**Supplemental Appendix A.** Consensus Conference Methodology

## *Ethical Considerations*

Recommendation drafting, review, and conference attendance was through elective participation. There were no individuals who were denied the opportunity to review the recommendations, submit comments, or attend the conference itself. Neither informed consent nor IRB approval were needed for this voluntary activity which excluded patient and health information.

## *Inclusion Criteria*

Conference speakers were invited based on expertise in different aspects of clinical or administrative practice in the NORA environment. Speakers and moderators came from diverse backgrounds including anesthesiology, surgery, cardiology, gastroenterology, and radiology in both private practice and academic environments. The conference planning committee included anesthesiologists, nurse anesthetists, anesthesiologist assistants, and a representative from the medical technology industry. The conference audience attended in-person and virtually and came from various professional backgrounds including clinical practice, industry, professional societies, and academia. In total, there were 19 speakers, 103 in-person attendees, and 47 virtual attendees. Speakers received honoraria for participation and reimbursement for travel and hotel expenses.

*Exclusion Criteria*

In-person conference attendance was limited to 120 participants. There were no limits on virtual attendance.

## *Consensus Development Process*

This consensus development effort consisted of multiple review and comment rounds, structured as a modified Delphi process to ensure broad participation. Reviews took place prior to the 2022 APSF Stoelting Conference, at the conference, and after the conference. The sequential steps in the development of the recommendations are detailed in Table 2.

*Modified Delphi process for creation of consensus recommendations for the safe conduct of anesthetic care in NORA.*

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| Step | Process |
| 1 | A first draft of recommendations was created by drawing from professional society statements and medical literature. This draft was shared with stakeholder groups comprised of members of APSF. The survey assessed consensus with recommendations and enabled the respondent to agree, disagree, or suggest removal of a statement in its entirety. Respondents also had the opportunity to suggest alternative wording and feedback on the recommendations through a free text field within the survey tool. |
| 2 | The Stoelting Conference Planning Committee provided the initial review of the first draft, conducted discussion and revision, and produced the second draft.  |
| 3 | The second draft was delivered to the conference speakers as a survey. The responses and comments were used to create a third draft. |
| 4 | The third draft of recommendations was shared with all conference attendees as a survey and was used to create the fourth draft. |
| 5 | The Stoelting Conference included in-person and virtual breakout sessions with each program session. During the breakout groups, participants discussed the fourth draft of the NORA recommendations. At the end of the first and second conference days, an open discussion of the recommendations covered in the breakouts was undertaken. This feedback was used to add, modify, or eliminate recommendation statements to be voted on in the final conference section. In the final conference section, each recommendation was displayed as a PowerPoint slide with discussion followed by a vote of yes or no in support of the statement.  |
| 6 | The final voting session responses were used to create a fifth draft of the recommendations. This draft was shared with the conference planning committee to collect suggested revisions and comments. This feedback was used to create the sixth draft.  |
| 7 | The sixth draft was shared to subject matter experts identified by the planning committee for contributions to the field, conference participation, diversity of experience, and clinical expertise. This group included inpatient anesthesiologists, outpatient/office-based anesthesiologists, anesthesiologist assistants, nurse anesthetists, and health system administrators. This review was used to create the seventh draft.  |
| 8 | Final review of the seventh draft by conference attendees was completed, which resulted in the eighth draft of the APSF NORA practice recommendations. |
| 9 | The planning committee undertook a final review and editing of the recommendations to create the ninth and final consensus NORA practice recommendations finalized. |

APSF, Anesthesia Patient Safety Foundation; NORA, non-operating room anesthesia

**2023 Stoelting Conference Speaker List**

Daniel J. Cole, MD

*President, Anesthesia Patient Safety Foundation*

*Professor of Clinical Anesthesiology, University of California, Los Angeles*

Brian J. Thomas, JD

*Member, Board of Directors, Anesthesia Patient Safety Foundation*

*Vice President of Risk Management, Preferred Physicians Medical*

Emily Methangkool, MD, MPH

*Associate Professor of Clinical Anesthesiology, University of California, Los Angeles*

Basem B. Abdelmalek, MD, FASA, SAMBA-F

*Professor of Anesthesiology, Cleveland Clinic*

Brent Dunworth, DNP, MBA, CRNA

*Assistant Professor of Clinical Anesthesiology, Vanderbilt University*

Diana Anca, MD

*Associate Professor of Anesthesiology, Weill Cornell*

Michael L. Kochman, MD, AGAF, MASGE

*Professor of Medicine and Surgery (Gastroenterology), University of Pennsylvania*

Thomas Farrell, MD

*Interventional Radiologist, Northshore University Health System*

Sarah K. Gualano, MD, MBA

*Clinical Associate Professor of Medicine*, University of Michigan

Shane Angus, CAA, MSA

*Member, Board of Directors, Anesthesia Patient Safety Foundation*

*Assistant Professor, Case Western Reserve University*

BobbieJean Sweitzer, MD, FACP, SAMBA-F, FASA

*Professor of Anesthesiology, University of Virginia*

Fred E. Shapiro, DO, FASA

*Associate Professor of Anaesthesia, Harvard Medical School*

Rita Agarwal, MD, FAAP, FASA

*Clinical Professor of Anesthesiology, Stanford University*

Patty Mullen Reilly, CRNA

*Member, APSF Board of Directors*

*Clinical Research and Medical Science Team, Medtronic*

Jonathan P. Wanderer, MD, M.Phil, FASA, FAMIA

*Professor of Anesthesiology and Biomedical Informatics, Vanderbilt University*

George Gilkey, MD

*Assistant Professor of Anesthesiology, Mayo Clinic Rochester*

Girish P. Joshi, MBBS, MD, FCAI, FASA

*Professor of Anesthesiology and Pain Management, University of Texas Southwestern Medical Center*

Elizabeth Rebello, MD, FASA, CPPS

*Member, APSF Board of Directors*

*Professor of Anesthesiology and Perioperative Medicine, University of Texas MD Anderson Cancer Center*

Jeff Cooper, PhD

*Professor of Anaesthesia, Harvard Medical School and Massachusetts General Hospital*

Amy E. Vinson, MD, FAAP

*Assistant Professor of Anaesthesia, Harvard Medical School*

Lynn Reede, DNP, MBA, CRNA, FNAP

*Member, APSF Board of Directors*

*Associate Clinical Professor, Northeastern University*

Richard Urman, MD, MBA, FASA

*Professor of Anesthesiology, The Ohio State University*

Aman Mahajan, MD, PhD, MBA

*Professor of Anesthesiology, University of Pittsburgh*

Piyush Mathur, MD, FCCM, FASA

*Anesthesiologist and Intensivist, Cleveland Clinic*

Monty Mythen, MBBS, MD, FRCA, FFICM, FCAI (HON)

*Emertius Professor of Anaesthesia and Critical Care, University College London*

Patricia Fogarty Mack, MD, FASA

*Professor of Clinical Anesthesiology, Weill Cornell*

John (JW) Beard, MD

*Member, APSF Board of Directors*

*Chief Medical Officer, GE Healthcare – Patient Care Solutions*