

**SASM Guideline on Preop Screening  
and Assessment of Patients with  
Sleep Disordered Breathing**

Frances Chung MBBS FRCPC  
Dept. of Anesthesiology  
Toronto Western Hospital  
University Health Network  
University of Toronto

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**SASM guideline**

- American Society of Anesthesiologists 2014, 2006
- Society for Ambulatory Anesthesia 2012
- American College of Chest Physicians 2012
- Canadian Anesthesiologists' Society 2010
- American Academy of Sleep Medicine 2003

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**SASM task force**

- **SASM Guideline Task Force (24 members)**
- **Frances Chung (Chair)**
- **Dennis Auckley (Co-Chair)**
- Najib Ayas Nancy Collop, Crispiana Cozowicz, Anthony Doufas, John Fleetham, Matthias Eikermann, Bhargavi Gali, Peter Gay, David Hillman, Girish Joshi, Roop Kaw, Eric Kezirian, Atul Malhotra, Stavros Memtsoudis, Babak Mokhlesi, Mahesh Nagappa, Mathias Opperer, Sai Parthasarathy, Sara Patrawala, Satya Krishna Ramachandran, Tracey Stierier, Frank Wappler.

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**SASM guideline on preop assessment**

- **Does a diagnosis of obstructive sleep apnea change outcomes?**  
Stavros Memtsoudis (leader)
- **Preoperative Assessment -**  
Satya Krishna Ramachandran (leader)  
Frances Chung (co-leader)
- **Preoperative Preparation -**  
Dennis Auckley (leader)  
Frances Chung (co-leader)

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Hospital for Special Surgery  
Weil Cornell Medical College

**Crispiana Cozowicz MD**



**Mathias Opperer MD**



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**University of Michigan**  
Sara Patrawala MD



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University of Toronto  
Mahesh Nagappa MBBS



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### SASM guideline on preop assessment

- Research librarian
- Literature search was performed from 1946 to Nov 16, 2014 according to the PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-analysis)
- PubMed-Medline
- Embase
- Cochrane Central Register of Controlled Trials
- Cochrane Database of Systematic Reviews
- Health Technology Assessment (4<sup>th</sup> Quarter 2013).

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### SASM guideline on preop assessment

- All included studies were graded for strength of evidence
- According to the Scottish Intercollegiate Guideline Network (SIGN)
- Groups met via teleconference and face to face meetings
- Recommendations were developed by task force using the Delphi method to collect comments from individuals on the evidence.

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### Level of evidence

- **Quality Level**                      **Definitions**
- High:      Very confident that the true effect lies close to that of the estimate of the effect
- Moderate: Moderately confident in the effect estimate

Modified from Balshem H J et al. Clin Epid 2011;64: 401-406

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### Level of evidence

- **Quality Level**                      **Definitions**
- **Low:** Confident in the effect estimate is limited
- **Very low:** Very little confidence in the effect estimate

Modified from Balshem H J et al. Clin Epid 2011;64: 401-406

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### SASM guideline on preop assessment

- **Strong recommendations:** All or almost all informed people would make the recommended choice for or against an intervention.
- **Weak (discretionary) recommendation:** Most informed people would choose the recommended course of action, but a substantial number would not.
- Clinicians need to devote time on decision making process. Ensure pts. understand the implications of their choices.

Andrews J et al. J Clin Epid 2013;66: 719-725

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