

**Question:** Should perioperative OSA screening vs. no OSA screening be used for prevention of respiratory complications after bariatric surgery?

Certainty assessment							N <sub>e</sub> of patients		Effect		Certainty	Importance
N <sub>e</sub> of studies	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Perioperative OSA screening	No OSA screening	Relative (95% CI)	Absolute (95% CI)		
<b>Mortality</b>												
5	observational studies	not serious	not serious	serious	not serious	none	68/34882 (0.2%)	174/60858 (0.3%)	<b>OR 3.39</b> (0.12 to 92.08)	<b>7 more per 1.000</b> (from 3 fewer to 206 more)	⊕○○○ VERY LOW	CRITICAL
<b>Pulmonary complications</b>												
7	observational studies	not serious	not serious	serious	not serious	none	1819/67481 (2.7%)	327/116601 (0.3%)	<b>OR 1.85</b> (0.46 to 7.42)	<b>2 more per 1.000</b> (from 2 fewer to 18 more)	⊕○○○ VERY LOW	CRITICAL
<b>Pneumonia</b>												
5	observational studies	not serious	not serious	serious	not serious	none	239/34328 (0.7%)	593/60665 (1.0%)	<b>OR 2.51</b> (0.68 to 9.21)	<b>14 more per 1.000</b> (from 3 fewer to 74 more)	⊕○○○ VERY LOW	IMPORTANT
<b>Cardiac complications</b>												
4	observational studies	not serious	not serious	serious	not serious	none	80/34196 (0.2%)	77/58690 (0.1%)	<b>OR 1.85</b> (0.72 to 4.75)	<b>1 more per 1.000</b> (from 0 fewer to 5 more)	⊕○○○ VERY LOW	CRITICAL

**Cardiac complications (assessed with: Atrial fibrillation)**

2	observational studies	not serious	not serious	serious	not serious	none	623/33814 (1.8%)	698/58011 (1.2%)	<b>OR 1.51</b> (1.36 to 1.69)	<b>6 more per 1.000</b> (from 4 more to 8 more)	⊕○○○ VERY LOW	CRITICAL
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**Length of Stay**

5	observational studies	not serious	not serious	serious	not serious	none	33787	59475	-	<b>MD 0.69 days higher</b> (0.17 lower to 1.57 higher)	⊕○○○ VERY LOW	IMPORTANT
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**Hypoxemia (assessed with: SpO2 (%) day 0,1( mean, SD))**

3	observational studies	not serious	not serious	serious	not serious	none	395	833	-	<b>MD 3.8 % lower</b> (5.38 lower to 2.21 lower)	⊕○○○ VERY LOW	CRITICAL
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**CI:** Confidence interval; **OR:** Odds ratio; **MD:** Mean difference