

Prior belief	Assumed median RR	Probability of treatment effect equal to or greater than specified threshold			
		RR<1	RR<0.9	RR<0.8	RR<0.7
Non-informative (Equivalent to no prior data)	1.0	50%	50%	49%	49%
Strongly enthusiastic towards ECMO (Equivalent to previous RCT enrolling 100 patients finding a 33% RR reduction)	0.67	95%	89%	77%	58%
Moderately enthusiastic towards ECMO (Equivalent to previous RCT enrolling 264 patients finding a 22% RR reduction)	0.78	95%	83%	57%	24%
Sceptical towards ECMO (Equivalent to previous RCT enrolling 100 patients finding a 0% RR reduction)	1.0	50%	33%	18%	7%
Strongly sceptical towards ECMO (Equivalent to previous RCT enrolling 264 patients finding a 0% RR reduction)	1.0	50%	24%	7%	1%
Prior informed by previous studies	0.71	99%	48%	Not stated	Not stated

ECMO: extracorporeal membrane oxygenation; EOLIA: extracorporeal membrane oxygenation to rescue lung injury in severe acute respiratory distress syndrome; RCT: randomised controlled trial; RR: relative risk