Type of article: Original research

Title: Biomarkers Identifying the Effectiveness of Biologic Agents in Moderate to Severe Asthma: A Systematic Review and Meta-Analysis

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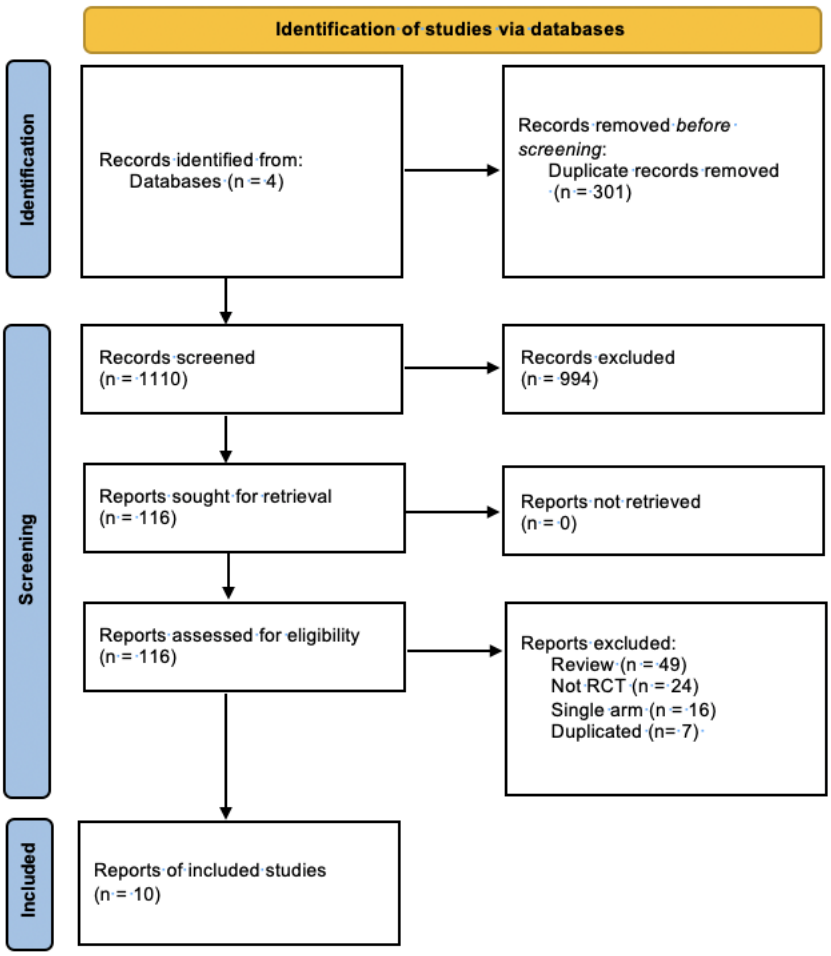
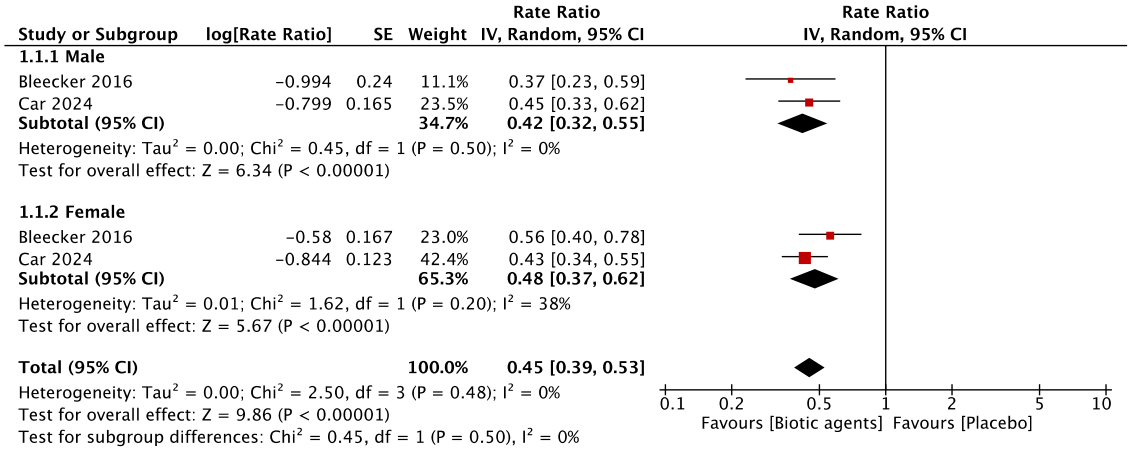
Supplementary Materials

Sup. Figure 1 Flowchart of the meta-analysis



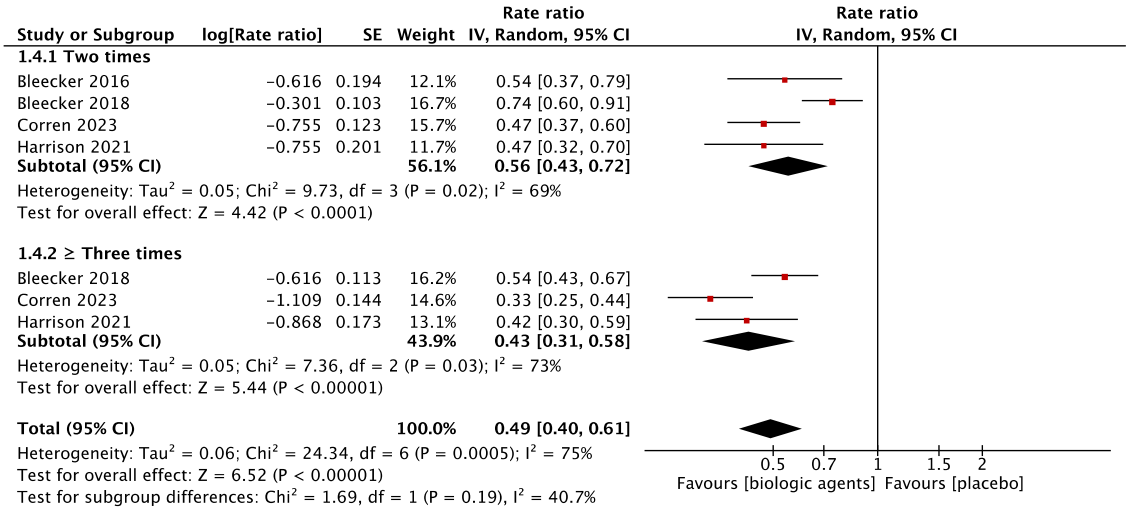
RCT: randomized controlled trial

Sup. Figure 2 Effect of biologic agents in different genders



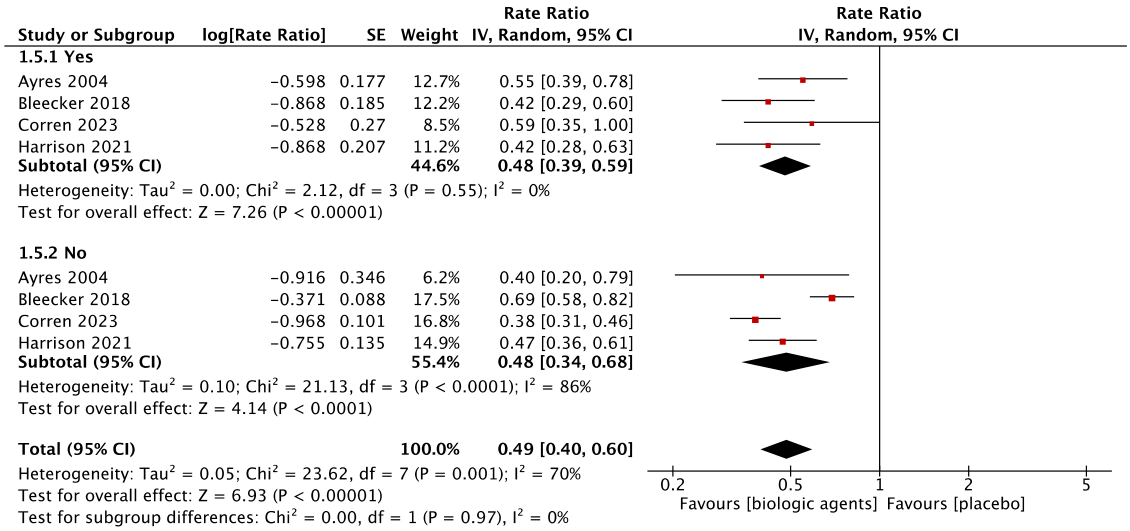
SE: standard error; IV: inverse variance; CI: confidence interval

Sup. Figure 3 Effect of biologic agents in different numbers of exacerbations in previous year



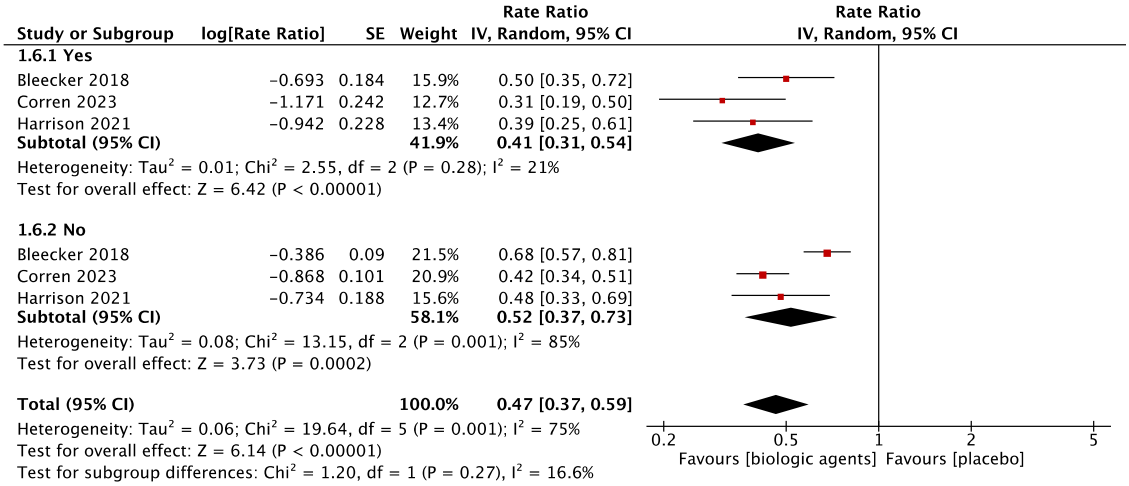
SE: standard error; IV: inverse variance; CI: confidence interval

Sup. Figure 4 Effect of biologic agents according to the status of oral corticosteroid use



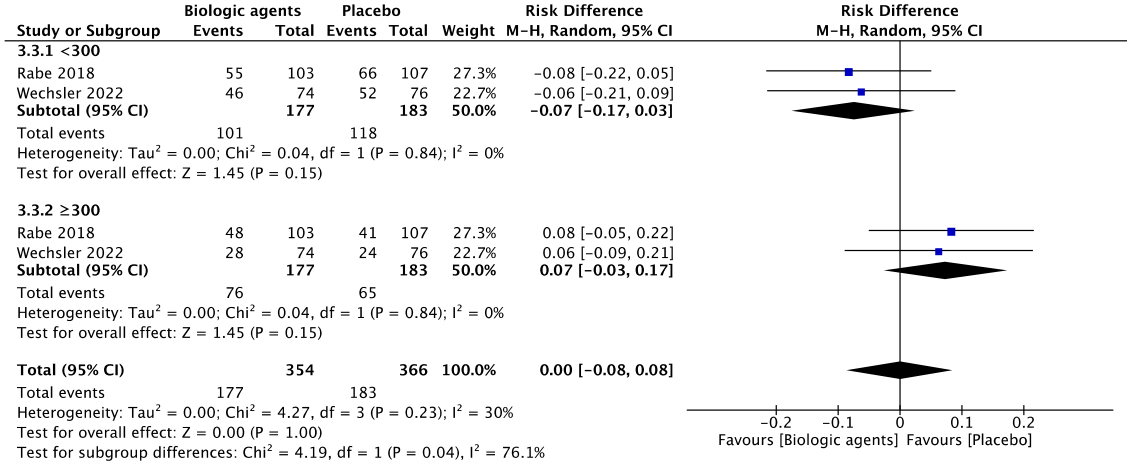
SE: standard error; IV: inverse variance; CI: confidence interval

Sup. Figure 5 Effect of biologic agents according to the status of nasal polyp



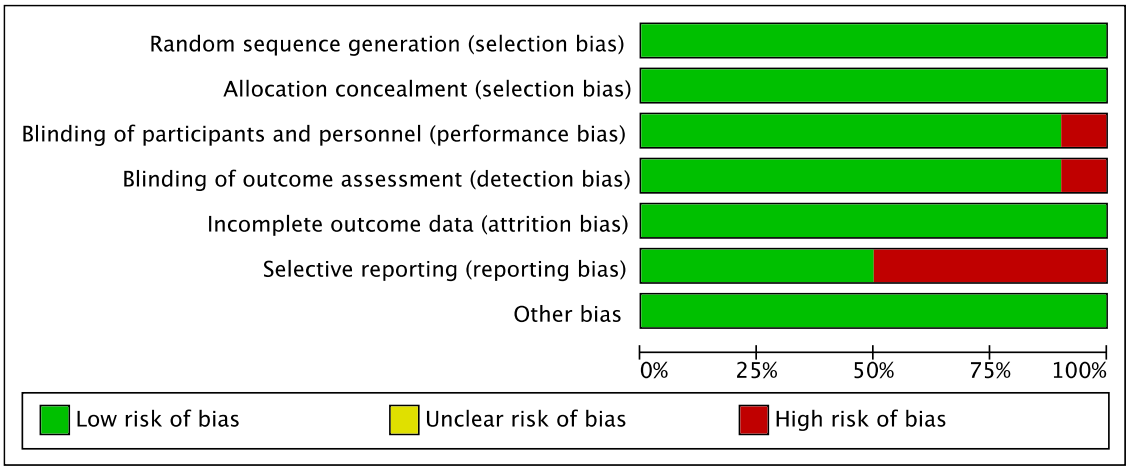
SE: standard error; IV: inverse variance; CI: confidence interval

Sup. Figure 6 Effect of biologic agents in reducing oral corticosteroids by blood eosinophil levels

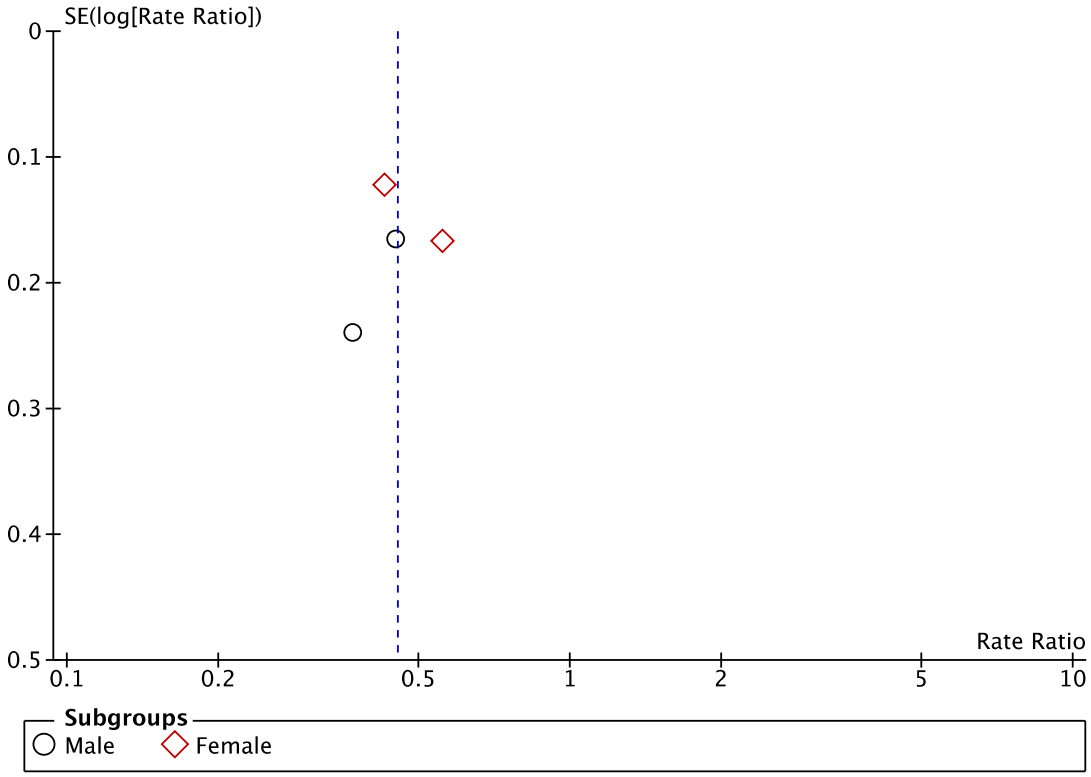


SE: standard error; M-H: inverse variance; CI: confidence interval

Sup. Figure 7 Risk of bias of enrolled studies.

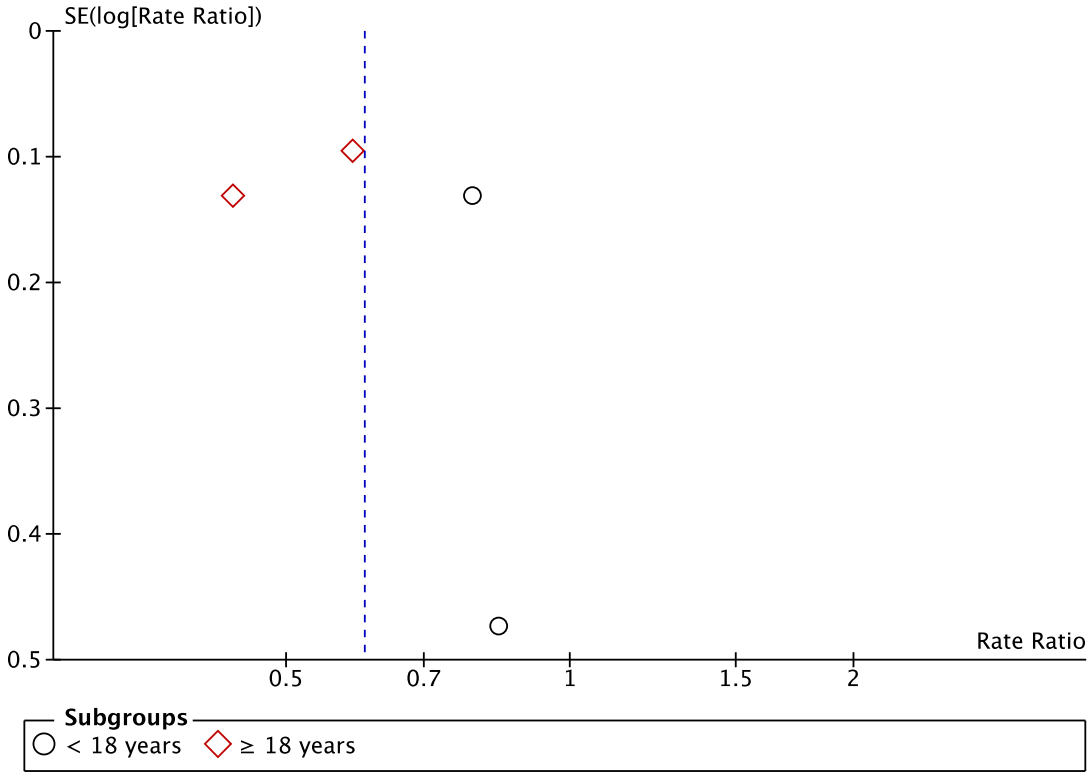


Sup. Figure 8 Publication bias of gender



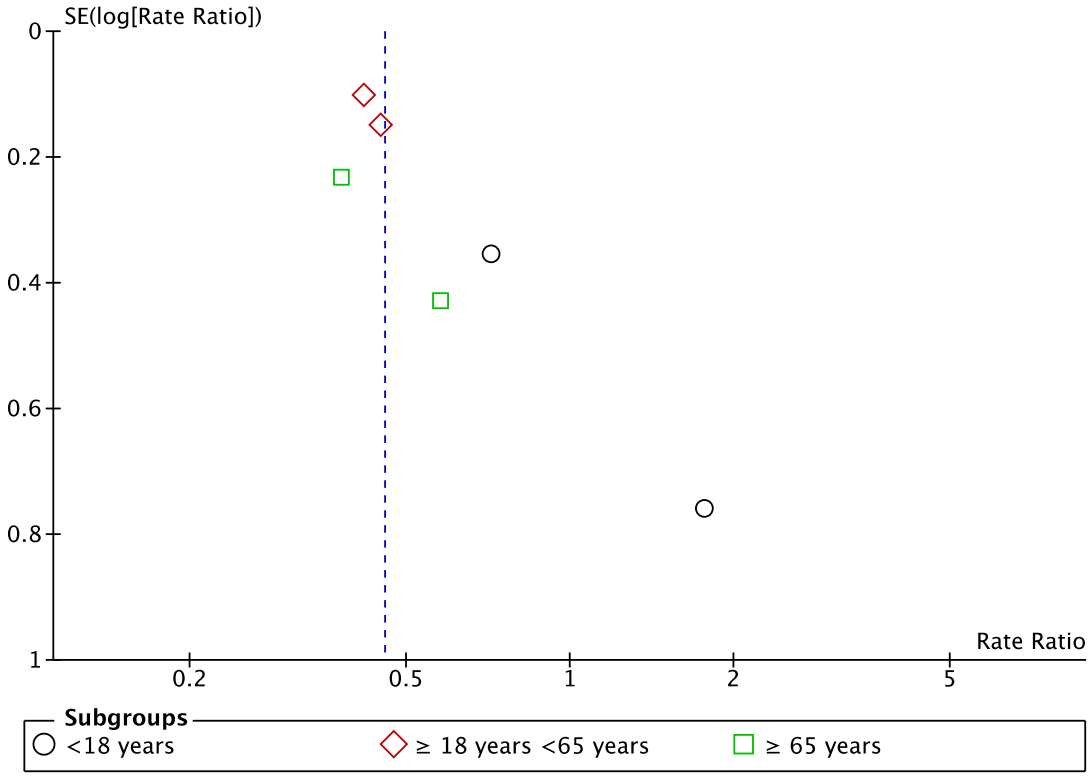
SE: standard error

Sup. Figure 9 Publication bias of age onset



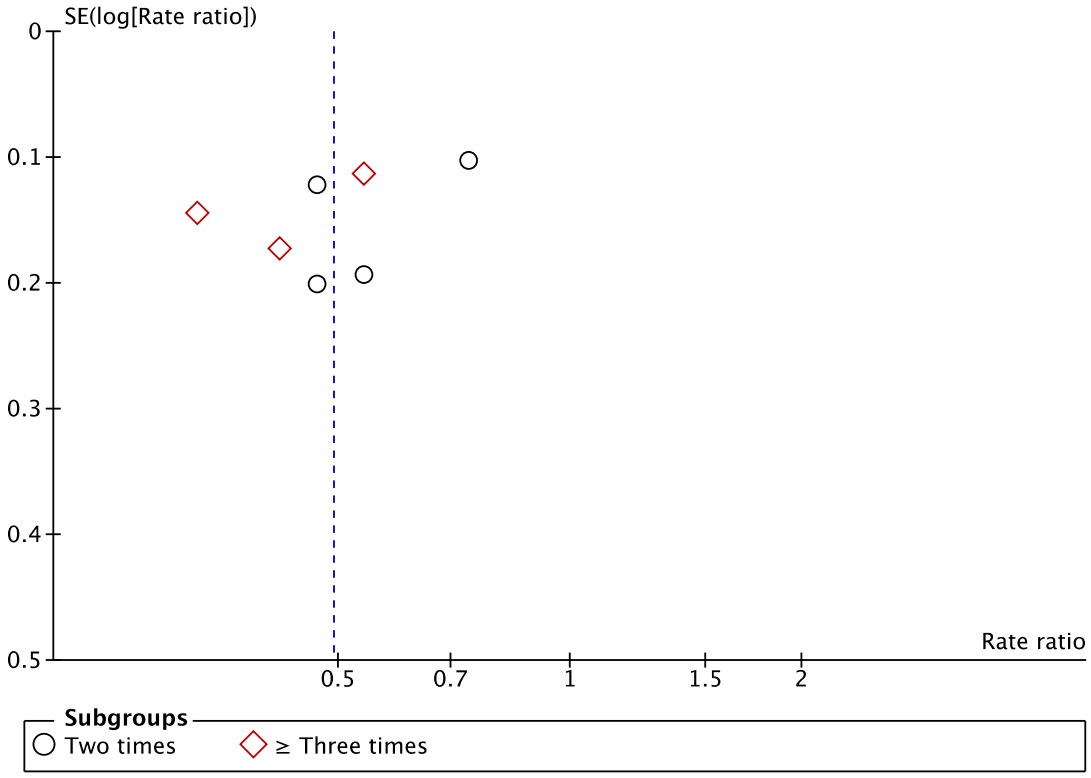
SE: standard error

Sup. Figure 10 Publication bias of age treated



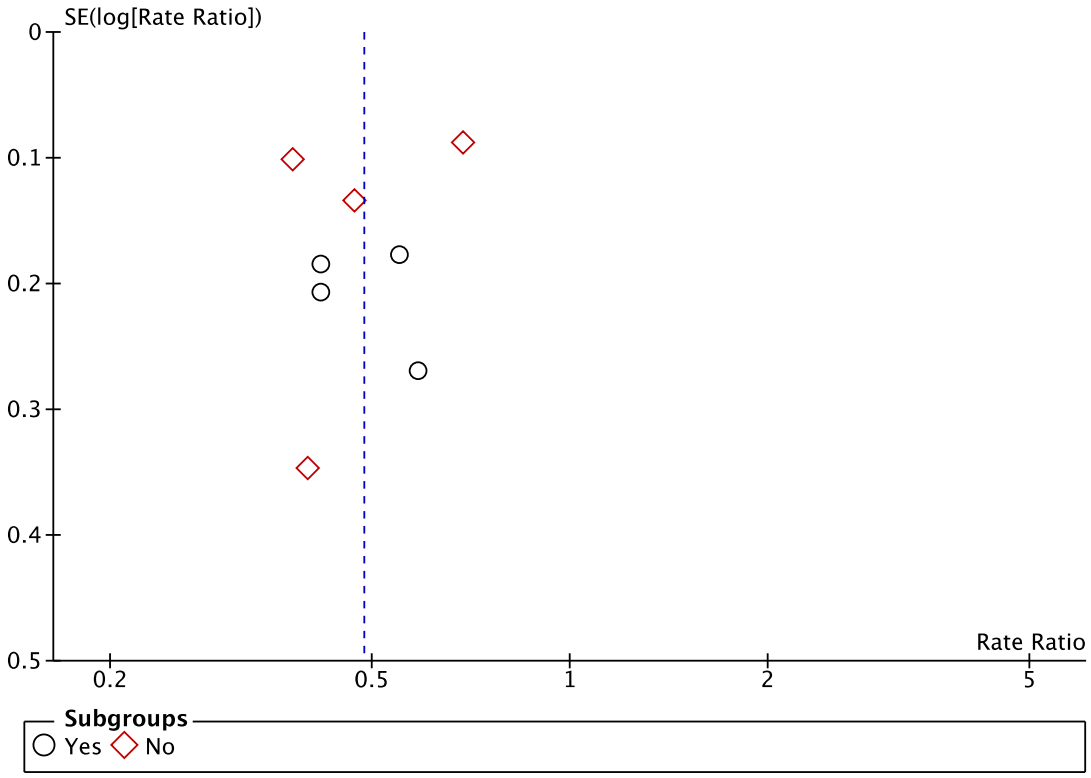
SE: standard error

Sup. Figure 11 Publication bias of the number of exacerbations in the previous year



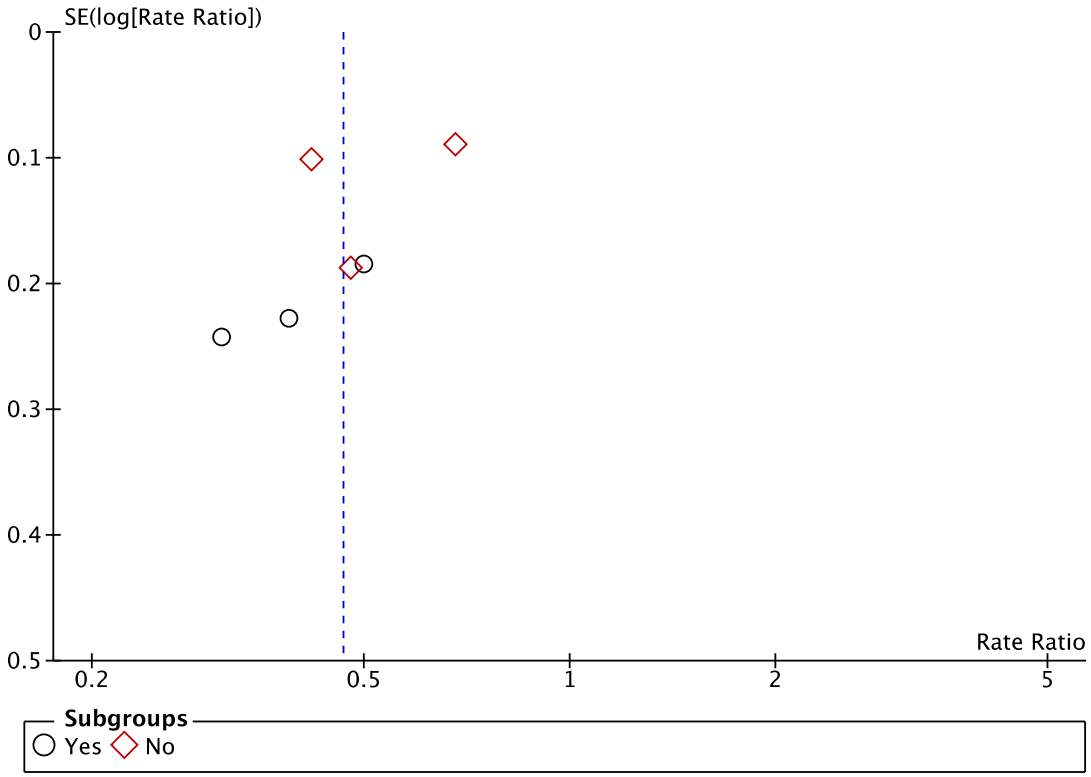
SE: standard error

Sup. Figure 12 Publication bias of oral corticosteroid status



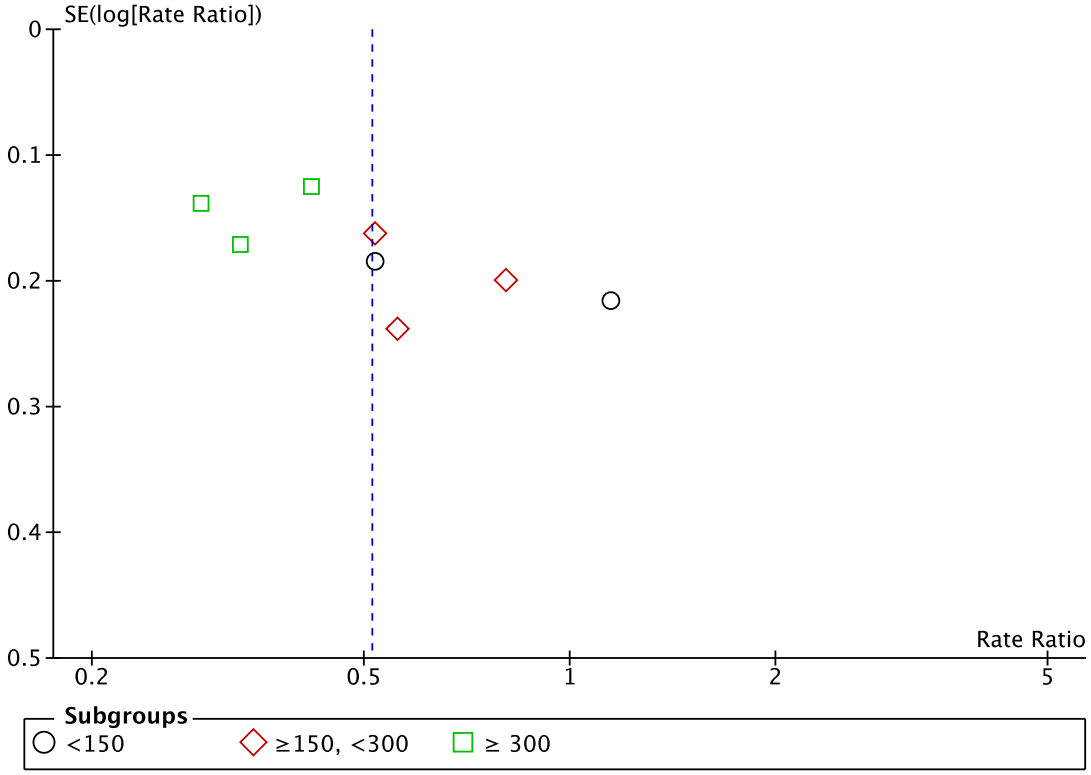
SE: standard error

Sup. Figure 13 Publication bias of nasal polyp status



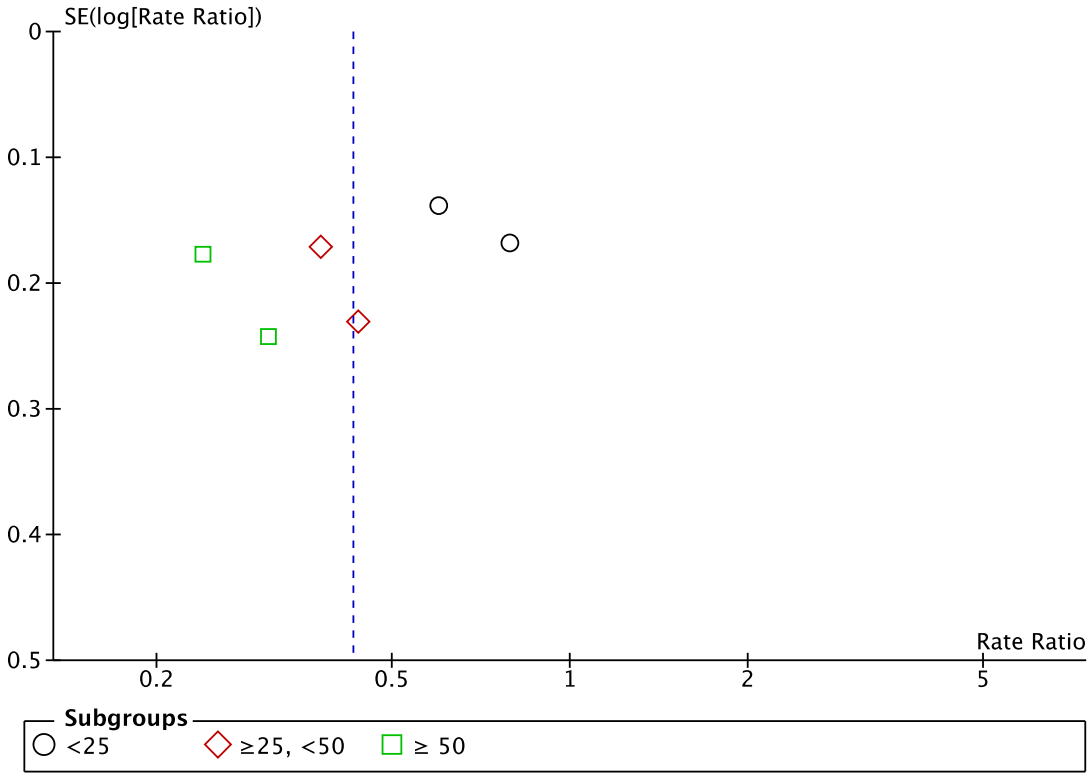
SE: standard error

Sup. Figure 14 Publication bias of blood eosinophils levels



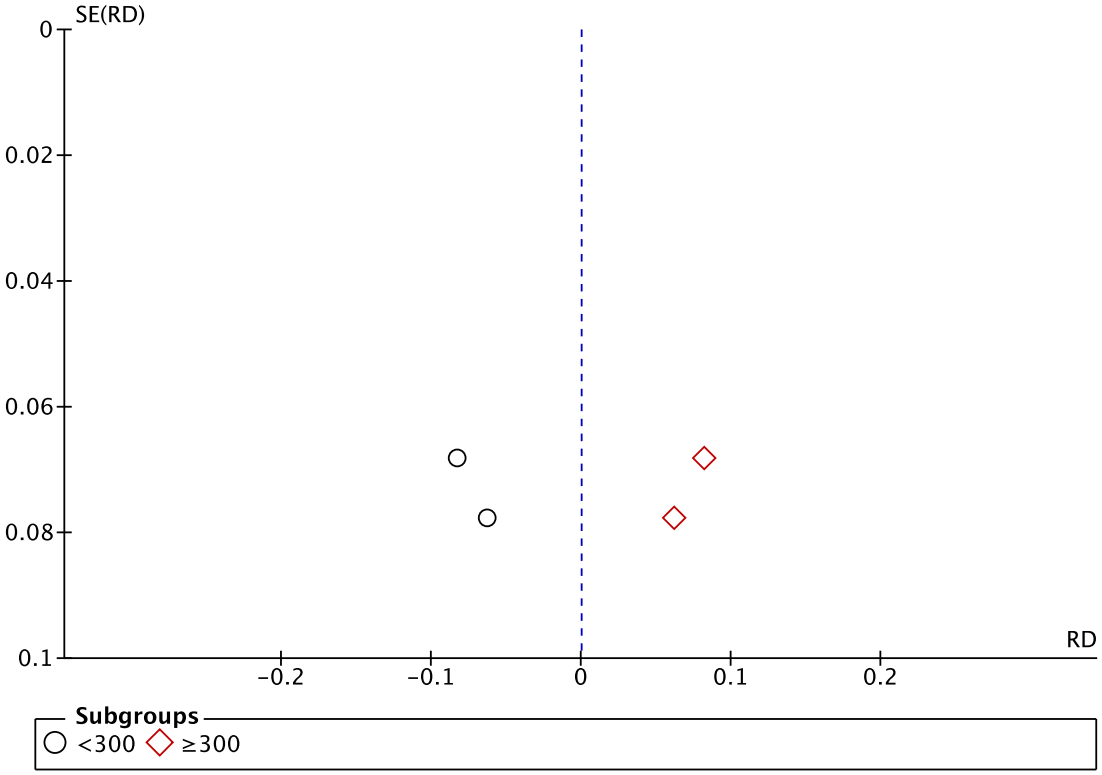
SE: standard error

Sup. Figure 15 Publication bias of FeNo levels



SE: standard error

Sup. Figure 16 Publication bias of blood eosinophils level in oral corticosteroid reduction



SE: standard error; RD: risk difference