2024 SNACC Annual Meeting

Schedule

Thursday, 12 September, 2024

07:30-16:45 Colorado Foyer, 2nd Floor

Registration

Thursday, September 12
07:30 - 17:00
Friday, September 13
06:30 - 17:00
Saturday, September 14
06:30 - 15:30

08:15-16:30

ICPNT Master Class

Presentation type: ICPNT Master Class

SEPARATE REGISTRATION IS REQUIRED AND LIMITED
The ICPNT Master Class will focus on procedural skills and specific neuroanesthesia competencies in a parallel program designed to meet the needs of both practicing attendings and trainees.
The learning objectives are to:
1) Develop the knowledge required to manage perioperative emergencies during neurosurgery
2) Develop skills in regional anesthesia for neurosurgery
3) Develop the knowledge and skills required for the use of intraoperative neuromonitoring
4) Develop an understanding of the use of perioperative EEG
5) Be able to provide feedback as a medical educator
There will be a quiz to be completed after the program. For those that demonstrate attendance at all Master Class sessions and pass the quiz, a certificate of completion will be issued by ICPNT.

08:15-08:25 Mt. Oxford Room, 3rd Floor

ICPNT Master Class: Introduction

Moderator & Speakers:: Chanhung Lee, Valpuri Luoma, Shobana Rajan, Deepak Sharma
Presentation type: ICPNT Master Class

08:25-08:30

Change Rooms

08:30-10:30 Mt. Princeton Room, 3rd Floor

ICPNT Master Class Track A: Train the Trainer Workshop: Providing Effective Feedback (Target: Faculty)

Moderator & Speakers:: L. Jane Easdown, Valpuri Luoma, Mariel Manlapaz, William Rieley, Steven Robicsek, Deepak Sharma
Presentation type: ICPNT Master Class
Track A

This will be a two hour interactive workshop with didactics focusing on how to deliver constructive feedback to trainees in all stages of learning.
Participants will apply strategies for useful feedback based on performance criteria and review the steps needed for a feedback agreement. Participants will gain experiential learning on the Ask-Tell-Ask method of providing feedback.

08:30-10:30 Mt. Harvard Room, 3rd Floor

ICPNT Master Class Track B: Neuroanaesthesia Emergencies Crisis Management Workshop (Target: Fellows/Residents)

Moderator & Speakers:: Ib Adebegue, Rafi Avitsian, Shilpa Rao, Sonal Sharma, Jamie Uejima
Presentation type: ICPNT Master Class
Track B

Aneurysm Rupture - Jamie Ujeima
The presentation on aneurysm rupture will focus on prevention, treatment, and management during this potentially catastrophic neuroanesthetic emergency.
Raised ICP Management - Ib Edebegue
Stroke - Sonal Sharma
This session will focus on the importance of timely treatment of acute ischemic stroke to prevent death and long-term disability and how to perform the initial evaluation as quickly as possible and differentiate the ischemic stroke from hemorrhagic stroke on imaging. The session will include a discussion on the following important aspects of management when these patients present for neuroendovascular interventions such as intra-arterial thrombolysis or mechanical clot extraction: 1) Choice of anesthesia, 2) Hemodynamic management, 3) Oxygenation and ventilation, 4) Temperature, and 5) Glycemic management.
Seizures - Shilpa Roa
Perioperative seizures, causes and factors associated with them, as well as management of seizures will be discussed.

Venous Air Embolism - Rafi Avitsian
The session on air embolism will discuss the etiology, pathophysiology, and treatment of this intraoperative complication as a critical scenario. The session will include a presentation, case simulation and discussion.

10:30-11:00

Break

10:30-11:00

Break

11:00-12:00 Mt. Harvard Room, 3rd Floor

ICPNT Master Class Track C: Regional Anesthesia for Neurosurgery Workshop

Moderator & Speakers:: Jason Chui, Michelle Ge, Jinu Kim, Kirsten Kiroff, Chanhung Lee, Kan Ma
Presentation type: ICPNT Master Class
Track C

Scap Block - Jinu Kim
How to perform both the classic scalp block and ultrasound guided scalp block will be taught and demonstrated.
ESP Block - Jason Chi, Kirsten Kiroff, & Michelle Ge
This hands on session will cover the anatomy, indications, contraindications and ultrasound guided block technique, as well as the applicability and technical management of ultrasound-guided peripheral nerve blocks for neurosurgical anesthesia.

11:00-12:00 Mt. Princeton Room, 3rd Floor

ICPNT Master Class Track D: Intraoperative Neuromonitoring

Moderator & Speakers:: Claudia Clavijo, Anthony Oliva, Scott Vogel
Presentation type: ICPNT Master Class
Track D

In this session, attendees will be educated on intraoperative neurophysiologic neuromonitoring (IONM). Case-based discussion as well as simulated scenarios will be employed to convey both basic and advanced topics within the field of IONM.

12:00-12:15

Break

12:00-12:15

Break

12:15-13:15 Mt. Princeton Room, 3rd Floor

ICPNT Master Class Track D: Intraoperative Neuromonitoring

Moderator & Speakers:: Claudia Clavijo, Anthony Oliva, Scott Vogel
Presentation type: ICPNT Master Class
Track D

12:15-13:15 Mt. Harvard Room, 3rd Floor

ICPNT Master Class Track C: Regional Anesthesia for Neurosurgery Workshop

Moderator & Speakers:: Jason Chui, Michelle Ge, Jinu Kim, Kirsten Kiroff, Chanhung Lee, Kan Ma
Presentation type: ICPNT Master Class
Track C

13:15-14:00

Break

13:15-14:00

Break

14:00-16:00 Mt. Oxford Room, 3rd Floor

ICPNT Master Class Track E: EEG Monitoring

Moderator & Speakers:: Sujoy Banik, Paul Garcia, Bryan Glezerson, Ben Gruenbaum, Alexander Papangelou, Shobana Rajan, Kathryn Rosenblatt, Seyed Safavynia
Presentation type: ICPNT Master Class
Track E

A two-hour intensive session on electroencephalogram (EEG) for neuroanesthesia and critical care professionals.

The first hour will focus on foundational knowledge through a series of 15-minute lectures. Topics include the physics of EEG, how drug interactions impact brain activity as seen on EEG (including typical pattern and age-related changes), the use of EEG in dementia diagnosis, and the relationship between specific EEG patterns and pain perception.

The second hour will dive deeper through interactive breakout sessions. Participants will gain hands-on experience with EEG monitoring equipment and learn techniques for identifying and managing common artifacts and noise sources. Two separate case discussion sessions will be offered. One session will analyze real-world scenarios using anonymized video clips and screenshots, while the other will focus on neurosurgical cases (including spine and cranial procedures) with discussions on alternative electrode configurations.

Throughout the workshop, a central monitor will display presentations, while three side monitors will be dedicated to specific breakout sessions. Participants are welcome to bring their laptops for easier viewing of EEG monitors. This workshop will provide a valuable opportunity to strengthen your understanding and application of EEG in these critical care fields.

15:00-16:30 Mt. Princeton Room, 3rd Floor

JNA Editorial Board Meeting

Presentation type: Committee/Ancillary Meeting

16:00-16:30 Mt. Oxford Room, 3rd Floor

ICPNT Master Class: Quiz & Awarding of Certificates

Moderator & Speakers:: Kiran Jangra, Colleen Naglee, Vijay Tarnal

Participants in the ICPNT Master Class will have the opportunity to take a quiz to assess their understanding of the sessions they attended. Upon successfully completing both the course and the quiz, participants will receive certificates.

16:30-16:35 Mt. Oxford Room, 3rd Floor

ICPNT Master Class: Wrap Up

Moderator & Speakers:: Chanhung Lee, Valpuri Luoma, Shobana Rajan, Deepak Sharma
Presentation type: ICPNT Master Class

16:45-17:45 Maroon Peak, 2nd Floor

ICPNT Program Directors' Meeting

Presentation type: Committee/Ancillary Meeting

18:00-20:00 Mt. Sopris, Lobby Level

Opening Reception

Friday, 13 September, 2024

06:45-08:00 Aspen Ballroom, 2nd Floor

Breakfast with Exhibitors

07:00-07:50 Maroon Peak, 2nd Floor

Perioperative Management of Neurologic Stimulators During Nonneurologic Surgery

Moderator & Speakers:: Jacqueline Morano, Jamie Ujeima
Presentation type: Problem-Based Learning Discussion

SEPARATE REGISTRATION IS REQUIRED AND LIMITED

PBLD on how to manage neurologic stimulators during non-neurologic surgery, including deep brain stimulators, vagal nerve stimulators, and spinal cord stimulators. What to do when cautery is being used and neuromonitoring is being used. How to manage these devices off site and when performing acute pain procedures.

07:00-07:50 Mt. Harvard Room, 3rd Floor

Intraoperative Loss of Neuromonitoring Signals: Troubleshooting Tips

Moderator & Speakers:: Shilpa Rao
Presentation type: Problem-Based Learning Discussion

SEPARATE REGISTRATION IS REQUIRED AND LIMITED

This session focuses on the critical issue of intraoperative loss of neuromonitoring signals, offering practical troubleshooting tips for clinicians. It will cover common causes of signal loss, such as electrical interference, patient positioning, equipment malfunction, and physiological changes. Attendees will learn a systematic approach to identifying and rectifying issues, including techniques for isolating the source of disruption and using backup monitoring methods. Real-life case studies will illustrate signal loss scenarios and their resolutions providing valuable lessons and strategies for preventing future occurrences. The session will also emphasize the importance of teamwork and effective communication between surgical and monitoring teams during critical situations, ensuring continuous and reliable neuromonitoring for optimal patient safety and surgical outcomes.

07:00-07:50 Mt. Oxford Room, 3rd Floor

Challenging Awake Craniotomy

Moderator & Speakers:: Vikas Chauhan, Maya Mikami
Presentation type: Problem-Based Learning Discussion

SEPARATE REGISTRATION IS REQUIRED AND LIMITED
This session will delve into the intricacies of performing awake craniotomies, focusing on problem-based learning to tackle the challenges associated with this procedure. Participants will engage in discussions on patient selection, preoperative preparation, and intraoperative management. The session will address common difficulties, such as patient anxiety, pain control, and maintaining patient cooperation. Real-world cases will be presented to highlight best practices and innovative solutions for overcoming obstacles during awake craniotomies. Attendees will leave with a deeper understanding of the critical factors for success in these complex surgical procedures.

07:00-07:50 Mt. Princeton Room, 3rd Floor

Management of Traumatic Brain Injury

Moderator & Speakers:: Ashish Bindra
Presentation type: Problem-Based Learning Discussion

SEPARATE REGISTRATION IS REQUIRED AND LIMITED
This session will explore the multifaceted approach to managing traumatic brain injury (TBI) through a problem-based learning discussion. Attendees will engage in interactive discussions on the latest protocols for initial assessment, stabilization, and ongoing management of TBI patients. Key topics include neuroimaging, surgical interventions, intracranial pressure monitoring, and the management of associated complications such as seizures and cerebral edema. Real-world case studies will be used to illustrate challenges and solutions in TBI management, fostering a collaborative environment for sharing best practices and innovative treatment strategies. Participants will enhance their understanding and skills in providing comprehensive care for patients with traumatic brain injuries.

08:00-08:05 Colorado Ballroom, 2nd Floor

President's Welcome

Moderator & Speakers:: John Bebawy
Presentation type: General Session

This is an introductory session moderated by SNACC President John Bebawy that will set the tone for the conference, provide an overview of the event's objectives, key themes, and highlights. Dr. Bebawy will introduce the esteemed speakers and provide insights into the exciting sessions and discussions planned for the coming days. This is an excellent opportunity for attendees to comprehensively understand the conference agenda and network with fellow professionals.

08:05-09:00 Colorado Ballroom, 2nd Floor

Maurice Albin Keynote Lecture - Vesna Jevtovic-Todorovic: The Effects of General Anesthesia on Brain Development - A Summary Update

Moderator & Speakers:: Vesna Jevtovic-Todorovic, Girija Rath, Sol Soriano
Presentation type: General Session

Maurice Albin Keynote Lecture is a prestigious event during the SNACC Annual Meeting which honors Maurice Albin, one of the founding members of SNACC and its second President. It features prominent experts in neuroscience and anesthesiology.

Dr. Vesna Jevtovic-Todorovic will present a comprehensive summary update on the effects of general anesthesia on brain development. This lecture will delve into the latest research findings, exploring the potential impacts of anesthetic agents on neural growth and cognitive outcomes. Dr. Jevtovic-Todorovic will address both the clinical implications and the underlying mechanisms of anesthesia-induced neurotoxicity, offering insights into how these effects might influence pediatric anesthetic practices. Attendees will gain a deeper understanding of current knowledge and future directions in this critical area of anesthesiology.
"*Early exposure to general anesthesia has been shown in numerous preclinical and rapidly emerging clinical studies to be detrimental to very young brain resulting in long term behavioral impairments, not only when it comes to cognitive development, but socio-affective development as well. Multiple mechanisms have been investigated to better understand anesthesia-induced developmental neurotoxicity. My focus in this talk will be on presenting and discussing the latest developments in this field and to address possible strategies moving forward.*"

09:00-10:00 Colorado Ballroom, 2nd Floor

General Session I: Stroke Thrombectomy - Pushing the Envelope Together

Moderator & Speakers:: Melinda Davis, Deepak Sharma, Dileep Raghvendra Yavagal
Presentation type: General Session

This session will focus on the advancements and collaborative efforts in stroke thrombectomy. Experts will discuss the latest techniques, technologies, and clinical practices that are revolutionizing stroke care. The session aims to highlight the importance of multidisciplinary teamwork in improving patient outcomes, showcasing successful case studies, and exploring future directions in the field. Attendees will gain valuable insights into the evolving landscape of stroke thrombectomy and the collective efforts driving progress in this life-saving intervention.
Lectures:
09:00 - 09:20
Newer and Expanding Horizons of EVT: Leaving No Stroke Behind - Dileep Raghvendra Yavagal
09:20 - 09:40
High Reliability Stroke Care: The Anesthesiology Edge - Deepak Sharma
Dr. Sharma will discuss current status of anesthesia involvement in stroke care and potential opportunities for anesthesiologists to advance stroke care.
09:40 - 10:00
Q&A - Sulpicio Soriano, Moderator

10:00-10:15 Aspen Ballroom, 2nd Floor

Break - Visit the Exhibitors

10:15-11:15 Colorado Ballroom, 2nd Floor

WINNER Session - Aviva Abosch: My Travels Through US Neurosurgery and Neuroscience

Moderator & Speakers:: Aviva Abosch, Maria Bustillo
Presentation type: General Session

The WINNER (Women in Neuroanesthesiology Education and Research) session focuses on advancing the role of women in neuroanesthesiology and perioperative neurosciences and highlights the contributions of women in the field. It aims to promote education, research, and networking opportunities for female neuroanesthesiologists / neuroscientists.
This talk will delineate and expand upon my own experiences navigating a career in Neurosurgery and Neuroscience in the United States. Beginning with my residency at the University of California in San Francisco, and proceeding through the years of fellowship and faculty appointments and eventual position as Chair of Neurosurgery at UNMC, I hope that this presentation will demonstrate to the attendees of the WINNER session the complex nature of organized Neurosurgery and Neuroscience in the United States, while still conveying a message of encouragement to young neuroscientists and neurosurgeons as they embark on similar journeys.

11:15-12:15 Colorado Ballroom, 2nd Floor

General Session II: Recent Advances in Management of Acute Subarachnoid Hemorrhage

Moderator & Speakers:: Hemant Bhagat, Ines Koerner, Ugan Reddy, Dileep Raghvendra Yavagal
Presentation type: General Session

This session will delve into the recent advances in the management of acute subarachnoid hemorrhage. Experts will present the latest research findings, innovative treatment strategies, and evolving best practices aimed at improving patient outcomes. Discussions will cover advances in surgical and endovascular interventions, critical care management, and long-term rehabilitation strategies. Attendees will gain a comprehensive understanding of the current state of acute subarachnoid hemorrhage management and the future directions in this rapidly advancing field.
Lectures:
11:15 - 11:30
Recent Updates on Critical Care in SAH - Ugan Reddy
Aneurysmal subarachnoid haemorrhage (aSAH) is a profoundly debilitating condition associated with high case fatality and morbidity rates. The key determinants of functional outcome include early brain injury, rebleeding of the ruptured aneurysm and delayed cerebral ischaemia. Significant improvements in prognosis following aSAH are reported with meticulous management in specialised Neurocritical care units, multimodal monitoring targeting pathophysiological imbalances and optimising systemic physiology to prevent secondary brain injury. Clinical care is made challenging by the paucity of robust clinical evidence and failure of numerous interventions to show benefit in clinical trials. Given the recent issuance of clinical guidelines, the objective is to provide an updated review of essential principles of ICU management of aSAH patients.
11:30 - 11:45
Recent Updates on Anesthetic Management of SAH - Hemant Bhagat
11:45 - 12:00
Newer Interventional Treatment of SAH - Dileep Raghvendra Yavagal
12:00 - 12:15
Q&A - Ines Koerner, Moderator

12:15-13:00 Aspen Ballroom, 2nd Floor

Lunch with Exhibitors

12:15-13:00

Membership Committee

Presentation type: Committee/Ancillary Meeting

12:15-13:00 Mt. Oxford Room, 3rd Floor

Trainee Engagement Committee (TEC) Meeting

Presentation type: Committee/Ancillary Meeting

13:00-14:00 Colorado Ballroom, 2nd Floor

General Session III: Anesthetic Sensitivity - What Can We Learn from Age & Sex Differences

Moderator & Speakers:: Max Kelz, Susana Vacas, Phillip Vlisides
Presentation type: General Session

This session explores how age and sex differences impact anesthetic sensitivity. Pediatric patients often require higher doses due to metabolic rates, while the elderly may be more sensitive due to pharmacokinetic changes. Sex-related differences in drug metabolism and hormonal influences further complicate anesthesia management. Understanding these variations is crucial for tailoring anesthesia plans, improving safety, and advancing personalized approaches in clinical practice.
Lectures:
13:00 - 13:20
Anesthetic Sensitivity and Aging - Susana Vacas
13:20 - 13:40
Anesthetic Sensitivity and Sex - Max Kelz
13:40 - 14:00
Q&A - Phillip Vlisides, Moderator

14:05-15:30 Colorado Ballroom, 2nd Floor

Neuroscience Symposium: Emerging Research on Psychedelics - Neuroscience of Mind-Altering Substances with Mental Health and Substance Use Applications

Moderator & Speakers:: Boris Heifets, Zirul Huang, Jamie Peters, Susana Vacas
Presentation type: General Session

Classical (e.g., LSD, psilocybin) and non-classical psychedelics (nitrous oxide, ketamine) are being clinically explored for the treatment of psychiatric disorders, but the role of associated hallucinogenic effects in therapeutic efficacy and the underlying neurobiology is not completely understood. The panel will present data from human and animal studies to address the key gaps in our knowledge.
Lectures:
14:05 - 14:10
Introduction to the Symposium - Susana Vacas
14:10 - 14:30
Deconstructing the Psychedelic Experience: Separating the Drug and the Trip - Boris Heifets
Dr. Heifets will describe clinical and preclinical data that address possible contributors to therapeutic effects in psychiatric disease from various aspects of the psychedelic therapy process. The potential sources of therapeutic effect include a biochemical effect of the drug that may occur regardless of subjective effects; the experiential effects, which are linked to administration of the drug; and non-drug factors which includes patients' expectations and post-treatment therapeutic integration. Anesthesia is used as a method to achieve a treatment masking to separate some of these factors, and Dr. Heifets will discuss challenges in studying psychedelics in combination with anesthetics.
14:30 - 14:50
Exploring Human Brain Network Reorganization with Psychedelics - Zirul Huang
Participants will learn about how brain functional networks adapt to classical (LSD) and non-classical (nitrous oxide, ketamine) psychedelics, and the shared patterns in brain network alterations across these substances.
14:50 - 15:10
Therapeutic Applications for Non-Hallucinogenic Psychedelics in Substance Use Disorders - Jamie Peters
Tabernanthalog, a non-psychedelic synthetic analog of naturally occurring psychedelic ibogaine, show promising therapeutic profile in preclinical models of opioid and alcohol use, and appears to be equally or more efficacious as compared to a classical serotonergic psychedelic.
15:10 - 15:30
Q&A - Susana Vacas, Moderator

15:30-15:45 Aspen Ballroom, 2nd Floor

Break - Visit the Exhibitors

15:45-17:20 Mt. Oxford Room, 3rd Floor

Clinical Science/Clinical Trials/Outcomes

Presentation type: Abstract Session

15:45-17:20 Mt. Princeton Room, 3rd Floor

Medically-Challenging Cases

Presentation type: Abstract Session

15:45-17:20 Mt. Harvard Room, 3rd Floor

Basic Science/Clinical Science/Pain

Presentation type: Abstract Session

15:45-17:20 Maroon Peak, 2nd Floor

Neuromonitoring/Education/Patient Safety

Presentation type: Abstract Session

15:45-17:20 Virtual via Zoom

Clinical and Basic Science / Quality Assessment and Patient Safety

Presentation type: Abstract Session

Zoom Link

17:30-18:30

President's Reception

Presentation type: Committee/Ancillary Meeting
Supported Provided By: Eagle Pharmaceuticals

Invitation Only

18:30-20:30 West Saloon & Kitchen, 501 16th St Mall, Denver, CO 80202

Social Fundraiser

Supported Provided By: Masimo

Separate Registration Required

Saturday, 14 September, 2024

07:30-08:30 Mt. Princeton Room, 3rd Floor

Medically-Challenging Cases

Presentation type: Abstract Session

07:30-08:30 Mt. Harvard Room, 3rd Floor

Clinical Science/Clinical Trials

Presentation type: Abstract Session

07:30-08:30 Mt. Oxford Room, 3rd Floor

Neuromonitoring /Clinical Science and Quality Assessment

Presentation type: Abstract Session

07:30-08:30 Virtual via Zoom

Medically-Challenging Cases / Clinical Science

Presentation type: Abstract Session

Zoom Link

07:30-08:30 Virtual via Zoom

Neuromonitoring / Clinical Science

Presentation type: Abstract Session

Zoom Link

08:30-09:00 Aspen Ballroom, 2nd Floor

Breakfast with Exhibitors

09:00-10:00 Colorado Ballroom, 2nd Floor

General Session IV: Training and Research in Neuroanesthesia and Perioperative Neurosciences

Moderator & Speakers:: Alana Flexman, Nicolai Goettel, W. Andrew Kofke
Presentation type: General Session

This session delves into the evolving landscape of training and research in neuroanesthesia and perioperative neurosciences. Experts will present cutting-edge advancements, innovative techniques, and emerging trends in the field. Discussions will encompass the integration of new technologies, educational methodologies, and research paradigms to enhance clinical practice and patient outcomes. Attendees will gain valuable insights into the future direction of neuroanesthesia training and research, fostering collaboration and knowledge exchange among peers.
Lectures:
09:00 - 09:20
Training in Neuroanesthesia: Current Scenario - W. Andrew Kofke
Overview of the International Council on Perioperative Neuroscience Training (ICPNT) and development of international collaborations.
09:20 - 09:40
Research Priorities in Neuroanesthesia - Alana Flexman
09:40 - 10:00
Q&A - Nicolai Goettel, Moderator

10:00-11:00 Colorado Ballroom, 2nd Floor

General Session V: Advances in Functional Neurosurgery

Moderator & Speakers:: Ib Adebegue, Jason Chui
Presentation type: General Session

In this sessions, attendees will explore the latest advances in functional neurosurgery, focusing on innovative technologies that are transforming patient care. Experts will discuss the applications of neuromodulation, neuroimaging, and minimally invasive approaches in the treatment of neurological disorders. The session will also cover recent developments in deep brain stimulation, responsive neurostimulation, and other cutting-edge therapies, highlighting their impact on improving the quality of life for patients with neurological conditions.
Lectures:
10:00 - 10:20
Recent Advances in Functional Neurosurgery - Ib Adebegue

Highlighting the application and anesthetic considerations of new advances in functional neurosurgery.

10:20 - 10:40
Advances in Intraoperative Brain Mapping - Jason Chui
10:40 - 11:00
Q&A - Phuping Akavipat, Moderator

11:00-12:00 Colorado Ballroom, 2nd Floor

General Session VI: Advances in Pain Management

Moderator & Speakers:: Eugenia Ayrian, Sidharth Chavali, Lauren Dunn, Sriganesh Kamath
Presentation type: General Session

This session highlights recent advancements in pain management, encompassing novel pharmacological, interventional, and multidisciplinary approaches. Experts will discuss the latest research findings, innovative techniques, and emerging therapies for acute and chronic pain conditions. Topics will include neuromodulation, regenerative medicine, psychological interventions, and personalized pain management strategies. The session aims to provide attendees with a comprehensive overview of the evolving landscape of pain management, with a focus on improving patient outcomes and quality of life.
Lectures:
11:00 - 11:15
Pharmacological Management of Post Craniotomy Pain - Lauren Dunn
11:15 - 11:30
Advanced Neuromodulation in Chronic Pain - Sidharth Chavali
Dr. Siddharth Chavali's presentation will delve into the latest advancements in neuromodulation techniques for managing chronic pain, offering attendees a comprehensive overview of this evolving field. Attendees can expect to gain insights into innovative approaches to pain management and their practical implications for patient care.
11:30 - 11:45
Non-surgical Management of Trigeminal Neuralgia - Sriganesh Kamath
Dr. Kamath will briefly discuss the pathophysiology and diagnosis first, and then discuss in detail the treatment of trigeminal neuralgia using various pharmacological options, and minimally invasive non-surgical procedures.
11:45 - 12:00
Q&A - Eugenia Ayrian, Moderator

12:00-13:15 Colorado Ballroom, 2nd Floor

Lunch, Business Meeting & Awards

Presentation type: General Session

13:15-14:15 Colorado Ballroom, 2nd Floor

General Session VII: Pharmacological Advances and Implications for Perioperative Neuroscience

Moderator & Speakers:: Arnoley Abcejo, Tumul Chowdhury, Veerle De Sloovere
Presentation type: General Session

This session explores the latest pharmacological advances in perioperative neuroscience and their implications for clinical practice. Experts will discuss novel drug therapies, anesthesia techniques, and perioperative management strategies aimed at optimizing neurologic outcomes. Topics include the use o neuroprotective agents, enhanced recovery protocols, and personalized pharmacotherapy to improve perioperative care for patients undergoing neurosurgical procedures. Attendees will gain insights into the evolving role of pharmacology in perioperative neuroscience and its impact on patient outcomes.
Lectures:
13:15 - 13:35
Remimazolam: Applications for Neuroanesthesia and Neurocritical Care - Arnoley Abcejo
Remimazolam is a modern, intravenous, ultrafast-onset, esterease-metabolized benzodiazepine. Because it may combine the anxiolytic, amnesic, heodynamically-stable and sedative properties of midazolam with the pharmcodynamics profile of remifentanil, its clinical impact has been uptrending in Europe and Asia, but moreover in the United States, within both large academic and private practice institutions. However, even with its apparent benefits, the drug may have its own shortcomings and potential patient safety implications. In this talk, we will discuss the pharmacologic profile of remimazolam as well as its patient safety considerations for neuroanesthesia and neurosurgial procedures. We will review any recent literature and updates regarding the practical and potential impact it may have on the practice of neuroanesthesia.
13:35 - 13:55
Anticoagulation Management and Reversal in Neurosurgical and Neurointerventional Patients - Veerle De Sloovere
The neuroanesthesiologist must have an up-to-date knowledge of anticoagulants, including their mechanisms, reversal agents and monitoring techniques. Recognising the pitfalls and staying updated of the latest advances in anticoagulation therapy is essential as it hads a siginficant impact on patient outcome.
13:55 - 14:15
Q&A - Tumul Chowdhury, Moderator

14:15-15:15 Colorado Ballroom, 2nd Floor

Best of Science

Moderator & Speakers:: Kirandeep Kaur, Loudrick Lahaie, Hui-Tao Miao, David Obert
Presentation type: General Session

14:15 - 14:30
Best Clinical Abstract 2024 - Loudrick Lahaie
"Brief propofol sedation seems to improve EEG power spectral dynamics in unresponsive patients: a pilot study using the ABCD mesocircuit model"
14:30 - 14:45
Best Basic Science Abstract 2024 - Hui-Tao Miao
"Astrocytic NLRP3cKO protects against mild TBI-induced depression-like behaviors in mice via activation of caspase-3"
14:45 - 15:00
WINNER Abstract Award 2024 - Kirandeep Kaur
"Ultrasonographic measurement of onsd correlates with onsd assessed by mri in patients with clincial features of intracranial hypertension: a prospective observational study"
15:00 - 15:15
2023 William L. Young Neuroscience Research Award Winner - David Obert
"Identification of drug specific arousal circuits in the midbrain for anesthetic reversal"

15:15-16:15 Colorado Ballroom, 2nd Floor

Pro-Con: Should Scalp Blocks Be Routinely Used for Elective Craniotomy?

Moderator & Speakers:: Elisabeth Abramowicz, Alex Bekker, Jeff Pasternak
Presentation type: General Session

This session features a debate on the routine use of scalp blocks for elective craniotomy. Experts will present contrasting perspectives, exploring the benefits, risks, and evidence surrounding this practice. Attendees will gain insights into the controversies and considerations involved in incorporating scalp blocks into standard care for elective craniotomy patients.
Lectures:
14:30 - 14:50
Pro Routine Scalp Block - Elisabeth Abramowicz
14:50 - 15:10
Con Routine Scalp Block - Alex Bekker
Several studies have demonstrated that Scalp Block may improve intraoperative hemodynamic stability, allow for sparing hypnotic and analgesic agents, and improve postoperative pain control in patients undergoing craniotomies. However, this technique is associated with a number of complications. Additionally, the impact of this practice on clinical outcomes (e.g. PACU discharge time, length of hospital stay, etc.) remains unclear.
15:10 - 15:30
Q&A - Jeff Pasternak, Moderator

16:15-16:30 Colorado Ballroom, 2nd Floor

Closing Remarks

Presentation type: General Session

Closing remarks by incoming President, Dr. Ines Koerner
Attendees will hear Dr. Koerner's insights and reflections on the scientific deliberations of the meeting and the future of neuroanesthesia and perioperative neurosciences.