

Appendix 1. Minors Quality Grading of Studies

	Ricci	Moongilpatti Sengodan	Krettek	Seyhan 2013	Seyhan 2012	Kim	Kulkarni	VanDyke	Seyhan 2011	Shah	Bhangadiya	Gao	Song
1. A clearly stated aim	1	2	2	1	2	2	2	2	2	2	2	1	2
2. Inclusion of consecutive patients	2	2	0	0	0	0	0	0	0	0	0	0	0
3. Prospective collection of data	0	2	2	0	0	0	0	0	0	0	0	0	0
4. Endpoints appropriate to the aim of the study	2	2	2	2	2	2	2	2	2	2	2	2	2
5. Unbiased assessment of the study endpoint	2	1	2	2	2	2	2	2	2	1	2	2	2
6. Follow-up period appropriate to the aim of the study	2	2	2	2	2	2	2	2	2	2	2	2	2
7. Loss to follow up less than 5%	1	2	1	2	2	2	2	2	2	2	2	2	2
*8. Prospective calculation of the study size	0	0	0	0	0	0	0	2	0	0	0	0	0
*9. An adequate control group								2	1				2
10. Contemporary groups								1	1				1
*11. Baseline equivalence of groups								1	1				1
*12. Adequate statistical analyses								2	2				2
Total	10	13	11	9	10	10	10	18	15	9	10	9	16

\*Additional criteria in the case of comparative studies.

Supplementary Figures

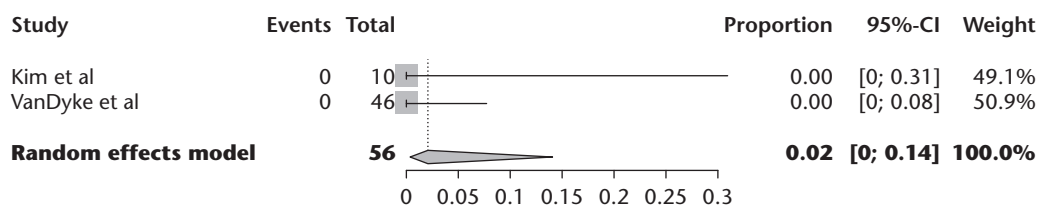


Fig. S1 Overall outcome proportion of malalignment in femoral studies.

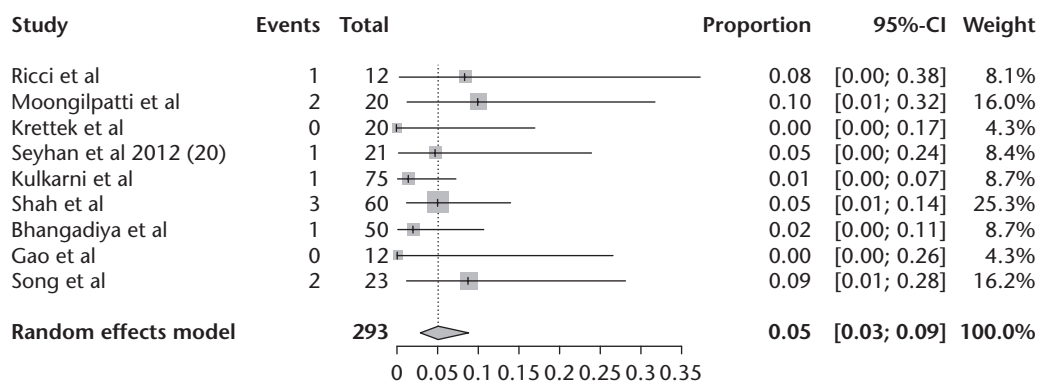


Fig. S2 Overall outcome proportion of malalignment in tibial studies.

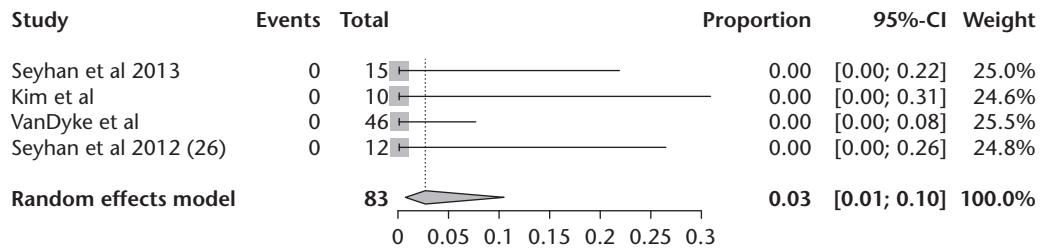


Fig. S3 Overall outcome proportion of nonunion in femoral studies.

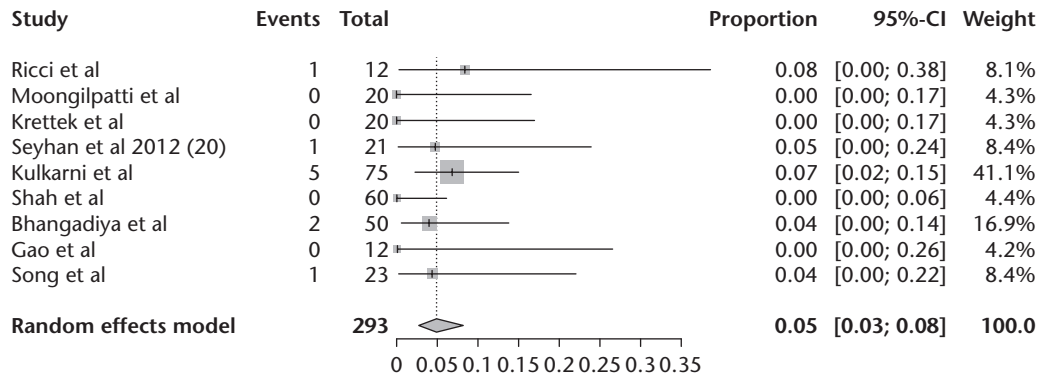


Fig. S4 Overall outcome proportion of nonunion in tibial studies.

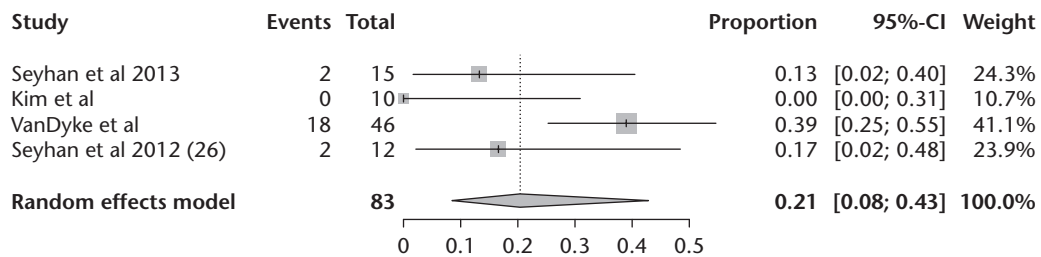


Fig. S5 Overall outcome proportion of secondary procedures in femoral studies.

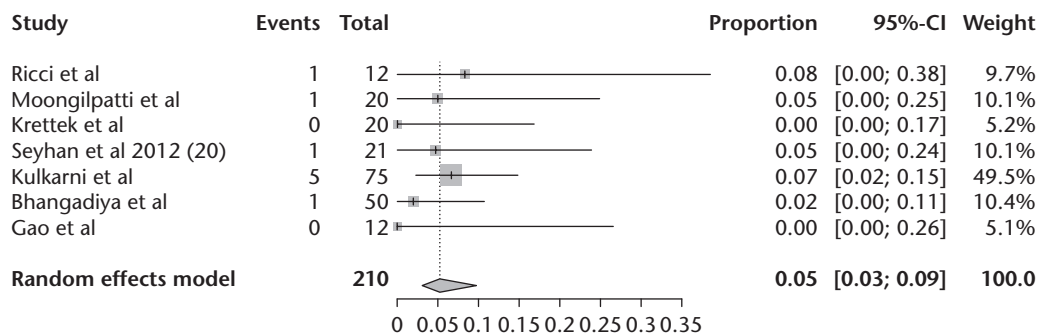


Fig. S6 Overall outcome proportion of secondary procedures in tibial studies.

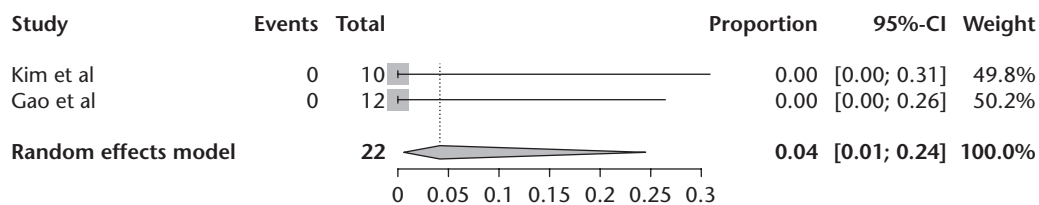


Fig. S7 Overall outcome proportion of malalignment in nonunion studies.

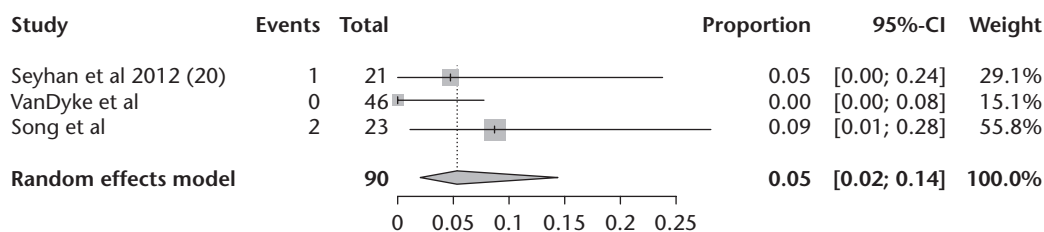


Fig. S8 Overall outcome proportion of malalignment in acute fracture studies.

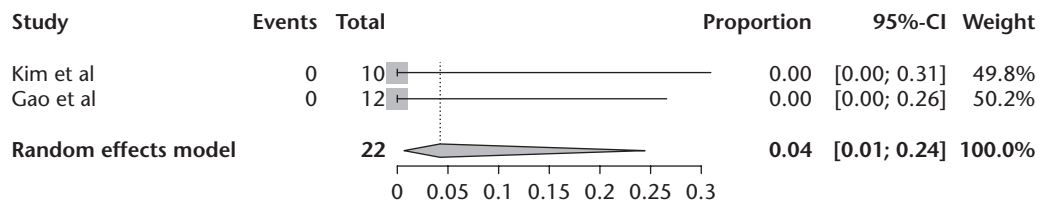


Fig. S9 Overall outcome proportion of secondary procedures in nonunion studies.

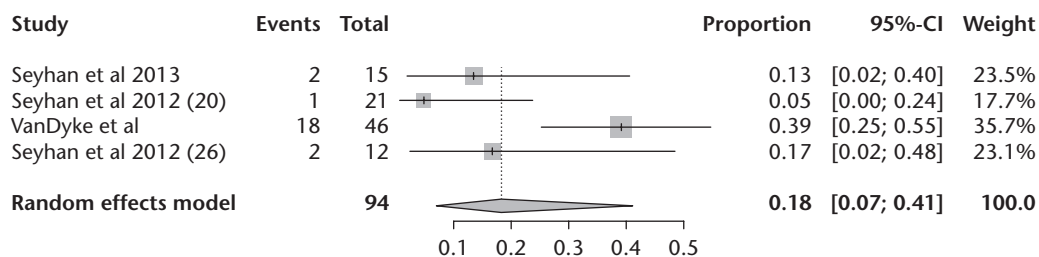


Fig. S10 Overall outcome proportion of secondary procedures in acute fracture studies.