11th Annual Update Conference Series on

Clinical Neurology & Neurophysiology

Tel Aviv, Israel
February 17-18, 2015

Second Announcement

www.neurophysiology-conference.com

This meeting has been reviewed and approved for CME by the European Academy of Neurology.
Dear Colleague,

The conference will be held this year at the Sheraton Hotel in Tel Aviv on February 17-18, 2015. The conference will feature two parallel streams and a workshop on pain. Participants are invited to send abstracts and poster presentations. The scientific program is diverse and will satisfy all participants interested in clinical neurology and neurophysiology.

We look forward to your attending the 11th Annual Update Conference and we offer an enjoyable scientific program and entertaining social and cultural events.

Sincerely,
Joab Chapman
Michael Rubin

**Course Directors**
Joab Chapman, MD, PhD (Tel Aviv)
Michael Rubin, MD, F.R.C.P.(C) (New York)

**Course Coordinators**
Ilan Blatt, MD
Israel Steiner, MD
David Tanne, MD
Simon Vulfsons, MD

**Auspices**
Israel Neurological Association

Two day course provides an update of selected topics in neurology and clinical neurophysiology. This course is suitable for neurologists, neuroscientists, and general internists, gerontologists, psychiatrists and physiatrists, anesthesiologists and allied health professionals with a particular interest in patients with neurological disorders who wish to update their knowledge of the mechanisms and treatments of these disorders, and to improve their expertise in clinical neurophysiology as practiced in their private offices. A professional exhibition for the industry (pharmaceutical and imaging equipment) will take place adjacent to the conference halls.
Faculty

Nancy Agmon-Levine, Sheba Medical Center, Israel
Maria Arrango, Sheba Medical Center and Bogota University, Israel
Felix Benninger, Rabin Medical Center, Israel
Ilan Blatt, Chaim Sheba Medical Center, Israel
Pablo Blinder, Tel Aviv University, Israel
Hal Blumenfeld, Yale-New Haven Medical Center, USA
Natan M. Bornstein, Tel Aviv Sourasky Medical Center, Israel
Joab Chapman, Chaim Sheba Medical Center, Israel
Ruth Djaladeti, Rabin Medical Center, Israel
Dana Ekstein, Hadassah Medical Center, Israel
Aharon Finestone, Assaf Harofeh Medical Center, Israel
Matthew E. Fink, Weill Cornell Medical Center, USA
Revital Gandelman-Marton, Assaf Harofeh Medical Center, Israel
Robert Gervin, John Hopkins University, USA
Hen Hallevi, Carmel Medical Center, Israel
Salo Haratz, Chaim Sheba Medical Center, Israel
Anat Horev, SonoMed Medical Center, Israel
Dimitrios Karussis, Hadassah Medical Center, Israel
John Kent, Rambam School of Pain Medicine, iSTOP, Israel
Ronen Leker, Hadassah Medical Center, Israel
Steven R. Levine, State University of New York (SUNY) Health Science Center, USA
Nicole Maggio, Chaim Sheba Medical Center, Israel
Miri Neufeld, Tel-Aviv Sourasky Medical Center, Israel
David Orion, Chaim Sheba Medical Center, Israel
Andrew Pachner, UMDNJ - New Jersey Medical School, USA
Raymond P. Roos, University of Chicago, USA
Jeffrey L. Saver, UCLA Stroke Center, USA
Erich Schmutzhard, Medical University of Innsbruck, Austria
Andreas Schulze-Bonhage, University Clinic Freiburg, Germany
Yehuda Shoenfeld, Sheba Medical Center, Israel
Michael Sperling, Thomas Jefferson University Hospital, USA
Israel Steiner, Rabin Medical Center, Israel
David Tanne, Chaim Sheba Medical Center, Israel
Simon Vulfsons, Rambam Medical Center, Israel
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
Tuesday, February 17, 2015

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**
Wednesday, February 18, 2015

Infectious Diseases
HALL A

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 Movement disorders
Ruth Djaldetti, Israel

11:45 GBS
Israel Steiner, Israel

12:30 Inflammatory epilepsies
Felix Benninger, Israel

12:15 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
**General Information**

**Venue:** Sheraton Hotel, Tel Aviv, Israel

**Date:** February 17-18, 2015

**Language:** The conference will be conducted in English.

**Registration Fee** of $550 includes participation in all scientific sessions and full day workshop, syllabus, night tour and dinner (February 17), 2 lunches and coffee breaks. The fee is valid until December 25, 2014. After that the fee is $645.

**Night Tour and Dinner:** Tuesday, February 17
Depart Sheraton Hotel at 18:00
Additional Tickets: $95

**Payment:** Payment should be made by one of the following methods:
- Check made payable to “ISAS International Seminars”
- Credit card via the conference website.
- Bank transfer to: ISAS International Seminars Ltd.
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Local and Israeli bank charges and commissions are the responsibility of the participant and must be paid at source in addition to the registration and accommodation fees.

Please make sure the name of the conference and of each participant are indicated on the bank transfer and that fully completed registration forms are submitted together with a copy of the bank transfer.

**Cancellation Policy:** All cancellations must be received via fax, email or post.
Registration cancellations received before January 15, 2015 are subject to a service charge and bank fee of $60. No refunds will be made on cancellations received after January 15, 2015. Refunds will be processed within two months after the conference.
Abstracts for poster presentation should be submitted in WORD format (300 words) by email to seminars@isas.co.il and by fax to +972-2-6520558. Presenters will be notified of acceptance by December 30, 2014.

Submission deadline: November 20, 2014

Exhibition: A commercial exhibition will be held within the framework of the conference. Exhibitors will be provided with an unprecedented opportunity to promote innovative products, pharmaceuticals, equipment and technologies to a discerning international professional audience. For further information contact the Secretariat at meetings@isas.co.il

Letters of Invitation: Upon request, the Secretariat will send a personal invitation to participate in the conference. Such an invitation is only meant to help visitors raise travel funds or obtain a visa and is not a commitment to provide financial support.

Climate: The weather in February is cool with possible rain, temperatures ranging from 6-14°C / 45-60°F.

Transportation from Airport: Ben-Gurion International Airport is located 20 minutes from Tel Aviv. Taxi service and a modern airport train provide fast and economic transportation into Tel Aviv.

Important Notes: ISAS International Seminars, and their agents, shall not be responsible for and shall be exempt from all liability in respect of any loss, damage, injury, accident, delay or inconvenience to any person, or his/her luggage or any other property for any reason whatsoever, for any tourist services provided. Personal travel and health insurance is recommended.

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Hotel Accommodations and Tours

For details and registration:
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Registration Form  Neurophysiology 2015

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