

## Online Appendix 1. Search Strategies in Databases

Search codes in MEDLINE:

#	Searches
1	Fractures, Stress/
2	(stress adj3 fractur\$).tw,kf.
3	(shin adj3 splint\$).tw,kf.
4	(bone adj3 stress adj3 reaction\$).tw,kf.
5	(bone adj3 stress adj3 injur\$).tw,kf.
6	((fract\$ or injur\$) adj3 (insufficiency or fatigue or overuse)).tw,kf.
7	or/1-6
8	randomized controlled trial.pt.
9	controlled clinical trial.pt.
10	randomized.ab.
11	randomised.ab.
12	placebo.ab.
13	drug therapy.fs.
14	randomly.ab.
15	trial.ab.
16	groups.ab.
17	or/8-16
18	exp animals/ not humans.sh.
19	17 not 18
20	7 and 19

Search codes in EMBASE:

#	Searches
1	stress fracture/
2	(stress adj3 fractur\$).tw.
3	(shin adj3 splint\$).tw.

4	(bone adj3 stress adj3 reaction\$).tw.
5	(bone adj3 stress adj3 injur\$).tw.
6	((fract\$ or injur\$) adj3 (insufficiency or fatigue or overuse)).tw.
7	or/1-6
8	crossover-procedure/ or double-blind procedure/ or randomized controlled trial/ or single-blind procedure/ or (random* or factorial* or crossover* or cross over* or placebo* or (doubl* adj blind*) or (singl* adj blind*) or assign* or allocat* or volunteer*).tw.
9	(exp animal/ or animal experiment/ or nonhuman/) not (exp human/ or human experiment/)
10	8 not 9
11	7 and 10

Search codes in Cochrane Central:

#	Searches
1	exp Fractures, Stress/
2	(stress adj3 fractur\$).tw.
3	(shin adj3 splint\$).tw.
4	(bone adj3 stress adj3 reaction\$).tw.
5	(bone adj3 stress adj3 injur\$).tw.
6	((fract\$ or injur\$) adj3 (insufficiency or fatigue or overuse)).tw.
7	or/1-6

Search codes in CINAHL:

#	Searches
S31	(S30) AND (S7)
S30	S29 NOT S28
S29	S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21 OR S22
S28	S26 NOT S27
S27	MH (human)
S26	S23 OR S24 OR S25
S25	TI (animal model*)

S24	MH (animal studies)
S23	MH animals+
S22	AB (cluster W3 RCT)
S21	MH (crossover design) OR MH (comparative studies)
S20	AB (control W5 group)
S19	PT (randomized controlled trial)
S18	MH (placebos)
S17	MH (sample size) AND AB (assigned OR allocated OR control)
S16	TI (trial)
S15	AB (random*)
S14	TI (randomised OR randomized)
S13	MH cluster sample
S12	MH pretest-posttest design
S11	MH random assignment
S10	MH single-blind studies
S9	MH double-blind studies
S8	MH randomized controlled trials
S7	s1 or s2 or s3 or s4 or s5 or s6
S6	TI ( ((fract* or injur*) N3 (insufficiency or fatigue or overuse)) ) OR AB ( ((fract* or injur*) N3 (insufficiency or fatigue or overuse)) )
S5	TI bone N3 stress N3 injur* OR AB bone N3 stress N3 injur*
S4	TI bone N3 stress N3 reaction* OR AB bone N3 stress N3 reaction*
S3	TI shin N3 splint* OR AB shin N3 splint*
S2	TI stress N3 fractur* OR AB stress N3 fractur*
S1	(MH "Fractures, Stress+")