

Friday, September 11, 2020

FRIDAY 9:00 am - 11:45 am EDT

[Track I – ICPNT Crisis Management Didactic Course MOCA 2.0® – Patient Safety](#)

Moderators: Rafi Avitsian, MD, FASA; W. Andrew Kofke, MD, MBA, FNCS

Presenters: Amie Hoefnagel, MD; John F. Bebawy, MD; Chanhung Z. Lee, MD, PhD; Rafi Avitsian, MD, FASA; Jamie L. Uejima, MD

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| 9:00 AM – 9:20 AM EDT | Intraoperative Brain Swelling Amie Hoefnagel, MD |
| 9:20 AM – 9:40 AM EDT | Intraoperative Aneurysm Rupture John F. Bebawy, MD |
| 9:40 AM – 10:00 AM EDT | Intraoperative Seizure Chanhung Z. Lee, MD, PhD |
| 10:00 AM – 10:25 AM EDT | Questions & Answers |
| 10:25 AM – 10:35 AM EDT | Break and Visit Exhibit Hall |
| 10:35 AM – 10:55 AM EDT | Autonomic Dysreflexia Rafi Avitsian, MD, FASA |
| 10:55 AM – 11:15 AM EDT | Intracranial bleed in Neuro IR Jamie L. Uejima, MD |
| 11:15 AM – 11:45 AM EDT | Questions & Answers |

FRIDAY 9:00 am - 11:45 am EDT

[Track II – Basic Science of Neurovascular Unit](#)

Moderators: William M. Armstead, PhD; Piyush M. Patel, MD

Presenters: William Pearce, PhD; Eng Lo, PhD; Courtney Robertson, MD; Louise McCullough, MD, PhD

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| 9:00 AM – 9:20 AM EDT | Ischemic Vascular Injury in the Immature Cerebral Circulation William Pearce, PhD |
| 9:20 AM – 9:40 AM EDT | Translational Challenges and Opportunities in the Neurovascular Unit Eng Lo, PhD |
| 9:40 AM – 10:15 AM EDT | Questions & Answers |
| 10:15 AM – 10:35 AM EDT | Break and Visit Exhibit Hall |
| 10:35 AM – 10:55 AM EDT | Neurovascular Alterations After Pediatric Traumatic Brain Injury Courtney Robertson, MD |
| 10:55 AM – 11:15 AM EDT | Sex-Based Differences in Stroke Outcome Louise McCullough, MD, PhD |
| 11:15 AM – 11:45 AM EDT | Questions & Answers |

FRIDAY 9:00 am - 11:45 am EDT

[Track III – Clinical Science Symposium](#)

Moderators: Alana M. Flexman, MD, FRCPC; Deepak Sharma, MBBS, MD, DM

Presenters: Virginia Newcombe, MD, PhD; Andrea Kurz, MD; Vincent Bonhomme, MD, PhD, Agregé;
Alexandra E. Kisilevsky, MD, PhD; Lauren Dunn, MD, PhD

9:00 AM – 9:20 AM EDT

What is New in TBI – Do We Have Enough Monitors or Shall We Look for New Ones?

Virginia Newcombe, MD, PhD

9:20 AM – 9:40 AM EDT

Do No Harm to Brain – Is Adequate BP for Heart Adequate BP For the Brain as Well?

Andrea Kurz, MD

9:40 AM – 10:00 AM EDT

How Unconscious is My Patient During General Anesthesia and Does it Matter?

Vincent Bonhomme, MD, PhD, Agregé

10:00 AM – 10:25 AM EDT

Questions & Answers

10:25 AM – 10:35 AM EDT

Break and Visit Exhibit Hall

10:35 AM – 10:55 AM EDT

Major Spine Surgery – Why, When and How Much of Blood Transfusion?

Alexandra E. Kisilevsky, MD, PhD

10:55 AM – 11:15 AM EDT

Any News on Spine ERAS? – Did One Glove Fit All?

Lauren Dunn, MD, PhD

11:15 AM – 11:45 AM EDT

Questions & Answers

FRIDAY 11:45 am - 12:15 pm EDT

[Break and Visit Exhibit Hall](#)

FRIDAY 12:15 pm - 1:30 pm EDT

[Research and Research Careers during the Pandemic — Challenges and Opportunities](#)

Moderators: Linda S. Aglio, MD, MS; Keith M Vogt, MD, PhD

The Research Committee will host a Round Table to create a forum for researchers to facilitate exchange and brainstorming. This session will not be recorded or archived.

FRIDAY 12:15 pm - 12:40 pm EDT

[Trainee Engagement Session Welcome Activities](#)

Moderator: Shobana Rajan, MD

This is a social event and this session will not be recorded or archived.

FRIDAY 12:45 pm - 1:30 pm EDT

[Trainee Engagement Breakout Sessions with SNACC Past Presidents and Thought Leaders](#)

SNACC Thought Leaders: Audree A. Bendo, MD, MS, FASA; Deborah J. Culley, MD; W. Andrew Kofke, MD, MBA, FNCS; Jeffrey J. Pasternak, MD; Martin Smith, MBBS, FRCA, FFICM; Michael M. Todd, MD; Monica S. Vavilala, MD

Saturday, September 12, 2020

SATURDAY 8:30 am - 9:45 am EDT

[Opening Remarks and Maurice Albin Keynote Lecture](#)

Moderators: William M. Armstead, PhD; Deepak Sharma, MBBS, MD, DM

Presenter: Edith Hamel, PhD

8:30 AM – 8:40 AM EDT

Opening Remarks

Deepak Sharma, MBBS, MD, DM

8:40 AM – 8:45 AM EDT

Introduction

William M. Armstead, PhD

8:45 AM – 9:30 AM EDT

Maurice Albin Keynote Lecture:

Modulation of Cerebral Hemodynamic Responses by Brain States and Pathology

Edith Hamel, PhD

9:30 AM – 9:45 AM EDT

Questions & Answers with Keynote Speaker

SATURDAY 9:45 am - 11:30 am EDT

[General Session I: Vascular Dementia, Cardiovascular Disease and Perioperative Outcome](#)

Moderators: Alana M. Flexman, MD, FRCPC; Monica S. Vavilala, MD

Presenters: Helene Benveniste, MD, PHD; Niccolo Terrando, PhD; Andre Denault, MD, PhD, FRCPC, FASE, ABIM-CCM, FCCS; Deborah J. Culley, MD

9:45 AM – 10:00 AM EDT

Glymphatic Dysfunction, Small Vessel Disease and Dementia

Helene Benveniste, MD, PHD

10:00 AM – 10:15 AM EDT

Neurovascular Dysfunction in Delirium

Niccolo Terrando, PhD

10:15 AM – 10:30 AM EDT

Break and Visit Exhibit Hall

10:30 AM – 10:45 AM EDT

Cardiac Issues and Their Contribution to Delirium/Congestive Encephalopathy

Andre Denault, MD

10:45 AM – 11:00 AM EDT

Perioperative Variables Associated with Postoperative Delirium

Deborah J. Culley, MD

11:00 AM – 11:30 AM EDT

Questions & Answers

SATURDAY 11:30 am -12:30 pm EDT

[Women in Neuroanesthesiology and Neuroscience Education and Research](#)

Small Things Add Up: Barriers and Opportunities for Women Anesthesiologists

Moderators: Laurel E. Moore, MD; Marie Angele Theard, MD

Presenter: Amy Pearson, MD

SATURDAY 12:30 am - 1:00 pm EDT

[Break and Visit Exhibit Hall](#)

SATURDAY 1:00 pm - 2:30 pm EDT

Poster Session I

[Poster Session I: 01-Basic Science: Sensory Systems & Arousal](#)

Moderators: Susana Vacas, MD, PhD; Michail Avramov, MD, PhD

[Poster Session I: 04-Cerebral Perfusion and Clinical Outcomes](#)

Moderators: Bhiken Naik, MB, BCh; Sulpicio Soriano, MD

[Poster Session I: 05-Seizures](#)

Moderators: John Bebawy, MD; Amie Hoefnagel, MD

[Poster Session I: 08-Clinical Outcome I](#)

Moderators: Ines Koerner, MD, PhD; Lisa Adiutori, DO; W. Andrew Kofke, MD, MBA, FNCS

[Poster Session I: 09-Medically Challenging Cases I](#)

Moderators: Tumul Chowdhury, MD, DM, FRCPC; Nicole Guinn, MD

[Poster Session I: 10-Medically Challenging Cases II](#)

Moderators: Linda Aglio, MD, MS; Ibukun Adedugbe, MBBS, Bsc, FRCA; Girija Rath, MD, DM

SATURDAY 2:30 pm - 2:45 pm EDT

[Break and Visit Exhibit Hall](#)

SATURDAY 2:45 pm - 3:45 pm EDT

[General Session II: Microbiome, Neuroinflammation and POCD](#)

Moderators: Paul Garcia, MD, PhD; Ines P. Koerner, MD, PhD

Presenters: Colm Cunningham, PhD; Guang Yang, PhD

2:45 PM – 3:00 PM EDT

Inflammation Induced Delirium

Colm Cunningham, Ph.D.

3:00 PM – 3:15 PM EDT

Immune Response Contribution to POCD

Guang Yang, PhD

3:15 PM – 3:45 PM EDT

Questions & Answers

Sunday, September 13, 2020

SUNDAY 8:30 am - 9:00 am EDT

[Best of Abstracts](#)

Moderators: Valpuri Luoma, MBChB, FRCA, FICM; Michael M. Todd, MD

Presenters: Minghui Chen, MD, PhD; Catherine Duclos, PhD

8:30 AM – 8:40 AM EDT

Best of Abstracts – Basic Science

Imbalanced excitatory and inhibitory inputs onto hippocampal dentate granule cells born after traumatic brain injury

Minghui Chen, MD, PhD

8:40 AM – 8:50 AM EDT

Best of Abstracts – Clinical Science

Reconfiguration of frontoparietal directed connectivity under anesthesia may predict recovery of consciousness

Catherine Duclos, PhD

8:50 AM – 9:00 AM EDT

Questions & Answers with Best-of Abstracts

9:00 AM – 9:05 AM EDT

Transition to Poster Session II

SUNDAY 9:05 am - 10:30 am EDT

Poster Session II

[Poster Session II: 02-Basic Science: SAH, CBF, and Cell Death](#)

Moderators: Paul Garcia, MD, PhD; Jeffrey Pasternak, MD

[Poster Session II: 03-Cognitive Vulnerability](#)

Moderators: Raymond Roginski, MD, PhD; Jason Chui, MBChB, FANZCA; David Highton, MBChB, FRCA, FFICM, FANZCA, PhD

[Poster Session II: 06-Hemostasis and Stroke](#)

Moderators: Shobana Rajan, MD; Laurel Moore, MD

[Poster Session II: 07-Clinical Outcome II](#)

Moderators: Mehmet Ozcan, MD; Heidi Koenig, MD

[Poster Session II: 11-Patient Safety](#)

Moderators: Arnoley Abcejo, MD; Valpuri Luoma, MBChB, FRCA, FICM

[Poster Session II: 12-Quality Assurance](#)

Moderators: Una Srejjic, MD; James Ibinson, MD, PhD; Aaron LacKamp, MD

SUNDAY 10:30 am - 10:45 am EDT

[Break and Exhibit Hall](#)

SUNDAY 10:45 am - 12:00 pm EDT

[General Session III: Prevention and Management of Perioperative Stroke and Role of the NVU](#)

Moderators: Tumul Chowdhury, MD, DM, FRCPC; Piyush M. Patel, MD

Presenters: Phillip E Vlisides, MD; Marko Mrkobrada, MD, MSc, FRCPC

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| 10:45 AM – 11:00 AM EDT | Identifying and Managing Perioperative Acute Ischemic Stroke Phillip E Vlisides, MD |
| 11:00 AM – 11:15 AM EDT | Neurovision Study Marko Mrkobrada, MD, MSc, FRCPC |
| 11:15 AM – 12:00 PM EDT | Interactive Panel and Q&A |

SUNDAY 12:00 pm - 12:30 pm EDT

[Break and Exhibit Hall](#)

SUNDAY 12:30 pm - 1:30 pm EDT

[Journal of Neurosurgical Anesthesiology Panel Session](#)

Moderators: Alana M. Flexman, MD, FRCPC; Martin Smith, MBBS, FRCA, FFICM

Panelists: Melinda J. Davis, MD; Amie Hoefnagel, MD; Girija P. Rath, MD, DM; Ugan Reddy, MBChB, FRCA, FFICM

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| 12:30 PM – 12:45 PM EDT | Introduction Martin Smith, MBBS, FRCA, FFICM; Editor-in-Chief of the <i>Journal of Neurosurgical Anesthesiology</i> |
| 12:45 PM – 1:30 PM EDT | Live International Panel Discussion and Q&As <i>Panelists: Melinda J. Davis, MD; Amie Hoefnagel, MD; Girija P. Rath, MD, DM; Ugan Reddy, MBChB, FRCA, FFICM</i> |

SUNDAY 1:30 pm - 2:30 pm EDT

[General Member Business Meeting and Awards](#)

Rafi Avitsian, MD, FASA; Alana M. Flexman, MD, FRCPC; Max B. Kelz, MD, PhD; Ines P. Koerner, MD, PhD; Chanannait Paisansathan, MD, MHA; Deepak Sharma, MBBS, MD, DM