**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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<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
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<tr>
<td>9:00 AM – 9:20 AM</td>
<td>Intraoperative Brain Swelling</td>
<td>Amie Hoefnagel, MD</td>
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<td>9:20 AM – 9:40 AM</td>
<td>Intraoperative Aneurysm Rupture</td>
<td>John F. Bebawy, MD</td>
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<td>9:40 AM – 10:00 AM</td>
<td>Intraoperative Seizure</td>
<td>Chanhung Z. Lee, MD, PhD</td>
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<td>10:00 AM – 10:25 AM</td>
<td>Questions &amp; Answers</td>
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<td>10:25 AM – 10:35 AM</td>
<td>Break and Visit Exhibit Hall</td>
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<td>10:35 AM – 10:55 AM</td>
<td>Autonomic Dysreflexia</td>
<td>Rafi Avitsian, MD, FASA</td>
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<td>10:55 AM – 11:15 AM</td>
<td>Intracranial bleed in Neuro IR</td>
<td>Jamie L. Uejima, MD</td>
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<td>11:15 AM – 11:45 AM</td>
<td>Questions &amp; Answers</td>
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**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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<td>Ischemic Vascular Injury in the Immature Cerebral Circulation</td>
<td>William Pearce, PhD</td>
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<td>9:20 AM – 9:40 AM</td>
<td>Translational Challenges and Opportunities in the Neurovascular Unit</td>
<td>Eng Lo, PhD</td>
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<td>Questions &amp; Answers</td>
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<td>10:35 AM – 10:55 AM</td>
<td>Neurovascular Alterations After Pediatric Traumatic Brain Injury</td>
<td>Courtney Robertson, MD</td>
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<td>10:55 AM – 11:15 AM</td>
<td>Sex-Based Differences in Stroke Outcome</td>
<td>Louise McCullough, MD, PhD</td>
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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, Agrege; 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, Agrege

10:00 AM – 10:25 AM EDT  Questions & Answers

10:25 AM – 10:35 AM EDT  Break and Visit Exhibit Hall


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 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 Srejic, 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

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

12:30 PM – 12:45 PM EDT
**Introduction**
Martin Smith, MBBS, FRCA, FFICM; Editor-in-Chief of the *Journal of Neurosurgical Anesthesiology*

12:45 PM – 1:30 PM EDT
**Live International Panel Discussion and Q&As**
*Panelists: Melinda J. Davis, MD; Amie Hoefnagel, MD; Girija P. Rath, MD, DM; Ugan Reddy, MBChB, FRCA, FFICM*

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