

Investigating the effect of recent sport-related concussion on sleep in university or college athletes: a systematic review with meta-analysis

Search strategy

Embase

1	exp sleep/
2	exp insomnia/
3	insomnia*.mp.
4	sleep*.mp.
5	1 or 2 or 3 or 4
6	mild traumatic brain injur*.mp.
7	mbti.mp.
8	concuss*.mp.
9	(post-concussion* or post concussion*).mp.
10	exp brain concussion/
11	brain injur*.mp.
12	((mild or minor) and traumatic brain injur*).mp.
13	((((brain or head) and (trauma* or injur*)) adj5 (mild or minor))).mp.
14	6 or 7 or 8 or 9 or 10 or 11 or 12 or 13
15	colleg*.mp.
16	universit*.mp.
17	exp sport injury/
18	athlet*.mp.
19	sport*.mp.
20	exp sport/
21	exp sports medicine/
22	15 or 16 or 17 or 18 or 19 or 20 or 21
23	5 and 14 and 22

MEDLINE

1	exp sleep/
2	exp "Sleep Initiation and Maintenance Disorders"/
3	insomnia*.mp.
4	sleep*.mp.
5	1 or 2 or 3 or 4
6	mild traumatic brain injur*.mp.
7	mbti.mp.
8	concuss*.mp.
9	(post-concussion* or post concussion*).mp.
10	exp brain concussion/
11	brain injur*.mp.

12	((mild or minor) and traumatic brain injur*).mp.
13	((((brain or head) and (trauma* or injur*)) adj5 (mild or minor)).mp.
14	6 or 7 or 8 or 9 or 10 or 11 or 12 or 13
15	colleg*.mp.
16	universit*.mp.
17	exp athletic injuries/
18	athlet*.mp.
19	sport*.mp.
20	exp sports/
21	exp sports medicine/
22	15 or 16 or 17 or 18 or 19 or 20 or 21
23	5 and 14 and 22

PsycINFO

1	exp sleep/
2	exp insomnia/
3	insomnia*.mp.
4	sleep*.mp.
5	1 or 2 or 3 or 4
6	mild traumatic brain injur*.mp.
7	mbti.mp.
8	concuss*.mp.
9	(post-concussion* or post concussion*).mp.
10	exp brain concussion/
11	brain injur*.mp.
12	((mild or minor) and traumatic brain injur*).mp.
13	((((brain or head) and (trauma* or injur*)) adj5 (mild or minor)).mp.
14	6 or 7 or 8 or 9 or 10 or 11 or 12 or 13
15	colleg*.mp.
16	universit*.mp.
17	athlet*.mp.
18	sport*.mp.
19	exp sports/
20	exp sports medicine/
21	15 or 16 or 17 or 18 or 19 or 20 or 21
22	5 and 14 and 22

CINAHL

S1	insomnia*
S2	sleep*
S3	(MH "Sleep+")
S4	(MH "Insomnia+")
S5	S1 or S2 or S3 or S4

S6	mild traumatic brain injur*
S7	mbti
S8	concuss*
S9	post-concussion*
S10	post concussion*
S11	brain injur*
S12	(MH "Brain Concussion+")
S13	((brain or head) and (trauma* or injur*)) adj5 (mild or minor)
S14	(mild or minor) and traumatic brain injur*
S15	S6 or S7 or S8 or S9 or S10 or S11 or S12 or S13 OR S14
S16	colleg*
S17	universit*
S18	(MH "Sports+")
S19	athlet*.mp.
S20	sport*.mp.
S21	(MH "Sports Medicine+")
S22	S16 or S17 or S18 or S19 or S20 or S21
S23	S5 and S15 and S22

Web of Science

#1	ALL = mild traumatic brain injur*
#2	ALL = mbti
#3	ALL = concuss*
#4	ALL = Post-concussion*
#5	ALL = post concussion*
#6	ALL = brain injur*
#7	#6 OR #5 OR #4 OR #3 OR #2 OR #1
#8	ALL = insomnia*
#9	ALL = sleep*
#10	ALL = sleep wake disorder*
#11	#10 OR #9 OR #8
#12	ALL = colleg*
#13	ALL = universit*
#14	ALL = sport* injur*
#15	ALL = athlet*
#16	ALL = sport*
#17	#16 OR #15 OR #14 OR #13 OR #12
#18	#17 AND #11 AND #7

Cochrane Library

#1	sleep*
#2	insomnia*
#3	MeSH descriptor: [Sleep] explode all trees

#4	MeSH descriptor: [Sleep Initiation and Maintenance Disorders] explode all trees
#5	mild traumatic brain injur*
#6	mbti
#7	concuss*
#8	post-concussion*
#9	post concussion*
#10	MeSH descriptor: [Brain Concussion] explode all trees
#11	brain injur*
#12	(mild or minor) and traumatic brain injur*
#13	((brain or head) and (trauma* or injur*)) adj5 (mild or minor)
#14	colleg*
#15	universit*
#16	athlet*
#17	sport*
#18	MeSH descriptor: [Sports] explode all trees
#19	MeSH descriptor: [Sports Medicine] explode all trees
#20	#1 OR #2 OR #3 OR #4
#21	#5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13
#22	#14 OR #15 OR #16 OR #17 OR #18 OR #19
#23	#20 AND #21 AND #22