



Outpatient • Office Based • Non-Operating Room

@samba_hq

SAMBA 2024 Annual Meeting

May 2-4, 2024



When Should NORA become ORA?

Michael O'Rourke, MD, FASA
Professor, Loyola University Chicago
Anesthesiologist, Edward Hines, Jr VA Hospital
Michael.orourke1@va.gov

1

Disclosures

- I have no actual or potential conflict of interest in relation to this presentation.
- My words are my own and do not represent the official views of the Veteran Health Administration or the United States government



Outpatient • Office Based • Non-Operating Room

www.SAMBAhq.org

SAMBA 2024 Annual Meeting • May 2-4, 2024

@samba_hq

2

Learning Objectives

- Describe challenges associated with providing safe anesthesia care for patients at NORA locations
- Discuss patient factors that could necessitate a change from NORA to a procedure performed in an operating room
- Formulate a path for safe patient care at NORA locations at your individual facility or hospital

SAMBA 2024 Annual Meeting • May 2-4, 2024

@samba_hq

3

NORA sites



SAMBA 2024 Annual Meeting • May 2-4, 2024

@samba_hq

4

NORA sites



- APSF:
 - “These recommendations apply to the provision of anesthesia or sedation in NORA locations, which include, but are not limited to, non-OR procedural areas in the inpatient **and outpatient settings, including office-based areas like dentistry.**
- ASA:
 - This statement applies to Non-Operating Room Anesthesia (NORA) services defined as care provided by anesthesiology personnel for inpatients/outpatients undergoing diagnostic or therapeutic procedures performed at locations outside an operating room pavilion **within the hospital.**

Beard JW, et al. APSF Newsletter. 2023;38:67,72–75.

<https://www.asahq.org/standards-and-practice-parameters/statement-on-nonoperating-room-anesthesia-services>

SAMBA 2024 Annual Meeting • May 2-4, 2024

@samba_hq

5

NORA sites



Table1: Locations for Non-Operating Room Anesthesia (NORA) Services

Gastroenterology Endoscopy Suite	MRI suite (Diagnostic, and surgical)
Interventional Radiology areas including CT	Nuclear Medicine department
Bronchoscopy Suite	Electroconvulsive therapy at PACUs or other locations
Cardiac Catheterization Lab	Pain Management procedure rooms
Electrophysiology Lab	

<https://samba.memberclicks.net/assets/Formatted%20NORA%20Article%207.25.19.pdf>

SAMBA 2024 Annual Meeting • May 2-4, 2024

@samba_hq

6

APSF Consensus Recommendations



PREPROCEDURAL CARE AND PATIENT SELECTION

1. A preprocedural evaluation process shall be established based on the ASA Practice Advisory for Preanesthesia Evaluation and emerging best practice.
2. Adult and pediatric patient comorbidities should be identified which require specialized preoperative evaluation or necessitate procedural care in an inpatient facility.
3. Adult and pediatric patients with elevated BMI or a diagnosis or suspected diagnosis of OSA should be evaluated on a case-by-case basis for suitability for the planned procedural location and management plan.
4. Before each procedure, a timeout shall be conducted per The Joint Commission Universal Protocol or according to the facility protocol including site marking and laterality as indicated.
5. Appropriate education shall be provided to team members for new or unfamiliar procedure types, and specific aspects of the case shall be reviewed with NORA staff.
6. All patients should be assessed for fall and venous thromboembolism risk and treated appropriately.



Beard JW, et al. APSF Newsletter. 2023;38:67,72-75.

SAMBA 2024 Annual Meeting • May 2-4, 2024

@samba_hq

7

3. Adult and pediatric patients with elevated BMI or a diagnosis or suspected diagnosis of OSA should be evaluated on a case-by-case basis for suitability for the planned procedural location and management plan.

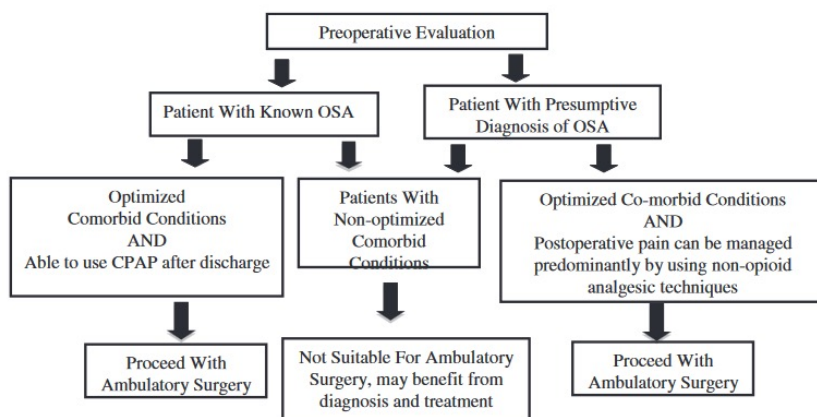


Figure 2. Decision making in preoperative selection of a patient with obstructive sleep apnea scheduled for ambulatory surgery. OSA = obstructive sleep apnea; CPAP = continuous positive airway pressure.

Joshi GP, et al. Anesth Analg. 2012 Nov;115(5) PMID: 22886843.

SAMBA 2024 Annual Meeting • May 2-4, 2024

@samba_hq

8

CAUTION
AIRWAY DISASTER
AHEAD



SOCIETY FOR
SAMBA ULATORY
NESTHESIA
Outpatient • Office Based • Non-Operating Room
www.SAMBAhq.org

SAMBA 2024 Annual Meeting • May 2-4, 2024  @samba_hq

9

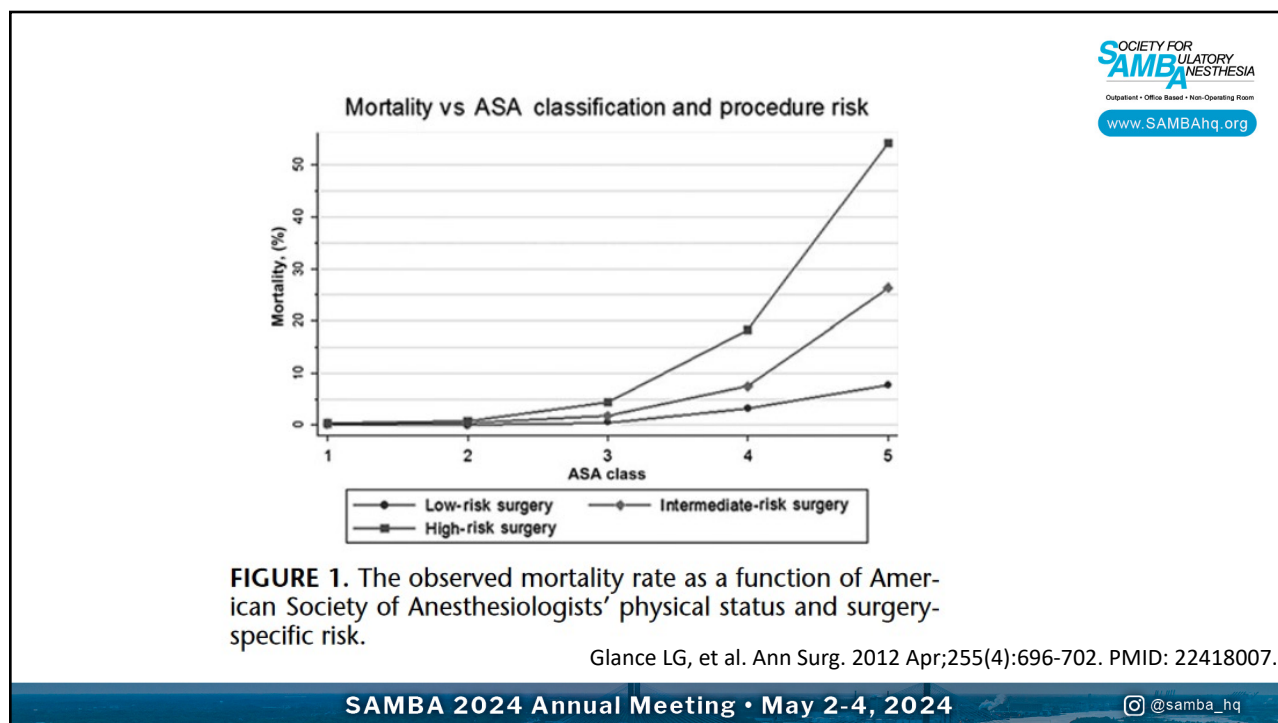
Who is at risk?



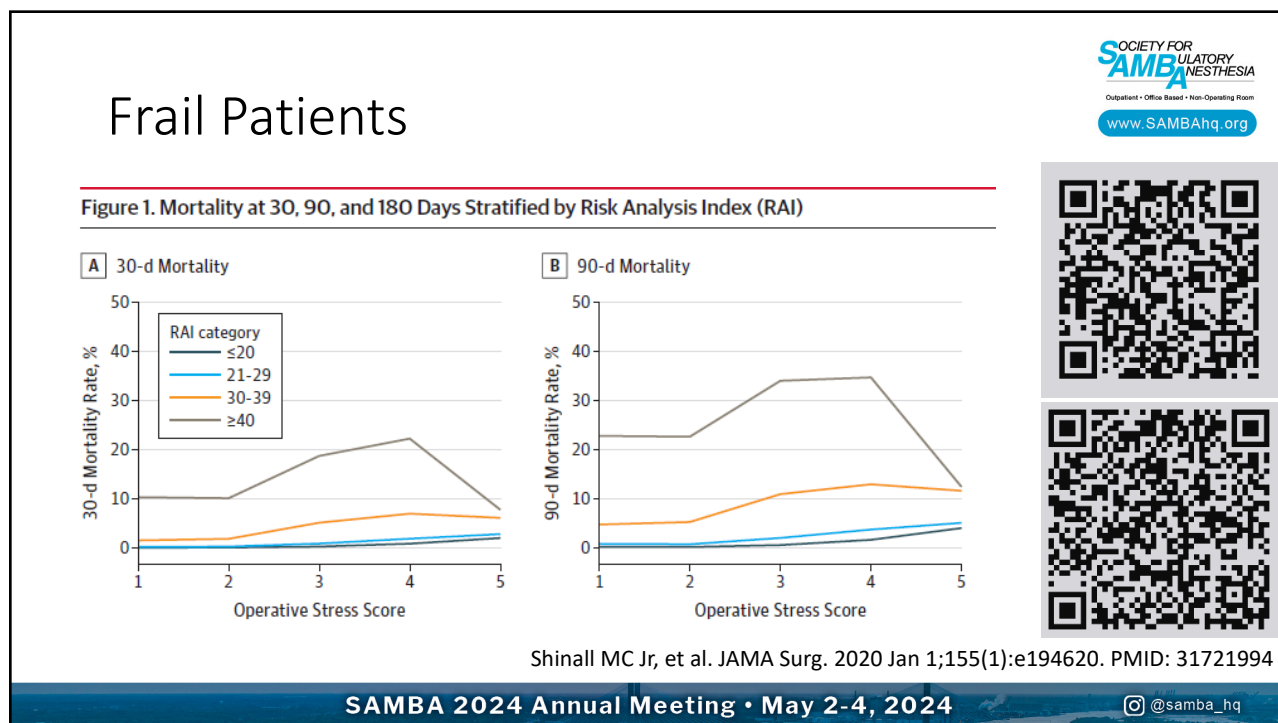
SOCIETY FOR
SAMBA ULATORY
NESTHESIA
Outpatient • Office Based • Non-Operating Room
www.SAMBAhq.org

SAMBA 2024 Annual Meeting • May 2-4, 2024  @samba_hq

10



11



12

NORA Patients



- Preoperative Risk Assessment
 - To what degree are comorbid conditions optimized?
 - Is the patient appropriate for NORA?
- Some patients may be appropriate for NORA but require individualized care plans
 - ASA III/IV
 - Elevated BMI or history of OSA
 - Difficult Airway
 - Frail patients

SAMBA 2024 Annual Meeting • May 2-4, 2024

@samba_hq

13

Thank you!



- Michael O'Rourke, MD, FASA
- Michael.orourke1@va.gov

SAMBA 2024 Annual Meeting • May 2-4, 2024

@samba_hq

14