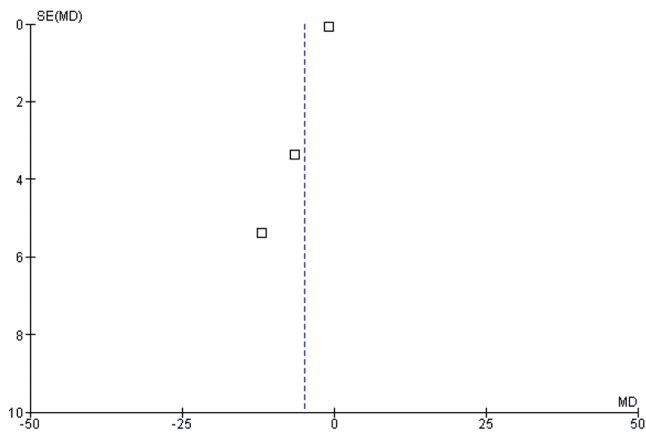
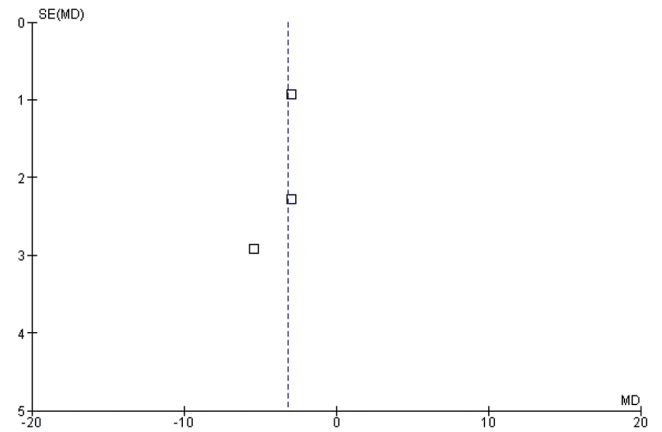


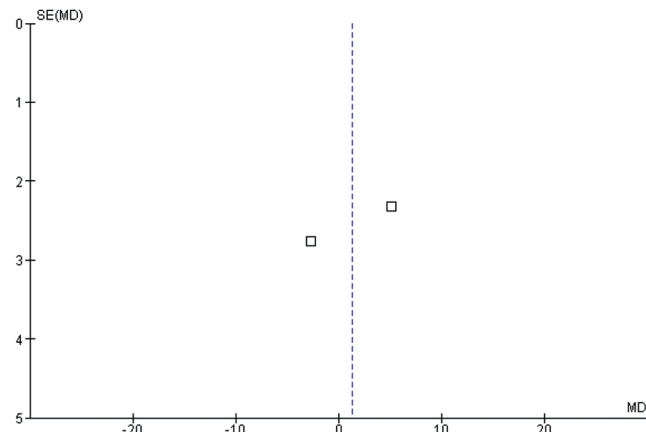
Supplementary data: Funnel plots



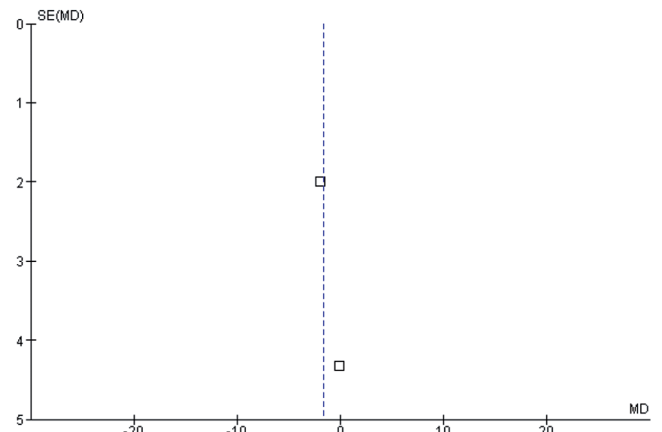
Funnel plot of meta-analysis of SPARCC spine score changes in TNF group compared to the control group after 12 weeks.



Funnel plot of meta-analysis of SPARCC SIJ score changes in TNF group compared to the control group after 12 weeks.



Funnel plot of meta-analysis of ASspiMRI-a changes in TNF group compared to the control group after 2 years of follow-up.



Funnel plot of meta-analysis of ASspiMRI-a changes in TNF group compared to the control group after 12-14 weeks of follow-up.