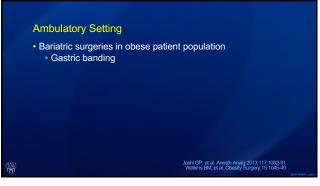


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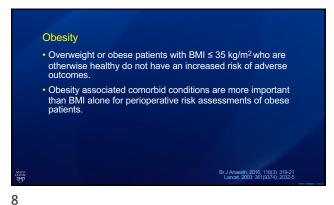


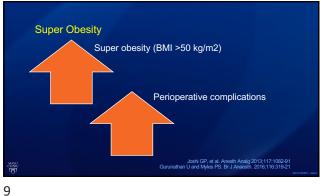
Independent Risk Factors for Perioperative Morbidity

Obese BMI
Chronic obstructive pulmonary disease
History of transient ischemic attack or stroke
Hypertension
Previous cardiac surgical intervention
Prolonged operative time

5 6

















Morbid Obesity-Related Co-Morbidities Cardiovascular disease • Type 2 diabetes mellitus (DM) Hypertension • Stroke Dyslipidemia Osteoarthritis Some cancers • Obstructive Sleep Apnea (OSA)

Obstructive Sleep Apnea (OSA) OSA alone is not a determinant of perioperative complication Increased incidence of HypertensionArrhythmiasHeart failure Pulmonary hypertensionNeurocognitive dysfunction

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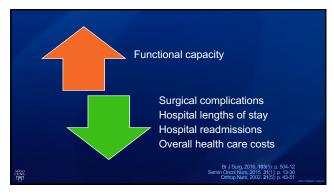
Institutional Guidelines 1. Preoperative medical optimization 2. Patient selection 3. Perioperative management 4. Postoperative care



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Functional Capacity

• Poor preoperative functional capacity

> Additional testing

> Specialty consults

> Preoperative medical optimization

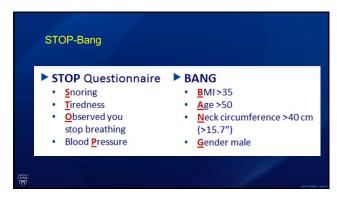
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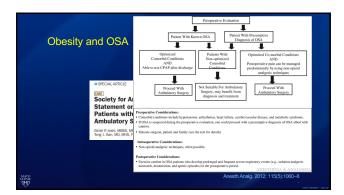


The Society for Ambulatory Anesthesia (SAMBA)
Consensus Statement

• Preoperative selection of adult patients with OSA
• STOP-Bang criteria for preoperative OSA screening
• OSA is suspected → proceed with a presumptive diagnosis of OSA
• Consideration of a patient's co-morbid conditions during the patient selection process

23 24





Patient Selection

• Severity of co-morbidities
• Invasiveness of the surgery
• Anesthetic techniques
• Availability of difficult airway equipment
• Postoperative pain relief

Perioperative Management

• Short-acting anesthetics

• Prophylaxis for common complications

• Postoperative nausea & vomiting

• Pain

Josh GP, et al. Anesth Analg 2012;115:1660-8

27 28

Perioperative Management

Invasive procedures

Postoperative pain
Requiring a large quantity of opioids
may not be suitable for morbidly obese patients with OSA undergoing ambulatory surgery.

John GP, et al. Anesth Analg. 2012;115:1060-8

Challenges for Perioperative Management

OSA patients with specific medical conditions that do not allow the utilization of local/regional analgesia or non-opioid medications

OSA patients who cannot utilize CPAP or BiPAP due to the ambulatory surgeries performed

Resources/equipment availability

Difficult IV placement

29 30

