

Supplementary file 4. Risk of bias assessment

Table of contents

A. Randomized Controlled Trials	2
B. Observational studies.....	3

A. Randomized Controlled Trials

		Risk of bias domains					
		D1	D2	D3	D4	D5	Overall
Study	Allingstrup (2017)	+	+	-	+	+	-
	Badjatia	+	+	+	-	-	-
	Carteron	+	-	+	-	-	-
	Chapple	+	+	+	+	-	-
	De Azevedo (2019)	+	-	+	+	-	-
	De Azevedo (2021)	+	+	+	+	-	-
	Dresen	-	-	+	+	+	-
	Fetterplace	+	+	+	+	+	+
	Nakamura	+	+	+	+	-	-
	Rugeles	+	-	+	+	-	-
	van Zanten	+	+	+	+	-	-
	Xiong	+	-	+	+	+	-
	Yeh (2020)	+	-	+	+	+	-
	Zhang	+	-	+	-	-	-

Domains:

D1: Bias arising from the randomization process.

D2: Bias due to deviations from intended intervention.

D3: Bias due to missing outcome data.

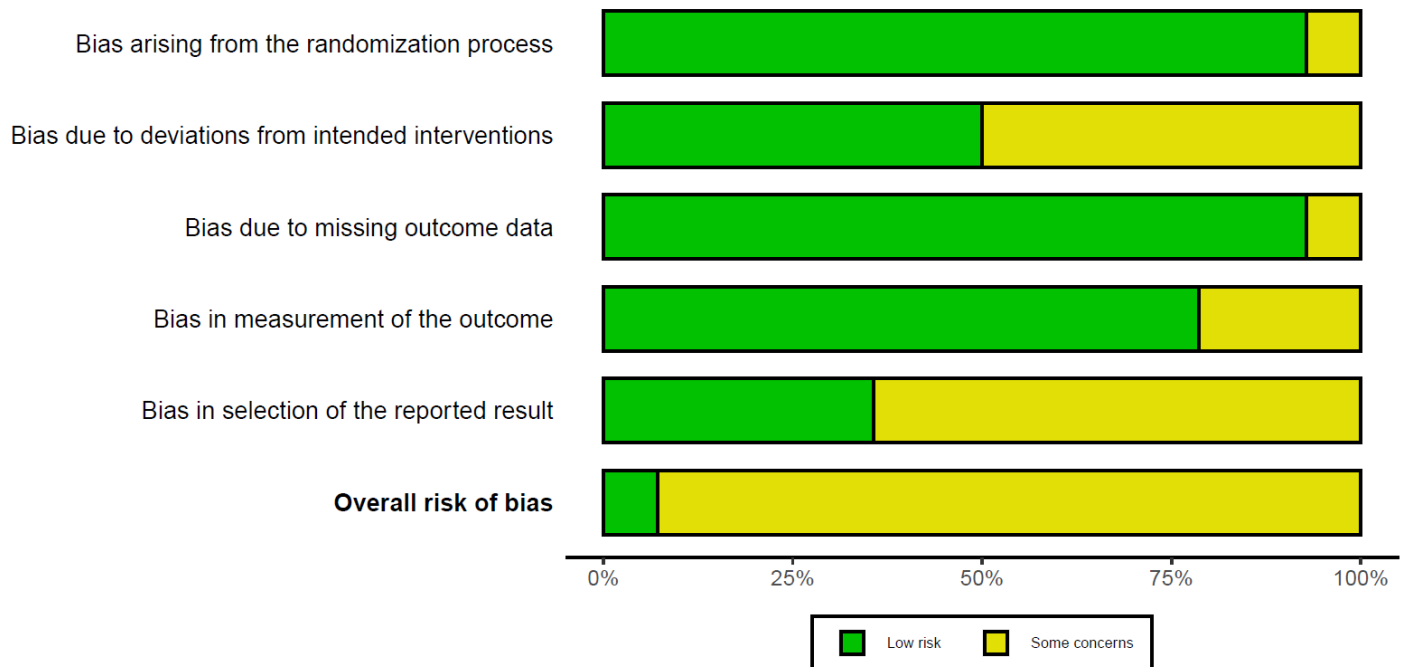
D4: Bias in measurement of the outcome.

D5: Bias in selection of the reported result.

Judgement

- Some concerns

+ Low



B. Observational studies

Study	Risk of bias domains							Overall
	D1	D2	D3	D4	D5	D6	D7	
Allingstrup (2012)	⊗	+	-	+	-	+	-	⊗
ApSimon	⊗	+	-	-	+	+	-	⊗
Buckley	⊗	⊗	-	!	+	+	-	!
Franzosi	⊗	+	-	+	+	+	-	⊗
Kim	⊗	+	-	!	+	+	-	!
Lin	!	⊗	-	⊗	+	+	-	!
Looijaard	⊗	+	-	+	+	+	-	⊗
Matsushima	-	+	-	+	-	+	-	-
Nakano	⊗	+	-	+	+	+	-	⊗
Salciute-Simene	-	+	-	+	+	+	-	-
Song	⊗	+	-	+	+	+	-	⊗
Suzuki	-	⊗	-	+	+	+	-	⊗
Weijs (2012)	⊗	+	-	+	+	+	-	⊗
Weijs (2014)	⊗	+	-	+	+	+	-	⊗
Yeh (2017)	⊗	+	+	+	+	+	-	⊗

Domains:

D1: Bias due to confounding.

D2: Bias due to selection of participants.

D3: Bias in classification of interventions.

D4: Bias due to deviations from intended interventions.

D5: Bias due to missing data.

D6: Bias in measurement of outcomes.

D7: Bias in selection of the reported result.

Judgement

! Critical

⊗ Serious

- Moderate

+ Low

