

Supplementary Information

Title: Comparative Effectiveness of Simulation-Based Bronchoscopy Training Strategies: A Network Meta-Analysis of Randomized Controlled Trials

Table of Contents

Table S1. Database-specific search strategies and search results

Figure S1. Ranking of possibilities in procedure time

Figure S2. Ranking of possibilities in diagnostic completeness

Figure S3. Ranking of possibilities in structured progress

Figure S4. Risk of bias for all enrolled studies

Figure S5. Publication bias for procedure time

Figure S6. Publication bias for diagnostic completeness

Figure S7. Publication bias for structured progress

Table S1. Database-specific search strategies and search results

Database	Field tags / syntax	Search strategy	Result
PubMed	MeSH + Title/Abstract	((("Bronchoscopy"[Mesh] OR bronchoscopy[Title/Abstract] OR "flexible bronchoscopy"[Title/Abstract]) AND (simulation[Title/Abstract] OR simulator[Title/Abstract] OR simulat*[Title/Abstract]))	507
Web of Science	Topic	("flexible bronchoscopy" OR bronchoscopy) AND (simulation OR simulator OR simulat*)	501
Cochrane Library	Keyword search	(bronchoscopy OR "flexible bronchoscopy") AND (simulation OR simulator OR simulat*)	106

Figure S1. Ranking of possibilities in procedure time

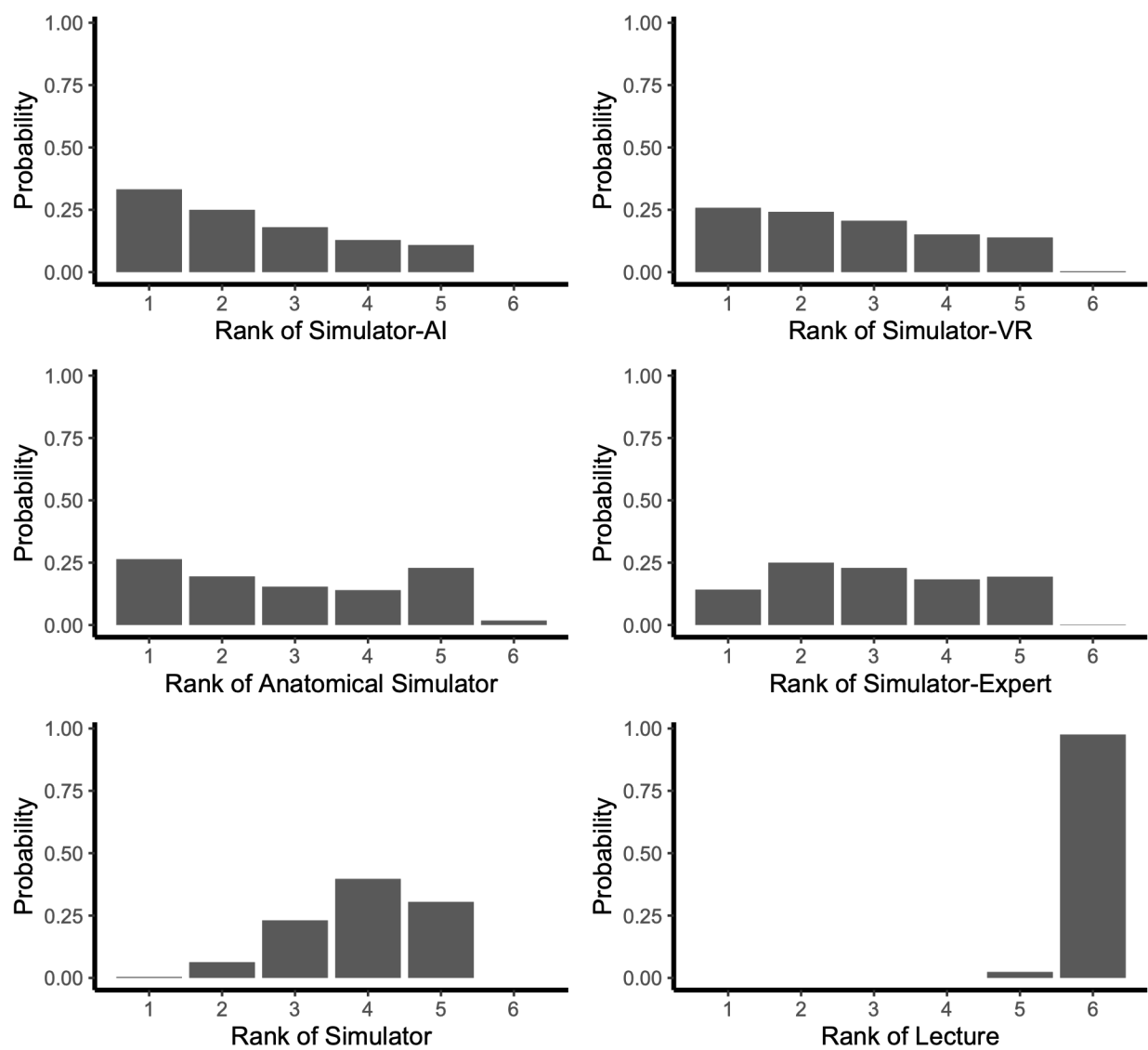


Figure S2. Ranking of possibilities in diagnostic completeness

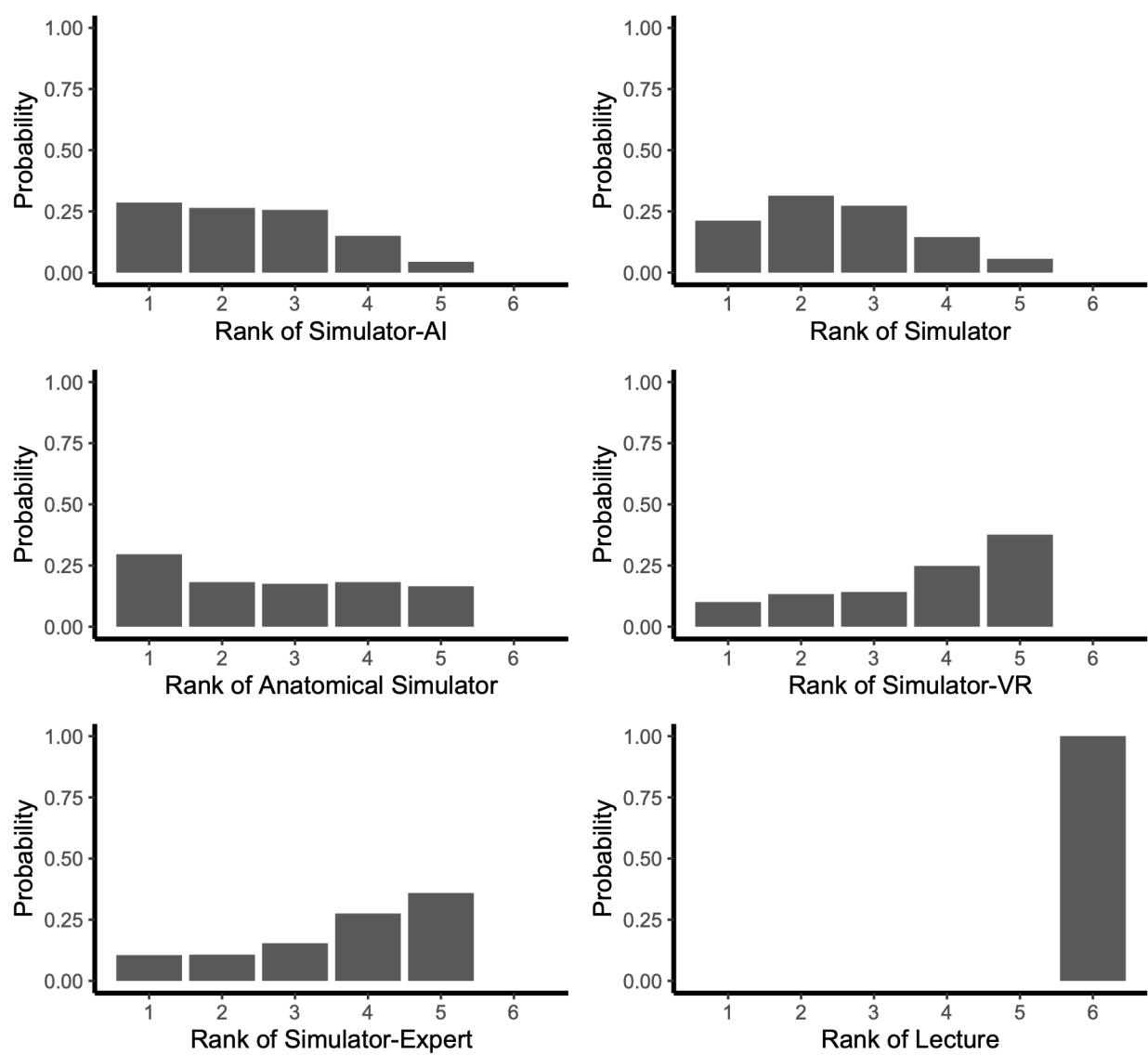


Figure S3. Ranking of possibilities in structured progress

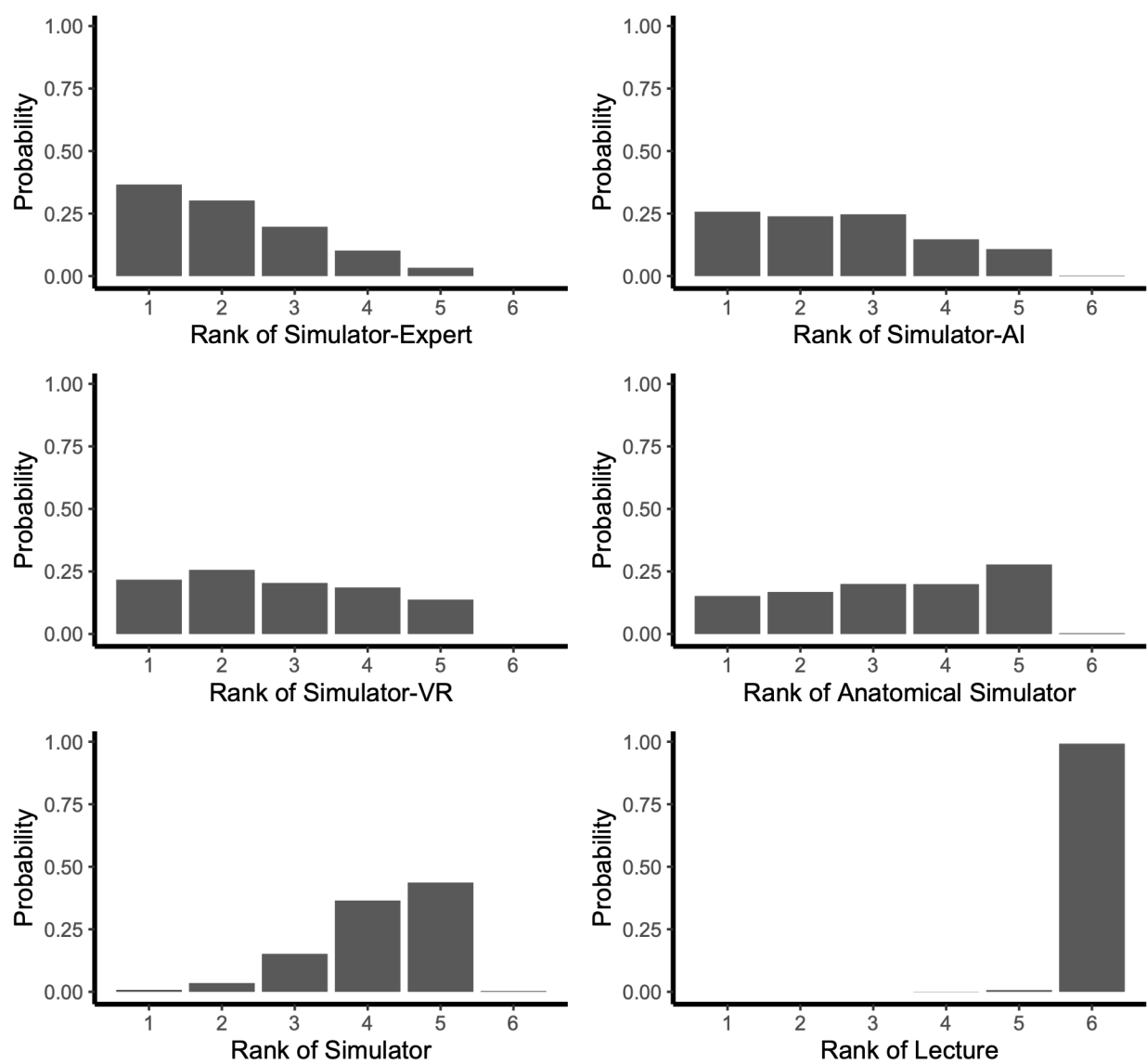


Figure S4. Risk of bias for all enrolled studies

		Risk of bias domains					
		D1	D2	D3	D4	D5	Overall
Study	Agbontaen 2025						
	Andersen 2023						
	Blum 2004						
	Cold 2024						
	Deng 2025						
	Krogh 2013						
	Ost 2001						
	Su 2025						
	Vieira 2023						
Domains:		Judgement					
D1: Bias arising from the randomization process.		Some concerns					
D2: Bias due to deviations from intended intervention.		Low					
D3: Bias due to missing outcome data.							
D4: Bias in measurement of the outcome.							
D5: Bias in selection of the reported result.							

Figure S5. Publication bias for procedure time

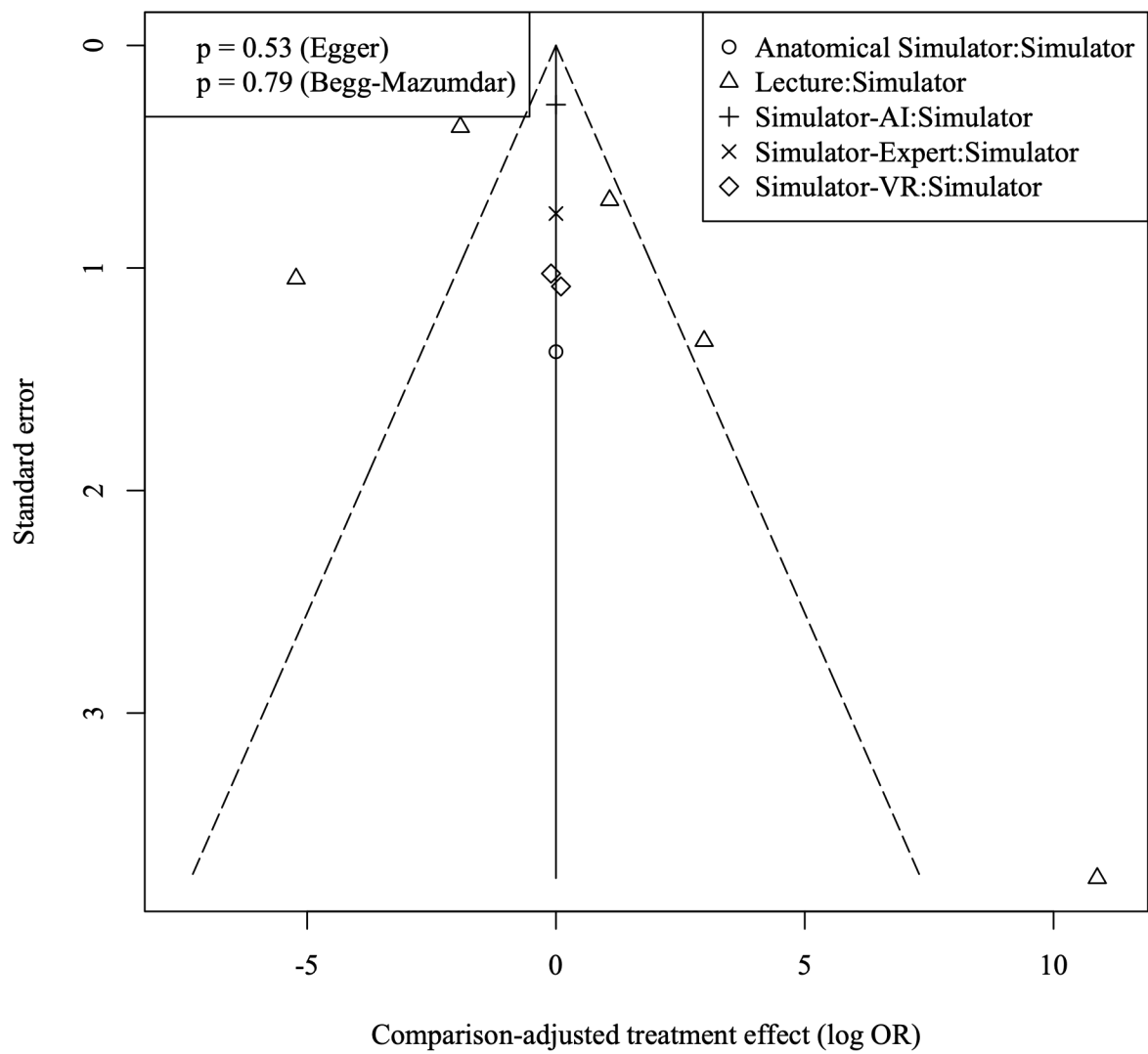


Figure S6. Publication bias for diagnostic completeness

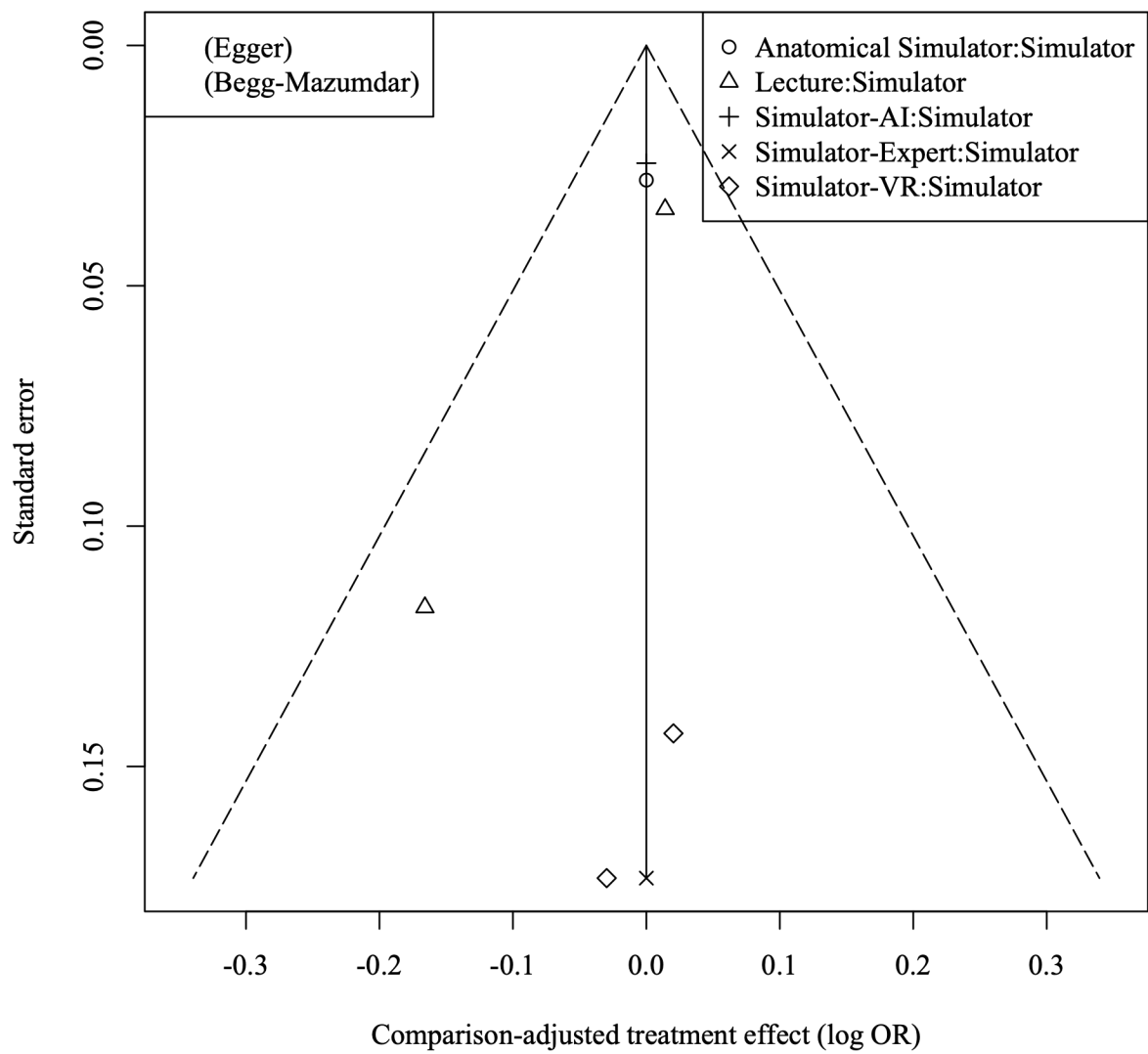


Figure S7. Publication bias for structured progress

