

ANNUAL CONFERENCE OF THE ISRAELI LEAGUE AGAINST EPILEPSY



PROGRAM

20.1.2016
Leonardo City Tower
Ramat Gan, Israel

Sponsored by:



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08:00 Registration, Coffee / Tea and Visit to the Exhibition

08:45 - 09:00

OPENING SESSION

08:45 WELCOME AND OPENING REMARKS

I. Blatt

President, Israeli League Against Epilepsy

08:50 ANNUAL REPORT OF THE ISRAELI LEAGUE AGAINST EPILEPSY

M. Bialer

International Secretary and Treasurer

09:00 - 10:20

**SESSION I-A
CANNABIS FOR EPILEPSY IN ISRAEL**

Chairpersons: **B. Ben Zeev**, Israel
M. Bialer, Israel

09:00 ***Invited Guest Lecture***

MEDICAL CANNABIS: LOOKING BACK AND AHEAD

R. Mechoulam

Institute for Drug Research, Medical Faculty, The Hebrew University, Jerusalem, Israel

09:30 CBD-ENRICHED MEDICAL CANNABIS FOR INTRACTABLE PEDIATRIC EPILEPSY

M. Tzadok¹, I. Linder², U. Kramer³, S. Menascu³, T. Lerman-Sagie², M. Dor⁴,
B. Ben Zeev¹

¹Pediatric Neurology Unit, The Chaim Sheba Medical Center, Tel Hashomer, ²Pediatric Neurology, Wolfson Medical Center, Holon, ³Pediatric Neurology, Tel Aviv Sourasky Medical Center, Tel Aviv, ⁴Medical Cannabis Unit, Ministry of Health, Tel Aviv, Israel

09:40 TREATMENT OF PEDIATRIC INTRACTABLE EPILEPSY WITH VAPORIZED CANNABIDIOL (CBD) AND Δ 9-TETRAHYDROCANNABINOL (THC)- PRELIMINARY FINDINGS OF THE ISRAELI PEDIATRIC MEDICAL CANNABIS (MC) COHORT

I. Linder¹, M. Tzadok², S. Menascu³, B. Ben-Zeev², T. Lerman-Sagie¹, U. Kramer³

¹Pediatric Neurology Unit, Wolfson Medical Center, Holon, ²Pediatric Neurology Unit, The Chaim Sheba Medical Center, Tel Hashomer, ³Pediatric Neurology Unit, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

09:50 EVIDENCE AND REGULATIONS FOR USE OF CANNABIS IN EPILEPSY IN WESTERN COUNTRIES

D. Ekstein

Dept. of Neurology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel

10:00 RECOMMENDATIONS FOR THE USE OF CBD-ENRICHED MEDICAL CANNABIS FOR INTRACTABLE EPILEPSY IN ADULTS

I. Blatt

Dept. of Neurology The Chaim Sheba Medical Center, Tel Hashomer, Israel

10:10 DISCUSSION

SCIENTIFIC PROGRAM (cont.)

10:20 - 11:20

SESSION I-B PLATFORM SESSION

Chairpersons: **S. Appel**, Israel
T. Gilboa, Israel

- 10:20 SPECTRAL PROPERTIES OF EEGS OF DRAVET SYNDROME PATIENTS: MISSENSE VERSUS NONSENSE MUTATIONS
D. Yakubovich¹, **S-E. Bercovich**², B. Ben-Zeev³, M. Tzadok³, O. Bar Yosef³, G. Heimer³, T. Strauss¹, A. Nissenkorn³
¹Dept. of Neonatology, Edmond and Lily Safra Children's Hospital, The Chaim Sheba Medical Center, Tel Hashomer, ²Joyce and Irving Goldman Medical School, Ben Gurion University of the Negev, Be'er Sheba, ³Pediatric Neurology Unit, Edmond and Lily Safra Children's Hospital, The Chaim Sheba Medical Center, Tel Hashomer, Israel
- 10:35 A NOVEL CHEMO-OPTOGENETIC MODEL OF FOCAL INDUCIBLE EPILEPTIC SEIZURES
R. Mitelman, D. Rubi Levy, I. Lampl, O. Yizhar
Dept. of Neurobiology, Weizmann Institute of Science, Rehovot, Israel
- 10:50 RANDOM ITERATIVE MULTIPLE DIPOLE ANALYSIS (RIMDA)
O. Arviv^{1*}, **Y. Harpaz**^{1*}, M. Medvedovsky^{2,3}
¹The Leslie and Susan Gonda (Goldschmied) Multidisciplinary Brain Research Center, Electromagnetic Brain Imaging Unit, Bar Ilan University, Ramat Gan, ²Brain Function Imaging Unit, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel, ³Bio Mag Laboratory, Hus Medical Imaging Center, University of Helsinki and Helsinki University Hospital, Helsinki, Finland
*O. A. and Y. H. contributed equally to this work.
- 11:05 THE INFLUENCE OF EPILEPTIC ACTIVITY DURING SLEEP ON COGNITIVE PERFORMANCES IN CHILDREN WITH BENIGN CHILDHOOD EPILEPSY
A. Nissenkorn^{1,2}, A. Pappo³, Y. Friedman², M. Tzadok², G. Heimer², O. Bar Yosef², B. Ben Zeev²
¹Service for Rare Disorders, The Chaim Sheba Medical Center, Tel Hashomer, ²Pediatric Neurology Unit, The Chaim Sheba Medical Center, Tel Hashomer, ³Tel Aviv University, Tel Aviv, Israel
- 11:20 Coffee Break and Visit of the Exhibition



11:40 - 13:25

SESSION II

Chairpersons: **F. Fahoum**, Israel
H. Goldberg-Stern, Israel

- 11:40 **Invited Guest Lecture**
THE PHARMACOLOGIC TREATMENT OF GENERALIZED EPILEPSIES
F. Vigevano
Director of Neuroscience Department, Bambino Gesù Children's Hospital, Rome, Italy
- 12:25 PHARMACOGENETIC STUDY OF AED HYPERSENSITIVITY IN ISRAEL
S. Eyal
Institute for Drug Research, School of Pharmacy, The Hebrew University, Jerusalem, Israel



11:40 - 13:25

SESSION II (cont.)

- 12:40 FUNCTIONAL ANALYSIS OF MISSENSE MUTATIONS IN THE SCN1A GENE AND THEIR INFLUENCE UPON MECHANISTIC TREATMENT OF EPILEPSY
A. Nissenkorn^{1,2}, M. Rubinstein³, Y. Haitin³, B. Ben Zeev², N. Dascal³
¹Service for Rare Disorders, The Chaim Sheba Medical Center, Tel Hashomer, ²Pediatric Neurology Unit, The Chaim Sheba Medical Center, Tel Hashomer, ³Dept. of Physiology and Pharmacology and Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, Israel
- 12:55 VIGABATRIN EFFECT ON MRI IN INFANTS WITH INFANTILE SPASMS - HOW SHOULD WE APPROACH IT?
G. Heimer, M. Tzadok, A. Nissenkorn, O. Bar-Yosef, B. Ben-Zeev
 Pediatric Neurology Unit, The Chaim Sheba Medical Center, Tel Hashomer, Israel
- 13:10 EFFECTS OF SEIZURES ON CEREBRAL EXPRESSION OF ESSENTIAL COMPOUND CARRIERS IN THE RAT
A. Mann¹, D. Ekstein², M. Benifla³, T. Ben Hur², S. Eyal¹
¹Institute for Drug Research, School of Pharmacy, The Hebrew University of Jerusalem, Jerusalem, ²Dept. of Neurology, Hadassah Hebrew University Medical Center, Jerusalem, ³Dept. of Neurosurgery, Hadassah Hebrew University Medical Center, Jerusalem, Israel
- 13:25 *Lunch and Visit of the Exhibition*



14:20 - 16:00

SESSION III

Chairpersons: **M. Boxer**, Israel
I. Noyman, Israel

- 14:20 **Invited Guest Lecture**
 THE THERAPEUTIC APPROACH TO EPILEPTIC ENCEPHALOPATHIES
F. Vigevano
 Director of Neuroscience Dept., Bambino Gesù Children's Hospital, Rome, Italy
- 15:05 CHARACTERIZATION OF A FIRST UNPROVOKED SEIZURE DURING MILITARY SERVICE
R. Cohen¹, A. Tsur², A. Honig³, S. Eyal¹, D. Ekstein⁴
¹Institute for Drug Research, The Hebrew University of Jerusalem, Jerusalem, ²Tzameret Medical Track, The Hebrew University of Jerusalem, Jerusalem, ³Israeli Defense Forces Medical Corps, IDF, Israel, ⁴Epilepsy Center, Dept. of Neurology, Hadassah Medical Center, Jerusalem, Israel
- 15:20 ANTI LGI1-RELATED AUTOIMMUNE EPILEPSY - CASE SERIES
 N. Omer¹, J. Molad¹, M. Neufeld^{1,2}, **F. Fahoum**¹
¹Dept. of Neurology, Tel Aviv Sourasky Medical Center, Tel Aviv, ²Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
- 15:35 STEREOTYPY OF PSYCHOGENIC NON EPILEPTIC SEIZURES
M. Herskovitz^{1,2}
¹EEG and Epilepsy Service, Dept. of Neurology, Rambam Health Care Center, Haifa, ²Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel
- 15:48 SEIZURES IN COMATOSE SURVIVORS TREATED WITH HYPOTHERMIA
A. Eilam¹, R. Gilad²
¹Dept. of Neurology, Edith Wolfson Medical Center, Holon, ²Dept. of Neurology, Kaplan Medical Center, Rehovot, Israel
- 16:00 *Coffee Break and Visit of the Exhibition*



Chairpersons: **A. Eilam**, Israel
M. Herskovitz, Israel

- 16:15 OCCURRENCE OF WITHDRAWAL SEIZURES IN PATIENTS FROM A TERTIARY EPILEPSY CLINIC
E. Hofi¹, M. Nassar², D. Blatch³, S. Eyal¹, D. Ekstein⁴
¹Institute for Drug Research, The Hebrew University of Jerusalem, Jerusalem, ²Internship, Rambam Medical Center, Haifa, ³Dept. of Neurology, Hadassah Hebrew University Medical Center, Jerusalem, ⁴Epilepsy Center, Dept. of Neurology, Hadassah Medical Center, Jerusalem, Israel
- 16:25 BROAD SPECTRUM OF GRIN2A MUTATIONS IN EPILEPSY-APHASIA SYNDROMES
S. Menascu, U. Kremer, A. Fattal-Valevski
Dept. of Pediatric Neurology, Tel Aviv University, Dana Duek Children's Hospital, Tel Aviv, Israel
- 16:35 SEIZURES AS PRESENTING AND PROMINENT SYMPTOM IN CHOREA-ACANTHOCYTOSIS WITH C.2343DEL VPS13A GENE MUTATION
F. Benninger¹, A. Zaid², A.D. Korczyn³, K.L. Oliver⁴, M. Pendziwiat⁵, M. Nakamura⁶, S. Akira⁶, I. Helbig^{7,5}, S.F. Berkovic⁸, I. Blatt⁹
¹Dept. of Neurology, Rabin Medical Center, Campus Beilinson, Petach Tikva, Israel, ²Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel, ³Dept. of Neurology, Tel Aviv University, Tel Aviv, Israel, ⁴Dept. of Medicine, Epilepsy Research Centre, University of Melbourne, Austin Health, Melbourne, Victoria, Australia, ⁵Dept. of Neuropediatrics, University Medical Center Schleswig Holstein, Christian Albrechts University, Kiel, Germany, ⁶Dept. of Psychiatry, Kagoshima University Graduate School of Medical and Dental Sciences, Kagoshima, Japan, ⁷Division of Neurology, The Children's Hospital of Philadelphia, Philadelphia, USA, ⁸Dept. of Medicine, Epilepsy Research Centre, Austin Health, The University of Melbourne, Heidelberg, Victoria, Australia, ⁹Dept. of Neurology, The Chaim Sheba Medical Center, Tel Hashomer, Israel
- 16:45 KCNQ2-R201C A GOF MUTATION: UNIQUE PRESENTATION OF NEONATAL ENCEPHALOPATHY
B. Ben Zeev¹, S. Mulkey², M. Tzadok¹, A. Nissenkorn¹, G. Heimer¹, O. Bar-Yosef¹, R. Cilio³, E. Cooper⁴,
Pediatric Neurology, Edmond and Lily Safra Children's Hospital, Sheba Medical Center¹, Pediatric neurology, University of Arkansas for Medical Sciences, Little Rock, Arizona, USA², Pediatric Neurology Unit, University of California San Francisco, San Francisco, USA³, Epilepsy Unit, Baylor College of Medicine, Huston, Texas, USA⁴
- 16:55 EEF1A2 (EUKARYOTIC ELONGATION FACTOR 1, ALFA-2) RELATED EARLY INFANTILE EPILEPTIC ENCEPHALOPATHY
I. Linder¹, I. Nezer-Kanner, A. Eden¹, S. Kivity¹, A. Zerem¹, L. Blumkin¹, D. Lev², T. Lerman-Sagie¹
¹Pediatric Neurology Unit, ²Genetics Institute, Wolfson Medical Center, Holon, Israel
- 17:05 DISCUSSION