

Supplementary file 10

Sensitivity analyses

Table S 10 Sensitivity analyses for the risk of ventilation-associated pneumonia (OR with 95% CrI and rank order)

	Synbiotics	Probiotics	Prebiotics	EPN	TPN	Number of studies	Participants
Overall patients	0.66 (0.37, 1.15) Rank 1	<u>0.75 (0.58, 0.95)</u> <u>Rank 2</u>	1.14 (0.63, 1.98) Rank 5	reference Rank 3	1.01 (0.67, 1.54) Rank 4	25	7721
Studies with low-moderate ROB	0.66 (0.38, 1.12) Rank 1	<u>0.76 (0.57, 0.98)</u> <u>Rank 2</u>	1.69 (0.81, 3.45) Rank 5	Reference Rank 3	0.98 (0.58, 1.67) Rank 4	20	7439
Studies with robust diagnostic criteria for VAP	0.66 (0.37, 1.14) Rank 1	<u>0.76 (0.58, 0.99)</u> <u>Rank 2</u>	1.14 (0.61, 2.00) Rank 5	reference Rank 3	1.01 (0.66, 1.56) Rank 4	23	7596
Multicentric studies	0.89 (0.22, 3.59) Rank 2	0.70 (0.34, 1.18) Rank 1	2.63 (0.79, 8.82) Rank 5	Reference Rank 3	1.12 (0.49, 2.75) Rank 4	8	5920
Single centre studies	0.36 (0.11, 1.21) Rank 1	0.59 (0.31, 1.00) Rank 2	0.81 (0.27, 2.28) Rank 3	Reference Rank 4	1.05 (0.37, 3.00) Rank 5	17	1801

OR:odds ratio. CrI:credible interval. EPN: enteral nutrition and/or adjuvant peripheral parenteral nutrition. ROB: Risk of bia; TPN: total parenteral nutrition.VAP: ventilation-associated pneumonia.