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for Brain Studies Tel Aviv University and the  
Joseph Sagol Neuroscience Center at the  
Chaim Sheba Medical Center, Tel Hashomer



The 9th Annual Update Conference Series on

# **Clinical Neurology & Neurophysiology 2013**

**Jerusalem, Israel  
February 17-19, 2013**

[www.neurophysiology-conference.com](http://www.neurophysiology-conference.com)

## **Second Announcement**

This meeting has been reviewed  
and approved for CME by the  
European Federation of  
Neurological Societies.



THERAPATH



## **Dear Colleague,**

The conference will be held this year in Jerusalem on February 17-19, 2013. The conference will feature two parallel streams and 4 workshops. 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 9th Annual Update Conference and we offer an enjoyable scientific program and entertaining social and cultural events. This year our gala banquet will include a unique tour of the New Israel Museum and an unforgettable night tour of Jerusalem, a unique modern vibrant society living alongside the architecture, museums and sites of 3000 years of history since the time of King David.

Sincerely,

**Joab Chapman**

**Michael Rubin**

**Aron S. Buchman**

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## **Course Coordinators**

**Joab Chapman, MD, PhD**

**Robert D. Gerwin, MD**

**Sharon Hassin-Baer, MD**

**Rivka Inzelberg, MD**

**Amnon Mosek, MD**

**Chaim G. (Chagi) Pick, PhD**

**Vadim Tachlykov, 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** (Tentative)

**Abigail Arad**, Sheba Medical Center

**Samih Badarny**, Carmel Medical Center

**Rachel Bar-Shavit**, Hadassah Medical Center, Hebrew University

**David Bennett**, Rush University Medical Center, USA

**Gila Bronner**, Sheba Medical Center, Tel-Hashomer

**Aron Buchman**, Rush University Medical Center, USA

**Doron Bushi**, Tel Aviv University

**Joab Chapman**, Sheba Medical Center

**Bruce A. Citron**, Bay Pines VA Healthcare System, University of South Florida College of Medicine, USA

**Oren Cohen**, Sheba Medical Center, Tel Aviv University

**Shlomo Constantini**, Tel Aviv Sourasky Medical Center, Tel Aviv University

**Ruth Defrin**, Tel Aviv University

**Ruth Djaldetti**, Rabin Medical Center, Tel Aviv University

**Moshe Feinsod**, Professor Emeritus, The Technion

**Eitan Friedman**, Sheba Medical Center, Tel Aviv University

**Robert D. Gerwin**, Johns Hopkins University, Myopain Seminars, USA

**Nir Giladi**, Tel Aviv Sourasky Medical Center, Tel Aviv University

**Tzvika Greenboum**, Tel-Aviv University

**Nigel Greig**, National Institute on Aging, USA

**Gahl Grinberg**, Sheba Medical Center, Tel-Hashomer

**Tanya Gurevich**, Tel Aviv Sourasky Medical Center, Tel Aviv University

**Sharon Hassin-Baer**, Sheba Medical Center, Tel Aviv University

**Rivka Inzelberg**, Sheba Medical Center, Tel Aviv University

**Zeev Itzikson**, Tel Aviv University

**Joseph Jankovic**, Baylor College of Medicine, Houston, Texas, USA

**Yoel Kloog**, Tel Aviv University

**Arieh Kuritzky**, Beilinson Medical Center

**Moshe Kushnir**, Kaplan Medical Center

**Sheera Lerman**, Sheba Medical Center, Tel-Hashomer

**Aharon Lubetski**, Sheba Medical Center, Tel Aviv University

**Nicola Maggio**, Sheba Medical Center  
**Paolo Martelletti**, Sapienza University of Rome,  
Sant'Andrea Hospital  
**Eldad Melamed**, Tel Aviv University  
**Amnon Mosek**, Tel-Aviv Sourasky Medical Center  
**Gavril W. Pasternak**, Cornell University Medical  
College, USA  
**Chaim G. (Chagi) Pick**, Tel Aviv University  
**Josè Martin Rabey**, Assaf Harofeh Medical Center,  
Tel Aviv University  
**Michael Rubin**, Weill Cornell Medical College, USA  
**Vardit Rubovitch**, Tel Aviv University  
**Ilana Schlesinger**, Rambam Health Care Campus  
**Shaul Schreiber**, Tel Aviv Sourasky Medical Center, Tel  
Aviv University  
**Mordechai Shani**, Sheba Medical Center, Tel Aviv  
University  
**Yoni Sharabi**, Sheba Medical Center, Tel Aviv University  
**Efrat Shavit-Stein**, Tel Aviv University  
**Noam Sobel**, The Weizmann Institute of Science  
**Vadim Tachlykov**, Sheba Medical Center  
**Gaohua Xi**, University of Michigan, USA  
**David Yarnitski**, Rambam Medical Center  
**Yakov Zauberman**, Sheba Medical Center  
**Ilan Ziv**, Rabin Medical Center, Tel-Aviv University

**Monday, February 18, 2013**

**SESSION I**

**Movement Disorders: Updates & Controversies**

Coordinators: *Sharon Hassin-Baer and Rivka Inzelberg*

**08:30 Greetings and introduction**

**From Parkin to Synuclein – and beyond....**

Chairs: *R. Inzelberg and M. Kushnir*

**08:35 Ethnic groups in Parkinson's disease (PD) in Israel**

*R. Inzelberg*

**09:05 Cancer in PD – Possible genetic aspects**

*E. Friedman*

**09:25 Relation of Lewy body pathology to cognition in old age**

*D. Bennett*

**09:40 Does PD pathology underlie late-life motor impairment?**

*A. Buchman*

**10:00 Coffee break**

**Treatment of PD: From prevention to complications**

Chairs: *M. Rabey and R. Djaldetti*

**10:20 Can we prevent PD?**

*N. Giladi*

**10:40 Therapeutic developments for patients with advanced PD**

*O.S. Cohen*

**11:00 Novel neuropharmacological approaches for PD**

*S. Hassin-Baer*

**11:20 Recent developments in cell and gene therapies for PD**

*E. Melamed*

**11:50 Special Guest Lecture  
Update on Tourette Syndrome**

*J. Jankovic*

**12:30 Lunch**

**Novel technologies: Telemedicine**

Chairs: *I. Ziv and S. Badarny*

**13:30 Telemedicine - a glance to the future**

*M. Shani*

**14:00 Telemedicine for PD**

*I. Schlesinger*

## **Monday, February 18, 2013**

### **Parkinson's disease: Other than motor**

Chairs: *J. Jankovic and E. Melamed*

- 14:20 **Skeletal abnormalities in movement disorders**  
*J. Jankovic*
- 14:50 **The neurology of olfaction**  
*N. Sobel*
- 15:20 **Autonomic failure in PD: A window to pathophysiology**  
*Y. Sharabi*
- 15:40 **Practical strategies for the management of sexual problems in PD**  
*G. Bronner*

### **Therapeutic Skills Workshops**

Coordinators: *Sharon Hassin-Baer and Rivka Inzelberg*

- 16:00 **Coffee break**

### **Normal Pressure Hydrocephalus: Evaluation and decisions**

- 16:15 **Clinical aspects**  
*S. Hassin-Baer*
- 16:35 **Neuropsychological profile and testing in NPH**  
*S. Lerman*
- 16:55 **Neuroimaging and neurosurgical aspects of NPH**  
*Y. Zauberman*

### **Movement disorders of the face and neck**

- 17:15 **Clinical syndromes**  
*T. Gurevich*
- 17:45 **Botulinum toxin: Otolaryngology + maxillofacial applications**  
*A. Arad*
- 18:15 **Refreshments**

### **Imaging of the basal ganglia**

- 18:30 **Structural imaging**  
*G. Grinberg*
- 19:00 **Radionucleic imaging**  
*R. Djaldetti*

**Monday, February 18, 2013**

## **SESSION II**

### **Cutting Edge Neuroscience in Clinical Practice: The Interplay of Thrombin and the Brain**

Coordinator: *Joab Chapman*

- 08:30 **Overview of the coagulation system and the new drugs in the field**  
*Dr. Lubetski*
- 09:15 **The role of thrombin and thrombin receptors in stroke, ischemia and hemorrhage**  
*G. Xi*
- 10:00 **Coffee break**
- 10:20 **A new assay for thrombin activity in stroke**  
*D. Bushi*
- 11:00 **The role of thrombin receptors in the brain in health and disease**  
*B. Citron*
- 11:30 **The electrophysiology of thrombin receptors in the brain**  
*N. Maggio*
- 12:00 **The role of thrombin and its receptors in brain trauma**  
*Z. Itzikson*
- 12:30 **Lunch**
- 13:30 **The importance of PARs in cancer**  
*R. Bar-Shavit*
- 14:10 **The role of ras inhibition in cancer therapy**  
*Y. Kloog*
- 14:50 **The localization and role of PAR1 in brain tumors**  
*E. Shavit-Stein*

## **FULL DAY WORKSHOP**

### **Pain Syndromes Workshop**

Coordinators: *Robert D. Gerwin and Vadim Tachlykov*

A workshop on the myogenic or muscular basis of headache will present for discussion the most recent findings that relate myofascial triggers to the development of tension type headache as well as triggering the trigeminal vascular cascade that leads to migraine headache. There will be demonstrations of the examination of the relevant musculature, and of treatment by deep dry needling. Common and

uncommon muscles, including the levator scapulae, the anterior scalene, the longus colles, zygomaticus, and oblique capitis inferior muscles, will be featured. There will be an opportunity to practice deep dry needling under the guidance of experienced clinicians. The workshop will start at 09:00 and end at 16:00 and includes lunch and coffee breaks.

## **Tuesday, February 19, 2013**

### **SESSION I**

#### **Headache & General Pain**

Coordinators: *Robert D. Gerwin, Amnon Mosek*

**09:00 Greetings**

**09:05 Primary headaches: Pathophysiology**  
*D. Yarnitski*

**10:00 Primary headaches as myofascial pain syndrome**  
*R.D. Gerwin*

**10:45 Coffee break**

**11:15 Physiotherapy in chronic head & neck pain**  
*T. Greenbaum*

**12:00 Invasive treatment of headache disorders (Lecture provided by St. Jude Medical Company)**  
*P. Martelletti*

**12:45 Lunch**

**13:45 Neuromodulation in headache treatment (Lecture provided by St. Jude Medical Company)**  
*P. Martelletti*

**14:30 Medications for acute & prophylactic treatment of primary headaches**  
*A. Kuritzky*

**15:30 The role of opioids in pain treatment**  
*G.W. Pasternak*



## **SESSION II**

### **Traumatic Brain Injury**

Coordinator: *Chaim G. (Chagi) Pick*

**09:00 Greetings**

**09:05 Looking back at brain injury**

*M. Feinsod*

**10:00 Clinical differences between PTSD and blast**

*S. Schreiber*

**10:45 Coffee break**

**11:15 New treatment strategies for mild traumatic brain injury in rodent models based on biochemical and behavioral correlates**

*N. Greig*

**12:00 New insights into neuro protection effect following brain trauma**

*V. Rubovitch*

**12:45 Lunch**

**13:45 Nrf2 activator, improved cognitive performance following mTBI**

*B. Citron*

**14:30 Brain trauma and pain**

*R. Defrin*

**15:15 TBI in children**

*S. Constantini*

## General Information

**www.neurophysiology-conference.com**

**Venue:** Crowne Plaza Hotel  
Jerusalem, Israel

**Date:** February 17-19, 2013

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

**Registration Fee** of €395 includes participation in all scientific sessions and workshops, syllabus, get together reception, 2 lunches and coffee breaks. The fee is valid until December 25, 2012. After that the fee is €485.

**Accompanying Persons:** Fee includes get together reception (February 17), Tour #2 - full day tour of Jerusalem (February 17), and gala dinner and Israel Museum tour (February 19). Does not include entry into scientific sessions.

Fee: €150

**Get Together Reception:** Sunday, February 17

**Gala Dinner and Tour of Israel Museum:**

Tuesday, February 19

Fee: €95

Depart Crowne Plaza Hotel at 18:00

**Hotel accommodations** include bed, full Israeli buffet breakfast and 15% service charge. Official check-in time for hotels is 14:00 and check-out is 10:30. Saturday check-in is approximately 19:30. All requests for accommodations must be prepaid.

	single room (1 person)	double room (2 people)
Crowne Plaza (venue)	€115	€130
Jerusalem Gate Hotel*	€75	€90
*5 minute walk to venue		

**Cancellation Policy:** Registration cancellations received before January 15, 2013 are subject to a service charge and bank fee of €50. No refunds will be made on

cancellations received after January 15, 2013.

**Hotel cancellations** after February 15, 2013 may be charged one night's fee.

**Abstracts** of approximately 300 words on the course topics are invited and should be submitted in WORD format to the Secretariat before December 20, 2012 to: seminars@isas.co.il and by fax to +972-2-6520558. Abstract presenters will be notified of acceptance of their abstract by January 10, 2013.

**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 40 minutes from Jerusalem. Nesher shuttle service provides fast and economic transportation to Jerusalem.

**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.

**Conference Secretariat:**

ISAS International Seminars

POB 574, Jerusalem, Israel 91004

Tel: +972-2-6520574, Fax: +972-2-6520558

email: seminars@isas.co.il

www.neurophysiology-conference.com

## Tours

### **Tour #1: Jerusalem - New City**

**Friday, February 15**

Half day tour

Depart Crowne Plaza Hotel at 08:00. Hear story of 1948 Palmach fighters' battles to save Jerusalem. Visit and tour Yad Vashem Memorial to the six million Holocaust victims. Pass by the churches of Ein Kerem, and return via Mt. Herzl, the Knesset and Israel's new Supreme Court building.

Price: €29



### **Tour #2: Jerusalem - New and Old City**

**Sunday, February 17**

Full day tour

Depart Crowne Plaza Hotel at 08:00. Hear story of 1948 Palmach fighters' battles to save Jerusalem. Pass by the churches of Ein Kerem and the Yad Vashem Memorial to the six million Holocaust victims. Pass Mt.

Herzl and the Knesset and Israel's new Supreme Court building. After lunch (not included) visit the Old City of Jerusalem and tour on foot Mt. Zion, King David's Tomb, the Room of the Last-Supper, Dormition Church, Zion Gate, and three Old City Quarters - Armenian, Jewish and Christian. Visit the Cardo - the reconstructed main street of Byzantine Jerusalem from the 6th century - the Western Wall, Via Dolorosa, Church of the Tomb, exit the Old City to the bus and return to hotel. Price: €50



**Tour #3: Northern Israel**  
**Two Day Overnight Tour: February 20-21**  
**Day 1: Wednesday, February 20**  
**Caesarea, Haifa & Acre**

Depart Jerusalem 08:00 via Tel Aviv, Israel's first modern city built on sand dunes. Pass Netanya on the coastal road to King Herod's ancient Roman port city of Caesarea, a UNESCO World Heritage site. Tour the ancient port, Hippodrome and Crusader buildings and experience the new museum and film that take you back 2000 years. Pass Zichron Yaakov and hear about the vineyards and city that Baron Rothschild built nearly 100 years ago. Tour Haifa, pass the Carmel Mountains, Stella Maris and Bahai Gardens and exit Haifa north towards Acre. Break for lunch (not included). Visit UNESCO World Heritage site of the Crusader underground city - Acre. Tour ancient port, the marketplace and, time permitting, the citadel prison where the British jailed Israel's pre-state fighters. Overnight in the Galilee. (Dinner included)

**Day 2: Thursday, February 21**  
**Galilee and Jordan Valley**

Depart Galilee hotel at 08:00. Highlights: Visit Church of the Beatitudes, Capernaum, Tabgha and the Church of the Multiplication of the

Loaves and the Fishes, Take a short walk on the Gospel Trail. Lunch at Capernaum. Travel north around Sea of Galilee into the Golan Heights and tour ancient Jewish city of Gamla. Drive south along the Jordan River and tour Scitopolis Bet Shaan - Roman amphitheatre. Return to Jerusalem via Jordan Valley. Lunches not included. Price: €190 (per person in double room)  
Single Room: €235

#### **Tour #4: Masada, Qumran, Dead Sea** **Friday, February 22**

Depart Jerusalem and descend through the beautiful scenery of the Judean Desert to the lowest point on Earth - the Dead Sea. Drive along the sea, pass by Qumran where the Dead Sea Scrolls were found and continue to Masada - the ancient fortress built by Herod the Great in the 1st Century B.C.E. - the last Jewish stronghold during the revolt against the Romans. Ascend Masada by cable car, take in the magnificent views and tour the fascinating excavations. Bring water, hat, walking shoes, bathing suit & towel (there may be time for a dip in the Dead Sea). Return to Jerusalem at 16:00.

Price: €79



- All itineraries are subject to change and require a minimum of 15 participants per tour.
- For additional tours and extensions please contact the Secretariat.
- Pickup from conference venue lobby at 08:00.

## Registration Form Neurophysiology 2013

To register on line: [www.neurophysiology-conference.com](http://www.neurophysiology-conference.com)

Please type or print in block letters and return to:

ISAS International Seminars, POB 574, Jerusalem 91004, Israel

Tel: +972-2-6520574 • Fax: +972-2-6520558 • Email: [register@isas.co.il](mailto:register@isas.co.il)

Surname: .....

First Name: .....

Email: .....

Place of Work: .....

Mailing Address: ☐ Home ☐ Work .....

City: .....

Country: .....

Postal Code: .....

Tel: .....

☐ Please reserve a ☐ single room ☐ double room\*

at the .....

Hotel .....

check in date .....

check out date .....

# of nights .....

I will share my room with \* .....

\* It is the sole responsibility of the participants to find a roommate. In the absence of a roommate, single occupancy price will be charged.

Conference Registration .....

€ .....

Accompanying person (Name .....

) € .....

Hotel Accommodations .....

€ .....

☐ Gala Dinner and Tour .....

seat(s) € .....

☐ Tour1: Jerusalem: New City .....

seat(s) € .....

☐ Tour2: Jerusalem: New and Old City .....

seat(s) € .....

☐ Tour3: Northern Israel .....

seat(s) € .....

☐ Tour4: Masada, Qumran, Dead Sea .....

seat(s) € .....

Total .....

€ .....

☐ Enclosed please find my check payable to ISAS Int'l Seminars.

☐ Bank transfer (copy enclosed) to ISAS International Seminars  
Bank Leumi, Branch #687, 19 King David St., Jerusalem, Israel  
IBAN CODE: IL 79 0106 8700 0000 0940 041

Swift Account: LUMIILIT, Account Number 9400/41

☐ Charge my credit card: ☐ VISA ☐ DINERS ☐ MC ☐ AMEX

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