

Additional file 5: preoperative risk index of postoperative pulmonary complications by ARISCAT score

Preoperative risk factor	Point Value
Age (year)	
≤ 50	
51–80	3
> 80	16
50-59	4
Preoperative SpO ₂ (%)	
≥ 96	
91–95	8
≤ 90	24
Respiratory infection in the last month	17
Preoperative anemia (≤ 100 g/L)	11
Surgical incision	
Peripheral	
Upper abdominal	15
Intrathoracic	24
Duration of surgery (h)	
≤ 2	
2 - 3	16
> 3	23
Emergency procedure	8

Intermediate Risk= 26–44 Points; High Risk= ≥45 Points; SpO₂= oxyhemoglobin saturation by pulse oximetry breathing air in supine position.