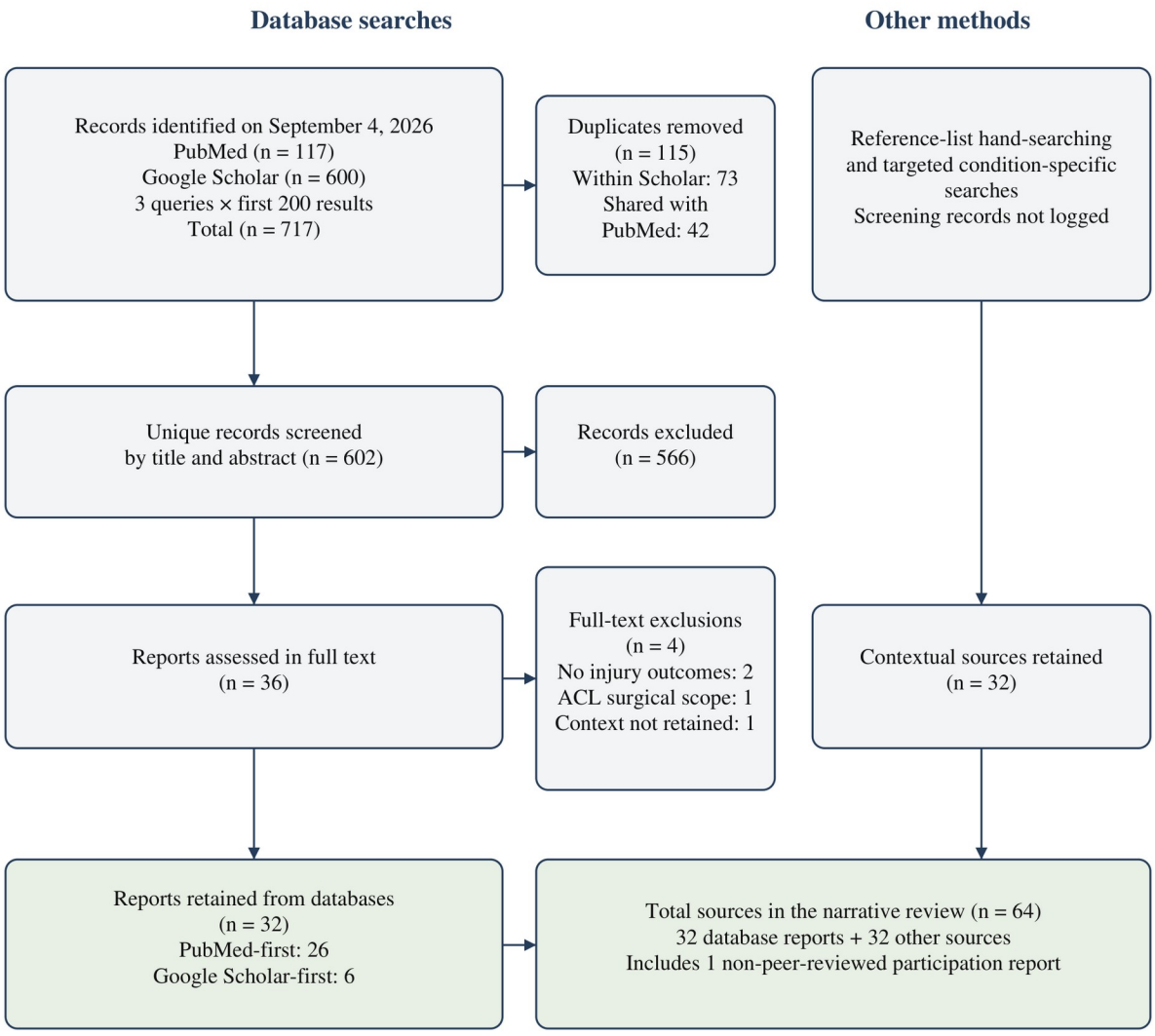
("Tennis"[MeSH Terms] OR "Tennis"[Title/Abstract]) AND ("Adolescent"[MeSH Terms] OR "adolescent*"[Title/Abstract] OR "youth*"[Title/Abstract] OR "junior*"[Title/Abstract]) AND ("Lower Extremity"[MeSH Terms] OR "Lower Extremity"[Title/Abstract] OR "lower limb"[Title/Abstract] OR "ankle*"[Title/Abstract] OR "knee*"[Title/Abstract] OR "thigh*"[Title/Abstract] OR "leg"[Title/Abstract] OR "legs"[Title/Abstract] OR "foot"[Title/Abstract] OR "feet"[Title/Abstract] OR "hip"[Title/Abstract] OR "hips"[Title/Abstract] OR "groin*"[Title/Abstract]) AND ("Epidemiology"[MeSH Terms] OR "Rehabilitation"[MeSH Terms] OR "Return to Sport"[MeSH Terms] OR "injury"[Title/Abstract] OR "injuries"[Title/Abstract] OR "epidemiol*"[Title/Abstract] OR "Rehabilitation"[Title/Abstract] OR "rehab*"[Title/Abstract] OR "Return to Sport"[Title/Abstract] OR "return to play"[Title/Abstract])

Google Scholar queries (August 2026; re-run September 4, 2026; first 200 results of each query exported): [youth tennis lower extremity injury epidemiology]; [junior tennis ankle knee hip rehabilitation]; [adolescent tennis return to sport growth]. Duplicates were identified by normalized-title matching (Supplementary Table S3).

Verification search for adolescent tennis rehabilitation trials (September 4, 2026; 36 records; Supplementary Table S4):

("Tennis"[MeSH Terms] OR "tennis"[Title/Abstract]) AND ("Adolescent"[MeSH Terms] OR "adolescent*"[Title/Abstract] OR "youth*"[Title/Abstract] OR "junior*"[Title/Abstract] OR "pediatric"[Title/Abstract] OR "paediatric"[Title/Abstract]) AND ("rehabilitat*"[Title/Abstract] OR "Rehabilitation"[MeSH Terms] OR "Exercise Therapy"[MeSH Terms] OR "return to sport"[Title/Abstract] OR "return to play"[Title/Abstract]) AND (randomizedcontrolledtrial[Filter] OR controlledclinicaltrial[Filter] OR "randomi*"[Title/Abstract] OR "trial"[Title/Abstract])

Supplementary Figure S1 | Search and selection flow with final revision decisions



Selection decisions updated during revision on September 27, 2026.
PubMed title/abstract screening: author and mentor independently, as reported in Methods.
Google Scholar screening and full-text assessment: author; mentor reviewed inclusion decisions.
Reports, rather than unique cohorts, are counted. Hjelm 2010/2012 share a cohort;
Docters 2026 and Mysore 2026 use the same NEISS surveillance window.
The separate 36-record rehabilitation-trial search is documented in Table S4.

Search and selection flow for the structured narrative review. Search records were retrieved on September 4, 2026; final selection decisions were updated during revision on September 27, 2026. Duplicates were identified by title matching and review of duplicate labels. PubMed title/abstract records were screened independently by the author and the physician mentor; Google Scholar records were single-screened. The author assessed full texts, with the mentor reviewing inclusion decisions. Screening counts for the 32 sources identified through reference-list hand-searching and targeted searches were not recorded. Sources are counted as reports; the Swedish junior cohort (Hjelm 2010, 2012) and the NEISS 2014–2023 dataset (Docters 2026; Mysore 2026) each contribute two reports.

Supplementary Table S2 | Record-level disposition of the 117 PubMed records retrieved by the full search strategy (re-run September 4, 2026)

Green = included (13 in the original submission; 13 added during revision). Yellow = excluded after full-text assessment. Unshaded = not retained after title/abstract assessment. Reasons distinguish ineligibility from selective use of contextual sources in this narrative review. Similar topic coverage is not treated as proof of a duplicate dataset. Reference numbers refer to the revised manuscript. The original 117 records remain in retrieval order; the final disposition supersedes the provisional screening sheet.

PMID	Year	Journal	Title	Decision	Reason / note
42272413	2026	Vopr Pitan	[Bone mineral density and diet of young tennis players] (Russian)	Excluded (title/abstract)	not in English
41999628	2026	Phys Sportsmed	Descriptive epidemiology of pediatric tennis injuries: insights from a decade of national data	Included (original)	Ref 18 (Docters)
41991148	2026	J Sport Rehabil	Epidemiology of injuries in high school tennis players	Included (original)	Ref 17 (Upshaw)
41966791	2026	Injury	Gender- and age-specific patterns of tennis-related injuries in pediatric populations: ER data 2014-2023	Included (added at revision)	Ref 19
41963739	2026	Sports Med Open	Tennis serve biomechanics, joint load mechanics and overuse injuries: narrative review	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Related review; not adolescent- or LE-specific
41944689	2026	J Strength Cond Res	Accelerometry insights into gym-based plyometric exercises	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology); Performance/methodology
41595928	2026	Int J Environ Res Public Health	Racket sports-related injuries in youth athletes: narrative review	Included (original)	Ref 8 (Shrestha)
41489689	2026	Clin J Sport Med	Case study: hip pain and FAI in professional table tennis players	Excluded (title/abstract)	single case report; Also table tennis, adults
41305878	2026	Sports Health	Tennis 10+ warm-up/cool-down: 1-year compliance and injury rates in adult recreational players	Included (added at revision)	Ref 34 (Render). Adult observational prevention-program cohort; retained as Tier 5 context. This is not a surgical or arthroplasty study.

PMID	Year	Journal	Title	Decision	Reason / note
41245962	2025	J Hum Kinet	Reliability/validity of leg lateral reach test in adolescent tennis players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology); Screening-test methodology
41150471	2025	Sports (Basel)	Risk factors and prevention of MSK injuries in adolescent and adult high-performance tennis players: SR	Included (original)	Ref 7 (Amor-Salamanca)
41131145	2025	Sci Rep	Complex training and CMJ/COD skills in female junior table tennis players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology); Table tennis, performance
40870523	2025	Medicina (Kaunas)	Epidemiology of tennis-related injuries among competitive youth players in Tunisia	Included (original)	Ref 16 (Layouni)
40798930	2026	Res Sports Med	Acute effects of prolonged static stretching on performance and flexibility	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
40760328	2025	Eur J Orthop Surg Traumatol	Needle arthroscopy for posterior ankle impingement in athletes	Excluded (title/abstract)	Surgical or arthroplasty outcomes; not selected for the narrative management scope.
40475689	2025	Radiol Case Rep	Focal periphyseal edema of the knee in a junior youth tennis player: case report	Excluded (title/abstract)	single case report; Excluded per stated criteria
39593626	2024	J Bodyw Mov Ther	Incidence of lower limb tendinopathy: 3-year prospective study of youth elite athletes (Brazil)	Included (added at revision)	Ref 41
39140729	2024	Am J Sports Med	Fresh osteochondral allograft transplantation of the capitellum for OCD	Excluded (title/abstract)	upper-extremity focus
38767118	2024	J Pediatr Orthop	Athletic identity and fear avoidance in adolescent RTS preparation	Included (added at revision)	Ref 61
38007174	2024	J Shoulder Elbow Surg	Hip, core and kinetic chain in the overhead athlete	Excluded (title/abstract)	upper-extremity focus; Shoulder-function review
37978986	2024	Int J Sports Physiol Perform	Neuromuscular training on sand vs hard surfaces, fitness in young male tennis players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)

PMID	Year	Journal	Title	Decision	Reason / note
37881190	2023	Arthrosc Sports Med Rehabil	Lower-extremity injuries predominate in American high school tennis players	Included (original)	Ref 5 (Llanes)
32809514	2026	StatPearls	Lumbosacral spondylolisthesis	Excluded (title/abstract)	spine/low-back focus; Reference text chapter
36844270	2023	Front Psychol	Racket scaling effects on serve biomechanics and performance	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
36673841	2023	Int J Environ Res Public Health	Plyometric training with resistance bands, neuromuscular characteristics in junior tennis	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
36038652	2023	Eur J Orthop Surg Traumatol	Acute injuries in badminton ages 10-66	Excluded (title/abstract)	population or topic not relevant; Other racket sport, mixed ages, no separable youth data
35897267	2022	Int J Environ Res Public Health	High-arched supination and cuboid-dropped foot syndromes in elite tennis gait	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
35350941	2023	Sports Health	Chronological age, maturity status and lower-body measurements/asymmetries in elite youth tennis	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology); Screening study without injury outcomes
35037501	2022	Sports Health	Age and gender differences in injuries and risk factors in elite junior and professional tennis players	Included (added at revision)	Ref 15
34370212	2022	Sports Med	Primary periphyseal stress injuries in young athletes: systematic review	Included (added at revision)	Ref 31
34296664	2022	Eur J Sport Sci	BIA quantification of limb asymmetry in youth elite tennis	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
34292954	2021	PLoS One	Serve kinematics from ad/deuce positions in elite junior players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)

PMID	Year	Journal	Title	Decision	Reason / note
34281693	2021	Injury	Diagnosis and follow-up MRI evaluation of tennis leg	Excluded (title/abstract)	Mixed-age MRI series (7–81 years); tennis participation was not established. Not selected for contextual calf-injury coverage, which uses refs 49/50. Not an exclusively adult or surgical study.
34214873	2021	Phys Ther Sport	~40% of adolescent athletes report anterior knee pain regardless of maturation	Included (added at revision)	Ref 39
33756410	2021	Gait Posture	Body sway in single-leg stance in athletes with ankle sprain history	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology); Lab study
33719607	2021	Am J Sports Med	Early specialization among former NCAA athletes	Excluded (title/abstract)	population or topic not relevant; Specialization covered by ref 27 (Jayanthi 2015)
33602024	2022	Phys Sportsmed	Racket and paddle sports injuries in US EDs 2007-2016	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Mixed-age ED data; topic coverage represented by refs 18/20
33492271	2021	J Back Musculoskelet Rehabil	Post-activation performance enhancement warm-up in elite tennis	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
33457434	2021	Orthop J Sports Med	Acute tennis injuries in the recreational tennis player	Included (original)	Ref 24 (Kaiser)
32576242	2020	BMC Musculoskelet Disord	Return to play after hip arthroscopy among tennis players	Excluded (title/abstract)	Surgical or arthroplasty outcomes; not selected for the narrative management scope.
31928289	2020	Phys Sportsmed	A 2-year prospective study of injuries and illness in an elite national junior tennis program	Included (added at revision)	Ref 14
31561325	2020	J Back Musculoskelet Rehabil	Exercise types and lipid profile in sedentary young women	Excluded (title/abstract)	population or topic not relevant
31366295	2019	J Orthop Sports Phys Ther	Fifth metatarsal avulsion fracture in an adolescent tennis player	Excluded (title/abstract)	single case report; Excluded per stated criteria
31356120	2020	Phys Sportsmed	Beach tennis injuries: survey of 206 elite and recreational players	Excluded (title/abstract)	population or topic not relevant; Beach tennis, mixed ages

PMID	Year	Journal	Title	Decision	Reason / note
31311243	2019	J Sports Med Phys Fitness	Epidemiology of musculoskeletal injuries in tennis players: risk factors	Included (added at revision)	Ref 32
30783695	2019	Int Orthop	Perceived sports skills after primary hip arthroplasty	Excluded (title/abstract)	Surgical or arthroplasty outcomes; not selected for the narrative management scope.
30614792	2019	J Back Musculoskelet Rehabil	Hip ROM in young elite tennis players with/without low back pain	Excluded (title/abstract)	spine/low-back focus
29958840	2019	J Sci Med Sport	Multi-year injury epidemiology of an elite national junior tennis program	Included (original)	Ref 6 (Gescheit)
29316593	2017	Surg Technol Int	Demographics of tennis-related injuries in US EDs	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Mixed-age ED data; topic coverage represented by refs 18/20
29315449	2017	Surg Technol Int	Trends of tennis-related sprains/strains in the US 2010-2016	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Mixed-age ED data; topic coverage represented by refs 18/20
29162768	2017	Tohoku J Exp Med	Coexistence of trunk/LE pain with elbow/shoulder pain in young overhead athletes	Excluded (title/abstract)	upper-extremity focus; UE-anchored pain survey
28853317	2017	Eur J Sport Sci	Shoe drop and lower limb biomechanics of children tennis players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
28447871	2017	Sports Health	Specialization, sex and anterior Y-balance in high school athletes	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology); Screening study
27882915	2018	J Sports Med Phys Fitness	Shoulder and hip rotation ROM in adolescent tennis players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology); ROM profile
27692798	2017	J Sci Med Sport	Biomechanical responses to changes in friction on a clay court surface	Included (original)	Ref 36 (Starbuck)
29465860	2016	Afr J Med Med Sci	Sport participation and injuries among Nigerian undergraduates	Excluded (title/abstract)	population or topic not relevant

PMID	Year	Journal	Title	Decision	Reason / note
27134216	2016	Phys Ther Sport	Descriptive profile of hip ROM in elite tennis players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
26620687	2016	Int J Rheum Dis	Epidemiology of rheumatic diseases in Iran (COPCORD)	Excluded (title/abstract)	population or topic not relevant
26333792	2016	J Sports Med Phys Fitness	ACL injury patterns in Chinese college students	Excluded (title/abstract)	population or topic not relevant
26260555	2015	Acta Med Indones	Endurance exercise in intellectual disability with obesity: RCT	Excluded (title/abstract)	population or topic not relevant
26200196	2016	J Strength Cond Res	Methods assessing lower-body stretch-shortening cycle utilization	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
25756284	2015	Int J Sports Physiol Perform	Predeparture training loads and post-tour capacities in junior tennis	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
25746370	2015	Hum Mov Sci	Kinaesthetic sensitivity of skilled performers	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
25214532	2014	Am J Sports Med	Hip ROM and association with injury in female professional tennis players	Excluded (title/abstract)	Professional-tennis cross-sectional study; the positive association concerned abdominal strain. No association between hip range of motion and lower-extremity injury was found. Not selected for the narrative synthesis; not a surgical or arthroplasty study.
24926911	2015	Clin J Sport Med	A closer look at overuse injuries in the pediatric athlete	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; General pediatric overuse review; content covered by included consensus/reviews
25971131	2014	Vestn Ross Akad Med Nauk	[Sports type, age and musculoskeletal pathology] (Russian)	Excluded (title/abstract)	not in English
24313387	2015	Scand J Med Sci Sports	Swedish translation/validation of OSTRC overuse questionnaire	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology); Methodology

PMID	Year	Journal	Title	Decision	Reason / note
24284946	2014	Clin J Sport Med	Tennis-related injuries treated in US EDs, 1990-2011	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Gaw 2014; mixed-age ED data; topic coverage represented by refs 18/20
24149169	2013	J Sports Sci Med	Sagittal spinal morphology in highly trained adolescent tennis players	Excluded (title/abstract)	spine/low-back focus
24030308	2013	Curr Sports Med Rep	Racket sports (review)	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Covered by refs 2/3/8
23877374	2014	Med Sci Sports Exerc	Back pain in tennis players: lumbar serve kinematics and ROM	Excluded (title/abstract)	spine/low-back focus
23470302	2013	Med Sci Sports Exerc	Lumbar loading in the elite adolescent tennis serve: link to low back pain	Excluded (title/abstract)	spine/low-back focus
23388673	2013	Am J Sports Med	Isolated ATFL Brostrom repair for chronic lateral ankle instability: 9-year follow-up	Excluded (title/abstract)	Surgical or arthroplasty outcomes; not selected for the narrative management scope.
22554841	2012	Br J Sports Med	Epidemiology of musculoskeletal injury in the tennis player (Abrams)	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; related topic covered using refs 2/3
22317104	2012	Work	Muscular activity in locomotion with various shoe types and barefoot	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
22048746	2012	Knee Surg Sports Traumatol Arthrosc	BTB vs hamstring autograft ACL reconstruction in the young athlete	Excluded (full-text assessment)	Outside scope: surgical anterior cruciate ligament reconstruction outcomes; the review does not address ACL reconstruction
21335356	2011	Am J Sports Med	Isolated tears of the gracilis muscle	Excluded (title/abstract)	Small clinical case series of gracilis tears; not selected for the narrative muscle-injury discussion. This is not a single case report.
20710023	2011	Br Med Bull	Sport injuries: a review of outcomes	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; General review

PMID	Year	Journal	Title	Decision	Reason / note
20703159	2010	J Strength Cond Res	Six-week neuromuscular training program for competitive junior tennis players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology); Performance outcomes only; prevention-adjacent
20561286	2012	Scand J Med Sci Sports	Injury risk factors in junior tennis players: prospective 2-year study	Included (added at revision)	Ref 26
20238099	2010	Knee Surg Sports Traumatol Arthrosc	Injury profile in junior tennis players: prospective two year study	Included (original)	Ref 23 (Hjelm 2010)
20120687	2009	J Med Assoc Thai	Sports injury epidemiology at 37th Thailand National Games	Excluded (title/abstract)	population or topic not relevant
19684291	2009	Am J Sports Med	Hip arthroscopy in athletes: 10-year follow-up	Excluded (title/abstract)	Surgical or arthroplasty outcomes; not selected for the narrative management scope.
19675471	2009	J Strength Cond Res	Physical determinants of tennis performance in competitive teenage players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
19486483	2010	Scand J Med Sci Sports	Ultrasound of patellar tendon attachment during puberty: 12-month follow-up in tennis players	Included (added at revision)	Ref 42
19108813	2008	Gend Med	Gender differences in sports injuries in a Japanese clinic	Excluded (title/abstract)	population or topic not relevant
18591603	2008	J Bone Joint Surg Br	Return to sport after joint replacement	Excluded (title/abstract)	Surgical or arthroplasty outcomes; not selected for the narrative management scope.
17957008	2007	Br J Sports Med	Age-specific knee extension/flexion strength in elite junior tennis players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
17601767	2007	Br J Sports Med	Hip strength and frontal plane knee posture during forward lunge	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)

PMID	Year	Journal	Title	Decision	Reason / note
17586583	2007	Br J Sports Med	Sports-related acute and chronic avulsion injuries in children and adolescents with special emphasis on tennis	Included (added at revision)	Ref 57
17387220	2007	Am J Sports Med	Hip rotation ROM in elite tennis players and professional baseball pitchers	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
16760563	2006	J Appl Biomech	Playing surfaces and biomechanics of a tennis running forehand foot plant	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Surface biomechanics covered by refs 25/35/36
16603363	2006	Knee	Epidemiology of athletic knee injuries: 10-year study	Excluded (title/abstract)	population or topic not relevant; Mixed-age general knee epidemiology
21522198	2006	N Am J Sports Phys Ther	Returning to sports after periacetabular osteotomy for DDH	Excluded (title/abstract)	Surgical or arthroplasty outcomes; not selected for the narrative management scope.
16095400	2005	J Strength Cond Res	Isokinetic testing vs on-court performance in competitive adolescent tennis players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
15164294	2004	Sportverletz Sportschaden	[Injuries and complaints in competitive tennis and leisure sports] (German)	Excluded (title/abstract)	not in English
12801210	2003	J Sci Med Sport	Range of motion in junior tennis players in an injury risk modification program	Excluded (full-text assessment)	No injury outcomes: two-year flexibility program in junior tennis players reported range-of-motion changes only
12801206	2003	J Sci Med Sport	Medical assistance at the Brazilian juniors tennis circuit: one-year prospective study	Included (added at revision)	Ref 22
11531034	2001	Int J Sports Med	Comparing sports injuries in men and women	Excluded (title/abstract)	population or topic not relevant
11032216	2000	Am J Sports Med	Resistance training volume/periodization in collegiate women tennis players	Excluded (title/abstract)	no injury outcomes (performance, biomechanics, screening, or methodology)
11019740	2000	Clin Sports Med	Musculoskeletal injuries in the young tennis player (Kibler & Safran)	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Content represented by refs 2/3/4

PMID	Year	Journal	Title	Decision	Reason / note
10959925	2000	Clin J Sport Med	Menstrual cycle and ACL laxity in adolescent female athletes	Excluded (full-text assessment)	Outside scope and not tennis: menstrual-cycle variation in ACL laxity (mechanistic measurement, no injury outcomes)
10478389	1999	Sportverletz Sportschaden	[Tennis leg: ultrasound differential diagnosis and follow-up] (German)	Excluded (title/abstract)	not in English
10478388	1999	Sportverletz Sportschaden	[Epidemiology of sports injuries: 25-year analysis] (German)	Excluded (title/abstract)	not in English
9777684	1998	Sports Med	Common sports injuries in young tennis players	Included (original)	Ref 4 (Bylak)
7658943	1995	Med Sci Sports Exerc	Injury surveillance at the USTA Boys' Tennis Championships: 6-yr study	Included (original)	Ref 21 (Hutchinson)
27425238	1994	Phys Sportsmed	Painful knees: when damaged menisci are the cause	Excluded (title/abstract)	population or topic not relevant; Clinical feature article, adults
8289141	1993	J Am Podiatr Med Assoc	Lower extremity tennis injuries: prevalence, etiology, and mechanism	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Historical review; content covered by refs 2/3/4
1784877	1991	Sports Med	Osteitis pubis in athletes: infection, inflammation or injury?	Excluded (full-text assessment)	Contextual adult osteitis-pubis review not selected for this narrative synthesis; the groin differential is represented by refs 4/57/58.
1874345	1991	Del Med J	Sports injuries and adolescent athletes	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Historical general review
1974118	1990	Aktuelle Traumatol	[Arthroscopy of traumatic hemarthrosis after sports injuries] (German)	Excluded (title/abstract)	not in English
2568034	1989	West J Med	Wound site as predictor of complications after deep nail punctures to the foot	Excluded (title/abstract)	population or topic not relevant
3390872	1988	Clin Sports Med	Upper extremity injuries in adolescent tennis players	Excluded (title/abstract)	upper-extremity focus; Excluded per stated criteria
2898980	1988	Clin Sports Med	Leg and foot injuries in racquet sports	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Historical review; covered by refs 2/3/4/49

PMID	Year	Journal	Title	Decision	Reason / note
3435816	1987	Br J Sports Med	Racquet sports: patterns of injury presenting to a sports injury clinic	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Mixed-age clinic series; historical
6774624	1980	Am J Sports Med	Air stirrup management of ankle injuries in the athlete	Excluded (title/abstract)	Contextual source not selected for the narrative synthesis; Historical management study; superseded by ref 37 CPG
464171	1979	Am J Sports Med	Strains of the posterior calf musculature (tennis leg)	Included (original)	Ref 49 (Millar)

Supplementary Table S3 | Google Scholar records (three queries, first 200 results each; September 4, 2026) with duplicate-removal log

Duplicate = a record already listed earlier in the search log (73 records); In PubMed set = also retrieved by the PubMed strategy (42 unique records). Three records already labeled as duplicates in their titles (Q1 #172, Q2 #65, and Q2 #120) were assigned the missing duplicate flags during the final consistency check. Remaining records not included were excluded at title/abstract screening by the author. Included records first retrieved by Google Scholar are marked Google Scholar-first (6 references).

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	1	Epidemiology of injuries in tennis players — Fu 2018			Included (ref 2; Google Scholar-first)
Q1	2	Epidemiology of tennis-related injuries among competitive youth players in Tunisia: Frequency, characteristics, and management patterns — Layouni 2025		Yes	Included via PubMed record (PMID 40870523)
Q1	3	A multi-year injury epidemiology analysis of an elite national junior tennis program — Gescheit 2019		Yes	Included via PubMed record (PMID 29958840)
Q1	4	Lower-Extremity Injuries Predominate in American High School Tennis Players — Llanes 2023		Yes	Included via PubMed record (PMID 37881190)
Q1	5	Age and gender differences in injuries and risk factors in elite junior and professional tennis players — Rice 2022		Yes	Included via PubMed record (PMID 35037501)
Q1	6	Musculoskeletal injuries in the young tennis player — Kibler 2000		Yes	Not included
Q1	7	Tennis injuries — Kibler 2005			Not included
Q1	8	Injury profile in junior tennis players: a prospective two year study — Hjelm 2010		Yes	Included via PubMed record (PMID 20238099)
Q1	9	Epidemiology of musculoskeletal injury in the tennis player — Abrams 2012		Yes	Not included
Q1	10	Common sports injuries in young tennis players — Bylak 1998		Yes	Included via PubMed record (PMID 9777684)
Q1	11	Risk factors and prevention of musculoskeletal injuries in adolescent and adult high-performance tennis players: A systematic review — Amor-Salamanca 2025		Yes	Included via PubMed record (PMID 41150471)

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	12	Descriptive epidemiology of pediatric tennis injuries: insights from a decade of national data — Docters 2026		Yes	Included via PubMed record (PMID 41999628)
Q1	13	Gender-and age-specific patterns of tennis-related injuries in pediatric populations: Insights from emergency room data (2014-2023) — Mysore 2026		Yes	Included via PubMed record (PMID 41966791)
Q1	14	Tennis injuries: occurrence, aetiology, and prevention — Pluim 2006			Not included
Q1	15	Epidemiology of tennis injuries — Pluim 2019			Not included
Q1	16	Tennis injuries: epidemiology, pathophysiology, and treatment — Dines 2015			Included (ref 3; Google Scholar-first)
Q1	17	Prevalence of musculoskeletal conditions in tennis-teaching professionals — Colberg 2016			Not included
Q1	18	Screening and analysis for upper and lower limb injuries in tennis and related sports: A scoping review and recommendations for the LTA — 2025			Not included
Q1	19	Tennis: epidemiology and injury mechanism — Di Giacomo 2016			Not included
Q1	20	Injury epidemiology of tennis players at the 2011-2016 Australian Open Grand Slam — Gescheit 2017			Not included
Q1	21	Risk factors for musculoskeletal injuries in elite junior tennis players: a systematic review — Oosterhoff 2019			Not included
Q1	22	Development of upper and lower extremity functional asymmetries in male and female elite youth tennis players: a longitudinal study — Chapelle 2023			Not included
Q1	23	Injury surveillance at the USTA Boys' Tennis Championships: a 6-yr study — Hutchinson 1995		Yes	Included via PubMed record (PMID 7658943)
Q1	24	Epidemiology of National Collegiate Athletic Association men's and women's tennis injuries, 2009/2010-2014/2015 — Lynall 2016			Not included
Q1	25	Incidence of lower limb tendinopathy: A 3-year prospective study of a youth elite athletes in a Brazilian sport club — Bittencourt 2024		Yes	Included via PubMed record (PMID 39593626)
Q1	26	Epidemiology and risk factors of table-tennis-related injuries: findings from a scoping review of the literature — Biz 2022			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	27	The association between chronological age and maturity status on lower body clinical measurements and asymmetries in elite youth tennis players — Lopez-Valenciano 2023		Yes	Not included
Q1	28	Effects of maturation on lower limb neuromuscular asymmetries in elite youth tennis players — Madruga-Parera 2019			Not included
Q1	29	Epidemiology of injuries in racket sports: a cross-sectional study of specific injuries within one olympic cycle — Lambert 2025			Not included
Q1	30	Tennis injuries among German league players: investigating patterns and epidemiology of acute and chronic injuries — Krueckel 2024			Not included
Q1	31	Musculoskeletal injuries in tennis — Perkins 2006			Not included
Q1	32	Epidemiology and mechanisms of tennis-related ankle and foot injuries presenting to United States emergency departments: A 10-year national analysis (2015-2024) — Srivastava 2026			Not included
Q1	33	Musculoskeletal Injuries and Illness in Professional British Tennis Players: An Injury Surveillance Study — Nutt 2025			Not included
Q1	34	Trends and epidemiology of tennis-related sprains/strains in the United States, 2010 to 2016 — Chevinsky 2017		Yes	Not included
Q1	35	A one-season prospective study of injuries and illness in elite junior tennis — Pluim 2016			Included (ref 12; Google Scholar-first)
Q1	36	Epidemiology and prevention strategies for the musculoskeletal injuries in the paddle-tennis senior players — Castillo-Lozano 2017			Not included
Q1	37	Epidemiology of injuries in National Collegiate Athletic Association men's tennis: 2014-2015 through 2018-2019 — Robison 2021			Not included
Q1	38	Epidemiology of United States tennis-related ocular injuries from 2000 to 2019 — Patel 2023			Not included
Q1	39	Epidemiology of lower leg soft tissue injuries in high school athletes — Spitnale 2022			Not included
Q1	40	Injury risk factors in junior tennis players: a prospective 2-year study — Hjelm 2012		Yes	Included via PubMed record (PMID 20561286)
Q1	41	The Epidemiology of Youth Sport-Related Shoulder Injuries: A Systematic Review — Gibson 2022			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	42	Bioelectrical impedance analysis as a means of quantifying upper and lower limb asymmetry in youth elite tennis players: An explorative study — D'Hondt 2022		Yes	Not included
Q1	43	Injury epidemiology in beach tennis: incidence and risk factors — Rodrigues 2024			Not included
Q1	44	Beach tennis injuries: a cross-sectional survey of 206 elite and recreational players — Berardi 2020		Yes	Not included
Q1	45	Incidence and Prevalence of Musculoskeletal Conditions in Collegiate Tennis Athletes — Colberg 2015			Not included
Q1	46	A review of epidemiology of paediatric elbow injuries in sports — Magra 2007			Not included
Q1	47	Risk factors for upper limb injury in tennis players: a systematic review — Kekelekis 2020			Not included
Q1	48	Morphological and functional asymmetry in elite youth tennis players compared to sex-and age-matched controls — Chapelle 2022			Not included
Q1	49	Epidemiology of musculoskeletal injuries in tennis players during the french open grand slam tournament from 2011 to 2022 — Montalvan 2024			Not included
Q1	50	Incidence, prevalence, and risk factors for elbow and shoulder overuse injuries in youth athletes: A systematic review — Kraan 2019			Not included
Q1	51	Injury trend analysis from the US Open Tennis Championships between 1994 and 2009 — Sell 2014			Not included
Q1	52	Incidence and distribution of pediatric sport-related injuries — Caine 2006			Not included
Q1	53	International vs. National female tennis players: A comparison of upper and lower extremity functional asymmetries — Chapelle 2022			Not included
Q1	54	Risk factors of lower extremity injuries in youth athletes — Kamiya 2023			Included (ref 28; Google Scholar-first)
Q1	55	Adolescent tennis players' injury profile and awareness level of sports injury — Abdioglu 2023			Not included
Q1	56	Incidence rate of musculoskeletal injuries among professional tennis players during 2019 international tournaments in Indonesia — Abadi 2021			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	57	Exploring prevalent injuries among tennis players and optimal rehabilitation approaches: A systematic review protocol — Rodriguez-Gonzalez 2024			Not included
Q1	58	Beyond the Baseline: A Multifactorial Review of Tennis Injuries — Tloczek 2026			Not included
Q1	59	Development of upper-extremity morphological asymmetries in male and female elite youth tennis players: A longitudinal study — Chapelle 2023			Not included
Q1	60	Sports-related acute and chronic avulsion injuries in children and adolescents with special emphasis on tennis — Vandervliet 2007		Yes	Included via PubMed record (PMID 17586583)
Q1	61	Tennis-related injuries treated in United States emergency departments, 1990 to 2011 — Gaw 2014		Yes	Not included
Q1	62	Tennis Sport, Trauma, and Biological Healing — 2026 book			Not included
Q1	63	Risk factors for non-contact lower-limb injury: a retrospective survey in pediatric-age athletes — Guan 2021			Not included
Q1	64	A comparison musculoskeletal injuries among junior and senior paddle-tennis players — Castillo-Lozano 2015			Not included
Q1	65	Acute tennis injuries in the recreational tennis player — Kaiser 2021		Yes	Included via PubMed record (PMID 33457434)
Q1	66	A Coaches Guide to Prevention and Care of Lower Extremity Injuries in Tennis Players — Dollaway 2025			Not included
Q1	67	Epidemiology of Injuries in National Collegiate Athletic Association Women's Tennis: 2014-2015 Through 2018-2019 — Robison 2021			Not included
Q1	68	The effects of skill level on lower-limb injury risk during the serve landing phase in male tennis players — Pan 2025			Not included
Q1	69	The concept of sport sampling versus sport specialization: preventing youth athlete injury: a systematic review and meta-analysis — Carder 2020			Not included
Q1	70	Early sport specialization and intense training in junior tennis players: A sport-specific review — Thurber 2026			Not included
Q1	71	A 2-year prospective study of injuries and illness in an elite national junior tennis program — O'Connor 2020		Yes	Included via PubMed record (PMID 31928289)

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	72	Lateral Asymmetry in Upper and Lower Limb Bioelectrical Impedance Analysis in Youth Tennis Players — Filipcic 2016			Not included
Q1	73	Rates and patterns of lower extremity sports injuries in all gender-comparable US high school sports — Brant 2019			Not included
Q1	74	Lower limb injuries in children in sports — Bruns 2000			Not included
Q1	75	Common and less well-known upper-limb injuries in elite tennis players — Shannon 2020			Not included
Q1	76	Risk Factors for Injuries in Elite Junior and Professional Tennis Players — 2020 thesis			Not included
Q1	77	Risk factors for medical withdrawals in United States tennis association junior national tennis tournaments: a descriptive epidemiologic study — Jayanthi 2009			Not included
Q1	78	Compelling overuse injury incidence in youth multisport athletes — Rejeb 2017			Not included
Q1	79	Tennis Injuries of the Hip and Knee — Colvin 2016			Not included
Q1	80	Epidemiology of sports-related injuries and associated risk factors in adolescent athletes: an injury surveillance — Prieto-Gonzalez 2021			Not included
Q1	81	Association of acute and chronic workloads with injury risk in high-performance junior tennis players — Moreno-Perez 2021			Not included
Q1	82	Youth sport specialization and risk of injury: a general review — Strosser 2023			Not included
Q1	83	The incidence and distribution of stress fractures in elite tennis players — Maquirriain 2006			Not included
Q1	84	Common injuries of collegiate tennis players — Valleser 2017			Not included
Q1	85	Balance training exercises decrease lower-limb strength asymmetry in young tennis players — Sannicandro 2014			Not included
Q1	86	Tennis and racquet sports — Egloff 2017			Not included
Q1	87	Musculoskeletal injury profiles in professional Women's Tennis Association players — Dakic 2018			Not included
Q1	88	Injury risk is different in team and individual youth sport — Theisen 2013			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	89	Racket Sports-Related Injuries in Youth Athletes: A Narrative Review — Shrestha 2026		Yes	Included via PubMed record (PMID 41595928)
Q1	90	A six-week neuromuscular training program for competitive junior tennis players — Barber-Westin 2010		Yes	Not included
Q1	91	Concentric isokinetic quadricep and hamstring strength in elite junior tennis players — Ellenbecker 1995			Not included
Q1	92	Racket sports — Jayanthi 2013		Yes	Not included
Q1	93	The acute: chronic workload ratio is associated with injury in junior tennis players — Myers 2020			Not included
Q1	94	Athletic performance, training characteristics, and orthopedic indications in junior tennis Davis Cup players — Fett 2017			Not included
Q1	95	Fitness evaluations and fitness findings in competitive junior tennis players — Kibler 1988			Not included
Q1	96	Epidemiological patterns of alternative racquet-sport injuries in the United States, 1997-2016 — Nhan 2018			Not included
Q1	97	Epidemiology of sports injury in pediatric athletes — Gottschalk 2011			Not included
Q1	98	A six-week neuromuscular and performance training program improves speed, agility, dynamic balance, and core endurance in junior tennis players — Barber-Westin 2015			Not included
Q1	99	Clinical evaluation of the adult recreational tennis player — Changstrom 2016			Not included
Q1	100	Epidemiology of overuse injuries in collegiate and high school athletics in the United States — Roos 2015			Not included
Q1	101	Pickleball injuries in the aging athlete: a critical analysis review — Touhey 2024			Not included
Q1	102	Epidemiology of racket and paddle sports-related injuries treated in the United States emergency departments, 2007-2016 — Changstrom 2022		Yes	Not included
Q1	103	Injuries, risk factors and prevention initiatives in youth sport — Frisch 2009			Not included
Q1	104	The perils of pickleball: A two decade analysis of upper and lower extremity injuries from America's fastest growing sport — Boroumand 2025			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	105	Training load and injury incidence over one season in adolescent arab table tennis players: a pilot study — 2019			Not included
Q1	106	Injury and illness epidemiology in elite athletes during the Olympic, Youth Olympic and Paralympic Games: a systematic review and meta-analysis — Torvaldsson 2025			Not included
Q1	107	A prospective study on the effect of sport specialization on lower extremity injury rates in high school athletes — McGuine 2017			Not included
Q1	108	Injury risk and epidemiology of pickleball players in South Korea: a cross-sectional study — Jeong 2025			Not included
Q1	109	Injury profile of professional Indian Tennis players — Arora 2017			Not included
Q1	110	Coexistence of trunk or lower extremity pain with elbow and/or shoulder pain among young overhead athletes: a cross-sectional study — Sekiguchi 2017		Yes	Not included
Q1	111	Injury prevalence and characteristics among tennis coaches in the Netherlands: a cross-sectional survey — Terink 2026			Not included
Q1	112	Incidence, prevalence and nature of injuries in padel: a systematic review — Dahmen 2023			Not included
Q1	113	Prevalence of bowlegs among child and adolescent soccer players — Yaniv 2006			Not included
Q1	114	The combined additive effect of inter-limb muscle mass asymmetries and body composition indices on lower limb injuries in physically active young adults — Domaradzki 2024			Not included
Q1	115	A descriptive profile of age-specific knee extension flexion strength in elite junior tennis players — Ellenbecker 2007		Yes	Not included
Q1	116	The epidemiology of injuries in English professional squash; A retrospective analysis between 2004 and 2015 — O'Donnell 2020			Not included
Q1	117	Epidemiology of common injuries in the volleyball athlete — Young 2023			Not included
Q1	118	Injury surveillance at 23 International Tennis Federation Junior and Pro Circuit tournaments between 2011 and 2015 — Correia 2016			Not included
Q1	119	Young tennis players and balance performance — Malliou 2010			Not included
Q1	120	Cross-sport patterns of health-related conditions in Chinese young athletes based on a comprehensive motor function assessment — Miao 2026			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	121	Physiology, biomechanics and injuries in table tennis: A systematic review — Ferrandez 2021			Not included
Q1	122	Tennis injury data from The Championships, Wimbledon, from 2003 to 2012 — McCurdie 2017			Not included
Q1	123	Whole-body morphological asymmetries in high-level female tennis players: A cross-sectional study — Chapelle 2021			Not included
Q1	124	Physeal injuries in children's and youth sports: reasons for concern? — Caine 2006			Not included
Q1	125	Glenohumeral joint internal and external rotation range of motion in elite junior tennis players — Ellenbecker 1996			Not included
Q1	126	Modelling of intrinsic and extrinsic injury risk factors in elite tennis — 2018 thesis			Not included
Q1	127	MRI findings in the lumbar spines of asymptomatic, adolescent, elite tennis players — Alyas 2007			Not included
Q1	128	Tennis-specific extension of the International Olympic Committee consensus statement: methods for recording and reporting of epidemiological data on injury and illness in sport 2020 — Verhagen 2021			Included (ref 10; Google Scholar-first)
Q1	129	Association between pre-season lower limb interlimb asymmetry and non-contact lower limb injuries in elite male volleyball players — Wang 2025			Not included
Q1	130	Injury rates in recreational tennis players do not differ between different playing surfaces — Pluim 2018			Not included
Q1	131	Racquet sports: tennis, badminton, racquetball, squash — Worner 2022			Not included
Q1	132	Range of motion in junior tennis players participating in an injury risk modification program — Kibler 2003		Yes	Not included
Q1	133	Long term sport involvement and sport injury rate in elite young athletes — Maffulli 2005			Not included
Q1	134	The association of sport specialization and training volume with injury history in youth athletes — Post 2017			Not included
Q1	135	Impact of lower-limb asymmetries on physical performance among adolescent female tennis players — Moreno-Apellaniz 2024			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	136	Media Coverage of Injury Prevalence in Tennis: a Content Analysis of Selected Online Newspapers — Isyaku 2021			Not included
Q1	137	There is no rush to upgrade the tennis racket in young intermediate competitive players: The effects of scaling racket on serve biomechanics and performance — Touzard 2023		Yes	Not included
Q1	138	Physical Performance Tests and their Predictive Value in Youth Sports-a Study Protocol — 2025			Not included
Q1	139	Range of Motion and Muscle Stiffness Differences in Junior Tennis Players with and without a History of Shoulder Pain — Colomar 2025			Not included
Q1	140	Risk factors for lower-extremity injuries among contemporary dance students — van Seters 2020			Not included
Q1	141	Relationship between lower extremity strength asymmetry and linear multidimensional running in female tennis players — Turkeri 2024			Not included
Q1	142	Table tennis musculoskeletal injuries in young high-level players: a 17-year retrospective cohort study — Bonhomme 2026			Not included
Q1	143	Inter-limb muscle property differences in junior tennis players — Colomar 2022			Not included
Q1	144	The effect of playing surface on injury rate: a review of the current literature — Dragoo 2010			Not included
Q1	145	Overview of injuries with racket sports in pediatric and adolescent population: a narrative review — Shrestha 2024 preprint			Not included
Q1	146	Comparisons of hip strength and countermovement jump height in elite tennis players with and without acute history of groin injuries — Moreno-Perez 2017			Not included
Q1	147	Training Load, Injuries, and Well-Being in Youth Padel Players: A Cross-Sectional Study — Ryman Augustsson 2025			Not included
Q1	148	Effects of the playing surface on plantar pressures and potential injuries in tennis — Girard 2007			Included (ref 35; Google Scholar-first)
Q1	149	MRI findings in the lumbar spines of asymptomatic elite junior tennis players — Rajeswaran 2014			Not included
Q1	150	Common tendinopathies in the upper and lower extremities — Scott 2006			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	151	Training in elite young athletes (the Training of Young Athletes (TOYA) Study): injuries, flexibility and isometric strength — Maffulli 1994			Not included
Q1	152	Rotator cuff injuries in tennis players — Alrabaa 2020			Not included
Q1	153	The effects of a school-based injury prevention program on injury incidence in young females — Sommerfield 2021			Not included
Q1	154	Analyzing game statistics and career trajectories of female elite junior tennis players: A machine learning approach — Bozdech 2023			Not included
Q1	155	Health consequences of youth sport specialization — Jayanthi 2019			Not included
Q1	156	Medical assistance at the Brazilian juniors tennis circuit-a one-year prospective study — Silva 2003		Yes	Included via PubMed record (PMID 12801206)
Q1	157	Upper extremity pain is associated with lower back pain among young basketball players: A cross-sectional study — Hagiwara 2020			Not included
Q1	158	A prospective study of sport injuries in youth females — Sommerfield 2020			Not included
Q1	159	Association between spikes in external training load and shoulder injuries in competitive adolescent tennis players: the SMASH cohort study — Johansson 2022			Not included
Q1	160	Osteoarthritis as an outcome of paediatric sport: an epidemiological perspective — Caine 2011			Not included
Q1	161	Association of competition volume, club sports, and sport specialization with sex and lower extremity injury history in high school athletes — Post 2017			Not included
Q1	162	Neuromuscular training improves single-limb stability in young female athletes — Paterno 2004			Not included
Q1	163	Shoulder range of motion, rotator strength, and upper-extremity functional performance in junior tennis players — Cigercioglu 2021			Not included
Q1	164	Musculoskeletal injury prevalence in professional padel players. A retrospective study of the 2021 season — Perez 2023			Not included
Q1	165	Injury epidemiology and risk factors in older pickleball players — Kim 2026			Not included
Q1	166	Effects of age and maturation on lower extremity range of motion in male youth soccer players — Robles-Palazon 2022			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	167	Withdrawals and retirements in professional tennis players: An analysis of 2013 United States Tennis Association Pro Circuit tournaments — Hartwell 2017			Not included
Q1	168	Association between training volume and lower extremity overuse injuries in young female athletes: implications for early sports specialization — Sugimoto 2019			Not included
Q1	169	Assessing tennis player interactions with tennis courts — Dunn 2011			Not included
Q1	170	Dynamic balance performance and noncontact lower extremity injury in college football players: an initial study — Butler 2013			Not included
Q1	171	Effectiveness of an e-health tennis-specific injury prevention programme: randomised controlled trial in adult recreational tennis players — Pas 2020			Not included
Q1	172	Injury surveillance at the USTA Boys Tennis Championships — Moss 1995 duplicate	Duplicate of Q1 #23	Yes	
Q1	173	The Effect of Court Surfaces on Injuries in Tennis: A Literature Review — Cutler 2016			Not included
Q1	174	Are junior tennis players less exposed to shocks and vibrations than adults? A pilot study — Le Solliec 2024			Not included
Q1	175	Effects of a 12-week integrated core and plyometric training program on tennis skills, agility, strength, and balance in adolescent tennis players — Bangari 2025			Not included
Q1	176	The finger, wrist, and shoulder are the most commonly injured areas in youth volleyball players but the incidence of injuries decreased overall between 2012 and 2022 — Obana 2024			Not included
Q1	177	The junior tennis player — Davelaar 2023			Not included
Q1	178	Wrist injuries in tennis players: a narrative review — Stuelcken 2017			Not included
Q1	179	Musculoskeletal injuries in table tennis during competition: a systematic review — Ko 2024			Not included
Q1	180	Surface and equipment variables in tennis injuries — Lehman 1988			Not included
Q1	181	Structured exercises to prevent lower limb injuries in young handball players — Garrick 2005			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	182	Tennis Injuries of the Hip and Knee — Andelman 2016 duplicate	Duplicate of Q1 #79		
Q1	183	Overuse injuries and burnout in youth sports: a position statement from the American Medical Society for Sports Medicine — DiFiori 2014			Not included
Q1	184	Biomechanical analysis of different footwork foot movements in table tennis — Li 2022			Not included
Q1	185	A prospective cohort study on ankle joint stability and ligament injury risk in table tennis players during rapid lateral footwork — Li 2025			Not included
Q1	186	Anterior cruciate ligament injury prevention training in female athletes: a systematic review of injury reduction and results of athletic performance tests — Noyes 2012			Not included
Q1	187	Injury Profile in Female Tennis Players: a Systematic Review — Mamede 2025			Not included
Q1	188	Asymmetry and tightness of lower limb muscles in equestrian athletes: are they predictors for back pain? — Cejudo 2020			Not included
Q1	189	Balance exercise program before or after a tennis training session? — Malliou 2008			Not included
Q1	190	Improving the reporting of tennis injuries: the use of workload data as the denominator? — Reid 2019			Not included
Q1	191	Hip range of motion and association with injury in female professional tennis players — Young 2014		Yes	Not included
Q1	192	The epidemiology of sports-related fractures in adolescents — Wood 2010			Not included
Q1	193	Surveillance of injury types, locations, and intensities in male and female tennis players: a content analysis of online newspaper reports — Musa 2021			Not included
Q1	194	Limb specific training magnitude and asymmetry measurement to discriminate between athletes with and without unilateral or bilateral lower limb injury history — Wylde 2022			Not included
Q1	195	Evidence Summary: Tennis — 2018 activesafe			Not included
Q1	196	Lower limb injuries in women's handball, protocols, and most common tests: a systematic review — Carrasco-Fernandez 2025			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q1	197	A one-season prospective study of illnesses, acute, and overuse injuries in elite youth and junior track and field athletes — Carragher 2019			Not included
Q1	198	Epidemiology of all-complaint injuries in youth basketball — Owoeye 2020			Not included
Q1	199	Associations between growth, maturation and injury in youth athletes engaged in elite pathways: a scoping review — Parry 2024			Not included
Q1	200	Isokinetic profile of wrist and forearm strength in elite female junior tennis players — Ellenbecker 2006			Not included
Q2	1	Tennis Sport, Trauma, and Biological Healing — 2026 book	Duplicate of Q1 #62		
Q2	2	Age and gender differences in injuries and risk factors in elite junior and professional tennis players — Rice 2022	Duplicate of Q1 #5	Yes	Included via PubMed record (PMID 35037501)
Q2	3	Musculoskeletal injuries in the young tennis player — Kibler 2000	Duplicate of Q1 #6	Yes	
Q2	4	A six-week neuromuscular training program for competitive junior tennis players — Barber-Westin 2010	Duplicate of Q1 #90	Yes	
Q2	5	Common sports injuries in young tennis players — Bylak 1998	Duplicate of Q1 #10	Yes	Included via PubMed record (PMID 9777684)
Q2	6	Musculoskeletal injuries in tennis — Perkins 2006	Duplicate of Q1 #31		
Q2	7	Tennis injuries of the hip and thigh — Felix 2019			Not included
Q2	8	A Coaches Guide to Prevention and Care of Lower Extremity Injuries in Tennis Players — Dollaway 2025	Duplicate of Q1 #66		
Q2	9	Fifth metatarsal avulsion fracture in an adolescent tennis player — Bittner 2019		Yes	Not included
Q2	10	Tennis Injuries of the Hip and Knee — Andelman 2016	Duplicate of Q1 #79		
Q2	11	Tennis Injuries of the Hip and Knee — Colvin 2016	Duplicate of Q1 #79		

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	12	Design and evaluation of comprehensive rehabilitation plan for functional recovery of tennis players' knee joint injuries — Wang 2024			Not included
Q2	13	Function monitoring and recovery methods in the rehabilitation of tennis players — Yin 2022			Not included
Q2	14	Range of motion in junior tennis players participating in an injury risk modification program — Kibler 2003	Duplicate of Q1 #132	Yes	
Q2	15	The Relationship Between Functional Etiology of Ancle Injuries and Return-to-Play Efficiency Among Tennis Players — Farhan 2026			Not included
Q2	16	Hip and knee proprioception in elite, amateur, and novice tennis players — Lin 2006			Not included
Q2	17	Training junior tennis players to increase knee flexion improves their service performance — Hornestam 2026			Not included
Q2	18	Hip range of motion and association with injury in female professional tennis players — Young 2014	Duplicate of Q1 #191	Yes	
Q2	19	The kinetic differences in knee joint loading under different foot support patterns in table tennis players — Jin 2025			Not included
Q2	20	Rehabilitation Treatment and Monitoring on the Ankle Joint Ligament Injury of Athlete — Zhang 2020			Not included
Q2	21	The effects of skill level on lower-limb injury risk during the serve landing phase in male tennis players — Pan 2025	Duplicate of Q1 #68		
Q2	22	Arthroplasty and Tennis: A Narrative Review — Kaiser 2025			Not included
Q2	23	Treating early hip, knee, and ankle joint osteoarthritis in professional and elite athletes-what works? A scoping review — Pillay 2024			Not included
Q2	24	Young tennis players and balance performance — Malliou 2010	Duplicate of Q1 #119		
Q2	25	Injury prevention in tennis players, linking the kinetic chain approach with myofascial lines: A narrative review with practical implications — Licen 2022			Not included
Q2	26	Focal periphyseal edema of the knee in a junior youth tennis player: A case report — Yamaguchi 2025		Yes	Not included
Q2	27	The effects of a lumbopelvic hip complex conditioning program on dynamic knee valgus in female tennis players — 2011 thesis			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	28	Acute tennis injuries in the recreational tennis player — Kaiser 2021	Duplicate of Q1 #65	Yes	Included via PubMed record (PMID 33457434)
Q2	29	The junior tennis player — Davelaar 2023	Duplicate of Q1 #177		
Q2	30	Screening and analysis for upper and lower limb injuries in tennis and related sports: A scoping review and recommendations for the LTA — 2025	Duplicate of Q1 #18		
Q2	31	A prospective cohort study on ankle joint stability and ligament injury risk in table tennis players during rapid lateral footwork — Li 2025	Duplicate of Q1 #185		
Q2	32	Investigation research on the mechanism of knee joint injury in table tennis players landing before and after fatigue during stroke play — Zhang 2024			Not included
Q2	33	Rehabilitation after arthroscopic anterior cruciate ligament reconstruction in junior female tennis player-a case study — Ilinca			Not included
Q2	34	A six-week neuromuscular and performance training program improves speed, agility, dynamic balance, and core endurance in junior tennis players — Barber-Westin 2015	Duplicate of Q1 #98		
Q2	35	Athletic performance, training characteristics, and orthopedic indications in junior tennis Davis Cup players — Fett 2017	Duplicate of Q1 #94		
Q2	36	Can the open stance forehand increase the risk of hip injuries in tennis players? — Martin 2020			Not included
Q2	37	Tennis injuries: epidemiology, pathophysiology, and treatment — Dines 2015	Duplicate of Q1 #16		Included (ref 3; Google Scholar-first)
Q2	38	Effects of 8-week functional vs. traditional training on athletic performance and functional movement on prepubertal tennis players — Yildiz 2019			Not included
Q2	39	EFFICACY AND APPLICATION OF RESISTANCE TRAINING IN COMPETITIVE JUNIOR TENNIS PLAYERS — Mabon 2016			Not included
Q2	40	Lower-Extremity Injuries Predominate in American High School Tennis Players — Llanes 2023	Duplicate of Q1 #4	Yes	Included via PubMed record (PMID 37881190)
Q2	41	Musculoskeletal Injury Patterns and Associations With Potentially Modifiable Factors Among Recreational Tennis Players: A Cross-Sectional Study — Akdogan 2025			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	42	Comparison and analysis of the biomechanics of the lower limbs of female tennis players of different levels in foot-up serve — Liang 2023			Not included
Q2	43	LOWER LIMB TENNIS-RELATED INJURIES — Spadafora 2024			Not included
Q2	44	Using motion analysis in the evaluation, treatment & rehabilitation of pediatric & adolescent knee injuries: a review of the literature — Rhodes 2022			Not included
Q2	45	Physical determinants of tennis performance in competitive teenage players — Girard 2009		Yes	Not included
Q2	46	The association between chronological age and maturity status on lower body clinical measurements and asymmetries in elite youth tennis players — Lopez-Valenciano 2023	Duplicate of Q1 #27	Yes	
Q2	47	The influence of shoe drop on the kinematics and kinetics of children tennis players — Herbaut 2016			Not included
Q2	48	Risk Factors for Injuries in Elite Junior and Professional Tennis Players — 2020 thesis	Duplicate of Q1 #76		
Q2	49	Effects of Different Approach Directions and Sizes of Selected Tennis Forehand Strokes on Loading of the Knee — Beggs			Not included
Q2	50	Physiotherapy management of patellar tendinopathy in tennis players — Leong 2019			Not included
Q2	51	A comparison musculoskeletal injuries among junior and senior paddle-tennis players — Castillo-Lozano 2015	Duplicate of Q1 #64		
Q2	52	Hamstring strains: expediting return to play — Best 1996			Not included
Q2	53	Epidemiology of tennis injuries — Pluim 2019	Duplicate of Q1 #15		
Q2	54	Injury risk factors in junior tennis players: a prospective 2-year study — Hjelm 2012	Duplicate of Q1 #40	Yes	Included via PubMed record (PMID 20561286)
Q2	55	Injury Prevention for Tennis Players: A Comprehensive Guide to Staying Injury-Free on the Court — 2025 book			Not included
Q2	56	Musculoskeletal screening for the elite and developing tennis player — Ellenbecker 2019			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	57	Tennis Injury Prevention & Rehab in St Kilda: Keep Your Game Court-Ready — Ime			Not included
Q2	58	Treating early hip, knee, and ankle joint osteoarthritis in professional and elite athletes — 2024 repository	Duplicate of Q2 #23		
Q2	59	Racket sports — Jayanthi 2013	Duplicate of Q1 #92	Yes	
Q2	60	Epidemiology of tennis-related injuries among competitive youth players in Tunisia: Frequency, characteristics, and management patterns — Layouni 2025	Duplicate of Q1 #2	Yes	Included via PubMed record (PMID 40870523)
Q2	61	Evaluation of the Unilateral and Bilateral Stability Index for Junior Tennis Players on the Biodex Stability System — Santos			Not included
Q2	62	PL18 REHABILITATION OF AN ATHLETE FOLLOWING ARTHROSCOPIC HIP LABRAL DEBRIDEMENT — Kauffman 2005			Not included
Q2	63	A one-season prospective study of injuries and illness in elite junior tennis — Pluim 2016	Duplicate of Q1 #35		Included (ref 12; Google Scholar-first)
Q2	64	A Quick and Easy Flexibility Program For Junior Tennis Players — Skinner			Not included
Q2	65	Musculoskeletal Screening for the Elite and Developing — Player 2019 duplicate	Duplicate of Q2 #56		
Q2	66	Spinal Rehabilitation Strategies for the Elite Tennis Player — Gravil 2019			Not included
Q2	67	Comprehensive profile of hip, knee and ankle ranges of motion in professional football players — Lopez-Valenciano 2017			Not included
Q2	68	Racquet sports: tennis, badminton, racquetball, squash — Worner 2022	Duplicate of Q1 #131		
Q2	69	Core stability in tennis players — Myers 2019			Not included
Q2	70	Explosive lower-limb strength predicts serve performance in competitive junior tennis players — Sar			Not included
Q2	71	The effect of age on discrete kinematics of the elite female tennis serve — Whiteside 2013			Not included
Q2	72	Effects of core stability training on functional movement patterns in tennis players — Majewska 2022			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	73	Determinant physical factors of tennis serve velocity: A brief review — Colomar 2022			Not included
Q2	74	Tennis: epidemiology and injury mechanism — Di Giacomo 2016	Duplicate of Q1 #19		
Q2	75	A longitudinal analysis of injury characteristics among elite and amateur tennis players at different tournaments from electronic newspaper reports — Musa 2022			Not included
Q2	76	Anti-gravity treadmills are effective in reducing knee forces — Goldberg 2013			Not included
Q2	77	Influence of the forehand stance on knee biomechanics: Implications for potential injury risks in tennis players — Martin 2021			Not included
Q2	78	A kinetic chain approach for shoulder rehabilitation — McMullen 2000			Not included
Q2	79	Concentric and eccentric isokinetic assessment of flexorextensor torque ratios at the hip, knee, and ankle in a sample population of healthy subjects — Calmels 1997			Not included
Q2	80	Racket Sports Injuries — Jayanthi 2008			Not included
Q2	81	Injury profile and injury risk factors in junior tennis players — 2010 thesis			Not included
Q2	82	An in-depth sports medicine profile of women college tennis players — Kraemer 1995			Not included
Q2	83	A study on functional screening of junior tennis players based on sports injuries — Xie 2022			Not included
Q2	84	Complete conditioning for tennis — 2007 book			Not included
Q2	85	Synergy structure and distribution mechanism of joint moments in the landing leg during tennis pinpoint serve — Zhou 2026			Not included
Q2	86	Biomechanics of the tennis serve: implications for strength training — Roetert 2009			Not included
Q2	87	Coordination and variability in the elite female tennis serve — Whiteside 2015			Not included
Q2	88	Return to play following anterior cruciate ligament reconstruction — LaPrade 2015			Not included
Q2	89	Relationship between tennis serve velocity and select performance measures — Hayes 2021			Not included
Q2	90	4: musculoskeletal adaptations and injuries due to overtraining — Kibler 1992			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	91	External and total hip rotation ranges of motion predispose to low back pain in elite Spanish inline hockey players — Cejudo 2020			Not included
Q2	92	Relationship between range of motion, strength, motor control, power, and the tennis serve in competitive-level tennis players: a pilot study — Palmer 2018			Not included
Q2	93	The effects of knee flexion on tennis serve performance of intermediate level tennis players — Hornestam 2021			Not included
Q2	94	The acute: chronic workload ratio is associated with injury in junior tennis players — Myers 2020	Duplicate of Q1 #93		
Q2	95	Multivariate isokinetic strength asymmetries of the knee and ankle in professional soccer players — Fousekis 2010			Not included
Q2	96	Effects of fatigue on ankle flexor activity and ground reaction forces in elite table tennis players — Lu 2024			Not included
Q2	97	Effective functional progressions in sport rehabilitation — 2009 book			Not included
Q2	98	What's new in orthopaedic rehabilitation — Colwell 2001			Not included
Q2	99	Return to Sport for Tennis — Barber-Westin 2019			Not included
Q2	100	Comparison of hip extension and rotation ranges of motion in young elite tennis players with and without history of low back pain — Moreno-Perez 2019		Yes	Not included
Q2	101	Epidemiology and prevention strategies for the musculoskeletal injuries in the paddle-tennis senior players — Castillo-Lozano 2017	Duplicate of Q1 #36		
Q2	102	Applied biomechanics of tennis — Ellenbecker 2010			Not included
Q2	103	Application of isokinetics in testing and rehabilitation — Davies 2004			Not included
Q2	104	Association of acute and chronic workloads with injury risk in high-performance junior tennis players — Moreno-Perez 2021	Duplicate of Q1 #81		
Q2	105	Treating geriatric sports injury among pickleball players: a narrative review of an exercise craze among seniors — Pergolizzi 2023			Not included
Q2	106	Beyond the Baseline: A Multifactorial Review of Tennis Injuries — Tloczek 2026	Duplicate of Q1 #58		
Q2	107	United States Sports Academy- America's Sports University — Stump			Not included
Q2	108	Tennis anatomy — 2019 book			Not included
Q2	109	Sport injuries: a review of outcomes — Maffulli 2011		Yes	Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	110	The foot and ankle at risk of injury in tennis players — Avagnina 2019			Not included
Q2	111	LOWER LIMB LOADING WHEN CHANGING DIRECTION IN TENNIS — Giles 2019			Not included
Q2	112	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 — Hegedus 2015			Not included
Q2	113	Injury Prevention Protocol for Tennis Elbow — Fazal			Not included
Q2	114	Limited hip rotation and non-contact anterior cruciate ligament injury: A case-control study — Tainaka 2014			Not included
Q2	115	The effect of a 4-week core strengthening program on determinants of wrestling performance in junior Greco-Roman wrestlers: A randomized controlled trial — Dehnou 2020			Not included
Q2	116	Clinical evaluation of the adult recreational tennis player — Changstrom 2016	Duplicate of Q1 #99		
Q2	117	Strength and Conditioning for the Young Tennis Player — Kovacs 2016			Not included
Q2	118	Kinematics of the tennis serve using an optoelectronic motion capture system: are there correlations between joint angles and racket velocity? — Jacquier-Bret 2024			Not included
Q2	119	Impact of a competition with two consecutive matches in a day on physical performance in young tennis players — Gallo-Salazar 2017			Not included
Q2	120	of Injury in Tennis Players — Avagnina 2019 duplicate	Duplicate of Q2 #110		
Q2	121	INCIDENCE OF INJURY IN BOYS AND GIRLS HIGH SCHOOL VOLLEYBALL: A 20-YEAR LONGITUDINAL STUDY: SPL19 — Rauh 2010			Not included
Q2	122	Instructional course lectures, The American Academy of Orthopaedic Surgeons-Tendon problems in athletic individuals — Teitz 1997			Not included
Q2	123	Adolescent tennis players' injury profile and awareness level of sports injury — Abdioglu 2023	Duplicate of Q1 #55		
Q2	124	Low back pain in professional golfers: the role of associated hip and low back range-of-motion deficits — Aspergren 2004			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	125	PROPERTY OF ELSEVIER SAMPLE CONTENT-NOT FINAL — 2000			Not included
Q2	126	Tennis: Epidemiology and Injury Mechanism — Di Giacomo researchgate duplicate	Duplicate of Q1 #19		
Q2	127	Strength and conditioning in developmental tennis players — Fernandez-Fernandez 2019			Not included
Q2	128	Comparison between cold water immersion therapy (CWIT) and light emitting diode therapy (LEDT) in short-term skeletal muscle recovery after high-intensity exercise — Leal Junior 2011			Not included
Q2	129	Tennis science: how player and racket work together — 2015 book			Not included
Q2	130	Prevalence of musculoskeletal problems among tennis players in twin cities of Pakistan — Tasnim 2024			Not included
Q2	131	Comparative Analysis of Balance Metrics in Injured versus Healthy Professional Tennis Players — Purushothaman 2024			Not included
Q2	132	Recovery and the young tennis athlete — Rome 2010			Not included
Q2	133	Identification of talented athletes in finswimming through anthropometric analysis: systematic review — Dafun 2024			Not included
Q2	134	Closed kinetic chain rehabilitation for sports injuries — Kibler 2000			Not included
Q2	135	Jumping into plyometrics — 1998 book			Not included
Q2	136	COMMON INJURY PATTERNS IN TENNIS — Functional Training Handbook 2014			Not included
Q2	137	The kinematic analysis of the lower limb during topspin forehand loop between different level table tennis athletes — He 2021			Not included
Q2	138	Current concepts: the hip, core and kinetic chain in the overhead athlete — Jones 2024		Yes	Not included
Q2	139	Low Back Pain in Adolescent Athletes: Diagnosis, Rehabilitation, and Prevention — Geraci 2005			Not included
Q2	140	Musculoskeletal Injuries and Illness in Professional British Tennis Players: An Injury Surveillance Study — Nutt 2025	Duplicate of Q1 #33		
Q2	141	Clinical features of patellar tendinopathy and their implications for rehabilitation — Crossley 2007			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	142	The impact of cognitive load on lower limb biomechanics during the take-off phase before service in tennis players of different levels — Xuan 2026			Not included
Q2	143	Assessing and developing the kinetic chain — Prangley 2015			Not included
Q2	144	Tennis specialization and consequence of injury/illness following retirement — Vasenina 2023			Not included
Q2	145	Complete conditioning for tennis, 2E — 2016 book			Not included
Q2	146	Shoulder Rotational and Dynamic Stability Profiles in Elite and National-Level Tennis Players: A Pilot Study Using an Electromechanical Dynamometer — Madronal-Sotomayor 2025			Not included
Q2	147	A descriptive profile of isometric muscle strength and muscle strength imbalance in young tennis players — Zusa 2015			Not included
Q2	148	Epidemiology of Injuries in High School Tennis Players — Upshaw 2026		Yes	Included via PubMed record (PMID 41991148)
Q2	149	Hip and knee joint loading during vertical jumping and push jerking — Cleather 2013			Not included
Q2	150	Biomechanics of table tennis: A systematic scoping review of playing levels and maneuvers — Wong 2020			Not included
Q2	151	Interpretable prediction of knee joint loading during tennis serves based on GNN-GRU model and layer-wise relevance propagation — Pan 2025			Not included
Q2	152	The effects of a five-week core stabilization-training program on dynamic balance in tennis athletes — 2005 thesis			Not included
Q2	153	Flexibility training for tennis — Sobel 1995			Not included
Q2	154	Musculoskeletal and orthopedic considerations — Kibler 1998			Not included
Q2	155	Effect of specific strength and power training on serving velocity in tennis players — Williams 2020			Not included
Q2	156	Knee joint forces: prediction, measurement, and significance — Colwell 2012			Not included
Q2	157	CSM 2010 Orthopaedic and Sports Physical Therapy Section Programming — Simoneau 2010			Not included
Q2	158	Lower extremity flexibility profile in basketball players: Gender differences and injury risk identification — Cejudo 2021			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	159	Soft tissue injuries to USA paralympians at the 1996 summer games — Nyland 2000			Not included
Q2	160	Investigating the validity and reliability of the functional movement screening tool in tennis — Kazemi 2025			Not included
Q2	161	Corrective exercise for intrinsic foot muscles versus the extrinsic muscles to rehabilitate flat foot curving in adolescents: randomized-controlled trial — Gheitasi 2022			Not included
Q2	162	Critical review of the impact of core stability on upper extremity athletic injury and performance — Silfies 2015			Not included
Q2	163	Exploring training strategies to optimize court performance in older pickleball athletes — Terrell 2023			Not included
Q2	164	Return to play in the professional athlete — Gulati 2024			Not included
Q2	165	Kinetic chains: a review of the concept and its clinical applications — Karandikar 2011			Not included
Q2	166	Exploration of the Sport Injury Characteristics and Reasons of Tennis Amateurs — Yuanhai 2013			Not included
Q2	167	Tennis Serve Biomechanics and Implications for Physical Conditioning — Martin 2022			Not included
Q2	168	Injury patterns and biomechanics of the athlete's shoulder — Lintner 2008			Not included
Q2	169	Aquatic therapy in the rehabilitation of athletic injuries — Prins 1999			Not included
Q2	170	Treatment of femoroacetabular impingement and labral injuries in tennis players — Safran 2019			Not included
Q2	171	Current concepts in hip and core assessment to reduce the risk of ACL injury — Burnham 2026			Not included
Q2	172	Closed kinetic chain exercise: a comprehensive guide to multiple joint exercise — 2001 book			Not included
Q2	173	Quantification of elastic resistance knee rehabilitation exercises — Steadman 1998			Not included
Q2	174	Recent advances in the rehabilitation of isolated and combined anterior cruciate ligament injuries — Wilk 2003			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	175	Neuromuscular fitness is associated with serve speed in young female tennis players — Bilic 2024			Not included
Q2	176	Musculoskeletal injuries involving Greek recreational tennis athletes — Paraskevi 2015			Not included
Q2	177	Use of interval return programs for shoulder rehabilitation — Ellenbecker 2006			Not included
Q2	178	Rehabilitative guidelines after total knee arthroplasty: a review — Mistry 2016			Not included
Q2	179	A training program to improve neuromuscular and performance indices in female high school basketball players — Noyes 2012			Not included
Q2	180	Closed and Open Kinetic Chain Knee Rehabilitation Exercises — Mills			Not included
Q2	181	Current concepts in the rehabilitation following articular cartilage repair procedures in the knee — Reinold 2006			Not included
Q2	182	Gender-and age-specific patterns of tennis-related injuries in pediatric populations: Insights from emergency room data (2014-2023) — Mysore 2026	Duplicate of Q1 #13	Yes	Included via PubMed record (PMID 41966791)
Q2	183	Sagittal plane hip, knee, and ankle biomechanics and the risk of anterior cruciate ligament injury: a prospective study — Leppanen 2017			Not included
Q2	184	To Assess the Impact of Physical Factors on Velocity, Speed, and Accuracy of Tennis Serve — Ma 2024			Not included
Q2	185	The Preparticipation physical: the WTA experience and findings — Taylor 2019			Not included
Q2	186	Lower limb biomechanics during the topspin forehand in table tennis: A systemic review — He 2022			Not included
Q2	187	Safe tennis: how to train and play to avoid injury and stay healthy — 2015 book			Not included
Q2	188	Rehabilitation of the overhead throwing athlete: there is more to it than just external rotation/internal rotation strengthening — Wilk 2016			Not included
Q2	189	Use of Pilates in foot and ankle rehabilitation — Cozen 2000			Not included
Q2	190	Muscle and Tendon Injuries in Sporting and Tactical Populations: Mechanisms, Prevention and Rehabilitation — 2025 book			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q2	191	A comparison of 2 rehabilitation programs in the treatment of acute hamstring strains — Sherry 2004			Not included
Q2	192	The reproducibility of isokinetic dynamometry data — Caruso 2012			Not included
Q2	193	Running in Paddle — Virgolino 2022			Not included
Q2	194	A COMPARISON BETWEEN THE FOOT-UP AND FOOT-BACK TENNIS TECHNIQUES AMONG JUNIORS: A SYSTEMATIC REVIEW — Tudurache 2025			Not included
Q2	195	Effects of integrated neuromuscular training on physical fitness in badminton athletes of different maturity statuses — Weng 2025			Not included
Q2	196	The effect of core exercises on shoulder rotator strength, core endurance and suprasipinatus structure in tennis players with rotator cuff injuries — Ersever 2025			Not included
Q2	197	Lower-extremity kinematics during ankle inversion perturbations: a novel experimental protocol that simulates an unexpected lateral ankle sprain mechanism — Simpson 2019			Not included
Q2	198	The role of rehabilitation and sports in haemophilia patients with inhibitors — Heijnen 2008			Not included
Q2	199	The role of knee positioning and range-of-motion on the closed-stance forehand tennis swing — Nesbit 2008			Not included
Q2	200	Effectiveness and kinematic analysis of initial step patterns for multidirectional acceleration in team and racquet sports — Vuong 2023			Not included
Q3	1	Developmental performance trajectories of talented tennis players during adolescence: A prospective longitudinal approach — Rikken 2026			Not included
Q3	2	Risk factors and prevention of musculoskeletal injuries in adolescent and adult high-performance tennis players: A systematic review — Amor-Salamanca 2025	Duplicate of Q1 #11	Yes	Included via PubMed record (PMID 41150471)
Q3	3	Periodization and recovery in the young tennis athlete — Ochi 2016			Not included
Q3	4	Common sports injuries in young tennis players — Bylak 1998	Duplicate of Q1 #10	Yes	Included via PubMed record (PMID 9777684)
Q3	5	Tennis Sport, Trauma, and Biological Healing — 2026 book	Duplicate of Q1 #62		

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	6	Early sport specialization and intense training in junior tennis players: A sport-specific review — Thurber 2026	Duplicate of Q1 #70		
Q3	7	and size asymmetries in children tennis players are maturity status specific: a 9-month study on the effects of training time across pubertal change and somatic growth — Palaiothodorou 2024			Not included
Q3	8	Growth and maturation of adolescent female gymnasts, swimmers, and tennis players — Erlandson 2008			Not included
Q3	9	Growth and development of male gymnasts, swimmers, soccer and tennis players: a longitudinal study — Baxter-Jones 1995			Not included
Q3	10	Growth and maturity status of elite British junior tennis players — Myburgh 2016			Not included
Q3	11	A 2-year follow-up study on muscle size and dynamic strength in teenage tennis players — Kanehisa 2006			Not included
Q3	12	Participation in sports in relation to adolescent growth and development — Brown 2017			Not included
Q3	13	Recovery and the young tennis athlete — Rome 2010	Duplicate of Q2 #132		
Q3	14	The child and adolescent athlete: a review of three potentially serious injuries — Caine 2014			Not included
Q3	15	I never made it to the pros Return to sport and becoming an elite athlete after pediatric and adolescent anterior cruciate ligament injury-Current evidence — Hamrin Senorski 2018			Not included
Q3	16	Athletic identity and shoulder overuse injury in competitive adolescent tennis players: The smash cohort study — Johansson 2022			Not included
Q3	17	I never made it to the pros Return to sport and becoming an elite athlete after pediatric and adolescent anterior cruciate ligament injury-Current evidence — Senorski 2017 duplicate	Duplicate of Q3 #15		
Q3	18	Return to tennis following adult spinal deformity surgery: case series — Holuba 2026			Not included
Q3	19	Return to sports after arthroscopic Bankart repair in teenage athletes: a retrospective cohort study — Harada 2023			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	20	Sports-related acute and chronic avulsion injuries in children and adolescents with special emphasis on tennis — Vandervliet 2007	Duplicate of Q1 #60	Yes	Included via PubMed record (PMID 17586583)
Q3	21	Maturity-associated variation in functional characteristics of elite youth tennis players — Myburgh 2016			Not included
Q3	22	Risk Contributors for Shoulder Injuries Among Adolescent Tennis Participants: A Prospective Group Study — Xie 2025			Not included
Q3	23	Prediction of tennis performance in junior elite tennis players — Kramer 2017			Not included
Q3	24	MRI findings in the lumbar spines of asymptomatic, adolescent, elite tennis players — Alyas 2007	Duplicate of Q1 #127		
Q3	25	Athletic children: Guidelines and monitoring in pediatric orthopedic surgery — Pesenti 2023			Not included
Q3	26	How Tennis Influences Youth Development — Veliz 2019			Not included
Q3	27	Stress in youth sport: A developmental investigation of tennis parents — Harwood 2009			Not included
Q3	28	Return to play in youth athletes: role of the radiologist with focus on the upper extremity — Patel 2024			Not included
Q3	29	A longitudinal study of physical fitness in elite junior tennis players — Kramer 2016			Not included
Q3	30	Applying the 5Cs framework to elite youth tennis: Impact factors in a talent development environment — Harwood 2026			Not included
Q3	31	Objective Return-to-Sport (RTS) Decision Frameworks for Adolescent Shoulder and Elbow Injuries: Tests, Thresholds and Exercise Targets — Li 2026			Not included
Q3	32	External training load and the association with back pain in competitive adolescent tennis players: results from the SMASH cohort study — Johansson 2022			Not included
Q3	33	Effects of repetitive loading on the growth-induced changes in bone mass and cortical bone geometry: a 12-month study in pre/peri-and postmenarcheal tennis players — Ducher 2011			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	34	Epidemiology of tennis-related injuries among competitive youth players in Tunisia: Frequency, characteristics, and management patterns — Layouni 2025	Duplicate of Q1 #2	Yes	Included via PubMed record (PMID 40870523)
Q3	35	Helping Youth Athletes Thrive: An Exploratory Study of the Youth Tennis Market in New Zealand — 2019 thesis			Not included
Q3	36	Parental behaviors that affect junior tennis player development — Lauer 2010			Not included
Q3	37	Rehabilitation of lumbar bone stress injuries in Tennis players — Sims 2024			Not included
Q3	38	All-inside, all-epiphyseal anterior cruciate ligament reconstruction in skeletally immature athletes: return to sport, incidence of second surgery, and 2-year clinical outcomes — Cordasco 2017			Not included
Q3	39	Ranking in young tennis players-a study to determine possible correlates — Sogut 2019			Not included
Q3	40	Eccentric and isometric shoulder rotation strength and range of motion: normative values for adolescent competitive tennis players — Johansson 2022			Not included
Q3	41	Body composition and nutritional profile of male adolescent tennis players — Juzwiak 2008			Not included
Q3	42	An interdisciplinary approach to better understanding low back pain in elite adolescent tennis players — 2020 thesis			Not included
Q3	43	Common sport injury in tennis players: a literature review — Christianingsih 2025			Not included
Q3	44	Strength and conditioning in developmental tennis players — Fernandez-Fernandez 2019	Duplicate of Q2 #127		
Q3	45	Tennis: For the health of it! — Groppel 2009			Not included
Q3	46	Stress injury leading to slipped capital femoral epiphysis in a competitive adolescent tennis player: a case report — Kasper 2007			Not included
Q3	47	Sport injuries in the paediatric and adolescent patient: a growing problem — Kerssemakers 2009			Not included
Q3	48	Age and gender differences in injuries and risk factors in elite junior and professional tennis players — Rice 2022	Duplicate of Q1 #5	Yes	Included via PubMed record (PMID 35037501)

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	49	Musculoskeletal injuries in tennis — Perkins 2006	Duplicate of Q1 #31		
Q3	50	Lumbar loading in the elite adolescent tennis serve: link to low back pain — Campbell 2013		Yes	Not included
Q3	51	Relationship between interlimb asymmetries and performance variables in adolescent tennis players — Villanueva-Guerrero 2024			Not included
Q3	52	Training the adolescent athlete — Gabbett 2022			Not included
Q3	53	Developmental training model for the sport specialized youth athlete: a dynamic strategy for individualizing load-response during maturation — Jayanthi 2022			Not included
Q3	54	The Parent Advantage: Exploring Contextual Influences and Parental Roles in Tennis Talent Development — 2025 thesis			Not included
Q3	55	Understanding parental stressors: An investigation of British tennis-parents — Harwood 2009			Not included
Q3	56	Effects of a 12-week integrated core and plyometric training program on tennis skills, agility, strength, and balance in adolescent tennis players — Bangari 2025	Duplicate of Q1 #175		
Q3	57	Movement and skill adaptability: a novel approach to talent identification and development in tennis — 2019 thesis			Not included
Q3	58	The socialization of elite tennis players in Sweden: An analysis of the players' backgrounds and development — Carlson 1988			Not included
Q3	59	Retention in Junior Giants, a sport-based youth development program: what factors are associated with intentions to return? — Bolter 2024			Not included
Q3	60	Development, implementation, and evaluation of an athlete-informed mental skills training program for elite youth tennis players — Dohme 2020			Not included
Q3	61	Athletic performance, training characteristics, and orthopedic indications in junior tennis Davis Cup players — Fett 2017	Duplicate of Q1 #94		
Q3	62	Co-creation in youth sport development: Examining (mis) alignment between coaches and parents — Horne 2023			Not included
Q3	63	A risk tool for evaluating overuse injury and return-to-play time periods in youth and collegiate athletes: preliminary study — Schley 2025			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	64	Parenting in youth tennis: Understanding and enhancing children's experiences — Knight 2014			Not included
Q3	65	Long-term health outcomes of youth sports injuries — Maffulli 2010			Not included
Q3	66	Understanding the role parents play in tennis success: a national survey of junior tennis coaches — Gould 2006			Not included
Q3	67	Apophyseal injuries in children's and youth sports — Longo 2016			Not included
Q3	68	The effect of rope jumping training on the dynamic balance ability and hitting stability among adolescent tennis players — Shi 2023			Not included
Q3	69	Coincidence-anticipation timing and reaction time in youth tennis and table tennis players — Ak 2010			Not included
Q3	70	Group concept mapping fun determinants among junior tennis players in the United States: An ecological systems perspective — Visek 2025			Not included
Q3	71	Youth sport: friend or foe? — McKay 2019			Not included
Q3	72	Athletic identity and sport injury processes and outcomes in young athletes: a supplemental narrative review — Brewer 2024			Not included
Q3	73	The challenge of the sporting shoulder: From injury prevention through sport-specific rehabilitation toward return to play — Cools 2021			Not included
Q3	74	Exploring prevalent injuries among tennis players and optimal rehabilitation approaches: A systematic review protocol — Rodriguez-Gonzalez 2024	Duplicate of Q1 #57		
Q3	75	The junior tennis player — Davelaar 2023	Duplicate of Q1 #177		
Q3	76	Is risk-taking in talented junior tennis players related to overuse injuries? — Van der Sluis 2017			Not included
Q3	77	Understanding the impact of COVID-19 on youth sport in Australia and consequences for future participation and retention — Elliott 2021			Not included
Q3	78	The Women's Tennis Association (WTA) Multidisciplinary Education and Treatment Protocol for the Female Athlete Triad (1996-2022) — Ricker 2025			Not included
Q3	79	Burnout in competitive junior tennis players: I. A quantitative psychological assessment — Gould 1996			Not included
Q3	80	DEVELOPMENT IN SPORT — Knight 2017			Not included
Q3	81	Overuse injuries in children and adolescents — DiFiori 1999			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	82	Modeling longitudinal changes in 5 m sprinting performance among young male tennis players — Kramer 2016			Not included
Q3	83	Comparison of posture among adolescent male volleyball players and non-athletes — Grabara 2015			Not included
Q3	84	The role of parents in tennis success: Focus group interviews with junior coaches — Gould 2008			Not included
Q3	85	The impact of family financial investment on perceived parent pressure and child enjoyment and commitment in organized youth sport — Dunn 2016			Not included
Q3	86	AOSSM early sport specialization consensus statement — LaPrade 2016			Not included
Q3	87	Early sport specialization: roots, effectiveness, risks — Malina 2010			Not included
Q3	88	The demands of training and match-play on elite and highly trained junior tennis players: A systematic review — Fleming 2023			Not included
Q3	89	Can an early perceptuo-motor skills assessment predict future performance in youth table tennis players? An observational study (1998-2013) — Faber 2017			Not included
Q3	90	Epidemiology of musculoskeletal injury in the tennis player — Abrams 2012	Duplicate of Q1 #9	Yes	
Q3	91	Reaction time and special fitness of tennis players aged 10-12 years — Waldzinski 2023			Not included
Q3	92	Can perceptuo-motor skills assessment outcomes in young table tennis players (7-11 years) predict future competition participation and performance? — Faber 2016			Not included
Q3	93	Sport injuries: a review of outcomes — Maffulli 2011	Duplicate of Q2 #109	Yes	
Q3	94	A review of epidemiology of paediatric elbow injuries in sports — Magra 2007	Duplicate of Q1 #46		
Q3	95	Sport specialization, part I: does early sports specialization increase negative outcomes and reduce the opportunity for success in young athletes? — Myer 2015			Not included
Q3	96	Pediatric sports elbow injuries — Greiwe 2010			Not included
Q3	97	Musculoskeletal injuries in the young tennis player — Kibler 2000	Duplicate of Q1 #6	Yes	

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	98	Overview of injuries with racket sports in pediatric and adolescent population: a narrative review — Shrestha 2024 preprint	Duplicate of Q1 #145		
Q3	99	Overuse physeal injuries in youth athletes: risk factors, prevention, and treatment strategies — Arnold 2017			Not included
Q3	100	Trends in the presentation, management, and outcomes of little league shoulder — Heyworth 2016			Not included
Q3	101	Expert-novice differences in performance skills and problem representations of youth and adults during tennis competition — McPherson 1999			Not included
Q3	102	Relationship between sprint, change of direction, jump, and hexagon test performance in young tennis players — Hernandez-Davo 2021			Not included
Q3	103	The development of sport expertise: Mapping the tactical domain — McPherson 1994			Not included
Q3	104	Overuse injuries in adolescent athletes — Dalton 1992			Not included
Q3	105	Training load and injury incidence over one season in adolescent arab table tennis players: a pilot study — 2019	Duplicate of Q1 #105		
Q3	106	Elbow pain and injury in young athletes — Kramer 2010			Not included
Q3	107	The young tennis player — Colvin 2016 book			Not included
Q3	108	Risk factors, diagnosis and management of bone stress injuries in adolescent athletes: a narrative review — Beck 2021			Not included
Q3	109	Return to play in adolescent athletes with symptomatic spondylolysis without listhesis: a meta-analysis — Overley 2018			Not included
Q3	110	Stress fractures of the upper limb — Brukner 1998			Not included
Q3	111	Exploring perceived life skills development and participation in sport — Jones 2009			Not included
Q3	112	Predictability of physiological testing and the role of maturation in talent identification for adolescent team sports — Pearson 2006			Not included
Q3	113	Supporting adolescent athletes' dual careers: The role of an athlete's social support network — Knight 2018			Not included
Q3	114	Just let them play: Complex dynamics in youth sport, why it isn't so simple — Nash 2021			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	115	Sinding-Larsen-Johansson syndrome in a 9-year-old tennis player: a case report — Kartal 2025			Not included
Q3	116	Overuse injuries and burnout in youth sports: a position statement from the American Medical Society for Sports Medicine — DiFiori 2014	Duplicate of Q1 #183		
Q3	117	Sport parenting during the COVID-19 pandemic: Perceptions of parents and youth in Australia — Elliott 2023			Not included
Q3	118	Impact of fitness characteristics on tennis performance in elite junior tennis players — Ulbricht 2016			Not included
Q3	119	An overview of how sports, out-of-school time, and youth well-being can and do intersect — Le Menestrel 2007			Not included
Q3	120	Self-regulatory skills: Are they helpful in the prevention of overuse injuries in talented tennis players? — van der Sluis 2019			Not included
Q3	121	A one-season prospective study of injuries and illness in elite junior tennis — Pluim 2016	Duplicate of Q1 #35		Included (ref 12; Google Scholar-first)
Q3	122	Parenting in youth sport: A position paper on parenting expertise — Harwood 2015			Not included
Q3	123	Parental stressors in professional youth football academies: A qualitative investigation of specialising stage parents — Harwood 2010			Not included
Q3	124	An examination of the importance of performances in youth and junior competition as an indicator of later success in tennis — Brouwers 2012			Not included
Q3	125	Table tennis as a tool for physical education and health promotion in primary schools: A systematic review — Ortega-Zayas 2025			Not included
Q3	126	Table tennis musculoskeletal injuries in young high-level players: a 17-year retrospective cohort study — Bonhomme 2026	Duplicate of Q1 #142		
Q3	127	The adolescent athlete: a musculoskeletal update — Zito 1983			Not included
Q3	128	Twenty years' experience working within professional tennis — Harwood 2016			Not included
Q3	129	Research on the Sustainable Development of Competitive Sports Reserve Talents: The Experience of Chinese Table Tennis Team — Zhou 2026			Not included
Q3	130	Understanding adolescent low back pain from a multidimensional perspective: implications for management — O'Sullivan 2017			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	131	Spine injuries in tennis players — Mcanany 2016			Not included
Q3	132	Technical and tactical determinants of serve success and rally outcomes in U14 Taiwanese junior tennis players — Li 2025			Not included
Q3	133	Quantifying contextual interference and its effect on skill transfer in skilled youth tennis players — Buszard 2017			Not included
Q3	134	Primary periphyseal stress injuries in young athletes: a systematic review — Caine 2022		Yes	Included via PubMed record (PMID 34370212)
Q3	135	Sex differences in youth and young adult sport training patterns, specialization, and return to sport durations — Buser 2025			Not included
Q3	136	Evaluation and management of lower back pain in young athletes — Patel 2017			Not included
Q3	137	The role of parental involvement in youth sport participation and performance — Hoyle 1997			Not included
Q3	138	Can perceptuo-motor skills outcomes predict future competition participation/drop-out and competition performance in youth table tennis players? A 9-year follow-up — Faber 2023			Not included
Q3	139	Physeal injuries in children's and youth sports: reasons for concern? — Caine 2006	Duplicate of Q1 #124		
Q3	140	Low back pain in the adolescent athlete — De Luigi 2014			Not included
Q3	141	Talent development in elite junior tennis: Perceptions of players, parents, and coaches — Wolfenden 2005			Not included
Q3	142	Human rights in youth sport: a critical review of children's rights in competitive sport — 2004 book			Not included
Q3	143	Health problems in youth competitive alpine skiing: A 12-month observation of 155 athletes around the growth spurt — Schoeb 2020			Not included
Q3	144	Application Analysis of Psychological Training in Tennis Teaching of Young Athletes — Wang 2025			Not included
Q3	145	Throwing sports and injuries involving the young athlete's spine — Kriz 2013			Not included
Q3	146	Childhood and adolescent sports-related overuse injuries — Cassas 2006			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	147	Understanding acute apophyseal spinous process avulsion injuries — Koehler 2014			Not included
Q3	148	Sports injuries in adolescents — Patel 2000			Not included
Q3	149	What keeps kids coming back? Retention in a sport-based positive youth development program — Anderson-Butcher 2022			Not included
Q3	150	Impact of physical performance and anthropometric characteristics on serve velocity in elite junior tennis players — Fett 2020			Not included
Q3	151	Effects of a 6-week on-court training program on the International Tennis Number (ITN) and a range of physical fitness characteristics in young tennis players — Morais 2024			Not included
Q3	152	Consequences of single sport specialization in the pediatric and adolescent athlete — Smucny 2015			Not included
Q3	153	Enhancing wellbeing, long-term development, and performance in youth sport: Insights from experienced applied sport psychologists working with young athletes — Thrower 2024			Not included
Q3	154	Long term sport involvement and sport injury rate in elite young athletes — Maffulli 2005	Duplicate of Q1 #133		
Q3	155	Best practice for youth sport — 2016 book			Not included
Q3	156	Rehabilitation of the shoulder in tennis players — Ellenbecker 2019			Not included
Q3	157	A systematic review of dropout from organized sport among children and youth — Crane 2015			Not included
Q3	158	The relative age effect and physical fitness characteristics in German male tennis players — Ulbricht 2015			Not included
Q3	159	Expert-novice differences in planning strategies during collegiate singles tennis competition — McPherson 2000			Not included
Q3	160	Effects of a 6-week junior tennis conditioning program on service velocity — Fernandez-Fernandez 2013			Not included
Q3	161	Imaging of sports injuries in adolescents — Cerezal 2025			Not included
Q3	162	Sagittal spinal morphology in highly trained adolescent tennis players — Muyor 2013		Yes	Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	163	Tactical differences in problem representations and solutions in collegiate varsity and beginner female tennis players — McPherson 1999			Not included
Q3	164	Comparison of scoliosis posture athlete's table tennis and tennis at children and adolescents — Purnama 2018			Not included
Q3	165	Optimizing young tennis players' development: Exploring the impact of emerging technologies on training effectiveness and technical skills acquisition — Liu 2024			Not included
Q3	166	Psychological well-being from sports injuries in adolescence: a narrative review — Jeong 2024			Not included
Q3	167	Shoulder injury prevention in youth tennis 12-16 years old: exercise guide implemented as warmup for Alk tennis club — 2022 thesis			Not included
Q3	168	Sustainability in Youth Sport Performance: a Study on Anthropometry and Motor Skills in Women's Tennis — Scamardella 2026			Not included
Q3	169	Revealing findings in youth sport parenting research — Knight 2019			Not included
Q3	170	Match analysis of elite players during paddle tennis competition — Torres-Luque 2015			Not included
Q3	171	The impact of sex and biological maturation on physical fitness in adolescent badminton players — Fernandez-Fernandez 2023			Not included
Q3	172	Spondylolysis and spondylolisthesis in the child and adolescent athlete — Herman 2003			Not included
Q3	173	Diagnostic Imaging in Tennis: Epidemiology, Biomechanics, and Radiologic Spectrum of Injuries — da Silva 2025			Not included
Q3	174	Overuse injury and growing bones: the young athlete at risk — Gerrard 1993			Not included
Q3	175	Age and sex-related upper body performance differences in competitive young tennis players — Fernandez-Fernandez 2019			Not included
Q3	176	The effects of sports involvement in youth — Maffulli 2010			Not included
Q3	177	Rotator cuff injuries in adolescent athletes — Weiss 2013			Not included
Q3	178	Until it hurts: America's obsession with youth sports and how it harms our kids — 2009 book			Not included
Q3	179	Spine Injuries in Tennis — Salzmann 2019			Not included

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	180	Participation, Commitment, and Loyalty Towards Youth Tennis: Player and Parent Perceptions — Fjelstul 2023			Not included
Q3	181	Coaches' and players' perceptions of goal setting in junior tennis: An exploratory investigation — Weinberg 1997			Not included
Q3	182	The influence of parenting practices and parental presence on children's and adolescents' pre-competitive anxiety — Bois 2009			Not included
Q3	183	Acute lower extremity injuries in pediatric and adolescent sports — Maffulli 2016			Not included
Q3	184	United States Elite Youth Tennis Athletes' Use of Psychological Strategies in Competition — Lauer 2017			Not included
Q3	185	Evaluation of shoulder and knee isokinetic strength profile among elite adolescent badminton players — Zulfikri 2021			Not included
Q3	186	Technology-enabled reflection enhances coaching behavior in youth tennis coaches — Glen 2024			Not included
Q3	187	Understanding the interpersonal dynamics of parent-coach relationships in youth tennis — Tagliavini			Not included
Q3	188	Overuse injuries in youth sports — Stein 2010			Not included
Q3	189	Effects of resistance training in youth athletes on muscular fitness and athletic performance: a conceptual model for long-term athlete development — Granacher 2016			Not included
Q3	190	The Dutch motor skills assessment as tool for talent development in table tennis: a reproducibility and validity study — Faber 2015			Not included
Q3	191	Training Load and Injury Incidence Over one Season in Adolescent Arab Tennis Tennis Players: A Pilot Study — Pullinger			Not included
Q3	192	Psychological Aspects of Recovery in Tennis — Dieffenbach 2010			Not included
Q3	193	Anthropometric characterization and physical performance by age and biological maturation in young tennis players — Luna-Villouta 2021			Not included
Q3	194	The thoracolumbar spine in young elite athletes: current concepts on the effects of physical training — Sward 1992			Not included
Q3	195	Training Load and Injury Incidence Over one Season in Adolescent Arab Tennis Tennis Players: A Pilot Study — Rejeb 2019 duplicate	Duplicate of Q3 #191		

Query	Rank	Record (title — first authors, venue, year)	Duplicate	In PubMed set	Decision
Q3	196	Growth and pubertal development in children and adolescents: effects of diet and physical activity — Rogol 2000			Not included
Q3	197	Supporting my daughter, the best way I can: Parental support in youth golf — McIlmoyle 2024			Not included
Q3	198	Elbow, wrist, and hand injuries in the young tennis athlete — Wang 2016			Not included
Q3	199	Conception for fitness testing and individualized training programs in the German Tennis Federation — Ulbricht 2013			Not included
Q3	200	Overuse injury of the physis: a growing problem — DiFiori 2010			Not included

Supplementary Table S4 | Verification search for adolescent tennis rehabilitation and return-to-sport trials (September 4, 2026): all 36 records and their assessment

None of the 36 records is a rehabilitation, exercise-therapy, or return-to-sport trial of a lower-extremity injury in adolescent tennis players. Seven records also appear among the 117 primary PubMed records.

PMID	Year	Journal	Title	Also in primary 117	Assessment
41173216	2025	J ISAKOS	Posterior capsulolabral reconstruction results in good clinical and return to sport outcomes in tennis players with microtraumatic posterior shoulder instability		Shoulder surgery outcomes; adults
41170490	2025	Front Public Health	Effects of 12 weeks of fascia knife release therapy in combination with exercise for treating neck and shoulder pain in adolescent table tennis players		Table tennis; neck/shoulder
41131145	2025	Sci Rep	The effect of complex training on strength, counter movement jump and change of direction skills in female junior table tennis players	Yes	Table tennis; performance outcomes
40798930	2026	Res Sports Med	Acute effects of prolonged durations of static stretching on athletic performance and flexibility	Yes	Performance; not an injury trial
40780014	2025	J Pediatr Nurs	The effect of exercise with augmented reality glasses on metabolic parameters, anthropometric measurement values and quality of life in children aged 10-12 with type 1 diabetes: a randomized controlled trial		Not tennis; not injury
40551019	2025	Nat Med	An adaptive AI-based virtual reality sports system for adolescents with excess body weight: a randomized controlled trial		Not tennis; not injury
39947194	2025	Int J Sports Physiol Perform	Effects of postactivation performance enhancement from upper-body flywheel overload on tennis-serve performance		Performance outcomes
39140729	2024	Am J Sports Med	Fresh osteochondral allograft transplantation of the capitellum for the treatment of osteochondritis dissecans	Yes	Elbow surgery
37660696	2023	Complement Med Res	Effects of yoga training applied with telerehabilitation on core stabilization and physical fitness in junior tennis players: a randomized controlled trial		Junior tennis; fitness outcomes, not injury rehabilitation
34882729	2021	PLoS One	Acute and delayed effects of strength training in ball velocity and accuracy in young competition tennis players		Performance outcomes

PMID	Year	Journal	Title	Also in primary 117	Assessment
33629971	2022	J Strength Cond Res	Weightlifting is better than plyometric training to improve strength, counter movement jump, and change of direction skills in Tunisian elite male junior table tennis players		Table tennis; performance
33492271	2021	J Back Musculoskelet Rehabil	Post-activation performance enhancement of dynamic stretching and heavy load warm-up strategies in elite tennis players	Yes	Performance outcomes
33028383	2020	J Orthop Surg Res	Tennis elbow, study protocol for a randomized clinical trial: needling with and without platelet-rich plasma after failure of up-to-date rehabilitation		Lateral epicondylitis; adults; protocol
32209068	2020	BMC Musculoskelet Disord	The effect of manual therapy to the thoracic spine on pain-free grip and sympathetic activity in patients with lateral epicondylalgia humeri		Lateral epicondylalgia; adults
32132826	2020	J Sports Sci Med	The impact of eye-closed and weighted multi-ball training on the improvement of the stroke effect of adolescent table tennis players		Table tennis; performance
31561325	2020	J Back Musculoskelet Rehabil	The effect of different exercise types on sedentary young women's lipid profile	Yes	Not tennis; not injury
31103128	2019	J Bodyw Mov Ther	The effectiveness of biomechanical taping technique on visual analogue scale, static maximum handgrip strength, and Patient Rated Tennis Elbow Evaluation of patients with lateral epicondylalgia: a cross-over study		Lateral epicondylalgia; adults
30698771	2019	Pain Med	Prolotherapy vs radial extracorporeal shock wave therapy in the short-term treatment of lateral epicondylosis: a randomized clinical trial		Lateral epicondylosis; adults
28731885	2018	Clin J Sport Med	Effectiveness of a posterior shoulder stretching program on university-level overhead athletes: randomized controlled trial		Shoulder; university athletes
26260555	2015	Acta Med Indones	Model and effectiveness of endurance exercise to increase physical fitness in intellectual disability subjects with obesity: a randomized controlled trial	Yes	Not tennis; not injury

PMID	Year	Journal	Title	Also in primary 117	Assessment
25283157	2014	BMC Public Health	Linking secondary school physical education with community sport and recreation for girls: a process evaluation		Not injury
25022762	2014	Acad Radiol	IMpact of Platelet Rich plasma OVer alternative therapies in patients with lateral Epicondylitis (IMPROVE): protocol for a multicenter randomized controlled study		Lateral epicondylitis; adults; protocol
23986524	2013	Pediatr Exerc Sci	Effects of two different resistance-training programs on mean tennis-serve velocity in adolescents		Performance outcomes
22342819	2012	PM R	Noninvasive monopolar capacitive-coupled radiofrequency for the treatment of pain associated with lateral elbow tendinopathies: 1-year follow-up		Lateral elbow tendinopathy; adults
22067244	2012	J Strength Cond Res	Acute effects of a warm-up including active, passive, and dynamic stretching on vertical jump performance		Performance outcomes
21033121	2010	Zhongguo Yi Liao Qi Xie Za Zhi	Principle and application of orthopedic ESWT apparatus		Device description; not a trial in tennis players
20003341	2009	BMC Musculoskelet Disord	Transcutaneous electrical nerve stimulation for the management of tennis elbow: a pragmatic randomized controlled trial: the TATE trial		Lateral epicondylitis; adults
19961603	2009	BMC Musculoskelet Disord	Physiotherapy alone or in combination with corticosteroid injection for acute lateral epicondylitis in general practice: a protocol for a randomised, placebo-controlled study		Lateral epicondylitis; adults; protocol
19497707	2009	Res Dev Disabil	The effectiveness of exercise intervention on inhibitory control in children with developmental coordination disorder		Not tennis; not injury
18971247	2009	Br J Sports Med	Randomised, double-blind, placebo-controlled clinical trial of a new topical glyceryl trinitrate patch for chronic lateral epicondylosis		Lateral epicondylosis; adults
17890274	2007	Rheumatology (Oxford)	Conservative treatments for tennis elbow do subgroups of patients respond differently?		Lateral epicondylitis; adults
17012266	2006	BMJ	Mobilisation with movement and exercise, corticosteroid injection, or wait and see for tennis elbow: randomised trial		Lateral epicondylitis; adults

PMID	Year	Journal	Title	Also in primary 117	Assessment
12810936	2003	Rheumatology (Oxford)	Prognostic factors in lateral epicondylitis: a randomized trial with one-year follow-up in 266 new cases treated with minimal occupational intervention or the usual approach in general practice		Lateral epicondylitis; adults
12019587	2002	Scand J Work Environ Health	Effects of manual work on recovery from lateral epicondylitis		Lateral epicondylitis; adults
11032216	2000	Am J Sports Med	Influence of resistance training volume and periodization on physiological and performance adaptations in collegiate women tennis players	Yes	Performance outcomes; collegiate
7943517	1994	Am J Sports Med	Isokinetic concentric versus eccentric training of shoulder rotators with functional evaluation of performance enhancement in elite tennis players		Shoulder; performance outcomes

Supplementary Table S5 | Source route and population-applicability tier of every reference in the revised manuscript (n = 64)

Tiers: 1 = adolescent tennis only; 2 = mixed-age tennis with adolescent findings reported separately; 3 = mixed-age tennis without separable adolescent findings; 4 = adolescent evidence from other sports; 5 = adult evidence. Mixed-age multisport samples without separable adolescent findings are conservatively grouped with Tier 5 and labeled as mixed-age context. Tiers indicate applicability, not quality or risk of bias. Source routes: PubMed search (26), Google Scholar search (6), reference-list hand-search or targeted condition-specific search (31), and non-peer-reviewed report (1).

No.	Reference (first author, year, journal)	Tier	Source route
1	International Tennis Federation 2024, ITF Global Tennis Report	Tier 3	Non-peer-reviewed report (participation context only)
2	Fu 2018, Current Reviews in Musculoskeletal Medicine	Tier 2	Google Scholar search (first 200 results)
3	Dines 2015, Journal of the American Academy of Orthopaedic Surgeons	Tier 3	Google Scholar search (first 200 results)
4	Bylak 1998, Sports Medicine	Tier 2	PubMed search (full strategy)
5	Llanes 2023, Arthroscopy, Sports Medicine, and Rehabilitation	Tier 1	PubMed search (full strategy)
6	Gescheit 2019, Journal of Science and Medicine in Sport	Tier 1	PubMed search (full strategy)
7	Amor-Salamanca 2025, Sports	Tier 2	PubMed search (full strategy)
8	Shrestha 2026, International Journal of Environmental Research and Public Health	Tier 4	PubMed search (full strategy)
9	Bahr 2020, British Journal of Sports Medicine	Tier 5	Reference-list hand-search or targeted condition-specific search
10	Verhagen 2021, British Journal of Sports Medicine	Tier 3	Google Scholar search (first 200 results)
11	Pluim 2009, British Journal of Sports Medicine	Tier 3	Reference-list hand-search or targeted condition-specific search
12	Pluim 2016, Scandinavian Journal of Medicine & Science in Sports	Tier 1	Google Scholar search (first 200 results)
13	Kovacs 2014, Journal of Medicine and Science in Tennis	Tier 1	Reference-list hand-search or targeted condition-specific search
14	O'Connor 2020, The Physician and Sportsmedicine	Tier 2	PubMed search (full strategy)
15	Rice 2022, Sports Health	Tier 2	PubMed search (full strategy)
16	Layouni 2025, Medicina	Tier 3	PubMed search (full strategy)
17	Upshaw 2026, Journal of Sport Rehabilitation	Tier 1	PubMed search (full strategy)
18	Docters 2026, The Physician and Sportsmedicine	Tier 3	PubMed search (full strategy)
19	Mysore 2026, Injury	Tier 3	PubMed search (full strategy)

No.	Reference (first author, year, journal)	Tier	Source route
20	Wiersma 2018, Injury Epidemiology	Tier 4	Reference-list hand-search or targeted condition-specific search
21	Hutchinson 1995, Medicine and Science in Sports and Exercise	Tier 1	PubMed search (full strategy)
22	Silva 2003, Journal of Science and Medicine in Sport	Tier 1	PubMed search (full strategy)
23	Hjelm 2010, Knee Surgery, Sports Traumatology, Arthroscopy	Tier 1	PubMed search (full strategy)
24	Kaiser 2021, Orthopaedic Journal of Sports Medicine	Tier 3	PubMed search (full strategy)
25	Nigg 1987, Journal of Sports Sciences	Tier 5	Reference-list hand-search or targeted condition-specific search
26	Hjelm 2012, Scandinavian Journal of Medicine & Science in Sports	Tier 1	PubMed search (full strategy)
27	Jayanthi 2015, American Journal of Sports Medicine	Tier 4	Reference-list hand-search or targeted condition-specific search
28	Kamiya 2023, BMJ Open Sport & Exercise Medicine	Tier 4	Google Scholar search (first 200 results)
29	Saigo 2026, British Journal of Sports Medicine	Tier 1	Reference-list hand-search or targeted condition-specific search
30	van der Sluis 2014, International Journal of Sports Medicine	Tier 4	Reference-list hand-search or targeted condition-specific search
31	Caine 2022, Sports Medicine	Tier 4	PubMed search (full strategy)
32	Minghelli 2019, The Journal of Sports Medicine and Physical Fitness	Tier 3	PubMed search (full strategy)
33	Acquaye 2020, South African Journal of Physiotherapy	Tier 5	Reference-list hand-search or targeted condition-specific search
34	Render 2026, Sports Health	Tier 5	PubMed search (full strategy)
35	Girard 2007, British Journal of Sports Medicine	Tier 5	Google Scholar search (first 200 results)
36	Starbuck 2017, Journal of Science and Medicine in Sport	Tier 5	PubMed search (full strategy)
37	Martin 2021, Journal of Orthopaedic & Sports Physical Therapy	Tier 5	Reference-list hand-search or targeted condition-specific search
38	Smith 2021, British Journal of Sports Medicine	Tier 5	Reference-list hand-search or targeted condition-specific search
39	Harris 2021, Physical Therapy in Sport	Tier 4	PubMed search (full strategy)
40	Willy 2019, Journal of Orthopaedic & Sports Physical Therapy	Tier 5	Reference-list hand-search or targeted condition-specific search

No.	Reference (first author, year, journal)	Tier	Source route
41	Bittencourt 2024, Journal of Bodywork and Movement Therapies	Tier 4	PubMed search (full strategy)
42	Ducher 2010, Scandinavian Journal of Medicine & Science in Sports	Tier 1	PubMed search (full strategy)
43	Rathleff 2020, Orthopaedic Journal of Sports Medicine	Tier 4	Reference-list hand-search or targeted condition-specific search
44	Ndjonko 2026, Orthopaedic Journal of Sports Medicine	Tier 4	Reference-list hand-search or targeted condition-specific search
45	Askling 2013, British Journal of Sports Medicine	Tier 5	Reference-list hand-search or targeted condition-specific search
46	Pas 2015, British Journal of Sports Medicine	Tier 5	Reference-list hand-search or targeted condition-specific search
47	Ishøi 2020, British Journal of Sports Medicine	Tier 5	Reference-list hand-search or targeted condition-specific search
48	van Dyk 2019, British Journal of Sports Medicine	Tier 5	Reference-list hand-search or targeted condition-specific search
49	Millar 1979, American Journal of Sports Medicine	Tier 5	PubMed search (full strategy)
50	Bright 2017, Sports Health	Tier 5	Reference-list hand-search or targeted condition-specific search
51	de Vos 2021, British Journal of Sports Medicine	Tier 5	Reference-list hand-search or targeted condition-specific search
52	Chimenti 2024, Journal of Orthopaedic & Sports Physical Therapy	Tier 5	Reference-list hand-search or targeted condition-specific search
53	Boden 2000, Journal of the American Academy of Orthopaedic Surgeons	Tier 5	Reference-list hand-search or targeted condition-specific search
54	Mehta 2023, American Journal of Sports Medicine	Tier 4	Reference-list hand-search or targeted condition-specific search
55	Warden 2021, Journal of Orthopaedic & Sports Physical Therapy	Tier 5	Reference-list hand-search or targeted condition-specific search
56	Hoenig 2022, Nature Reviews Disease Primers	Tier 5	Reference-list hand-search or targeted condition-specific search
57	Vandervliet 2007, British Journal of Sports Medicine	Tier 4	PubMed search (full strategy)

No.	Reference (first author, year, journal)	Tier	Source route
58	Kazi 2024, Sports Health	Tier 4	Reference-list hand-search or targeted condition-specific search
59	Dhillon 2017, Indian Journal of Orthopaedics	Tier 5	Reference-list hand-search or targeted condition-specific search
60	Dubois 2020, British Journal of Sports Medicine	Tier 5	Reference-list hand-search or targeted condition-specific search
61	Ferman 2024, Journal of Pediatric Orthopaedics	Tier 5 (mixed-age multisport; ages 14–22)	PubMed search (full strategy)
62	Ardern 2016, British Journal of Sports Medicine	Tier 5	Reference-list hand-search or targeted condition-specific search
63	Shrier 2015, British Journal of Sports Medicine	Tier 5	Reference-list hand-search or targeted condition-specific search
64	Rössler 2014, Sports Medicine	Tier 4	Reference-list hand-search or targeted condition-specific search