Supplementary Information

Title: Efficacy and Safety of Zoledronate for Osteopenia and Osteoporosis in Postmenopausal Women: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

Running Title: Zoledronate for Osteopenia and Osteoporosis in Postmenopausal Women

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Figure S1: Flowchart of Enrolled Studies

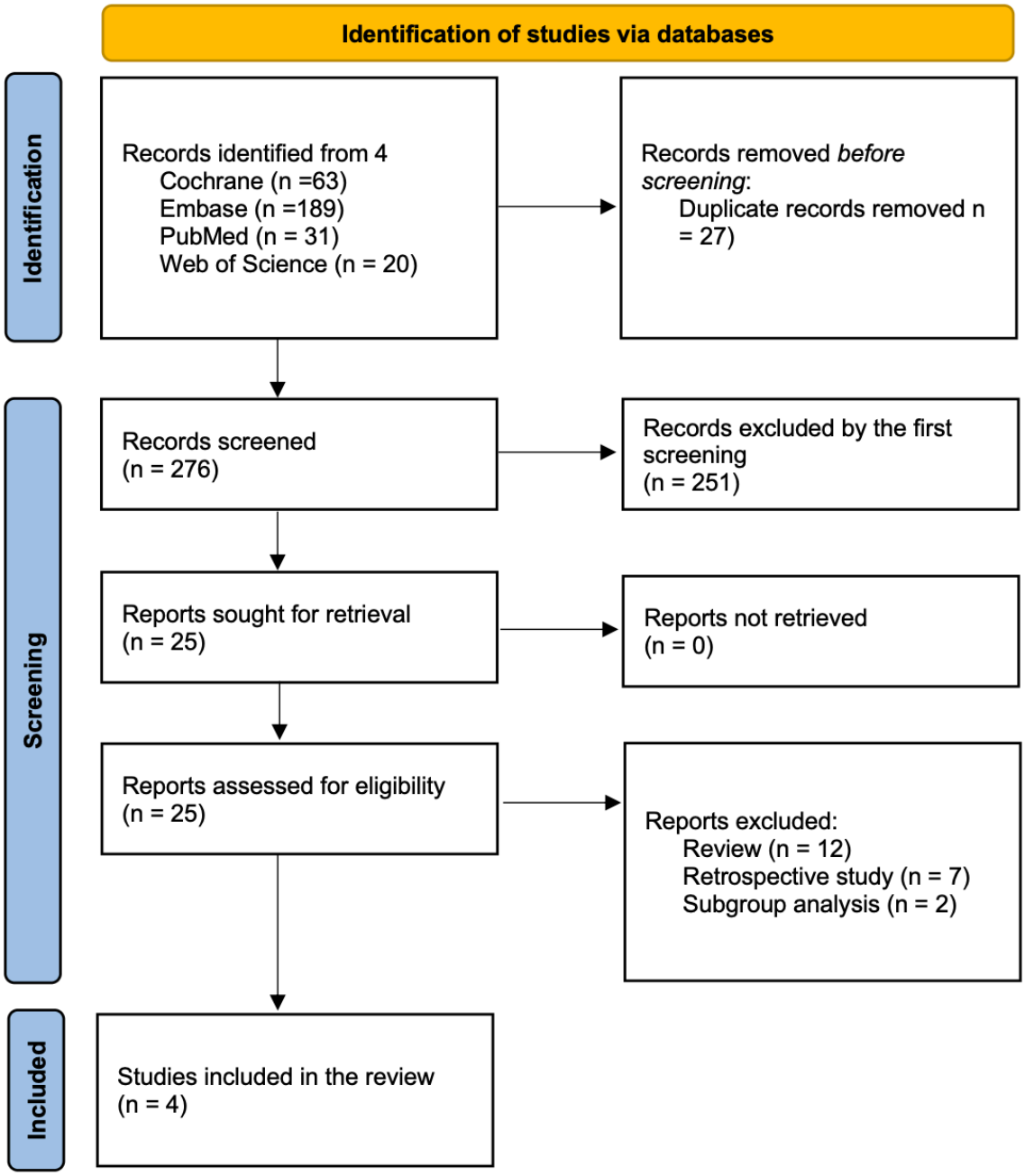


Figure S2: Comparison of Zoledronate vs. Placebo for Vertebral Fracture Prevention

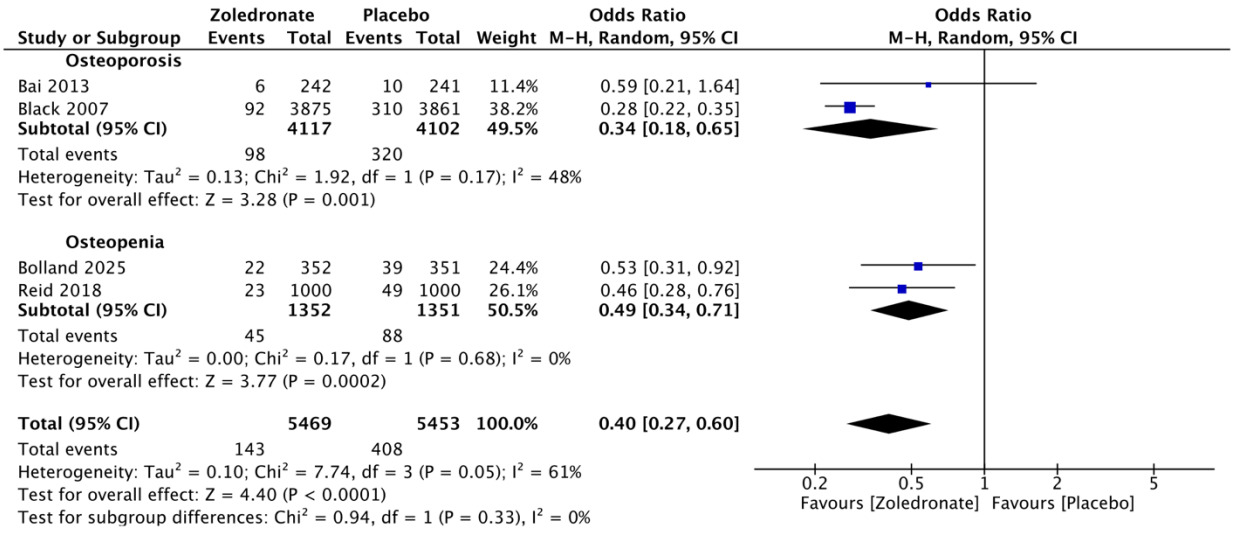


Figure S3: Sensitivity Analysis of Any Adverse Events

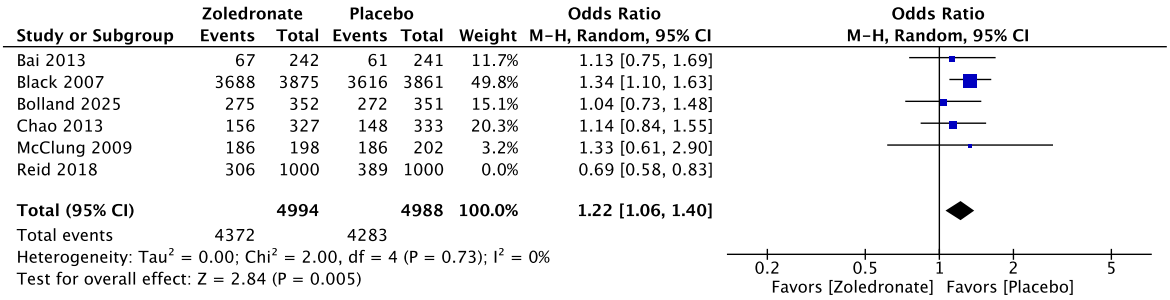


Figure S4: Sensitivity Analysis of Serious Adverse Events

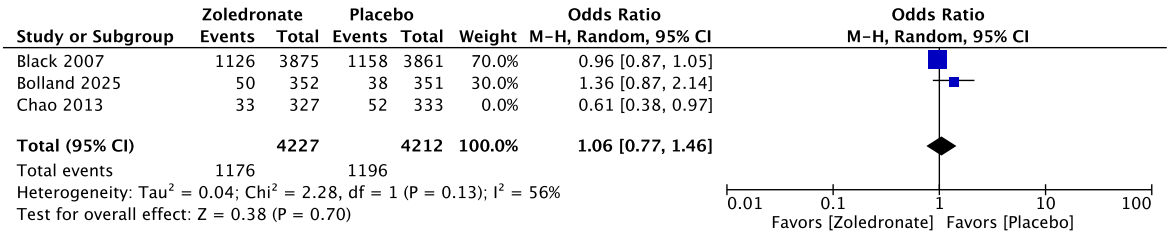


Figure S5: Subgroup Analysis by Treatment Duration for Fracture Prevention

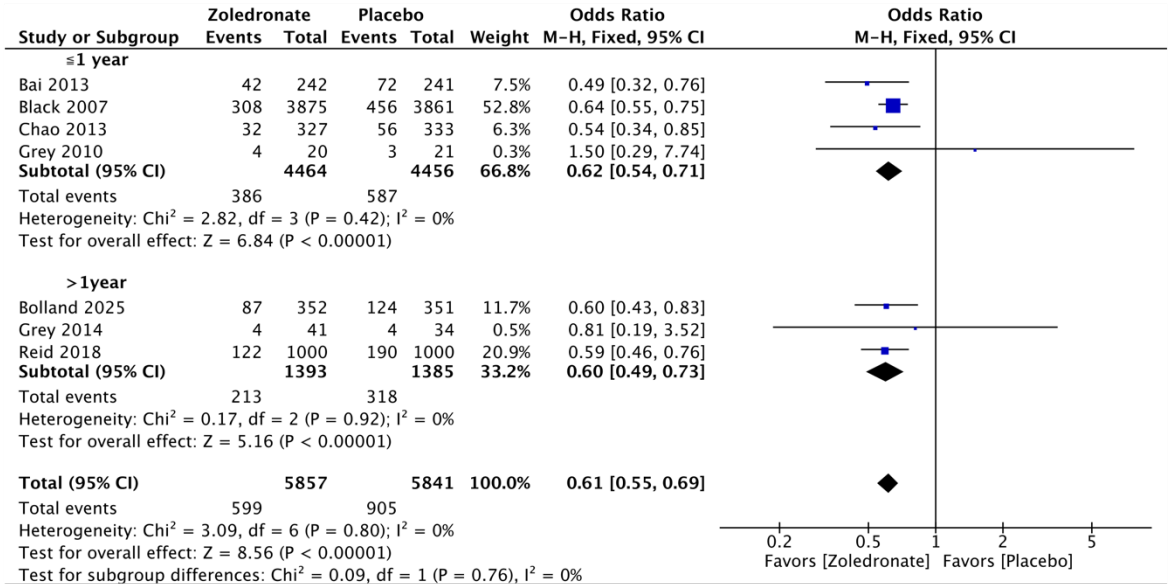


Figure S6: Subgroup Analysis by Treatment Duration for Lumbar Spine BMD

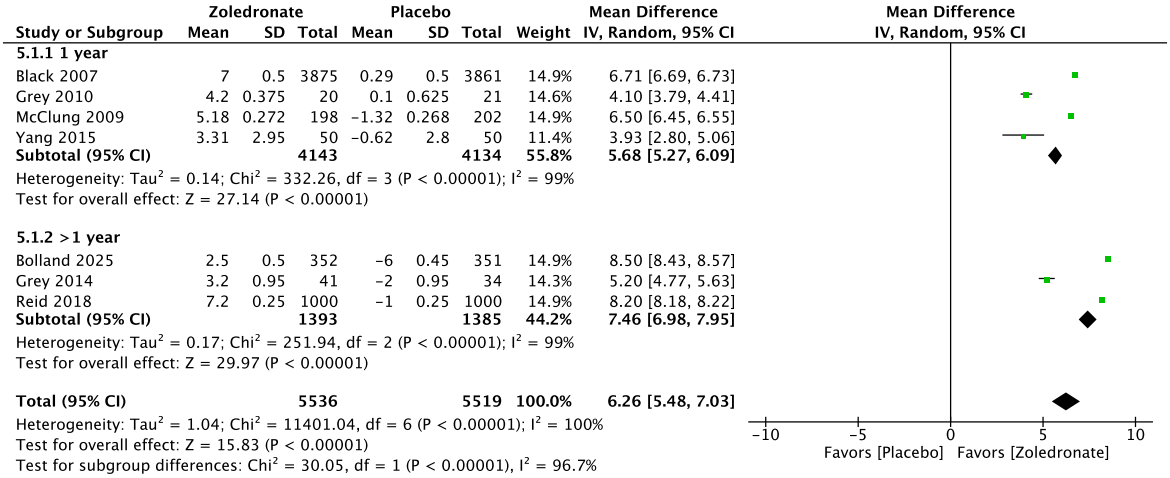


Figure S7: Subgroup Analysis by Treatment Duration for Total Hip BMD

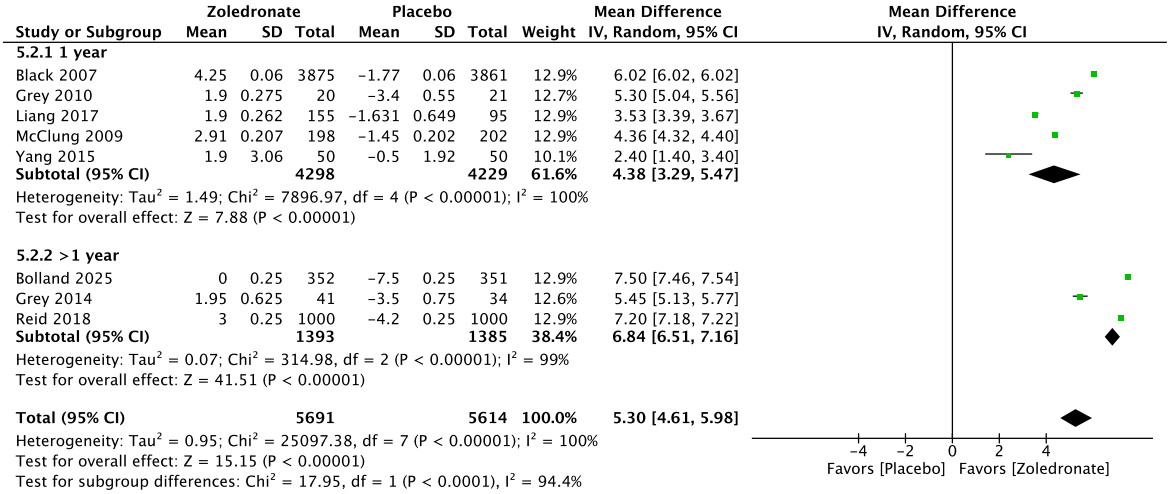
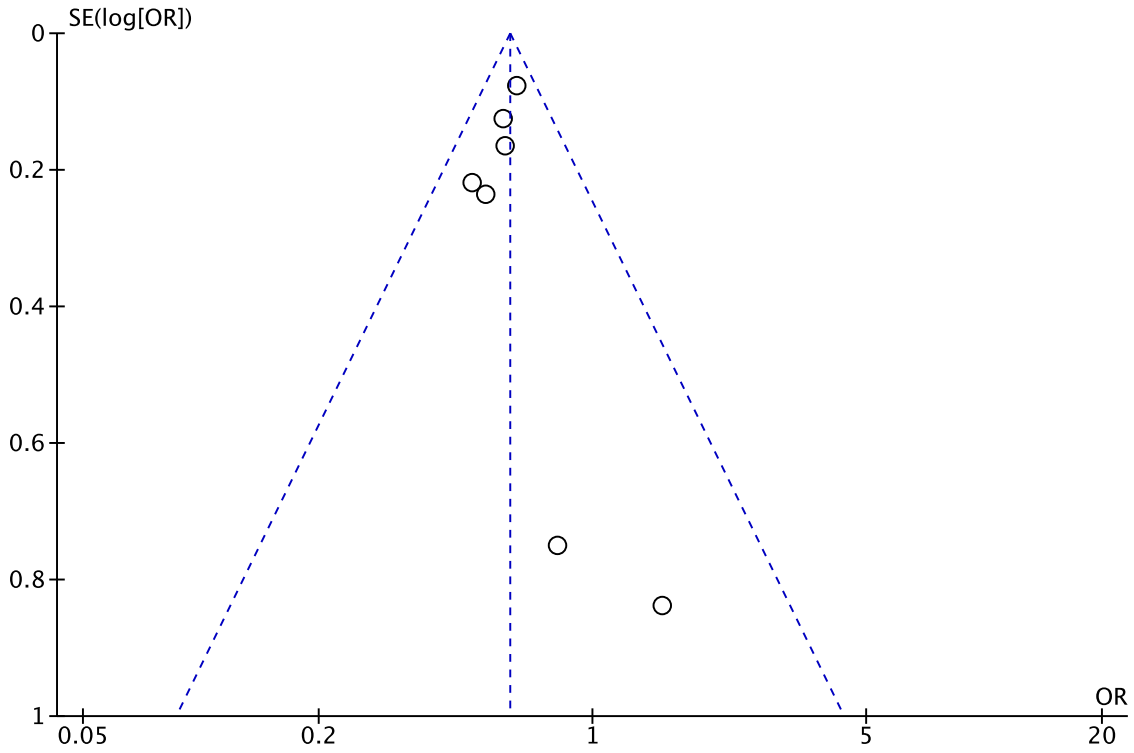
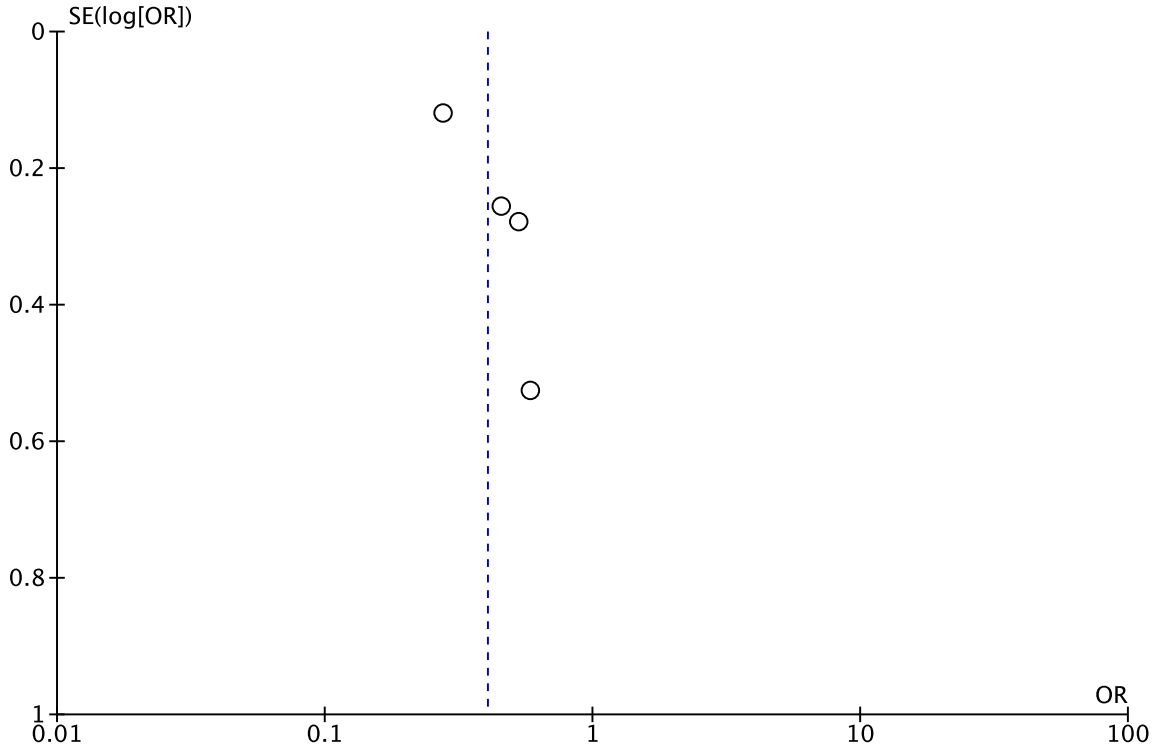


Figure S8: Publication Bias in Any Fracture Prevention



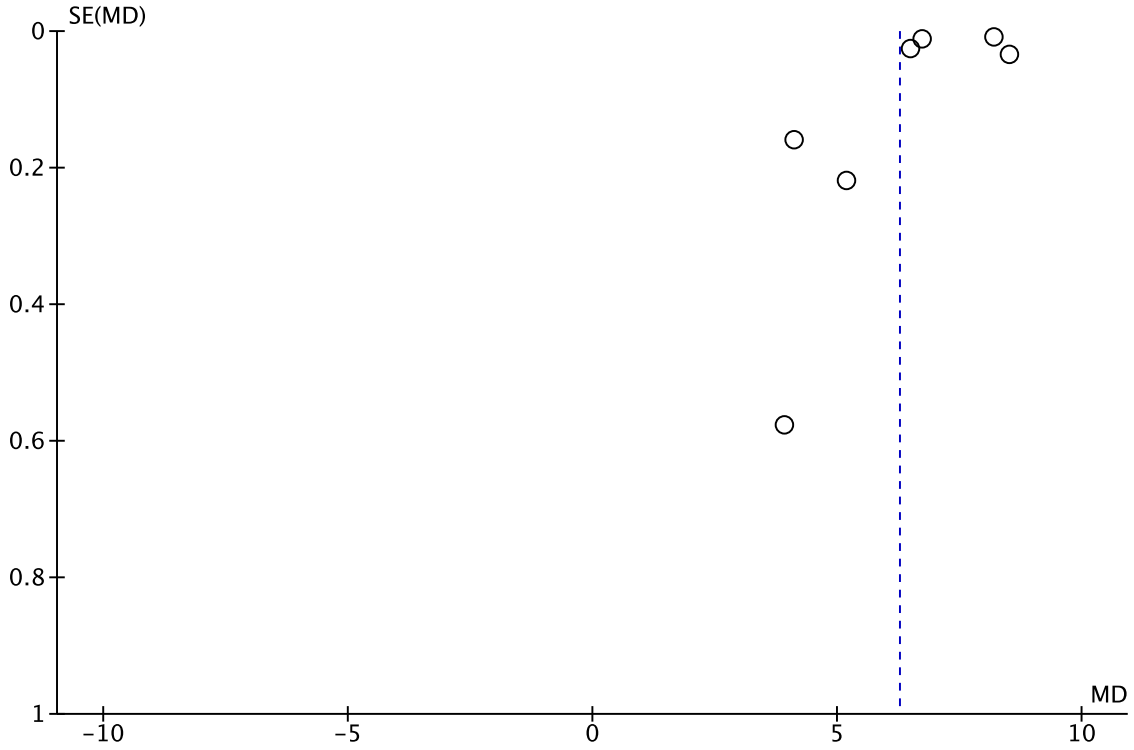
Egger's test did not reach statistical significance (p = 0.06), although a trend toward asymmetry was observed.

Figure S9: Publication Bias in Vertebral Fracture Prevention



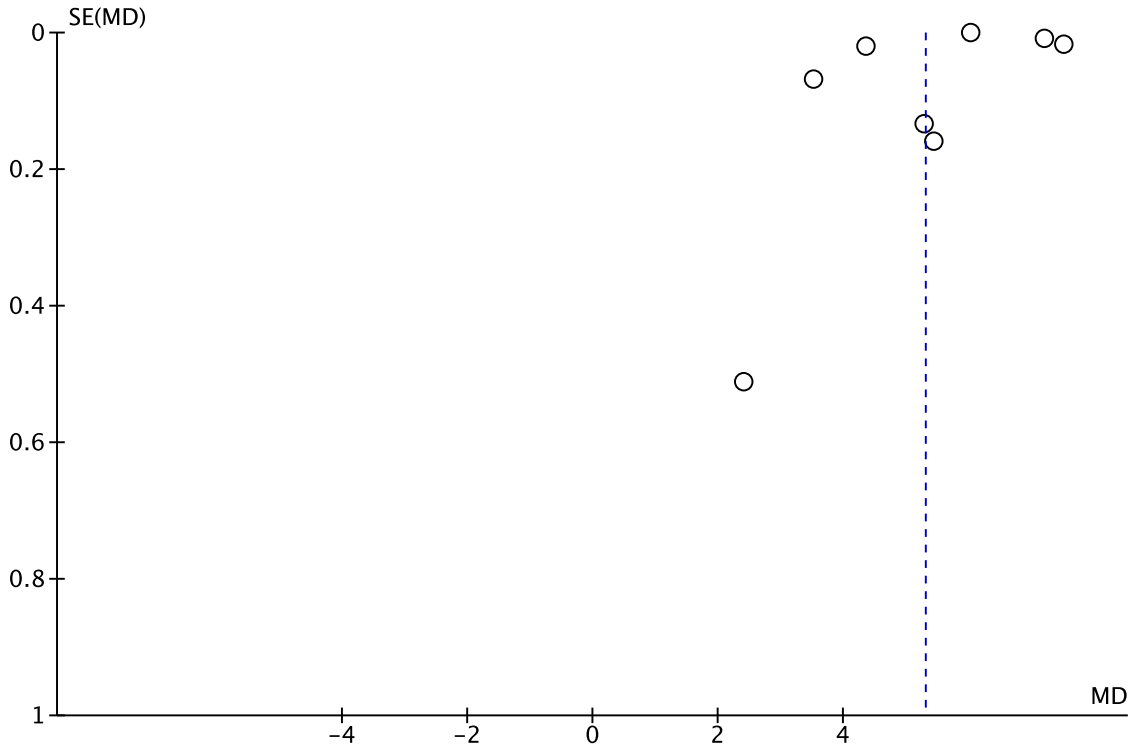
Egger's test indicated no evidence of publication bias (p = 0.26).

Figure S10: Publication Bias in Lumbar Spine BMD



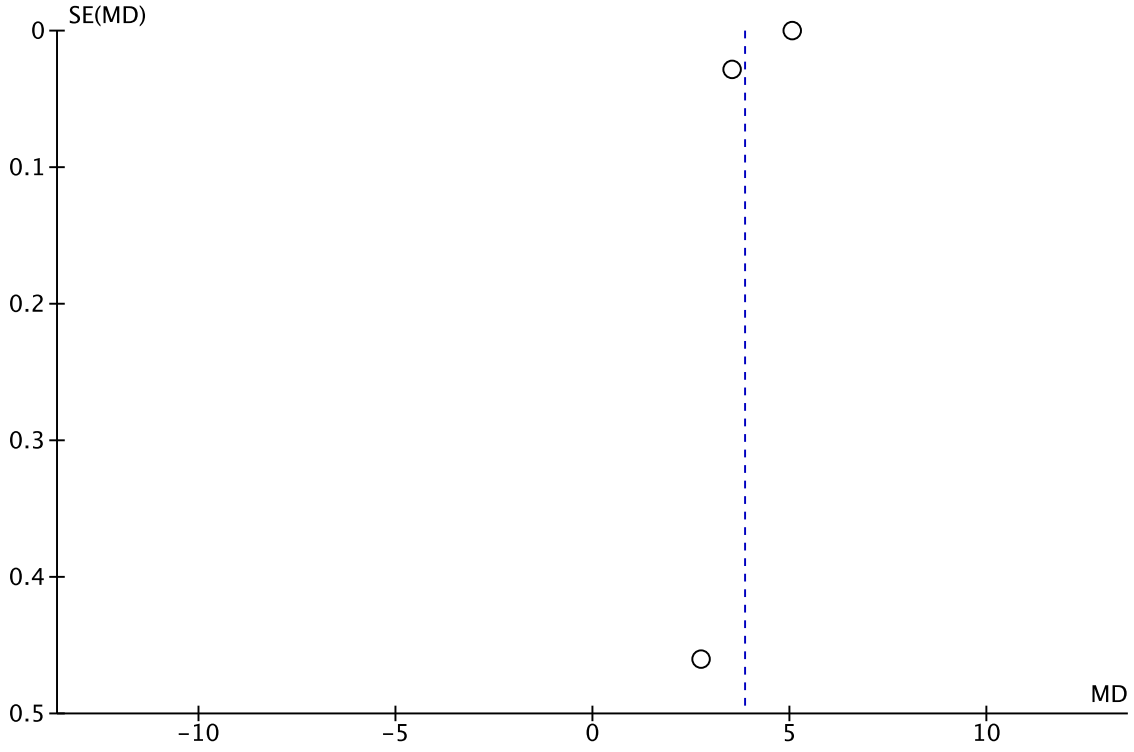
Egger's test revealed significant evidence of publication bias ($p < 0.01$)

Figure S11: Publication Bias in Total Hip BMD



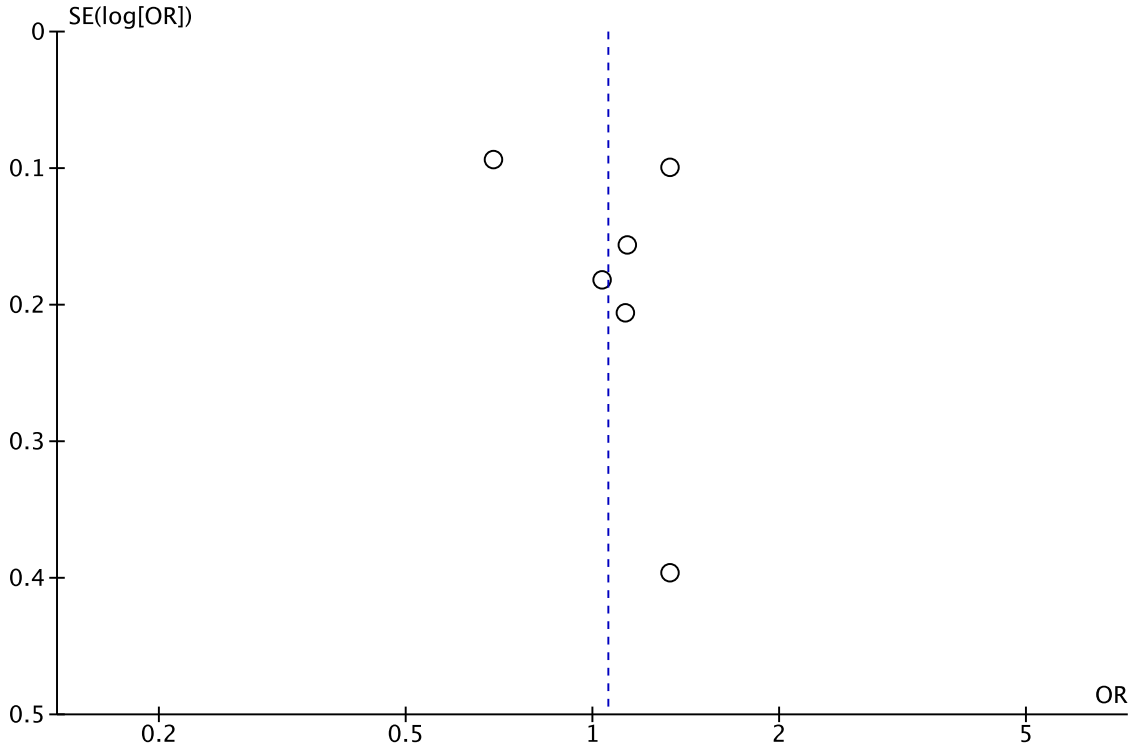
Egger's test did not reach statistical significance (p = 0.12)

Figure S12: Publication Bias in Femoral Head BMD



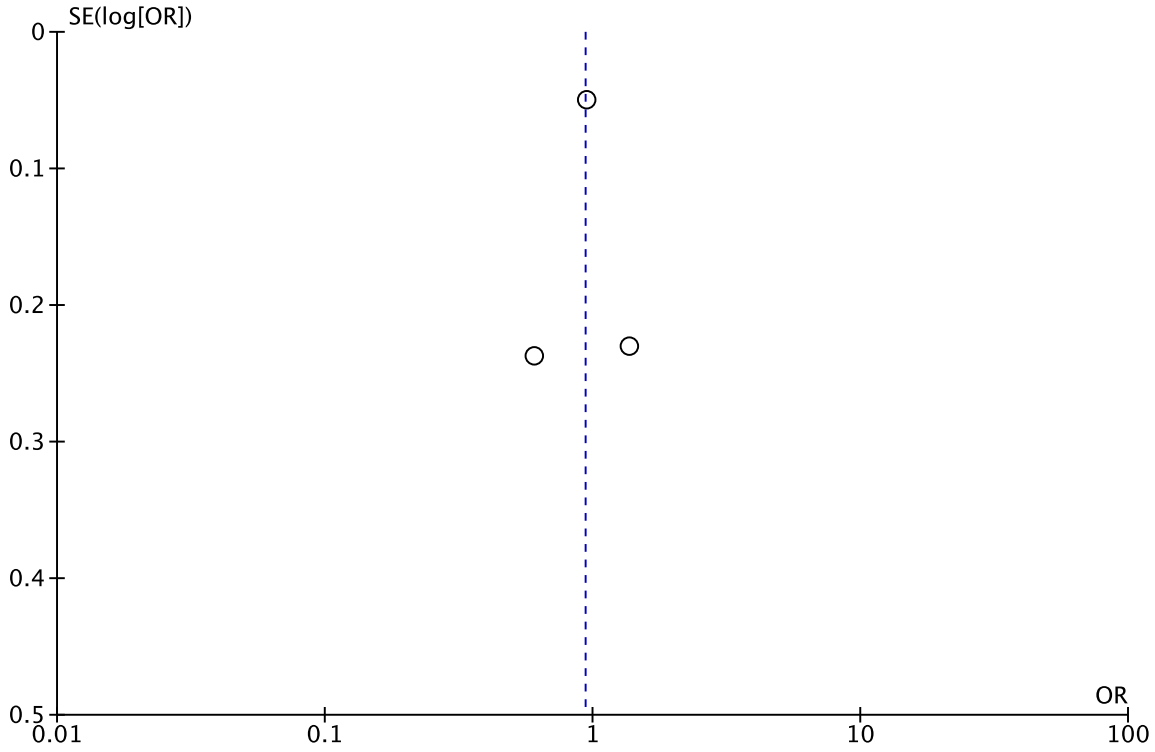
Egger's test did not reach statistical significance (p = 0.36)

Figure S13: Publication Bias in Any Adverse Events



Egger's test did not reach statistical significance (p = 0.19)

Figure S14: Publication Bias in Serious Adverse Events



Egger's test did not reach statistical significance (p = 0.87)

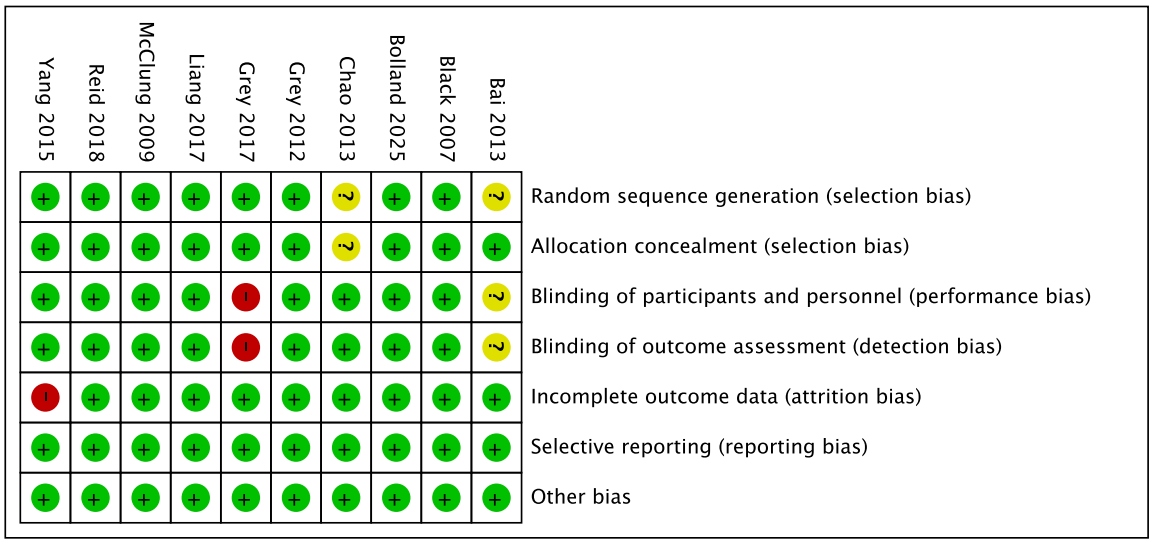



Figure S15: Risk of Bias