

### Supplemental Digital Content 3

**Table 1. Adjustment of ARISCAT levels of risk by geographical area**

ARISCAT risk levels	Unadjusted		Adjusted with interaction	
	OR (95% CI)	<i>P</i>	OR (95% CI)	<i>P</i>
Low risk (reference)	1		1	
Intermediate risk	4.3 (3.3 – 5.5)	<0.001	5.1 (3.2 – 8.4)	<0.001
High risk	17.5 (13.3 – 23.0)	<0.001	16.4 (9.7 – 27.7)	<0.001
<b>Geographic areas</b>				
Spain (reference)	1		1	
WE	1.4 (1.1 – 1.9)	0.007	0.9 (0.6 – 1.8)	0.986
EE	1.9 (0.5 – 2.4)	<0.001	3.2 (2.1 – 5.1)	<0.001
<b>Interaction ARISCAT risk level × geographic area</b>				
Spain × low risk	–	–	1	
WE × intermediate risk	–	–	1.4 (0.7 – 2.8)	0.407
WE × high risk	–	–	3.1 (1.5 – 6.6)	0.003
EE × intermediate risk	–	–	0.7 (0.3 – 1.3)	0.311
EE × high risk	–	–	0.7 (0.3 – 1.4)	0.302

ARISCAT = Assess Respiratory Risk in Surgical Patients in Catalonia; CI = confidence interval; EE = Eastern

Europe; OR = odds ratio; WE = Western Europe.