Supplemenatary Information

Systemic Corticosteroids for Severe Community-Acquired Pneumonia: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

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Table S1. Detailed search strategies and results for each database

Database	Search strategy	Result
PubMed	("Pneumonia, Community-Acquired"[Mesh] OR "community-acquired pneumonia"[tiab] OR "community acquired pneumonia"[tiab] OR CAP[tiab]) AND ("Glucocorticoids"[Mesh] OR "Adrenal Cortex Hormones"[Mesh] OR glucocorticoid*[tiab] OR corticosteroid*[tiab] OR hydrocortisone[tiab] OR methylprednisolone[tiab] OR dexamethasone[tiab]) AND ("Randomized Controlled Trial"[Publication Type] OR randomized[tiab] OR randomised[tiab] OR placebo[tiab])	183
Cochrane Library (CENTRAL)	(MeSH descriptor: [Pneumonia, Community-Acquired] explode all trees OR "community-acquired pneumonia":ti,ab,kw OR "community acquired pneumonia":ti,ab,kw OR CAP:ti,ab,kw) AND (MeSH descriptor: [Glucocorticoids] explode all trees OR glucocorticoid*:ti,ab,kw OR corticosteroid*:ti,ab,kw OR hydrocortisone:ti,ab,kw OR methylprednisolone:ti,ab,kw OR dexamethasone:ti,ab,kw) AND (randomized:ti,ab,kw OR randomised:ti,ab,kw OR placebo:ti,ab,kw)	100
Embase	('community acquired pneumonia'/exp OR 'community acquired pneumonia':ti,ab OR CAP:ti,ab) AND ('glucocorticoid'/exp OR 'corticosteroid'/exp OR glucocorticoid*:ti,ab OR corticosteroid*:ti,ab OR hydrocortisone:ti,ab OR methylprednisolone:ti,ab OR dexamethasone:ti,ab) AND ('randomized controlled trial'/exp OR randomized:ti,ab OR randomised:ti,ab OR placebo:ti,ab)	584
Web of Science	TS=("community-acquired pneumonia" OR "community acquired pneumonia" OR CAP) AND TS=(glucocorticoid* OR corticosteroid* OR hydrocortisone OR methylprednisolone OR dexamethasone) AND TS=(randomized OR randomised OR placebo)	297

Figure S1. Flowchart of study selection

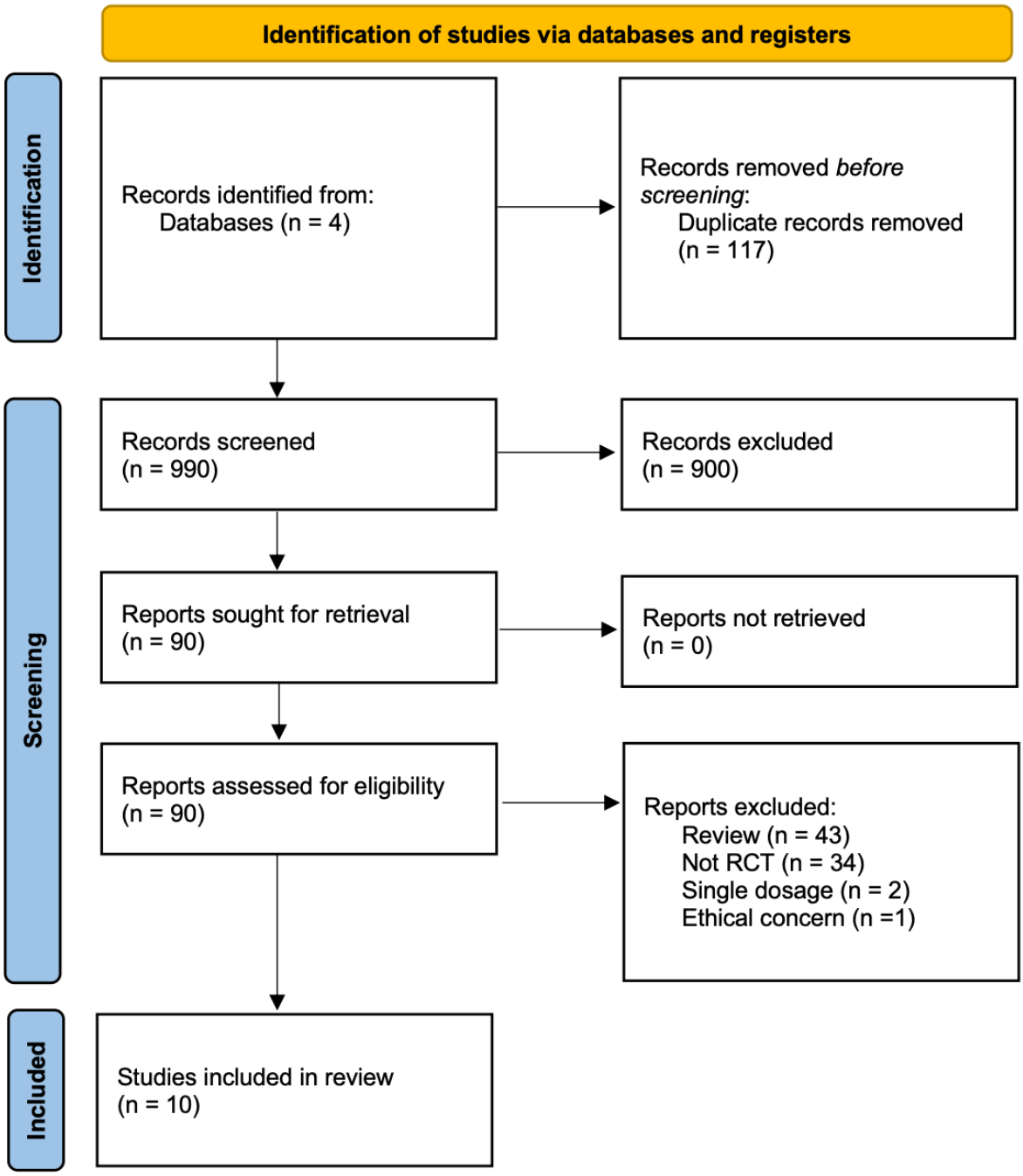


Figure S2. Sensitivity analysis of short-term mortality

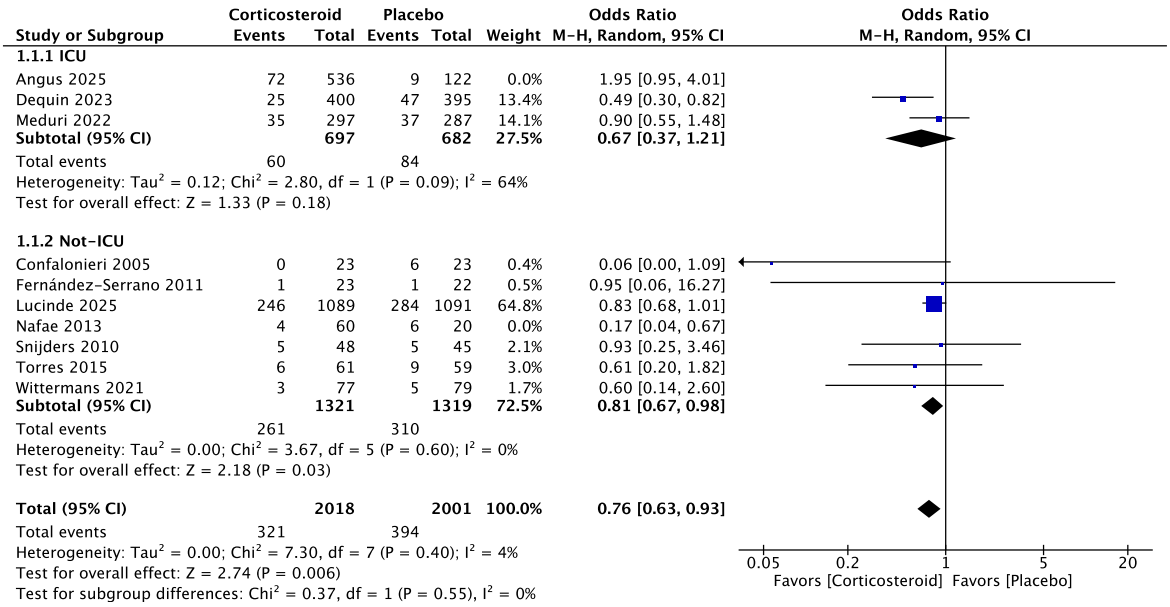


Figure S3. Sensitivity analysis of long-term mortality

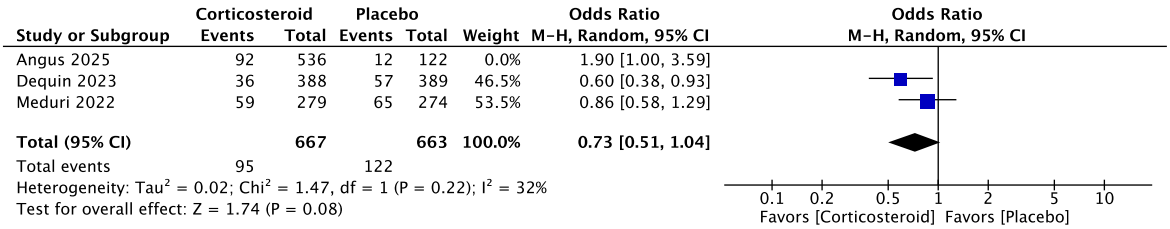


Figure S4. Sensitivity analysis of length of hospital stay

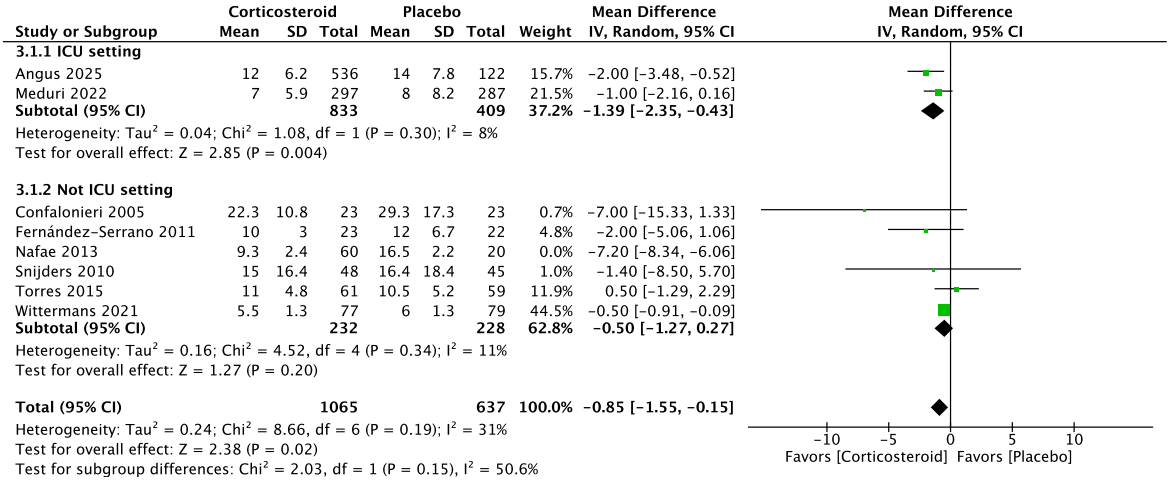
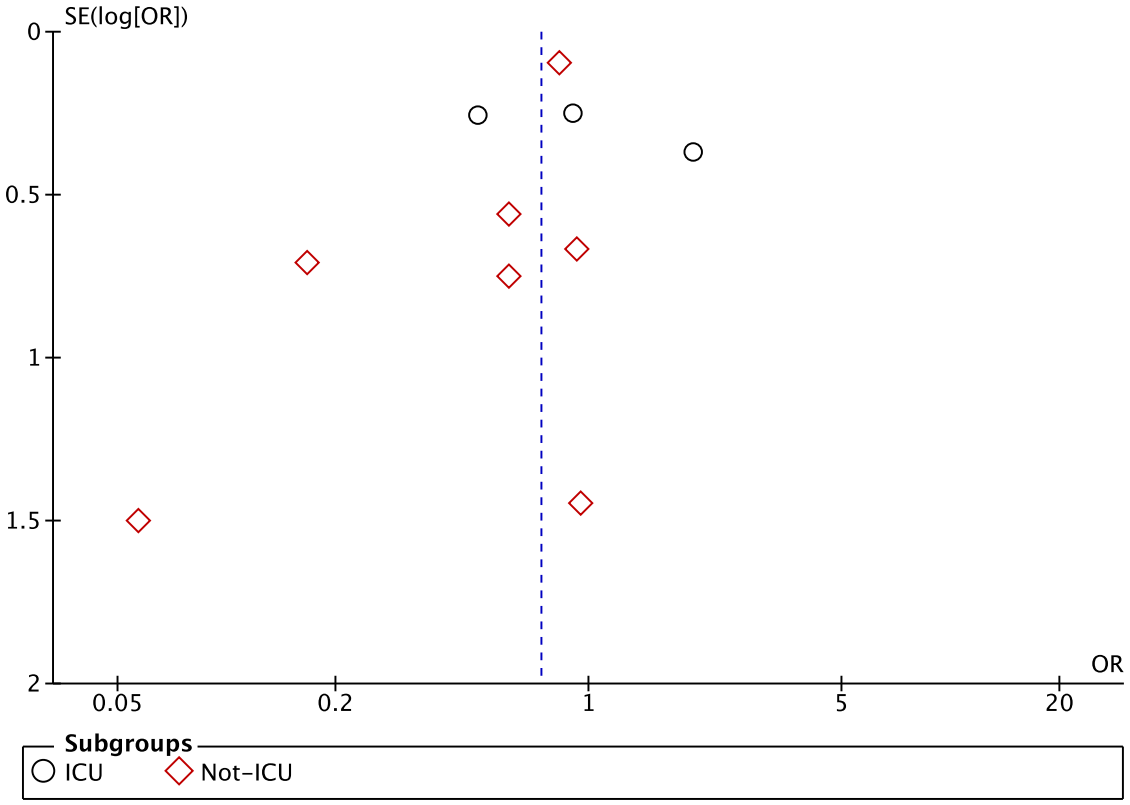
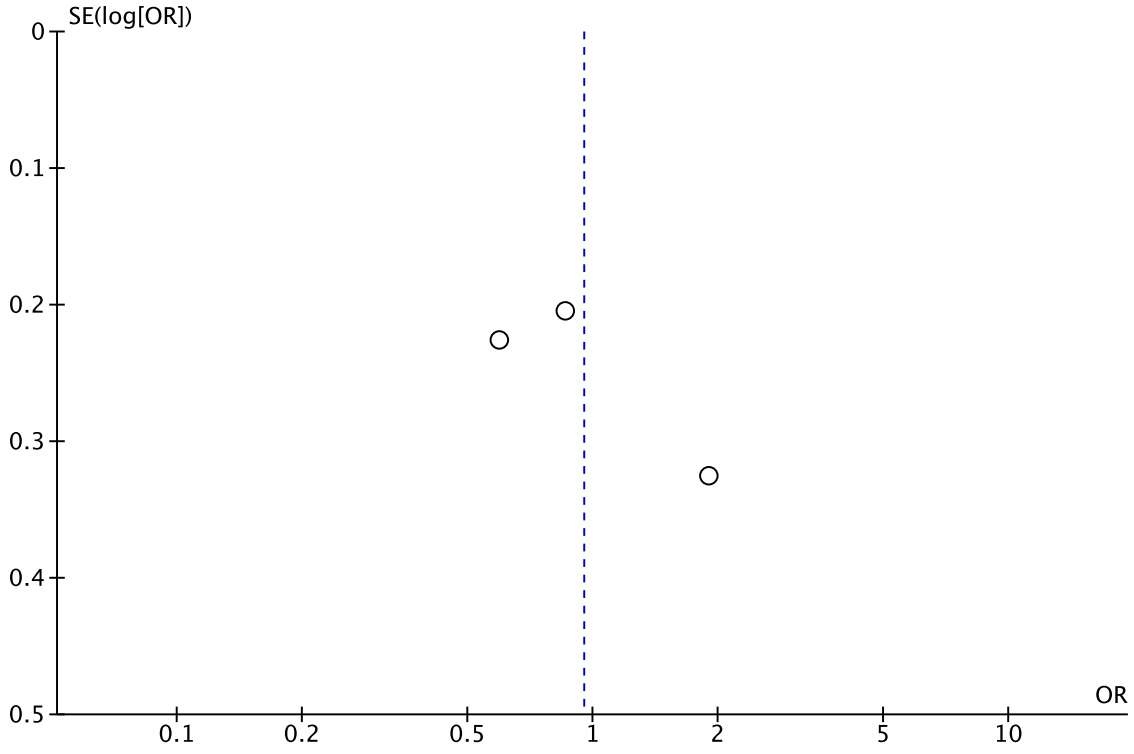


Figure S5. Funnel plot for publication bias of short-term all-cause mortality



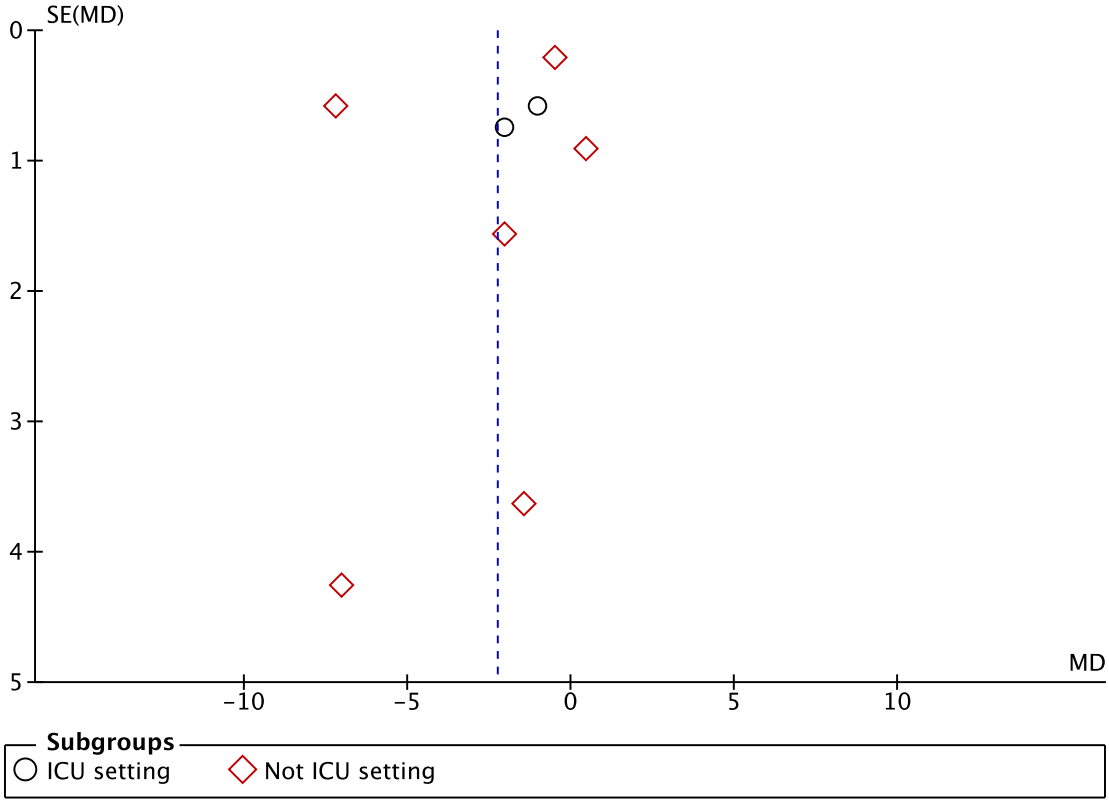
Egger's test p value = 0.056

Figure S6. Funnel plot for publication bias of long-term all-cause mortality



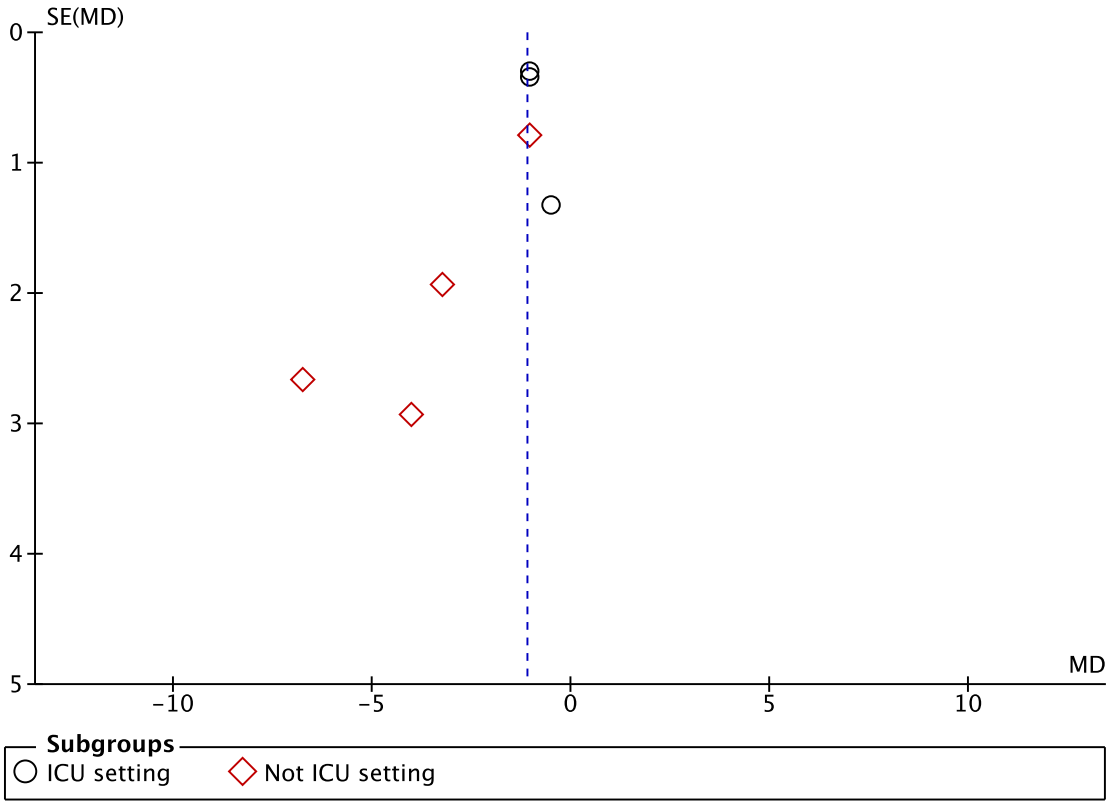
Egger's test p value = 0.587

Figure S7. Funnel plot for publication bias of length of hospital stay



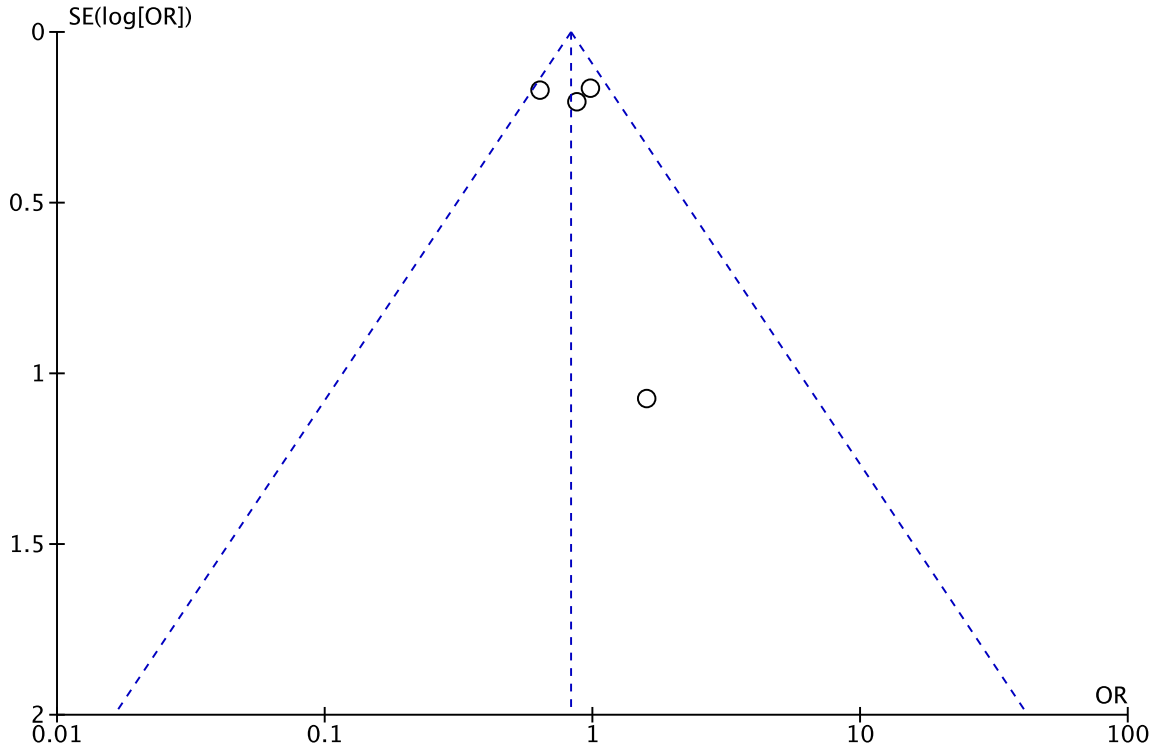
Egger's test p value = 0.305

Figure S8. Funnel plot for publication bias of length of ICU stay



Egger's test p value = 0.063

Figure S9. Funnel plot for publication bias of serious adverse events



Egger's test p value = 0.670

Figure S10. Risk of bias assessment for short-term all-cause mortality and length of stay

Figure S11. Risk of bias assessment for long-term mortality

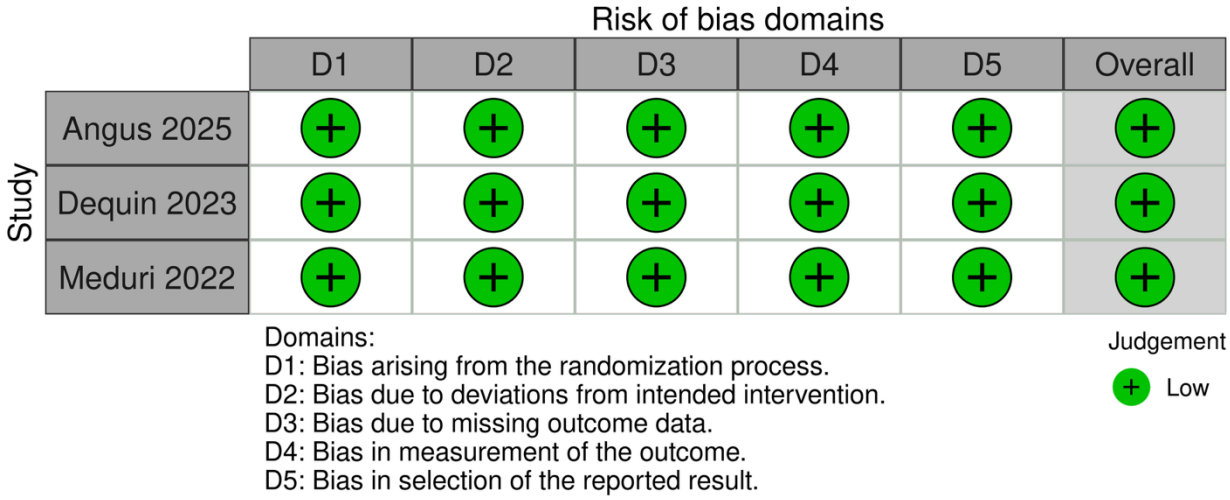


Figure S12. Risk of bias assessment for length of hospital stay

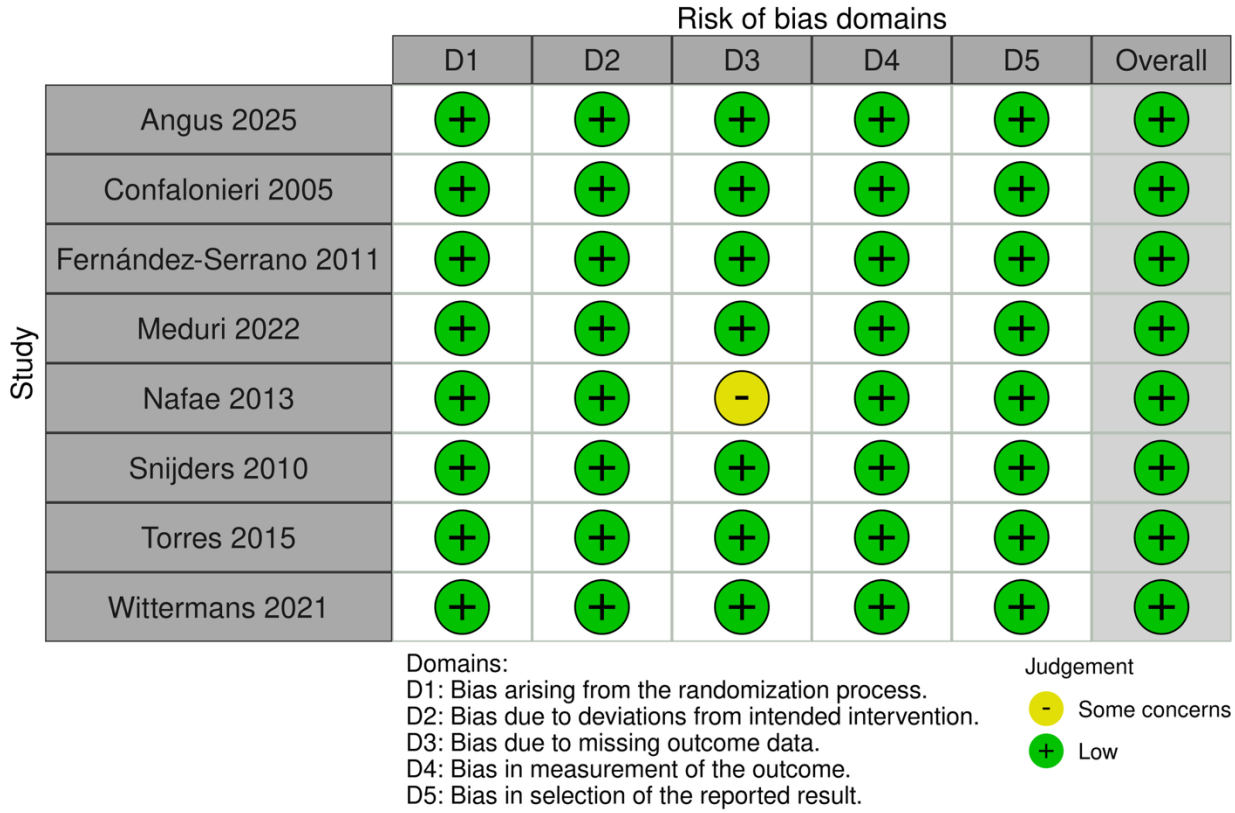


Figure S13. Risk of bias assessment for length of ICU stay

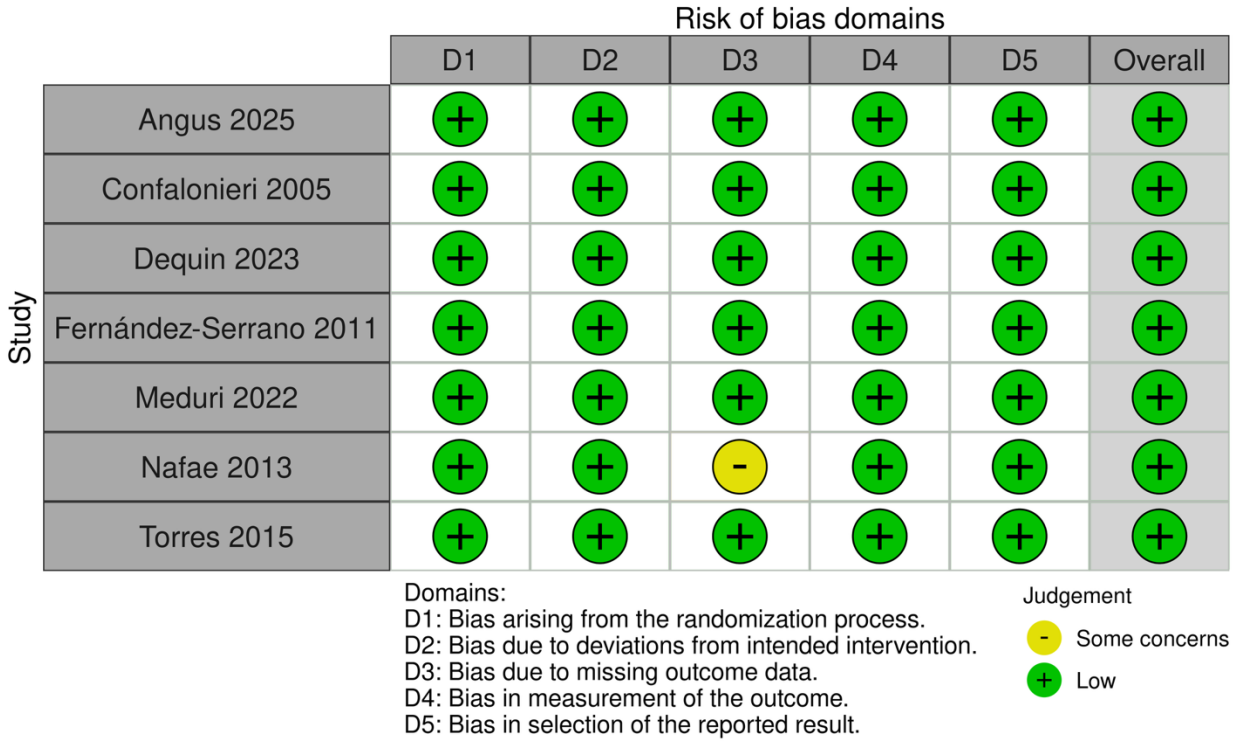
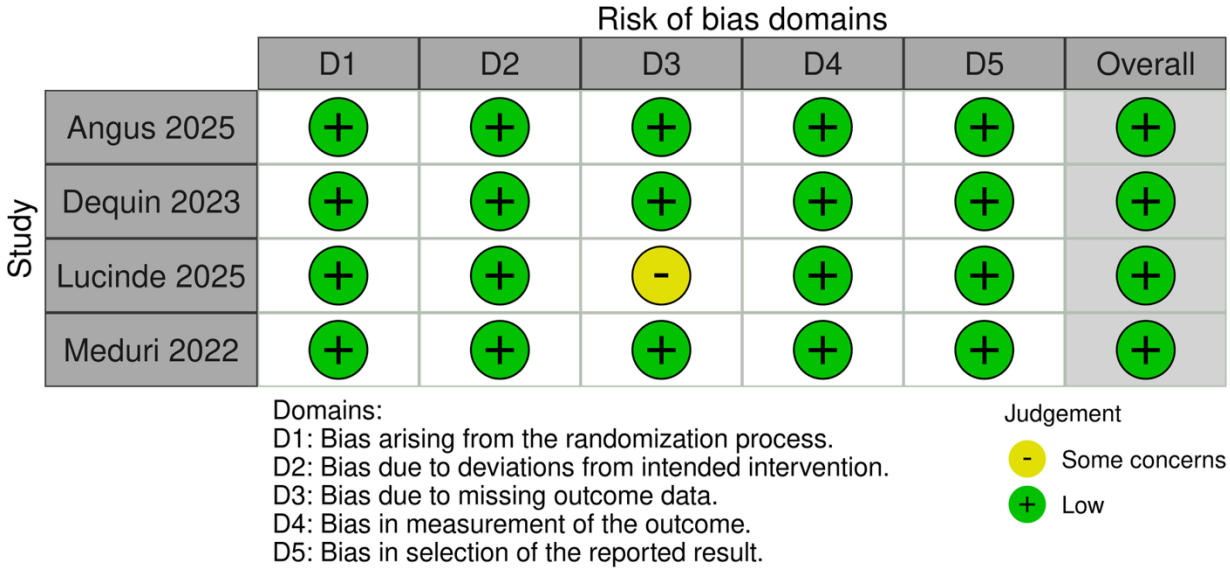



Figure S14. Risk of bias assessment for serious adverse events