

Supplementary file 4. Risk of bias assessment

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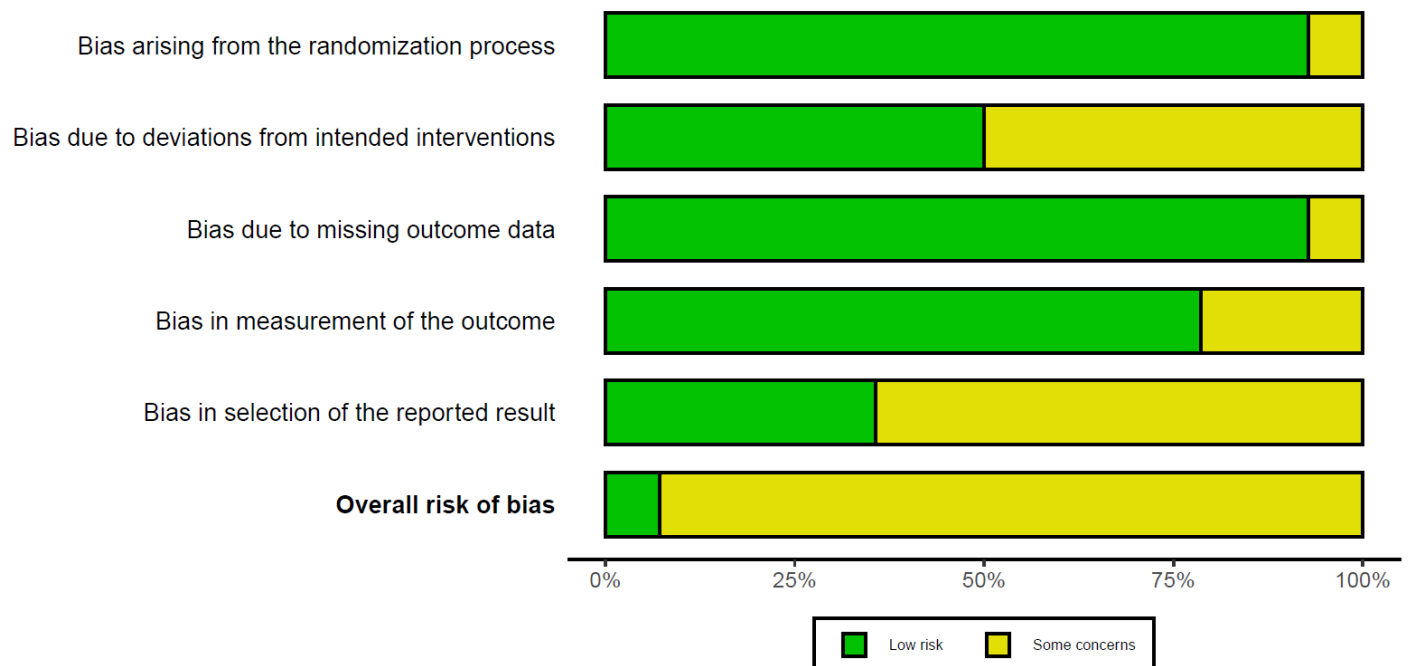
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A. Randomized Controlled Trials

	Risk of bias domains					Overall
	D1	D2	D3	D4	D5	
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

	Risk of bias domains							Overall
	D1	D2	D3	D4	D5	D6	D7	
Study								
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

