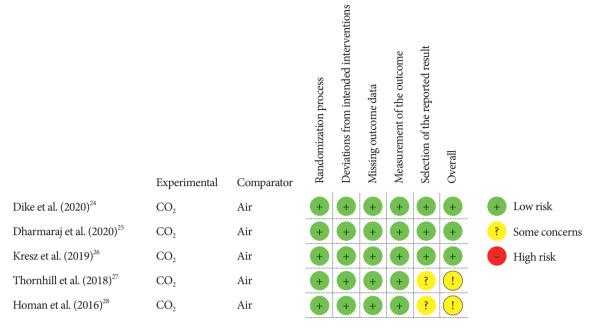
## Supplementary File 1. Overall risk of bias.



## Supplementary File 2. GRADEpro. Supplementary file.

Insufflation of Carbon Dioxide versus insufflation of air during colonoscopy in pediatric patients: A systematic review and meta-analysis of randomized controlled trials

Patient or population: Colonoscopy insufflation in pediatric patients

## Setting:

Intervention: CO2

## Comparison: Air

Outcomes	№ of participants (studies) Follow up	Certainty of the evidence (GRADE)	Relative effect (95% CI)	Anticipated absolute effects	
				Risk with Air	Risk difference with CO2
Procedure time	256 (4 RCTs <sup>[24–26,28]</sup> )	$ \bigoplus \bigoplus \bigcirc \bigcirc \\ LOW^{a,b} $	-	The mean proce- dure time was 0	MD 14.95 higher (9.69 lower to 39.59 higher)
Abdominal pain immediately post-procedure	213 (3 RCTs <sup>[25-27]</sup> )	$\begin{array}{c} \oplus \oplus \oplus \oplus \\ \text{HIGH} \end{array}$	not estimable	387 per 1.000	387 fewer per 1.000 (387 fewer to 387 fewer)
Abdominal pain at 24 hours post-procedure	216 (3 RCTs <sup>[25,27,28]</sup> )	⊕⊕⊖⊖ LOW <sup>a,b</sup>	not estimable	82 per 1.000	82 fewer per 1.000 (82 fewer to 82 fewer)

\*The risk in the intervention group (and its 95% confidence interval) is based on the assumed risk in the comparison group and the relative effect of the intervention (and its 95% CI).

CI, confidence interval; MD, mean difference.

GRADE Working Group grades of evidence.

High certainty: We are very confident that the true effect lies close to that of the estimate of the effect.

Moderate certainty: We are moderately confident in the effect estimate: The true effect is likely to be close to the estimate of the effect, but there is a possibility that it is substantially different.

Low certainty: Our confidence in the effect estimate is limited: The true effect may be substantially different from the estimate of the effect. Very low certainty: We have very little confidence in the effect estimate: The true effect is likely to be substantially different from the estimate of effect.

<sup>a</sup>High heterogeneity.

<sup>b</sup>Non significant difference.