Scientific Program*

Tuesday, February 17, 2015

Infectious Diseases HALL A
Coordinator: Israel Steiner

Neuroinfections

09:00 Diagnosis and diagnostics
   Israel Steiner, Israel

09:45 Malaria
   Erich Schmutzhard, Austria

10:30 Coffee break

11:00 Prions
   Raymond Roos, USA

11:45 Bacterial meningitis
   Andrew Pachner, USA

12:30 HSE
   Israel Steiner, Israel

13:15 Lunch

Issues of neurological infections

14:15 Drug induced opportunistic infections
   Andrew Pachner, USA

15:00 Para ("post") infections
   Israel Steiner, Israel

15:45 Coffee break

16:15 Intensive care for the treatment of NI
   Erich Schmutzhard, Austria

17:00 Vaccinations in the modern era: Necessity, risks, prospects
   Raymond Roos, USA

*Subject to change
**Tuesday, February 17, 2015**

**Cerebrovascular Disease & Stroke**  
Coordinator: David Tanne

09:00 Greetings and introduction  
David Tanne, Israel

09:10 Pathologies of the cerebral venous system – characteristics and treatment modalities  
Anat Horev, Israel

09:35 DWI MRI as the test modality of choice for suspected stroke  
Ronen Leker, Israel

10:00 Pre-hospital stroke care, including neuroprotection and thrombolysis  
Jeffrey L. Saver, USA

10:30 Coffee break

11:00 Rapidly improving stroke symptoms: A controversial exclusion criteria for t-PA  
Steven R. Levine, USA

11:30 Aneurysmal subarachnoid hemorrhage – 30 years of advances  
Matthew E. Fink, USA

11:55 Carotid artery stenosis – to stent or not to stent?  
David Orion, Israel

12:20 Neurovascular ultrasound advanced assessment  
Salo Haratz, Israel

12:45 Synaptic plasticity in the ischemic brain: Neurocoagulation and beyond  
Nicola Maggio, Israel

13:15 Lunch

14:15 Endovascular recanalization therapy for acute ischemic stroke (including current stent retriever trials)  
Jeffrey L. Saver, USA
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14:45 Pregnancy-associated stroke – An emerging public health crisis
Matthew E. Fink, USA

15:15 Understanding the role of microinfarcts and vascular structure in dementia
Pablo Blinder, Israel

15:45 Coffee break

16:15 Post-stroke cognitive impairment
Natan M. Bornstein, Israel

16:45 Case presentations and discussion by faculty members
Moderators: Hen Hallevi, David Tanne, Steven R. Levine

Workshop

HALL C

Radicular pain, somatic referred pain – similarities and differences
Coordinators: Robert Gerwin, Simon Vulfsons

Patients with pain radiating from the neck to the shoulder and down the arm, and patients with thoracic or lumbar pain radiating into the trunk or into the hip and down the leg, present diagnostic challenges, for the causes of these pain syndromes is more complex than one might think.

The differential diagnosis of these pain syndromes is complex and necessitates advanced clinical skills both in history taking and performing a detailed physical examination. Of primary concern is the issue of differentiating somatic referred pain from radicular or neurogenic pain. Somatic referred pain is mediated through the spinal cord, and the segments follow the innervation patterns of the muscles (myotomes) and dermatomes. Thus radiating pain can derive from somatic trigger points and/or nerve root compression and these conditions may coexist. Imaging and auxiliary tests can assist in the diagnosis but can in no way substitute for good clinical practice.
As an example, if we approach the problems of cervicalgia and referred pain into the arm, we can look at the scalene and levator scapulae muscles. We need to be able to include the C5-6 innervated muscles that refer into the arm, as well as the C 7-8 muscles, and we make the point that one of the first signs of radiculopathy can be myofascial trigger points in the muscle distribution of the compressed nerve.

In this one day workshop we will learn to differentiate between radicular pain and somatic referred pain. Specifically we will discuss the classification of radiating pain, history taking for radiating pain and the physical examination skills necessary to differentiate between the various radiating pain states. We will discuss and practice treatment options for these syndromes.

09:00 Case study: Cervicalgia with radiating pain - emphasis on history taking
Robert Gerwin, USA

09:45 Case study: Low back radiating pain - emphasis on physical examination
Simon Vulfsons, Israel

10:30 Coffee break

11:00 The T4 syndrome
John Kent, Israel

11:45 Treating the neck is treating the arm
Robert Gerwin, USA

12:30 Lower back radiating syndromes
Aharon Finestone, Israel

13:15 Wrap up and summary

13:30 Lunch
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Infectious Diseases  
Coordinator: Israel Steiner

Possible infectious etiology in neurological conditions of unknown etio-pathogenesis

09:00 MS  
Joab Chapman, Israel

09:45 ALS  
Raymond Roos, USA

10:30 Coffee break

11:00 PD  
Ruth Djaldetti, Israel

11:45 GBS  
Israel Steiner, Israel

12:30 Idiopathic epilepsy  
Felix Benninger, Israel

13:15 Lunch

The neurology of ASIA

14:15 The neurology of vaccinations  
Dimitrios Karussis, Israel

15:00 Vaccinations and narcolepsy  
Maria Arrango, Israel

15:45 Coffee break

16:15 The ASIA syndrome  
Yehuda Shoenfeld, Israel

17:00 What animal models of vaccination teach us  
Nancy Agmon-Levine, Israel
Wednesday, February 18, 2015

Epilepsy  HALL B
Coordinator: Ilan Blatt

09:00 Impaired consciousness in epilepsy: Mechanisms, networks, functional imaging
Hal Blumenfeld, USA

09:45 Aggression in epilepsy: Ictal, post-ictal and interictal
Miri Neufeld, Israel

10:30 Coffee break

11:00 Novel treatments of epilepsy: Thermal ablation, responsive neurostimulation (RNS)
Michael Sperling, USA

11:45 Newer-generation pharmacologic treatments of epilepsy
Ilan Blatt, Israel

12:30 Transcutaneous vagus nerve stimulation - principles and preliminary evidence for efficacy and tolerability
Andreas Schulze-Bonhage, Germany

13:15 Lunch

14:15 Investigational therapies for epilepsy: From TMS and TDCS to CBD
Dana Ekstein, Israel

15:00 Seizure-related impaired consciousness: Clinical implications and driving
Hal Blumenfeld, USA

15:45 Coffee break

16:15 Epilepsy and suicidality
Revital Gandelman-Marton, Israel

17:00 Refractory epilepsy case presentations and discussion
Michael Sperling, USA