

ANNUAL CONFERENCE OF THE ISRAELI LEAGUE AGAINST EPILEPSY



PROGRAM

22 January, 2020
Dan Hotel, Tel Aviv, Israel

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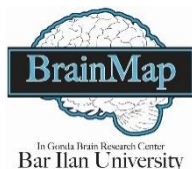
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SCIENTIFIC PROGRAM



08:00 Registration, coffee and visit the exhibition

08:30 - 09:00

OPENING SESSION

08:30 WELCOME AND OPENING REMARKS

Dana Ekstein

President, Israeli League Against Epilepsy

08:38 ANNUAL REPORT OF THE ISRAELI LEAGUE AGAINST EPILEPSY

Meir Bialer

Secretary and Treasurer, International League Against Epilepsy

08:46 THE AUDIT COMMITTEE

Miri Y. Neufeld

08:55 Eyal Israeli Epilepsy Association

Gary Jason

Chairman of Eyal

09:00 - 10:20

SESSION I

Chairpersons: **Sara Eyal**, Israel
Ilan Goldberg, Israel

09:00 The Influence of the Timing of EEG Recording After a First Seizure on the Ability of the EEG to be a Prognostic Factor for Additional Seizures

Ella Rochberg¹, Dana Ekstein², Tal Gilboa³

¹Medical Student, Hadassah Medical School, Jerusalem, ²Dept. of Neurology, Hadassah Hebrew University Medical Center, Jerusalem, ³Child Neurology Unit, Hadassah Hebrew University Medical Center, Jerusalem, Israel

09:13 Levetiracetam and Hypokalemia - Single Center Study

Nir Hersh^{1,2}, Bronya Calvarysky³, Dana Yelin^{4,5}, Felix Benninger^{1,5}

¹Dept. of Neurology, Rabin Medical Center, Beilinson Hospital, Petach Tikva, ²Dept. of Neurology, Bnei Zion, Haifa, ³Pharmacy Services, Rabin Medical Center, Beilinson Hospital, Petach Tikva, ⁴Infectious Diseases Unit, Rabin Medical Center, Beilinson Hospital, Petach Tikva, ⁵Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

09:26 Felbatol Role in Intractable Pediatric Epilepsy: Should We Keep on Using it as the Last Resort?

Michal Tzadok, Andrea Nissenkorn, Gali Heimer, Omer Bar Yosef, Efrat Zohar Dayan, Bruria Ben-Zeev

Pediatric Neurology, Edmond and Lily Safra Children's Hospital, Chaim Sheba Medical Center, Ramat Gan, Israel



09:00 - 10:20

SESSION I (cont.)

09:39 Intravenous Lacosamide (LCM) in Nonconvulsive Status Epilepticus (NCSE) and Seizure Clusters (SC): Dose and Efficacy
Anda Eilam¹, Nadejda Hmelnikov², Dalit Panker², Ronit Gilad^{2,3}
¹Neurology, Kaplan Medical Center, Rehovot, ²Dept. of Neurology, Kaplan Medical Center, Rehovot, Israel, ³Hebrew University Hadassah Medical School, The Hebrew University of Jerusalem, Jerusalem, Israel

09:52 **Invited Guest Lecture**
Creation of the First Neurosteroid Drug
Michael A. Rogawski
Professor of Neurology and Pharmacology, University of California, Davis, Sacramento, CA, USA

10:20 *Short Break*

10:35 - 11:36

SESSION II

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Chairpersons: **Dana Ekstein**, Israel
Tally Sagie Lerman, Israel

10:35 **Invited Guest Lecture**
The Promise of Precision Medicine in the Epilepsies
Ingrid Scheffer
The University of Melbourne, Austin Health and Royal Children's Hospital, Florey and Murdoch Children's Research Institutes, Melbourne, Australia

11:05 Discussion

11:10 Paroxysmal Slow Cortical Activity in Alzheimer's Disease and Epilepsy is Underlied by Blood-Brain Barrier Dysfunction Related TGF-B Signaling
Dan Z Milikovsky^{1,2}, Jonathan Ofer¹, Vladimir V. Senatorov Jr.^{3,4,5}, Aaron A Friedman⁴, Ofer Prager¹, Liron Sheintuch¹, Netta Elazari¹, Ronel Veksler¹, Daniel Zelig¹, Itai Weissberg¹, Guy Bar-Klein⁶, Evyatar Swissa¹, Erez Hanael⁷, Gal Ben-Arie⁸, Osnat Schefenbauer¹, Lyna Kamintsky⁹, Rotem Saar-Ashkenazy^{1,10}, Ilan Shelef⁸, Merav H Shamir⁷, Ilan Goldberg¹¹, Amir Glik^{12,13,14}, Daniela Kaufer^{3,4}, Alon Friedman^{1,9}, Felix Benninger^{12,14}
¹Deps. of Physiology and Cell Biology, Cognitive and Brain Sciences, Zlotowski Center for Neuroscience, Ben Gurion University of the Negev, Beer Sheva, Israel, ²Dept. of Neurology, Tel Aviv Medical Center, Tel Aviv, Israel, ³Helen Wills Neuroscience Institute, University of California, Berkeley, CA, USA, ⁴Dept. of Integrative Biology, University of California, Berkeley, CA, USA, ⁵Berkeley Stem Cell Center, University of California, Berkeley, CA, USA, ⁶Howard Hughes Medical Institute and the Institute of Genetic Medicine, Johns Hopkins University, School of Medicine, Baltimore, MD, USA, ⁷Koret School of Veterinary Medicine, The Hebrew University of Jerusalem, Rehovot, Israel, ⁸Dept. of Medical Imaging, Soroka University Medical Center, Beer Sheva, Israel, ⁹Dept. of Medical Neuroscience, Dalhousie University, Halifax, NS, Canada, ¹⁰Faculty of Social Work, Ashkelon Academic College, Ashkelon, Israel, ¹¹Dept. of Neurology, Wolfson Medical Center, Holon, Israel, ¹²Dept. of Neurology, Rabin Medical Center, Beilinson Hospital, Petach Tikva, Israel, ¹³Cognitive Neurology Clinic, Rabin Medical Center, Beilinson Hospital, Petach Tikva, Israel, ¹⁴Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel



10:35 - 11:36

SESSION II (cont.)

- 11:23 Combined Pharmaceutical Approach Prevents Seizure-Induced BBB Dysfunction
Udi Vazana¹, Ofer Prager¹, Alon Friedman^{1,2}
¹Physiology and Cell Biology, Ben Gurion University of the Negev, Beer Sheva, Israel,
²Medical Neuroscience, Dalhousie University, Halifax, NS, Canada

11:36 *Coffee, Exhibition and e-Poster Session*

Moderators: **Felix Benninger**, Israel
Tal Gilboa, Israel

12:10 - 13:48

SESSION III

Chairpersons: **Firas Fahoum**, Israel
Naomi Levy, Israel

- 12:10 Dual array EEG FMRI
Mordekhay Medvedovsky
Dept. of Neurology, Hadassah Medical Center, Jerusalem, Israel
- 12:35 Pre-Operative Localization of Epileptogenic Zones by Magnetic Source Imaging, Electroencephalography-Correlated Functional Magnetic Resonance Imaging and their Combination
Assaf Berger^{1,2}, Noa Cohen^{3,2}, Firas Fahoum^{4,2}, Mordekhay Medvedovsky^{5,6}, Aaron Meller^{3,2}, Dana Ekstein^{5,6}, Mony Benifla^{7,8}, Orna Eisenstein^{9,2}, Itzhak Fried^{1,2}, Tomer Gazit^{3,2}, Ido Strauss^{1,2}
¹Dept. of Neurosurgery, Tel Aviv Sourasky Medical Center, Tel Aviv, ²Sackler School of Medicine, Tel Aviv University, Tel Aviv, ³Sagol Brain Institute, Tel Aviv Sourasky Medical Center, Tel Aviv, ⁴Dept. of Neurology, Tel Aviv Sourasky Medical Center, Tel Aviv, ⁵Dept. of Neurology, Hadassah Medical Center, Jerusalem, ⁶Hebrew University Hadassah Medical School, Hebrew University, Jerusalem, ⁷Dept. of Neurosurgery, Rambam Health Care Campus, Haifa, ⁸Rappaport Faculty of Medicine, Technion, Haifa, ⁹Dept. of Radiology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel
- 12:43 fMRI Evaluation of Memory Lateralization for Pre-Surgery Planning of Epilepsy Patients
Tal Benoliel¹, Atira Bick², Dana Ekstein¹, Netta Levin¹
¹Dept. of Neurology, Hadassah Medical Center, Jerusalem, ²FMRI Unit Dept. of Neurology, Hadassah Medical Center, Jerusalem, Israel
- 12:56 Prediction of Tuberous Sclerosis-Associated Neuropsychiatric Disorders via Machine Learning of Structural Magnetic Resonance Imaging
Shai Shrot¹, Philip Lawson¹, Omer Shlomovitz², Chen Hoffmann¹, Anat Shrot¹, Michal Tzadok²
¹Dept. of Diagnostic Imaging, Chaim Sheba Medical Center, Ramat Gan, Israel, ²Pediatric Neurology Unit, Edmond and Lily Safra Children's Hospital, Chaim Sheba Medical Center, Ramat Gan, Israel



12:10 - 13:48

SESSION III (cont.)

- 13:09 Syntactic, Lexical, and Reading Difficulties in Adolescents with Childhood Epilepsy with Centrottemporal Spikes
Veronika Chernuha¹, Uri Kramer², Gur Shalom³, Naama Fridmann³, Aviva Fattal-Valevski^{4,2}
¹Pediatric Neurology Institute, Dana Dwek Children's Hospital, Tel Aviv, ²Sakler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel, ³Israel School of Education and Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, ⁴Pediatric Neurology Insitute, Dana Dwek Children's Hospital, Tel Aviv, Israel
- 13:22 Low Dynamics Index and Long Seizure Duration, serve as a Useful Tool to Identify Motor Psychogenic Non Epileptic Seizures
Raz Winer, Moshe Herskovitz
¹Eeg and Epilepsy Unit, Dept. of Neurology, Rambam Medical Center, Haifa, Israel
- 13:35 Knowledge and Attitudes of Medical Personal Regarding Patients with PNES
Tahani Sheikh Saker¹, Sari Eran Herskovitz⁴, Moshe Herskovitz^{2,3}
¹Dept. of Neurology, Rmabam Health Care Campus, Haifa, ²Eeg and Epilepsy Service, Dept. of Neurology, Rambam Health Care Center, Haifa, ³Faculty of Medicine, Technion, Institute of Technology, Haifa, Israel, ⁴Art Therapy, Ministry of Education, Haifa, Israel
- 13:48 *Lunch, Exhibition and e-Poster Viewing*
-

14:30 - 16:10

SESSION IV

Chairpersons: **Bruria Ben-Zeev**, Israel
Ilan Blatt, Israel

- 14:30 Results of the Elections
- 14:40 Best Paper Award
- 14:50 Semiology of Epileptic Seizures
Moshe Herskovitz^{1,2}
¹EEG and Epilepsy Service, Dept. of Neurology, Rambam Health Care Center, Haifa, ²Faculty of Medicine, Technion, Istitute of Technology, Haifa, Israel
- 15:20 Discussion
- 15:30 **Invited Guest Lecture**
Epilepsy Classification
Ingrid Scheffer
The University of Melbourne, Austin Health and Royal Children's Hospital, Florey and Murdoch Children's Research Institutes, Melbourne, Australia
- 16:00 Discussion



1. Interictal Epileptiform Discharge Dynamics in Peri-Sylvian Polymicrogyria Using EEG-FMRI
Noa Cohen^{1,2}, Yoram Ebrahimi¹, Mordekhay Medvedovsky³, Guy Gurevitch¹, Orna Aizenstein^{4,1}, Talma Hendler^{1,2}, Firas Fahoum^{5,2}, Tomer Gazit¹
¹Tel Aviv Center for Brain Functions, Tel Aviv Sourasky Medical Center, Tel Aviv, ²Sackler School of Medicine, Tel Aviv University, Tel Aviv, ³Dept. of Neurology, Hadassah University Medical Center, Jerusalem, ⁴Dept. of Diagnostic Imaging, Tel Aviv Sourasky Medical Center, Tel Aviv, ⁵Eeg and Epilepsy Unit, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel
2. Levetiracetam-Induced Seizure Aggravation
Tal Friedman Korn, Mordekhay Medvedovsky, Rima Bar Yosef, Dana Ekstein
Dept. of Neurology, Hadassah Medical Center, Jerusalem, Israel
3. Epileptic Networks in the Absence of the Corpus Callosum: EEG-FMRI Study
Itai Loushy¹, Tomer Gazit², Noa Cohen^{2,3}, Guy Gurevitch², Mordekhay Medvedovsky⁴, Jean Gotman⁵, Firas Fahoum^{1,3}
¹Dept. of Neurology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel, ²Sagol Brain Institute, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel, ³Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel, ⁴Dept. of Neurology, Hadassah Ein Kerm, Jerusalem, Israel, ⁵Montreal Neurological Institute and Hospital, Mc Gill University, Montreal, Canada
4. Digital Semiology: A Software for Ictal Dynamics Video Analysis
Tal Benoliel, Revital Zelker, Dana Ekstein, **Mordekhay Medvedovsky**
¹Dept. of Neurology, Hadassah Ein Kerm, Jerusalem, Israel
5. Toll-Like Receptor 3 Inhibition and its Effect on Epileptogenesis
Nir Hersh^{1,2}, Oded Shor^{3,4}, Alexey Vanichkin⁴, Felix Benninger^{3,4}
¹Dept. of Neurology, Rabin Medical Center, Beilinson Hospital, Petach Tikva, ²Dept. of Neurology, Bnei Zion, Haifa, ³Neurology, Rabin Medical Center, Petach Tikva, ⁴Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
6. Clinical-Correlates and Electroencephalographic Features of Firda in a Tertiary Center
Yair Mina¹, Firas Fahoum¹, Sergiu Abramovici², Saar Anis¹, **Svetlana Kipervasser**¹
¹Dept. of Neurology, Tel Aviv Medical Center, Tel Aviv, Israel, ²Neurology, UPMC Hamot Medical Center, Pittsburgh, PA, USA
7. Atypical Duration of Epileptic and Psychogenic Non-Epileptic Events
Anis Saar¹, Firas Fahoum^{2,3}, Amos D Korczyn³, Diana Sverdllov³, Sergiu Abramovici², Miri Y Neufeld^{2,3}, Yair Mina^{2,3}, **Svetlana Kipervasser**^{2,3}
¹Neurology, Tel Aviv Medical Center Center, Tel Aviv, ²EEG and Epilepsy Unit, Dept. of Neurology, Tel Aviv Sourasky Medical Center, Tel Aviv, ³Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel