Supplementary Table S3: Risk of bias assessment

Authors, Year	Subject Selection				Index Test (LLM)			Reference Standard		Flow and Timing	
	Q1	Q2	Q3	Risk	Q4	Q5	Risk	Q6	Risk	Q7	Risk
Acharya, et al, 2024.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Ali, et al, 2023.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Alkouz, et al, 2022.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Ayoub, et al, 2024.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Bellinger, et al, 2023.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Bombieri, et al, 2023.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Bressem, et al, 2024.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Bushuven, et al, 2023.	Yes	Yes	Yes	Low	No	No	High	Yes	Low	Yes	Low
Butler, et al, 2024.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Cai, et al, 2021.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Campbell, et al, 2024.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Caruccio, et al, 2024.	Yes	No	No	High	Yes	Yes	Low	Yes	Low	Yes	Low
CB, et al, 2023.	Yes	No	Yes	Low	No	Yes	High	Yes	Low	Yes	Low
Chen, et al, 2021.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low

Chizhikova, et al, 2023.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Cuthbert, et al, 2023.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Datta, et al, 2022.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Datta, et al, 2023.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
De Oliveira, et al, 2024.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Fonseca, et al, 2024.	Yes	No	Yes	High	No	Yes	Low	Yes	Low	Yes	Low
Fu, et al, 2022.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Gan, et al, 2024.	Yes	Yes	No	Low	No	Yes	Low	Yes	Low	Yes	Low
Ghanem, et al, 2024.	No	No	No	High	No	No	High	Yes	Low	Yes	Low
Guo, et al, 2022.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Hartman, et al, 2023.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Haze, et al, 2023.	Yes	No	No	Low	No	No	High	Yes	Low	Yes	Low
Homburg, et al, 2023.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Hristidis, et al, 2023.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Hu, et al, 2024.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Ilias, et al, 2023.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Ji, et al, 2021.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low

Kaarre, et al, 2023.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Kaplar, et al, 2022.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Karakas, et al, 2023.	No	No	No	High	No	No	High	No	High	Yes	Low
Karthikeyan, et al, 2022.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Kim, et al, 2023. under	Yes	No	Yes	Low	No	Yes	High	Yes	Low	Yes	Low
Kim, et al, 2023. predi	Yes	No	Yes	Low	Yes	Yes	High	Yes	Low	Yes	Low
Klein, et al, 2021.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Laison, et al, 2023.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Lee, et al, 2024.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Li, et al, 2021.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Li, et al, 2024.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Liu, et al, 2021.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Liu, et al, 2023. using	Yes	Yes	No	Low	No	Yes	Low	Yes	Low	Yes	Low
Liu, et al, 2023.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Liu, et al, 2024.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Lu, et al, 2021. natu	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Lu, et al, 2021. Revea	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low

Maillard, et al, 2023.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Massey, et al, 2023.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Mihalache, et al, 2023.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Mika, et al, 2023.	Yes	No	No	Low	No	Yes	Low	Yes	Low	Yes	Low
Mishra, et al, 2023.	Yes	No	No	Low	No	Yes	Low	Yes	Low	Yes	Low
Mitchell, et al, 2022.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Mohamad, et al, 2023.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Mulyar, et al, 2021.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Nimmi, et al, 2022.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Oon, et al, 2023.	Yes	No	No	Low	No	Yes	Low	Yes	Low	Yes	Low
Otsuka, et al, 2023.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Parker, et al, 2023.	No	No	No	High	No	No	High	No	High	Yes	Low
Percha, et al, 2021.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Qiao, et al, 2021.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Scquizzato, et al, 2024.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Shang, et al, 2023.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Song, et al, 2023.	Yes	No	No	Low	No	Yes	Low	Yes	Low	Yes	Low

Tan, et al, 2023.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Truhn, et al, 2023.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Tsoutsanis, et al, 2024.	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Vithanage, et al, 2024.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Walker, et al, 2023.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Wang, et al, 2022.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Wang, et al, 2023. perfo	Yes	No	Yes	Low	No	Yes	Low	No	High	Yes	Low
Wang, et al, 2023. poten	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Wang, et al, 2023. chtgpt	Yes	No	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Wang, et al, 2023. text	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Wang, et al, 2023. effici	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Not clear	Not clear
Wilhelm, et al, 2023.	Yes	No	No	Low	No	Yes	Low	Yes	Low	Yes	Low
Xie, et al, 2022.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Xue, et al, 2024.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Yun, et al, 2023.	Yes	No	No	Low	No	Yes	Low	Yes	Low	Yes	Low
Zaboli, et al, 2024.	Yes	Yes	Yes	Low	No	Yes	Low	Yes	Low	Yes	Low
Zhang, et al, 2022.	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low

Zhang, et al, 2022.Lab	Yes	No	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low
Zhou, et al, 2022.	Yes	Yes	Yes	Low	Yes	Yes	Low	Yes	Low	Yes	Low