

Table E1 Variables related to clinical findings in the ER: univariate statistical study

	Any failure			Early failure		
	%	RR (95% CI)	p value	%	RR (95% CI)	p value
Symptoms						
Cough						
Yes	13.9	0.5 (0.4 to 0.8)	0.001	8.9	0.5 (0.3 to 0.7)	0.001
No	22.5	1.0		16.5	1.0	
Expectoration						
Yes	13.5	0.7 (0.5 to 0.9)	0.01	8.7	0.6 (0.4 to 0.9)	0.02
No	18.6	1.0		12.7	1.0	
Analysis						
Leucopenia						
Yes	50	5.8 (2.5 to 13.3)	<0.001	45	7.8 (3.3 to 18.6)	0.001
No	14.6	1.0		9.3	1.0	
Hyponatremia						
Yes	19.7	1.6 (1.2 to 2.1)	0.003	14.5	1.8 (1.3 to 2.7)	0.003
No	13.5	1.0		8.4	1.0	
Radiographic findings						
Cavitation						
Yes						
No	37.5	3.4 (1.3 to 8.9)	0.01	28.5	3.6 (1.2 to 10.9)	0.02
Pleural effusion	14.9	1.0		9.8	1.0	
Yes						
No	29	2.6 (1.8 to 3.7)	0.001	19.6	2.6 (1.6 to 3.9)	0.001
Multilobar CAP	13.3	1.0		8.7	1.0	
Yes						
No	24	2.2 (1.6 to 3.1)	0.001	17.3	2.4 (1.6 to 3.5)	0.001
	12.3	1.0		8	1.0	

ER, emergency room; RR, risk ratio; CI, confidence interval.

Data available for each variable: cough 1412, expectoration 1407, leucopenia 1416, hyponatremia 1416, cavitation 1412, pleural effusion 1419, multilobar CAP 1392.

Table E2 Results of initial antimicrobial treatment and failure

	Patients receiving (%)	Any failure* (%)	Early failure * (%)
3 rd generation cephalosporin	8.8	16	12
3 rd generation cephalosporin + macrolide	34.4	14.8	9.8
Amoxicillin- clavulanic acid	20.1	14	7.2
Amoxicillin-clavulanic acid + macrolide	3.8	11.3	3.7
Fluoroquinolone**	16.6	10.4	5.6
Others	16.1	20.2	13.9

*p < 0.05.

** Levofloxacin 89.5%, moxifloxacin 5.7%, ciprofloxacin 4.8%.

Table E3 Evolution and outcome in the group of empirical treatment failure

Variable	Early failure	Late failure	p value
Mean (SD) clinical stability (days)	10.8 (8.9)	11.5 (8.3)	0.46
Complications (%)	73	62.9	0.09
Renal insufficiency (%)	24	17.3	0.2
Cardiac insufficiency (%)	17.3	19.7	0.6
Liver disease (%)	3.7	4.9	0.6
Shock (%)	19.5	9.8	0.06
Respiratory insufficiency (%)	49.6	39.5	0.1
Empyema (%)	12	12.3	0.9
ICU admission (%)	30.8	18.5	0.04
Mean (SD) length of stay (days)	15.9 (12.1)	22.7 (15.6)	<0.001
Death (%)	30.1	17.2	0.03