



Mayo Clinic Symposium on Anesthesia and Perioperative Medicine

March 6-9, 2019

PROGRAM SCHEDULE

Wednesday, March 6, 2019

Moderator - Daniel R. Brown, M.D., Ph.D.

6:15 a.m. Registration and Continental Breakfast

7:00 a.m. **Perioperative Conundrums – What Would You Do?**

Daniel R. Brown, M.D., Ph.D., Nathan D. Peffley, M.D., Charles R. Sims, III, M.D.

Objective: Describe optimal vasopressor management in acute sepsis

AANA Code: Scientific Foundations – Research and Evidence-Based Practice

8:00 a.m. **Anesthesia for ischemic stroke revascularization**

Jeffrey J. Pasternak, M.D.

Objective: Determine optimal anesthetic management of patients undergoing ischemic stroke revascularization

AANA Code: Intraoperative Management – Neurophysiology, Neuropathophysiology, Neuropsychiatry, Neuroanesthesia

8:30 a.m. **Is my patient weak? Improving care through advances in neuromuscular monitoring**

J. Ross Renew, M.D.

Objective: Differentiate current monitoring techniques for neuromuscular blockade

AANA Code: Scientific Foundations – Neuromuscular Blocking Agents, Reversal Agents and Their Monitoring

9:00 a.m. **Cannabliss or cannabyss: The current state of cannabinoids for pain management**

Thomas P. Pittelkow, D.O., M.P.H.

Objective: Discuss the role of cannabinoids in pain management

AANA Code: Postoperative Management – Pain Management

9:30 a.m. Q&A Panel Discussion

9:45 a.m. Break

10:15 a.m. **What would you do? Obstetric anesthesia conundrums**

Hans P. Sviggum, M.D.

Objective: Differentiate the risks and benefits of analgesic options following cesarean delivery

AANA Code: Intraoperative Management – Obstetric and Gynecologic Anesthesia

10:45 a.m. **Challenging cases in the GI suite**

Matthew N. Vogt, M.D.

Objective: Review criteria for screening patients to undergo outpatient procedures

AANA Code: Intraoperative Management – Anesthesia in Remote Locations

11:15 a.m. **Sub-anesthetic ketamine for perioperative analgesia**

Andrew Gorlin, M.D.

Objective: Discuss the efficacy of perioperative subanesthetic ketamine use

AANA Code: Postoperative Management – Pain Management

11:45 a.m. Q&A Panel Discussion

12:00 p.m. General Session Adjourns

Thursday, March 7, 2019

Moderator - Archer K. Martin, M.D.

6:45 a.m. Registration and Continental Breakfast

7:00 a.m. Breakfast with the Professor

Faculty: Hans P. Sviggum, M.D., Matthew N. Vogt, M.D., J. Ross Renew, M.D., Andrew W. Gorlin, M.D., Nathan D. Peffley, M.D., Charles R. Sims, M.D.

8:00 a.m. **Go ahead and put me to sleep, just don't give me any of that ANESTHESIA: What to do for our patients concerned about postoperative cognitive changes?**

Karl A. Poterack, M.D.

Objective: Examine the influence of anesthesia on the development of dementia

AANA Code: Scientific Foundations – Research and Evidence-Based Practice

8:30 a.m. **Demystifying echocardiographic-driven fluid responsiveness in the perioperative setting**

Arun L. Jayaraman, M.D., Ph.D.

Objective: Examine current perioperative fluid management recommendations

AANA Code: Technology – Hemodynamic monitoring including transesophageal echo

9:00 a.m. **Perioperative plasma transfusion: an update for anesthesia providers**

Matthew A. Warner, M.D.

Objective: Examine current recommendations about perioperative plasma transfusion

AANA Code: Intraoperative Management – Fluid and Hematology Management under Anesthesia

9:30 a.m. Q&A Panel Discussion

9:45 a.m. Break

10:15 a.m. **Update in pediatric anesthesiology**

Michael E. Nemergut, M.D., Ph.D.

Objective: Describe current evidence on appropriate perioperative pediatric pain management

AANA Code: Intraoperative Management – Pediatric Anesthesia

10:45 a.m. **The impact of perioperative adverse events on anesthesia providers**

Robyn E. Finney, APRN, CRNA, DNAP

Objective: Describe second victim phenomenon and identify new initiatives to mitigate the impact of adverse events on well-being

AANA Code: Professional Aspects – Staff Development

11:15 a.m. **Rapid, Practical Perioperative Ultrasound Use – Why it takes longer to find the ultrasound machine and turn it on, than it does to find a diagnosis**

Robert A. Ratzlaff, D.O.

Objective: Describe the perioperative indications and uses of ultrasound in the hypotensive and hypoxic patient

AANA Code: Intraoperative Management – Cardiovascular Anatomy, Physiology, Pathophysiology, and Anesthesia Management

11:45 a.m. Q&A Panel Discussion

12:00 p.m. General Session Adjourns

12:15 – 4:00 p.m. **POCUS Hands-on Workshop (Optional, additional registration fee to attend.)**

Faculty: Misty A. Radosevich, M.D., Ryan C. Craner, M.D., Arun L. Jayaraman, M.D., Ph.D., Robert A. Ratzlaff, D.O., Carla P. Venegas-Borsellino, M.D.

Friday, March 8, 2019

Moderator - Harish Ramakrishna, M.D.

6:45 a.m. Registration and Continental Breakfast

7:00 a.m. Breakfast with the Professor

Faculty: Karl A. Poterack, M.D., Matthew A. Warner, M.D., Michael E. Nemergut, M.D., Ph.D., Robyn E. Finney, APRN, CRNA, DNAP

8:00 a.m. **Resuscitation status in the perioperative environment: Doesn't my patient have to be a Full Code?**

Jeffrey B. Jensen, M.D.

Objective: Identify current recommendations about maintaining perioperative code status

AANA Code: Professional Aspects – Ethics of Anesthesia Care

8:30 a.m. **Is it time to save the best for last? Revisiting the interscalene block for shoulder surgery**

Jason K. Panchamia, D.O.

Objective: Discuss analgesic strategies for shoulder surgery

AANA Code: Intraoperative Management – Regional Anesthesia: Peripheral Nerve Blocks

9:00 a.m. **Neuro gadgets and non-neuro surgery**

Tasha L. Welch, M.D.

Objective: Discuss the management of deep brain stimulators in non-neurologic surgery

AANA Code: Technology – Miscellaneous Equipment and New Technology

9:30 a.m. Q&A Panel Discussion

9:45 a.m. Break

10:15 a.m. **Pitfalls in cognition: Why do smart people make mistakes?**

George D. Gilkey, M.D.

Objective: Define common cognitive biases and their manifestations in anesthesiology

AANA Code: Professional Aspects – Staff Development

10:45 a.m. **Quality in anesthesia: Searching for meaningful data**

Ryan C. Craner, M.D.

Objective: Identify strategies to implement quality improvement projects in anesthesia practice

AANA Code: Professional Aspects – Practice Management

11:15 a.m. **Breastfeeding and anesthesia**

Sarah E. Dodd, M.D.

Objective: Examine current evidence on breastfeeding after sedation and anesthesia

AANA Code: Postoperative Management – Discharge Care

11:45 a.m. Q&A Panel Discussion

12:00 p.m. Day Adjourns

Saturday: March 9, 2019

Moderator – Adam K. Jacob, M.D.

6:45 a.m. Registration and Continental Breakfast

7:00 a.m. Breakfast with the Professor

Faculty: Jeffrey B. Jensen, M.D., Jason K. Panchamia, D.O., Tasha L. Welch, M.D., George D. Gilkey, M.D., Ryan C. Craner, M.D., Sarah E. Dodd, M.D.

8:00 a.m. **Anesthetic exposure and the developing brain; Emerging clinical evidence**

Randall Flick, M.D., M.P.H.

Objective: Examine the influence of anesthesia on pediatric brain development

AANA Code: Scientific Foundations – Research and Evidence-Based Practice

8:30 a.m. **Emerging truncal plane blocks**

Robert L. McClain, M.D.

Objective: Describe emerging truncal blockade techniques

AANA Code: Postoperative Management – Pain Management

9:00 a.m. **Preventing maternal mortality in 2019**

Katherine W. Arendt, M.D.

Objective: Recognize how to prevent and treat the causes of maternal death

AANA Code: Intraoperative Management – Obstetric and Gynecologic Anesthesia

9:30 a.m. Q&A Panel Discussion

9:45 a.m. Break

10:15 a.m. **ECMO: Peeking inside the “Black Box”**

Troy G. Seelhammer, M.D.

Objective: Discuss the key elements of extracorporeal membrane oxygenation

AANA Code: Technology – Ventilators/ECMO and other respiratory adjuncts

10:45 a.m. **Anesthetic management of patients with congenital heart disease undergoing non-cardiac surgery**

Elena Ashikhmina, M.D., Ph.D.

Objective: Describe management strategies for patients with congenital heart disease undergoing noncardiac surgery

AANA Code: Intraoperative Management – Cardiovascular Anatomy, Physiology, Pathophysiology, and Anesthesia Management

11:15 a.m. **Update on anesthesia for liver surgery**

David M. Rosenfeld, M.D.

Objective: Identify key management principles of hepatobiliary surgery

AANA Code: Intraoperative Management – Hepatobiliary and Gastrointestinal Disorders and Anesthesia

11:45 a.m. Q&A Panel Discussion

12:00 p.m. Course Adjourns