

			Odds ratio		Odds ratio)	Risk of bias
Study or subgroup	Log [odds ratio]	SE	Weight	IV. Random, 95% C	IV. Random, 95	5% CI A	BCDEFGH
Abe et al. [22] 2019	0.357	0.1486	12.3%	1.43 [1.07, 1.91]	-	•	++++++
Bloos et al. [23] 2014	0.207	0.2131	8.6%	1.23 [0.81, 1.87]	-	?	++++++
Suberviola Cañas et al. [24] 2015	-0.6127	0.2316	7.8%	0.54 [0.34, 0.85]	-	?	++?+++
Ferrer et al. [1] 2009	-0.3383	0.1091	15.2%	0.71 [0.58, 0.88]	-	?	++++++
Hu et al. [25] 2020	-0.3132	0.214	8.6%	0.73 [0.48, 1.11]		?	+++++
Kumar et al. [5] 2006	-0.1165	0.0058	20.7%	0.89 [0.88, 0.90]	•	?	++++++
Lee et al. [26] 2015	-0.0632	0.2823	6.0%	0.94 [0.54, 1.63]	+	+	+ $?$ $+$ $+$ $+$
Ryoo et al. [29] 2015	-0.0825	0.2547	6.9%	0.92 [0.56, 1.52]	+	?	++?+++
Yokota et al. [32] 2014	-0.372	0.1254	13.9%	0.69 [0.54, 0.88]	-	?	• • ? • • • •
Total (95% CI)			100.0%	0.86 [0.73, 1.01]	•		
Heterogeneity: $Tau^2 = 0.03$; $Chi^2 = 26.22$, $df = 8$ ($p = 0.0010$); $I^2 = 69\%$ Test for overall effect: $Z = 1.83$ ($p = 0.07$)				0.01 0.1 1	10 100		
4	•				Favours [< 1 hr] Favours	avours [> 1 hr]	



			Odds ratio			Odds ra		0		Risk of bias							
Study or subgroup	Log [odds ratio]	SE	Weight	IV. Random, 95% C	i .	IV. R	andom, 9	5% CI		А В	C	D	Ε	F (G H		
Suberviola Cañas et al. [24] 2015	-0.6127	0.2316	10.4%	0.54 [0.34, 0.85]					(? (+	+	?	+ (ÐG	++		
Hu et al. [25] 2020	-0.3132	0.214	11.8%	0.73 [0.48, 1.11]						? (1	•	1	Ð	+ +		
Kumar et al. [5] 2006	-0.1165	0.0058	61.5%	0.89 [0.88, 0.90]			7			? (+	+	•	+	Ð	+ +		
Lee et al. [26] 2015	-0.0632	0.2823	7.4%	0.94 [0.54, 1.63]						ÐŒ		?	+ (Ð	+		
Ryoo et al. [29] 2015	-0.0825	0.2547	8.8%	0.92 [0.56, 1.52]						? +	+	?	+	Ð (+		
Total (95% CI)			100.0%	0.83 [0.71, 0.98]			•										
Heterogeneity: Tau ² = 0.01; Chi ² = 5.48, df = 4 (p = 0.24); l^2 = 27% Test for overall effect: Z = 2.25 (p = 0.02)				0.01	0.1	1	10	100									
V.					Fav	ours [< 1 h	r]	Favours [> 1	hr]								



Supplementary Figure 1. Sensitivity analysis of pooled odds ratios for mortality by antibiotic administration time (within 1 hour vs. after 1 hour). A study with a heterogeneous mortality endpoint (90-day mortality) was excluded. Analysis conducted in patients with (A) overall sepsis and (B) septic shock. SE, standard error; IV, inverse variance; CI, confidence interval. Risk of bias legend: (A) Comparability of the target group; (B) Target group selection; (C) Confounders; (D) Measurement of intervention/exposure; (E) Blinding of assessors; (F) Outcome assessment; (G) Incomplete outcome data; (H) Selective outcome reporting.