

ISAP 29th Annual Meeting

*Pharmacological Considerations
of ERAS Protocols*



Friday, October 2nd, 2020
Virtual Meeting
0830–1645 U.S. Eastern Time

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2020 | www.isaponline.org

29th Annual Meeting Schedule

0830 – 1030..... **Interactive ISAP Workshop 2020**

Practical Concepts of Anesthetic Pharmacology for The Benefit of Your Patient.
A practical course that will improve your skills for anesthetic drug administration.

This two-hour interactive workshop is intended for residents and consultants in anesthesia who would like to learn about methods of drug titration that can result in a more controlled condition of the patient, both during induction, maintenance and recovery of anesthesia. Two experienced workshop presenters Steve Shafer, MD, Stanford, USA, and Hugo Vereecke, MD, PhD, Groningen, The Netherlands, will share their knowledge and discuss basic concepts of anesthetic pharmacology that can be applied easily in clinical practice to the benefit of your patient.

The learning objective: To obtain skills for adapting drug titration towards available pharmacological evidence.

Workshop Concept: By interacting with the audience, practical problems that may occur in clinical practice will be shared and discussed. After this workshop the attendants will have learned the importance of concepts such as “time to peak effect” and “context sensitive half-time” and how to apply these in clinical practice. Technological solutions that assist in individualizing the drug titration during a balanced anesthesia will be discussed. The concept of “effect-site concentration” will be used and explained as an easy tool to understand the time course of drug effect related to different titration techniques.

Workshop presenters: Steve Shafer, MD, Stanford University, CA, USA & Hugo Vereecke, MD, PhD, University of Groningen, The Netherlands

This workshop will also be presented Thursday, October 1, 2020 - 2100-2300 (EASTERN US TIME)

1030 – 1230..... **Session 1 - Tailoring Your Anesthetic to Promote Enhanced Recovery**

1030 – 1130..... **Depth of Anesthesia and Adverse Outcomes After Major Surgery**
Kate Leslie, MD, FANZCA

1130 – 1230..... **ERAS & Opioids: The Good, The Bad, & The Ugly**
Engy T. Said, MD & Rodney A. Gabriel, MD, MAS

1230 – 1430..... **Session 2 - Strategies to Avoid Post-Operative Delirium**

1230 – 1330..... **Perioperative Strategies to Prevent Postoperative Delirium**
Lis Evered, BSc, PhD

1330 – 1430..... **Best Practices in Prevention of Postoperative Delirium: Avoidance of Beers Criteria Medications**
Anne Donovan, MD

1430 – 1600..... **Moderated Poster Session**

1600 – 1645..... **Keynote Speaker & Lifetime Achievement Awardee**
The Impact of Clinical Pharmacology on My Academic Career
Tom Krejcie, MD

1645 – 1730..... **Virtual Reception**

Planning Committee

Jerry Ingrande, MD, MS
 Associate Clinical Professor
 Department of Anesthesiology
 University of California, San Diego School of Medicine, La Jolla, CA, USA

Hugo E.M. Vereecke, MD, PhD
 Assistant Professor, University Medical Center Groningen, University of Groningen, Groningen, The Netherlands
 AZ Sint-Jan Brugge-Oostende AV, Brugge, Belgium

Speakers

Anne Donovan, MD
 Associate Clinical Professor
 Department of Anesthesia and Perioperative Care, Division of Critical Care Medicine
 University of California, San Francisco, CA, USA

Lis Evered, BSc, PhD
 Visiting Associate Professor of Neuroscience
 Research in Anesthesiology, Department of Anesthesiology
 Visiting Associate Professor of Neuroscience in Anesthesiology, Feil Family Brain and Mind Research Institute
 Weill Cornell Medicine, New York, USA
 St. Vincent's Hospital, Melbourne, Australia
 University of Melbourne, Australia

Rodney A. Gabriel, MD, MAS
 Associate Professor of Anesthesiology
 Associate Adjunct Professor of Biomedical Informatics
 Chief, Division of Regional Anesthesia and Acute Pain Medicine
 Medical Director, Komar Outpatient Pavilion
 University of California, San Diego, CA, USA

Tom C. Krejcie, MD
 Professor of Anesthesiology and Associate Chief Medical Officer
 Northwestern University Feinberg School of Medicine and Northwestern Medicine, Chicago, IL, USA

Kate Leslie MD FANZCA
 Professor, Department of Anaesthesia and Pain Management
 Royal Melbourne Hospital, Melbourne, Australia

Engy T. Said, MD
 Associate Clinical Professor & Clinical Director, Acute Pain Service
 Department of Anesthesiology, Division of Regional Anesthesia and Acute Pain
 University of California, San Diego, CA, USA

Steve Shafer, MD
 Professor of Anesthesiology, Perioperative and Pain Medicine
 Stanford University Medical Center, Stanford, CA, USA

Hugo E.M. Vereecke, MD, PhD
 Assistant Professor, University Medical Center Groningen, University of Groningen, Groningen, The Netherlands
 AZ Sint-Jan Brugge-Oostende AV, Brugge, Belgium

The ISAP Interactive Workshop 2020 will be presented twice. Register for ONE of the workshop times under **WORKSHOP ATTENDANCE on registration form.**

- **Thursday, October 1, 2020 - 2100-2300 (EASTERN US TIME)**
- **Friday, October 2, 2020 - 0830-1030 (EASTERN US TIME)**

- Continuing Medical Education credits
- Registration and course materials

Save the Date

ISAP 30th Annual Meeting October 8, 2021 • San Diego, CA

29th Annual Meeting Friday, October 2nd, 2020 • Virtual Meeting



Workshop Target Audience: This program is designed for an international audience of general anesthesiologists, residents in anesthesia and specialty physicians who want to learn about practical applicable pharmacological knowledge for an improved predictability of anesthetic effect.

Objectives of the Workshop: After attending this interactive workshop you should be able to:

1. Describe the basic pharmacological concepts that every anesthesiologist should know to improve his/her drug titration skills both for single drug administration as for balanced anesthesia using multiple intravenous drugs and/or volatile agents.
2. Understand how pharmacological models of drug effect can assist the clinician to improve the induction, maintenance and recovery of anesthesia according to the available evidence.
3. Learn about practical solutions to apply the theoretical concepts into daily clinical practice.

Practice Gaps Workshop

- For commonly used anesthetic drugs, there are useful pharmacokinetic-dynamic models available that relate a dose to several desired effects. However, it remains a challenge to apply the provided evidence in practice.
- Target controlled infusion pumps that titrate towards effect-site concentration are currently not available for clinical use in the USA. Alternative solutions to cope with this limitation are less well known.
- It is not common knowledge how a prediction of anesthetic effect derived from a population can be made valuable for individual patients also.

Satisfactory Completion: Learners must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

Physicians: In support of improving patient care, this activity has been planned and implemented by Amedco LLC and the International Society of Anaesthetic Pharmacology (ISAP). Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Credit Designation Statement: Amedco LLC designates this live activity for a maximum of 7.25 *AMA PRA Category 1 Credits*™. Learners should claim only the credit commensurate with the extent of their participation in the activity.

Program Target Audience: This program is designed for an international audience of general anesthesiologists, and anesthesiologists with a special interest in clinical pharmacology and technology.

Objectives of the Program: After attending this program you should be able to:

1. Understand the uses and potential benefits of using depth of anesthesia monitors on patient outcomes post-surgery
2. Discuss the pros/cons of using opioids as part of a balanced anesthetic
3. Understand how the use of or omission of opioids impacts patient recovery
4. Describe the causes of post-operative delirium and understand which medications may potentiate this outcome

Practice Gaps Program

- Enhanced recovery after surgery guidelines have included opioid-sparing techniques. A better understanding of how opioid minimization benefits patient recovery, if at all, is prudent.
- Improved anesthetic outcomes may be achieved through depth of anesthesia monitoring.
- A better understanding of how to identify patients at risk for post-operative delirium and the effects of anesthesia on post-operative delirium is necessary.
- Avoidance of specific medications may be justified for patients at risk for post-operative delirium.



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Participant Notification

We acknowledge the potential presence of limitations on information, including, but not limited to: data that represents ongoing research; interim analysis; preliminary data; unsupported opinion; or approaches to care that, while supported by some research studies, do not represent the only opinion or approach to care supported by research.