

ICCN 2018

Courses Program

TUESDAY, MAY 1, 2018

8:00AM - 5:00PM

BrainStem Society Meeting

Location: Delaware A

Developed in conjunction with the BrainStem Society

Co-Directors: Josep Valls-Sole, MD (Spain) and Mark Hallett, MD, FACNS (USA)

Objectives:

At the conclusion of this course, participants should be able to:

- 1 . Recognize the role of brainstem circuits in functions such as oculomotor control, respiration and inhibitory mechanisms of pain;
- 2 . Describe the complex relationship between brainstem nuclei and cerebellum in the control of balance and equilibrium;
- 3 . Explain the various functions of the pedunculo-pontine tegmental nucleus (PPTn) and evaluate the potential use of this nucleus as therapeutic target.

Agenda:

8:00am

Opening of the Meeting

Mark Hallett, MD, FACNS (USA)

Eye and Eyelid Movements

Chairs: Mark Hallett, MD, FACNS (USA)

8:15am

Spontaneous, Voluntary and Reflex Blinking in Clinical Practice

Josep Valls-Sole, MD (Spain)

8:45am

Basics of Ocular Motor Control by the Brainstem

David S. Zee, MD (USA)

9:15am

Eye Movement Disorders due to Brainstem Dysfunctions

Daniel Gold, DO (USA)

9:45am Break

Respiration and Sleep

Co-Charis: Markus Kofler, MD (Austria) and Jens Ellrich, MD, PhD (Germany)

10:00am

Functional Anatomy, Mechanisms of Respiration

Jeffrey C. Smith, PhD (USA)

10:30am

Disorders of Respiration During Sleep

Nancy Foldvary-Schaefer, DO, MS (USA)

11:00am

Facial Pain Syndromes: Differential Diagnoses
Satu Jaaskelainen, MD, PhD (Finland)

11:30am

Relevance of Brainstem to Pain: Nociceptive System and PGM
Andrea Truini, MD (Italy)

12:00pm

Lunch

Vestibular System

Co-Charis: Josep Valls-Solé, MD (Spain) and Andrea Truini, MD (Italy)

1:30pm

Brainstem and Cerebellum Control of Balance and Equilibrium
John Rothwell, PhD (United Kingdom)

2:00pm

How to Study Vestibular Nuclei: cvEMP and ovEMP
James G. Colebatch, DSc, FRACP (Australia)

2:30pm Break

Other Brainstem Functions

3:00pm

Startle and the StartReact Effect: Physiological Mechanisms
Anthony Carlsen, PhD (Canada)

3:30pm

Autonomic Dysfunction: Vagal Nerve Disorders
Lucy Norcliffe-Kaufmann, PhD (USA)

Non-Invasive Therapy-Oriented Stimulation of Cranial Nerves

4:00pm

State of the Art in Vagus Nerve Stimulation
Jens Ellrich, MD, PhD (Georgia)

4:30pm

State of the Art in Trigeminal Nerve Stimulation
Ian Cook, MD, DFAPA (USA)

5:00PM – 6:00PM

BrainStem Society Business Meeting

THURSDAY, MAY 3, 2018

7:00 - 10:30AM

BrainStem Society Meeting (continued from Tuesday, May 1)

Location: Delaware

Co-Directors: Mark Hallett, MD, FACNS (USA) and Josep Valls-Sole, MD (Spain)

Agenda:

Focus on the Pedunculo-Pontine Nucleus

Co-Chairs: John Rothwell, PhD (USA) and Satu Jaaskelainen, MD, PhD (Finland)

7:00am Welcome

7:15am

Anatomy of the Reticular Formation and the PPN

Clifford B. Saper, MD, PhD (USA)

7:45am

Functions of the PPN

Edgar Garcia-Rill, PhD (USA)

8:15am

Prepulse Inhibition

Markus Kofler, MD (Austria)

8:45am

The PPN and Freezing of Gait

Jorik Nonnekes, MD, PhD (Netherlands)

9:15am

PPN DBS: Indications and Potential Secondary Effects

Andres Lozano, MD, PhD, FRCSC, FRSC, FCAHS (Canada)

9:45am Discussion

9:45am

Final Remarks

Mark Hallett, MD, FACNS (USA)