

Table 2 Risk factors for nosocomial pneumonia from the univariate analysis (211 cases and 633 controls)

Risk factors	No. of cases/ controls	Crude OR	95% CI
<i>Age (years)</i>			
≤ 15 ^a	38/156	1.0	
16–45	53/162	1.34	0.82–2.21
46–65	40/133	1.23	0.73–2.10
> 65	80/182	1.80	1.13–2.88*
<i>Sex</i>			
Male ^a	107/347	1.0	
Female	104/286	1.18	0.85–1.63
<i>Duration of stay in hospitals (weeks)</i>			
< 1 ^a	125/453	1.0	
1–3	44/152	1.05	0.70–1.58
> 3	42/28	5.44	3.14–9.42*
<i>Unit of admission</i>			
Medical ^a	78/369	1.0	
Surgical	50/110	2.15	1.39–3.32*
Intensive care unit	41/49	3.96	2.38–6.59*
Burns	30/46	3.09	1.77–5.36*
Other	12/59	0.96	0.47–1.95
<i>Smoking</i>			
No ^a	166/515	1.0	
Yes	45/118	1.18	0.79–1.77
<i>Inappropriate use of antibiotics</i>			
No ^a	185/586	1.0	
yes	26/47	1.75	1.02–2.99*
<i>Nasogastric tube</i>			
No ^a	175/582	1.0	
Yes	36/51	2.35	1.45–3.80*
<i>Endotracheal tube</i>			
No ^a	186/607	1.0	
Yes	25/26	3.14	1.71–5.77*
<i>Mechanical ventilation</i>			
No ^a	133/582	1.0	
Yes	78/51	6.69	4.40–10.19*
<i>Surgery^b</i>			
No ^a	204/617	1.0	
Yes	7/16	1.32	0.49–3.48
<i>Coma</i>			
No ^a	205/629	1.0	
Yes	6/4	4.60	1.14–19.59*

Table 2 Risk factors for nosocomial pneumonia from the univariate analysis (211 cases and 633 controls) (concluded)

Risk factors	No. of cases/ controls	Crude OR	95% CI
<i>Chronic obstructive pulmonary disease</i>			
No ^a	203/626	1.0	
Yes	8/7	3.52	1.15–10.93*
<i>Diabetes mellitus</i>			
No ^a	147/470	1.0	
Yes	64/163	1.26	0.88–1.79
<i>Underlying debilitating disease^c</i>			
No ^a	170/587	1.0	
Yes	41/46	3.08	1.91–4.97*
<i>Immunosuppressive drugs</i>			
No ^a	198/612	1.0	
Yes	13/21	1.91	0.89–4.09

^aReference category.
^bHead, neck, thoracoabdominal.
^cCancer, liver failure, uraemia.
*P < 0.05.
OR = odds ratio; CI = confidence interval.