Colonisation with Extended-Spectrum Cephalosporin-Resistant Enterobacterales and Infection Risk in Surgical Patients: a Systematic Review and Meta-Analysis Supplementary Material

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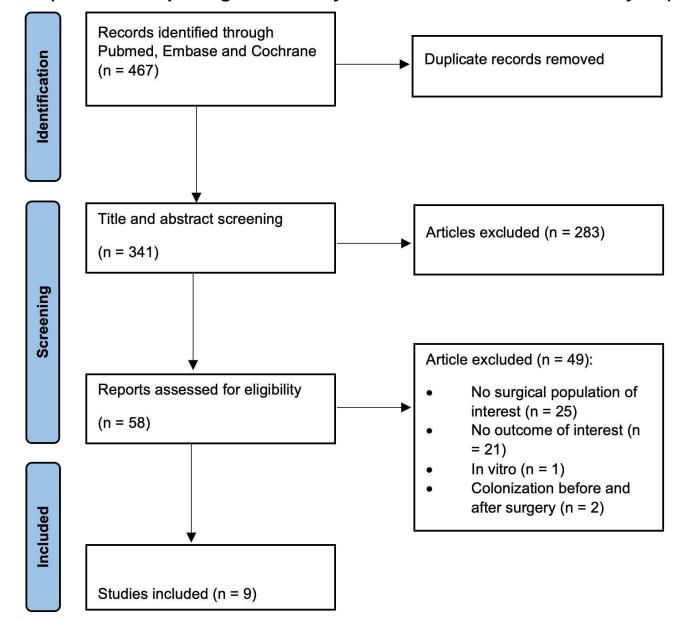
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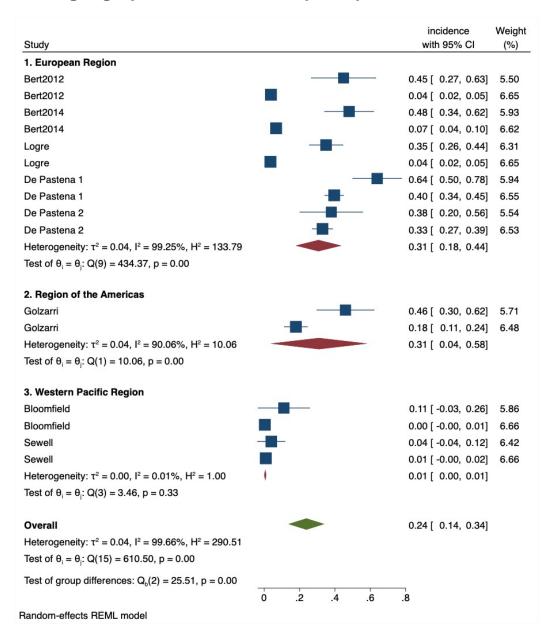
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Supplementary Figure 1. PRISMA (Preferred Reporting Items for Systematic reviews and Meta-Analyses) flow diagram



Supplementary Figure 2. Forest plots of geographic distribution of postoperative infections according to the area



Supplementary Figure 3. Forest plots reporting the pooled OR in colonized vs. noncolonized patients

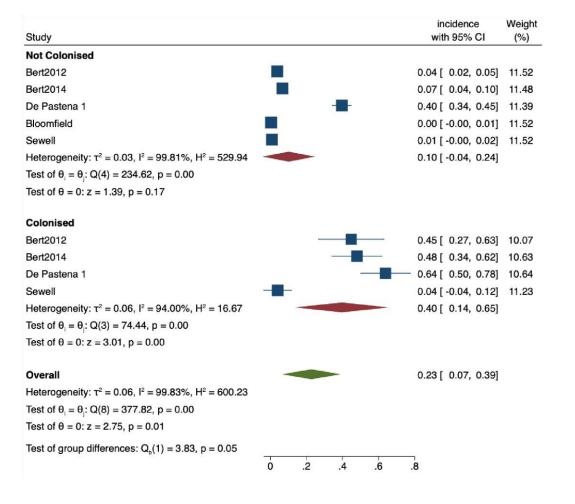
A) Postoperative infections

B) SSIs

Study	Color +	nised -		ntrol -			Odds ra with 95%		Weight (%)	Study	Color +	nised -	Co +	ntrol -					Odds ra with 95%		Weight (%)
Bert2012 (2012) Bert2014 (2014)		16 26		655 249			20.47 [8.92, 12.77 [6.14,	-		Apisarnthanarak (2019)	40	89		220					8.99 [4.41,	-	
Logre (2020)	35	65		626		-	14.66 [8.17,	-		Golzarri (2019) De Pastena 1 (2020)	10 23			119 239					2.94 [1.19, 2.36 [1.27,	-	
De Pastena 1 (2020)	30	17	133	203			2.69 [1.43,	5.08]	14.93	De Pastena 2 (2020)	9	20	74	193			-		1.17 [0.51,	2.69]	18.09
De Pastena 2 (2020)	11	18	88	179 —			1.24 [0.56,	2.75]	14.15	Dubinsky-Pertzov (2018)	55	165	49	391		-	_		2.66 [1.74,	4.07]	23.83
Bloomfield (2017)	2	16	1	262	-	-	– 32.75 [2.82 ,	380.64]	6.33	Overall									- 2.90 [1.56,	5.38]	
Sewell (2019)	1	24	3	324 —	_		4.50 [0.45,	44.92]	6.84		76.7	C0/ L	12 _ /	1.00					2.30 [1.30,	3.30]	
Golzarri (2019)	17	20	24	110	_	_	3.90 [1.78,	8.52]	14.20	Heterogeneity: $\tau^2 = 0.37$, I^2					colonisad	Favor	e control	ı			
Overall				├		6.63 [3.02,	14.54]		Test of $\theta_i = \theta_j$: Q(4) = 14.85, p = 0.01 Favors colonised Favors control Test of $\theta = 0$: z = 3.37, p = 0.00												
Heterogeneity: $\tau^2 = 0.9$	$7, I^2 =$	84.50	0%, F	$H^2 = 6.45$, p	0.00				1/0	1 0	1 1	16	-		
Test of $\theta_i = \theta_j$: Q(7) = 45.59, p = 0.00 Favors colonised				Favors	control									1/2	1 2	4 8	16				
Test of θ = 0: z = 4.72, p = 0.00						_															
1/2				4	32 25	6															

Supplementary Figure 4. Forest plots of infection incidence risk excluding targeted PAP

A) Postoperative infections

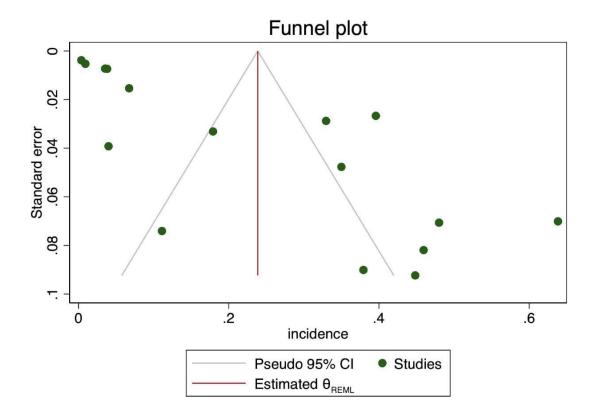


B) SSIs

Study	incidence with 95% CI	Weight (%)	
Not Colonised			
De Pastena 1	0.29 [0.24, 0.34]	26.17	
Dubinsky-Pertzov	0.11 [0.08, 0.14]	26.66	
Heterogeneity: $\tau^2 = 0.02$, $I^2 = 97.34\%$, $H^2 = 37.61$	0.20 [0.03, 0.37]		
Test of $\theta_i = \theta_j$: Q(1) = 37.61, p = 0.00			
Test of θ = 0: z = 2.24, p = 0.02			
Colonised			
De Pastena 1	0.49 [0.35, 0.63]	21.31	
Dubinsky-Pertzov	0.25 [0.19, 0.31]	25.86	
Heterogeneity: $\tau^2 = 0.03$, $I^2 = 89.23\%$, $H^2 = 9.29$	0.36 [0.13, 0.59]		
Test of $\theta_i = \theta_j$: Q(1) = 9.29, p = 0.00			
Test of $\theta = 0$: $z = 3.02$, $p = 0.00$			
Overall	0.27 [0.13, 0.42]		
Heterogeneity: $\tau^2 = 0.02$, $I^2 = 96.59\%$, $H^2 = 29.30$			
Test of $\theta_i = \theta_j$: Q(3) = 64.00, p = 0.00			
Test of $\theta = 0$: $z = 3.73$, $p = 0.00$			
Test of group differences: $Q_b(1) = 1.18$, $p = 0.28$			
	0 .2 .4 .6		

Supplementary Figure 5. Funnel plots

A) Postoperative infections



B) SSIs

