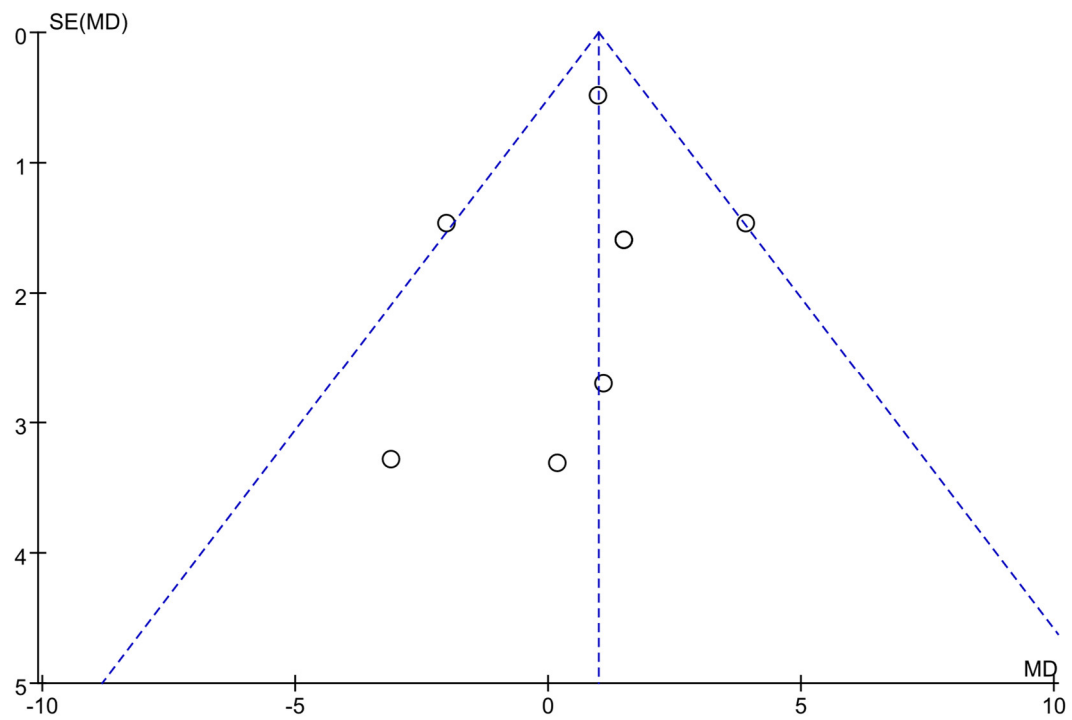
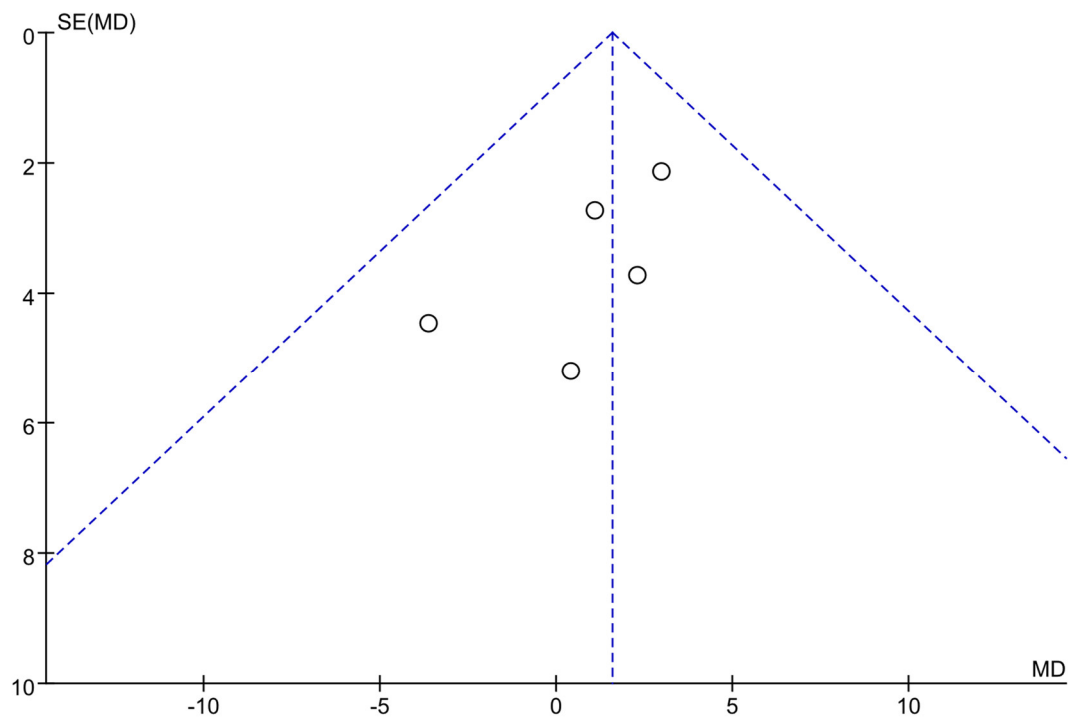


## Supplementary Materials

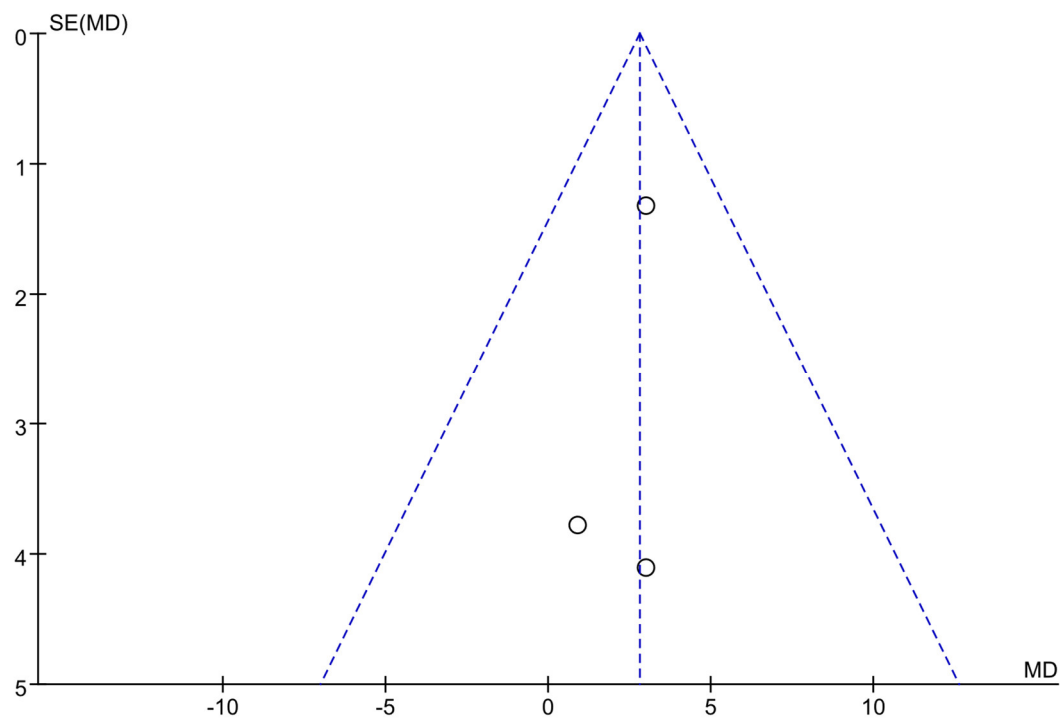
To analyze the reporting bias of each result, funnel plots were created using RevMan 5, as shown in Figures S1–12.



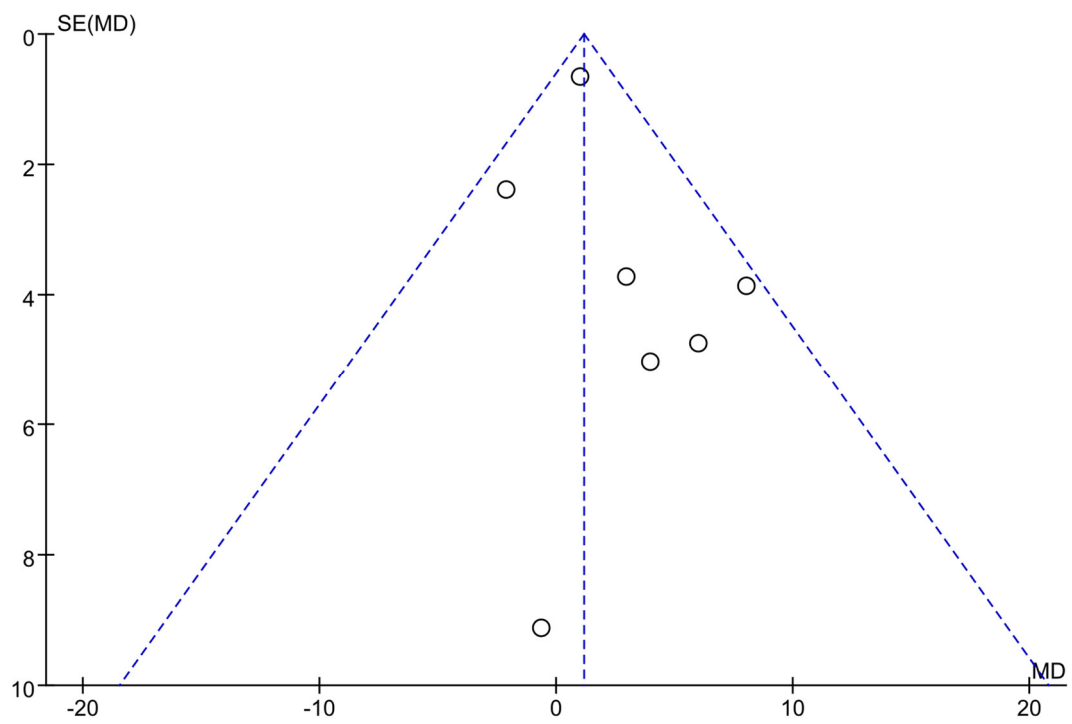
**Figure S1.** Funnel plot of KSXS.



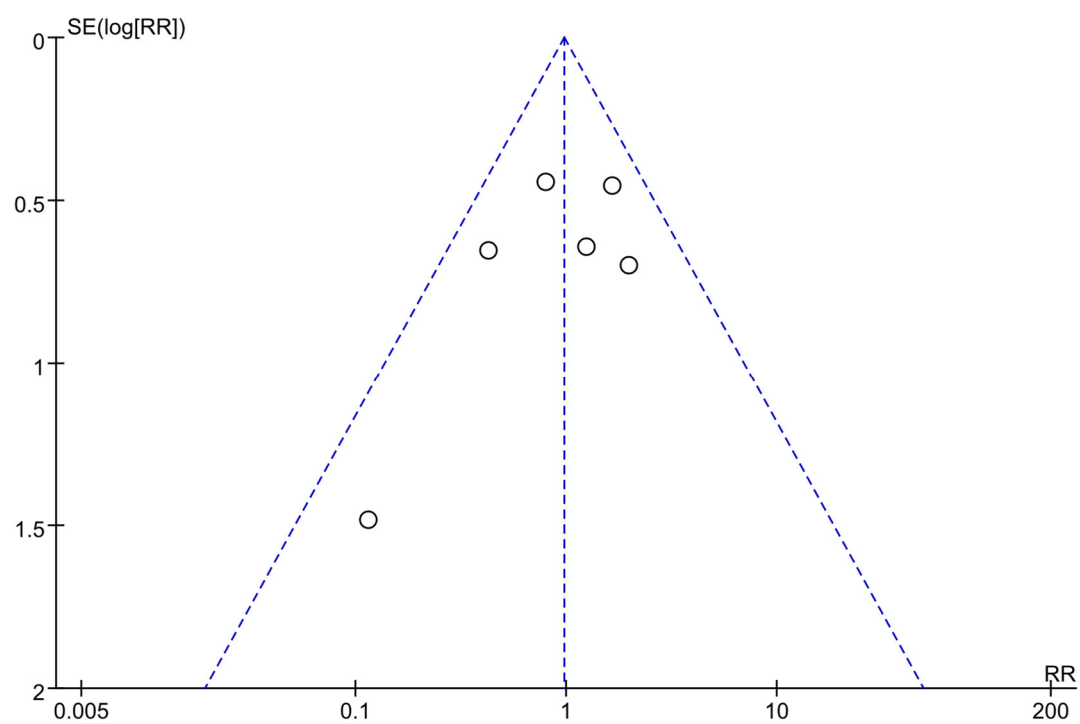
**Figure S2.** Funnel plot of KSFS.



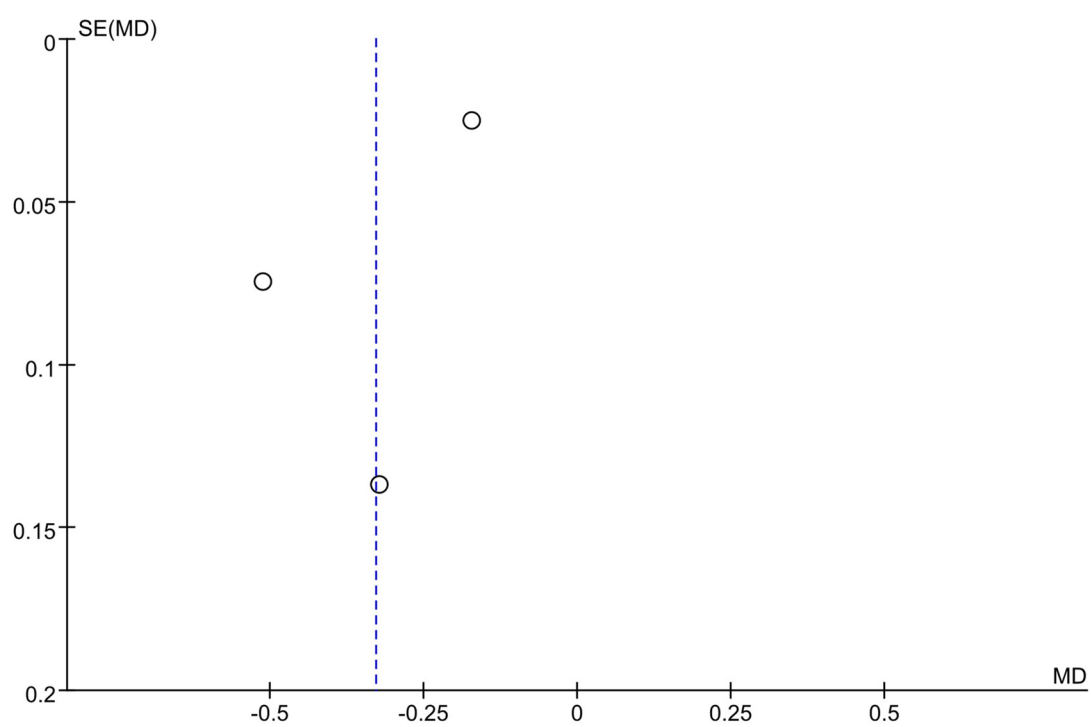
**Figure S3.** Funnel plot of KSS Pain.



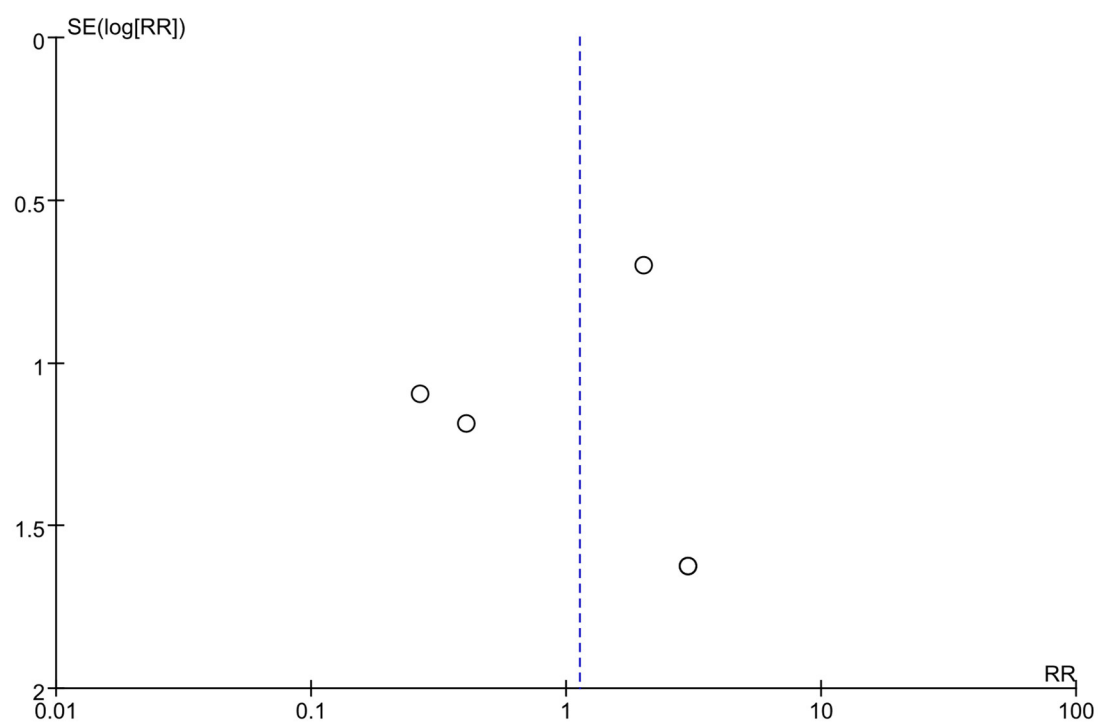
**Figure S4.** Funnel plot of ROM.



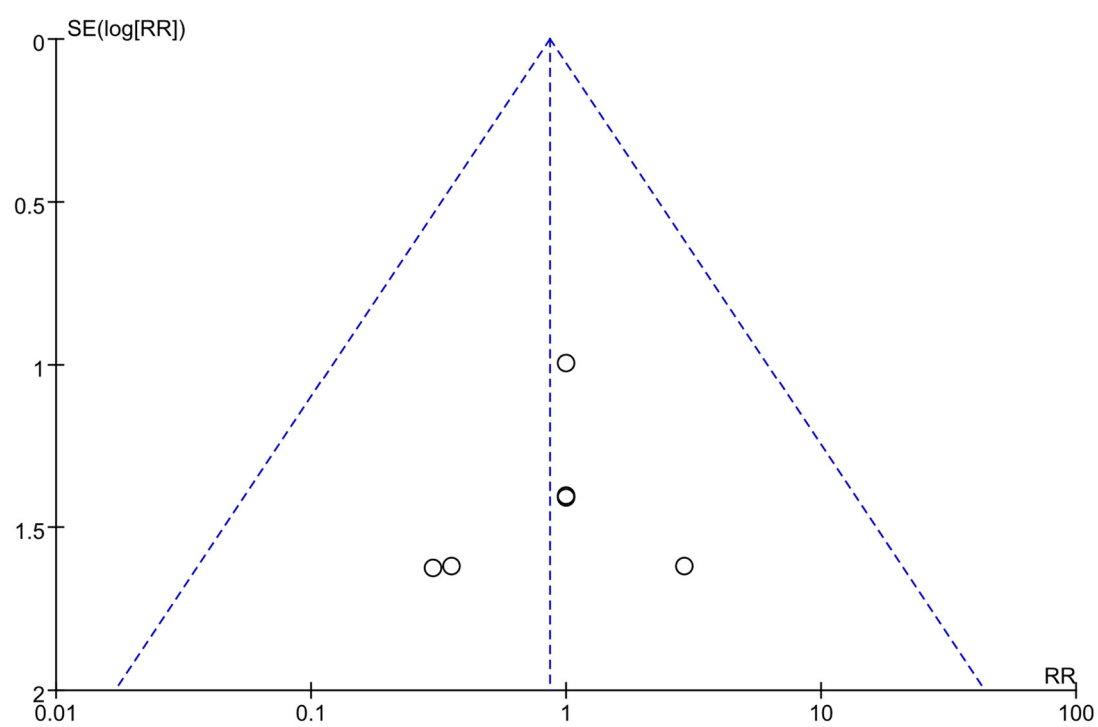
**Figure S5.** Funnel plot of RLL.



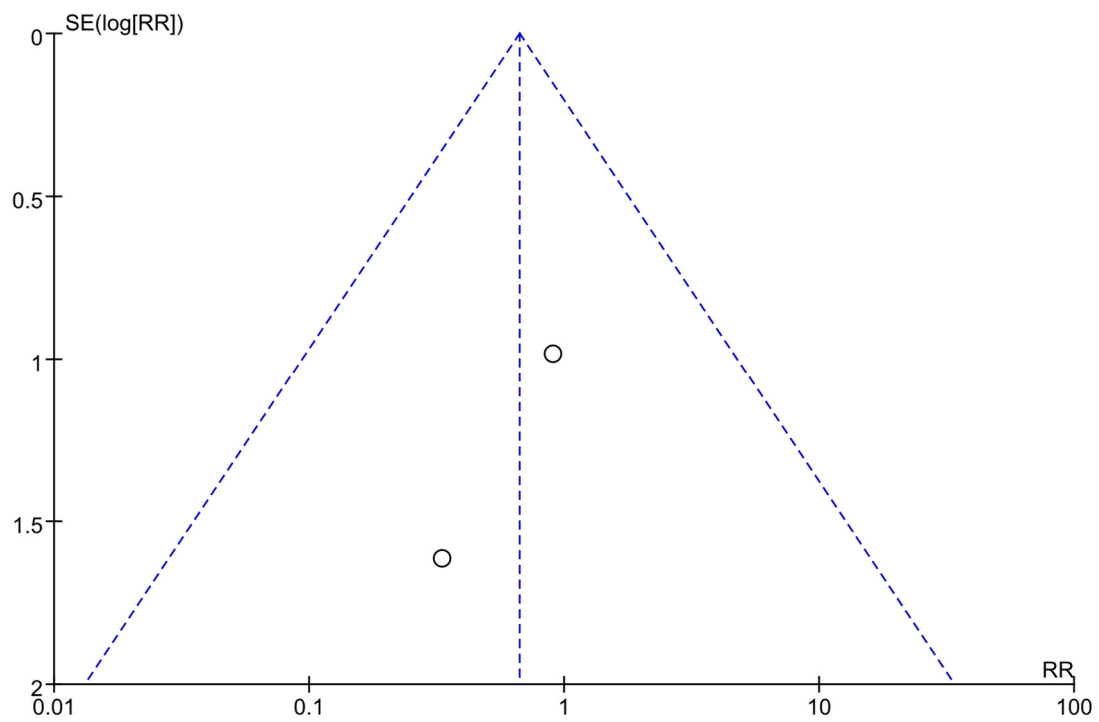
**Figure S6.** Funnel plot of MTPM.



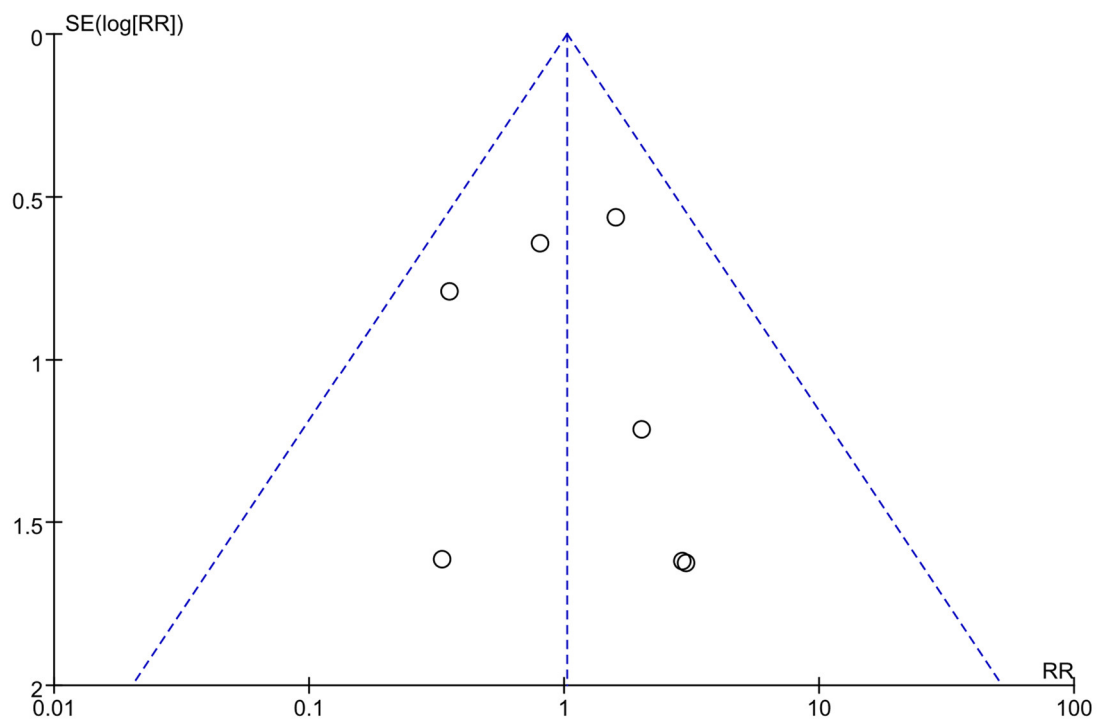
**Figure S7.** Funnel plot of aseptic loosening.



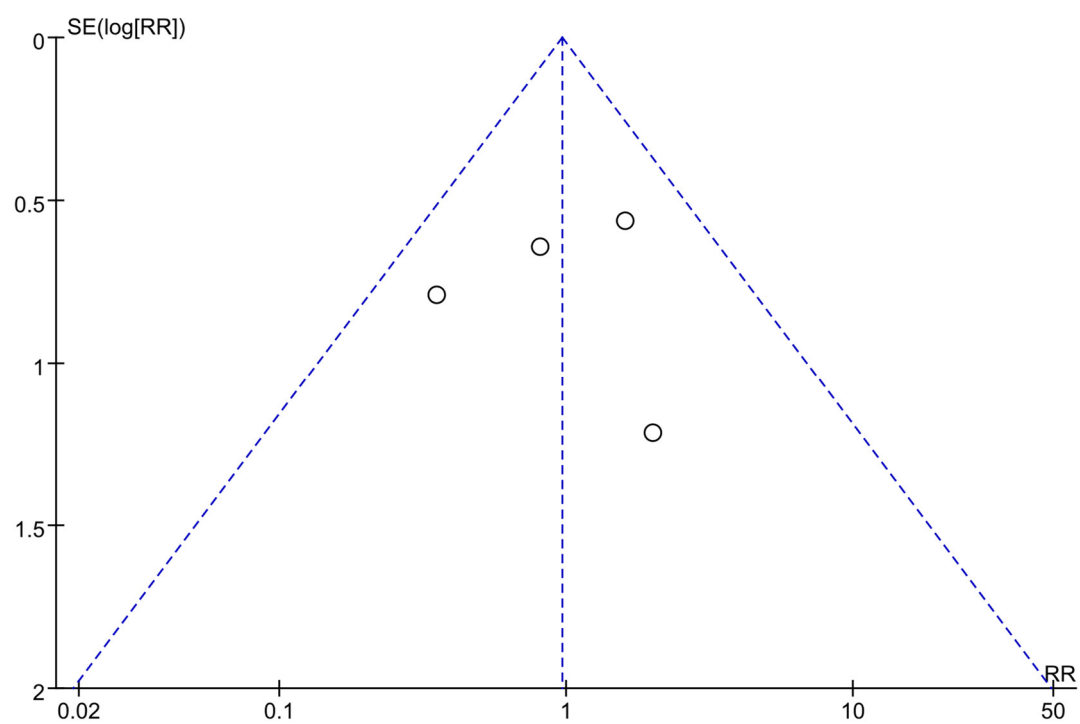
**Figure S8.** Funnel plot of infections.



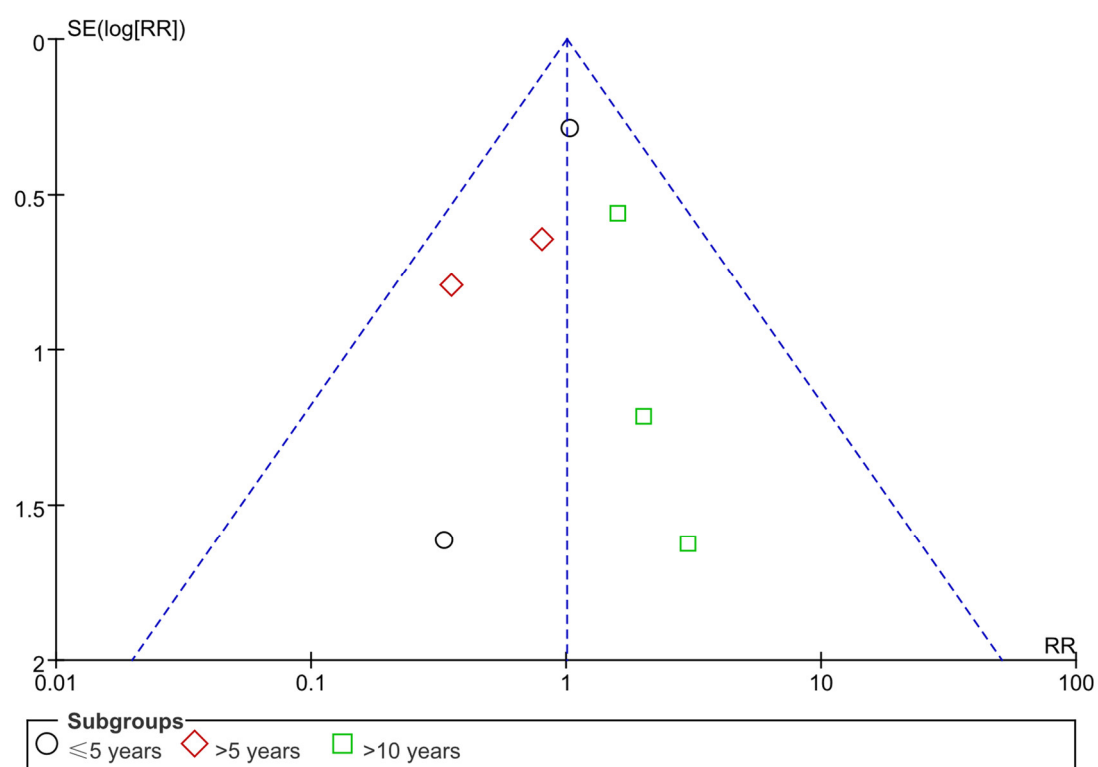
**Figure S9.** Funnel plot of thrombosis.



**Figure S10.** Funnel plot of revisions (without age limit).



**Figure S11.** Funnel plot of revisions in young patients.



**Figure S12.** Funnel plot of revisions by time.