

ANNUAL CONFERENCE OF THE ISRAELI LEAGUE AGAINST EPILEPSY



PROGRAM

21.1.2015
Leonardo City Tower
Ramat Gan, Israel

Sponsored by:



Secretariat: **Target Conferences Ltd.**
65 Derech Menachem Begin
PO Box 51227, Tel Aviv, 6713818
Tel: +972 3 5175150, Fax: +972 3 5175155
E-mail: target@target-conferences.com



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

08:40 - 10:45

SESSION I

Chairpersons: **I. Blatt**, Israel
A. Nissenkorn, Israel

08:40 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 **Presentation of Life-Achievement Award to Dr. S. Kivity**

Invited Lecture

THE APPROACH TO EPILEPSY MANAGEMENT SINCE 1974 AND THROUGH
THE NEW MILLENNIUM: DIAGNOSTIC METHODS, DRUG TREATMENT AND
PSYCHOSOCIAL INTERVENTION

S. Kivity
Pediatric Neurology Unit, Wolfson Medical Center, Holon; Epilepsy and EEG Laboratory,
Schneider Medical Center, Petach Tikva, Israel

09:25 KCNC1 HETEROZYGOUS MUTATION- A MAJOR NOVEL CAUSE FOR A NEW SYNDROME
OF PROGRESSIVE MYOCLONIC EPILEPSY-THE ISRAELI CONTRIBUTION

B. Ben-Zeev¹, R. Shtraussberg², Z. Afawi³, A. Nissenkorn¹, L. Helerman-Tusk¹, M. Muona⁴,
A. Elina Lehesjoki⁵, S.F. Berkovic⁶
¹Pediatric Neurology Unit, Edmond and Lilly Safra Medical Center, ²Pediatric Neurology Institute,
Schneider Children's Hospital, ³Sackler School of Medicine, Tel Aviv University, Israel, ⁴Institute
for Molecular Medicine Finland, University of Helsinki, Helsinki, Finland, ⁵Folkhälsan Institute of
Genetics, Helsinki, Finland, ⁶Epilepsy Research Center, Dept. of Medicine, University of
Melbourne, Austin Health, Heidelberg, Victoria, Australia

09:40 RARS2 MUTATIONS CAUSE EARLY ONSET EPILEPTIC ENCEPHALOPATHY WITHOUT
PONTO-CEREBELLAR HYPOPLASIA

D. Nishri¹, H. Goldberg-Stern², I. Noyman³, L. Blumkin⁴, S. Kivity⁴, H. Saitsu⁵, M. Nakashima⁵,
N. Matsumoto⁵, E. Leshinsky-Silver⁶, T. Lerman Sagie⁴, D. Lev^{4,6}
¹Child Neurology, Wolfson Medical Center, Tel Aviv, ²Dept. of Neurogenetics, Schneider's
Children Medical Center, Petach Tikva, ³Pediatric Neurology Unit, Soroka Medical Center,
Beer Sheva, ⁴Metabolic Neurogenetic Clinic, Wolfson Medical Center, Holon, Israel, ⁵Dept. of
Human Genetics, Graduate School of Medicine, Yokohama City University, Yokohama, Japan,
⁶Institute of Medical Genetics, Wolfson Medical Center, Holon, Israel

09:55 NEW MUTATION IN GRIN1 GENE EXPRESSED AS NEONATAL-ONSET DRUG-RESISTANT
EPILEPSY ASSOCIATED WITH MALFORMATION OF CORTICAL DEVELOPMENT

L. Shemer-Meiri¹, E. Banne², V. Meiner², N. Zelnik¹
¹The Pediatric Neurology Unit, Carmel Medical Center, Haifa, ²Clinical Genetics Center,
Hadassah Medical Center, Jerusalem, Israel

10:10 **MINI-SESSION: CANNABIS FOR INTRACTABLE EPILEPSY - 2015**

1. THE EVOLVING ROLE OF MEDICAL CANNABIS IN THE TREATMENT OF EPILEPSY
B. Ben-Zeev, Pediatric Neurology Unit, Chaim Sheba Medical Center, Tel Hashomer, Israel

2. CBD-ENRICHED MEDICAL CANNABIS FOR INTRACTABLE PEDIATRIC EPILEPSY:
THE CURRENT ISRAELI EXPERIENCE

M. Tzadok¹, S. Uliel-Siboni², I. Linder³, U. Kramer², O. Epstein⁴, A. Nissenkorn¹,
O. Bar Yosef¹, E. Hyman⁴, S. Menascu², T. Lerman-Sagie³, B. Ben-Zeev¹
¹Chaim Sheba Medical Center, Tel Hashomer, ²Tel Aviv Sourasky Medical Center, Tel Aviv,
³Wolfson Medical Center, Holon, ⁴Assaf Harofeh Medical Center, Zrifin, Israel

10:45 Coffee Break and Visit the Exhibition





11:05 - 13:20

SESSION II

Chairpersons: **D. Ekstein**, Israel
S. Eyal, Israel

11:05 **Invited Guest Lecture**

THE SEARCH FOR BETTER EPILEPSY TREATMENTS

M. Walker

Institute of Neurology, Dept. of Clinical and Experimental Epilepsy, University College London (UCL), London, UK

11:50 EFFECTS OF ANTI-EPILEPTIC DRUGS ON PLACENTAL TRANSPORT MECHANISMS: STUDIES IN A PLACENTAL CELL LINE

M. Rubinchik-Stern, M. Shmuel, S. Eyal

Institute for Drug Research, The Hebrew University of Jerusalem, Jerusalem, Israel

12:05 "BLOODY EPILEPTOGENESIS": THE ROLE OF THROMBIN

N. Maggio¹, G. Givaty², M. Boxer¹, N. Margolin¹, J. Chapman¹, I. Blatt¹¹Neurology, ²EEG and Epilepsy Unit, Dept. of Neurology, Chaim Sheba Medical Center, Tel Hashomer, Israel

12:20 THE ROLE OF TOLL-LIKE RECEPTOR 3 IN EPILEPSY

F. Benninger¹, A. Gross², I. Steiner¹, D. Offen³, E. Okun²¹Dept. of Neurology, Rabin Medical Center, Campus Beilinson, Petach Tikva, ²The Leslie and Susan Gonda Multidisciplinary Brain Research Center, Bar Ilan University, Ramat Gan,³Felsenstein Medical Research Institute, Tel Aviv University, Petach Tikva, Israel

12:35 THE EXTENSIVENESS OF INTERICTAL EPILPTIFORM DISCHARGES IN FOCAL EPILEPSY. DOES TIME MATTER?

P. Specktor Ryabinin, M. Herskovitz

Dept. of Neurology, Rambam Health Care Center, Haifa, Israel

12:50 FMRI EVALUATION OF MEMORY LATERALIZATION FOR PRE-SURGERY PLANNING OF EPILEPSY PATIENTS

A. Bick¹, D. Ekstein², O. Bennett³, S. Arzy¹, I. Matoth³, R. Bar-Yossef¹, M. Benifla⁴, N. Zilberman⁵, R. Eitan⁵, N. Levin¹¹Dept. of Neurology, Hadassah Hebrew University Medical Center, Jerusalem, ²Epilepsy Center, Dept. of Neurology, Hadassah Medical Center, Jerusalem, ³Dept. of Pediatrics, Hadassah Hebrew University Medical Center, Jerusalem, ⁴Dept. of Neurosurgery, Hadassah Hebrew University Medical Center, Jerusalem, ⁵Dept. of Psychiatry, Hadassah Hebrew University Medical Center, Jerusalem, Israel

13:05 CONNECTIVITY ANALYSIS OF RESTING STATE EEG RECORDINGS REVEALS DIFFERENCES BETWEEN PATIENTS WITH TEMPORAL LOBE EPILEPSY (TLE)

D. Inbar¹, M. Leite², V. Litvak², T. Ben-Hur¹, D. Ekstein¹¹Dept. of Neurology, Hadassah Hebrew University Medical Center, Jerusalem, Israel,²The Wellcome Trust Centre for Neuroimaging, UCL Institute of Neurology, London, UK13:20 *Lunch and Visit the Exhibition*

14:15 - 16:00

SESSION III

Chairpersons: **M. Benifla**, Israel
Y. Schiller, Israel

14:15 RISK OF SEIZURES AS A FUNCTION OF OCCUPATIONAL STRESS AND DISEASE SEVERITY IN MILITARY RECRUITS

S. Moshe^{1,2}, M. Tavor^{1,2}, M. Neufeld³, G. Chodick^{2,4}, O. Zack^{2,5}¹The Occupational Dept., Maccabee Healthcare Services, Holon, ²School of Public Health, Sackler Faculty of Medicine, Tel Aviv, ³EEG and Epilepsy Unit, Dept. of Neurology, Tel Aviv Medical Center, Sackler Faculty of Medicine, Tel Aviv, ⁴Medical Division, Maccabee Healthcare Services, Tel Aviv, ⁵Israel Defense Force, Medical Corps, Ramat Gan, Israel



14:15 - 16:00

SESSION III (cont.)

14:30 **Invited Guest Lecture**
NON-NEURAL MECHANISMS IN EPILEPSY
M. Walker
Institute of Neurology, Dept. of Clinical and Experimental Epilepsy, University College London (UCL), London, UK

15:15 **Invited Guest Lecture**
EPILEPSY IN THE MOVIES
Y. Donchin
Faculty of Medicine, The Hebrew University of Jerusalem, Israel

16:00 *Coffee Break and Visit the Exhibition*



16:15 - 17:15

SESSION IV

Chairpersons: **R. Gandelman-Marton**, Israel
N. Watemberg, Israel

- 16:15 THE EPILEPSY TRANSITION CLINIC: A SMOOTH TRANSITION FROM PEDIATRIC TO ADULT EPILEPSY CARE
M. Boxer¹, B. Ben-Zeev², A. Nissenkorn², M. Tzadok², N. Margolin¹, S. Appel¹, I. Blatt¹
¹Adult Epilepsy Clinic, Dept. of Neurology, ²Pediatric Epilepsy Clinic, Safra Children's Hospital, Chaim Sheba Medical Center, Tel-Hashomer, Israel
- 16:25 HEMISPHERECTOMY FOR INTRACTABLE EPILEPSY IN CHILDREN
M. Benifla, Y. Shoshan, I. Tamir, Y. Matoth, D. Ekstein, K. Rozovski, O. Bennet-Back
The Comprehensive Epilepsy Center, Hadassah Hebrew University Medical Center, Jerusalem, Israel
- 16:35 BRAT 1 MUTATION- A NEW CANDIDATE GENE RESPONSIBLE FOR EARLY NEONATAL EPILEPTIC ENCEPHALOPATHY
E. Ganelin-Cohen¹, R. Straussberg¹, H. Goldberg-Stern¹, S. Tzur², D. Behar², P. Smirin-Yosef², M. Salmon-Divon², L. Basel-Vanagaite²
¹Child Neurology, ²Genetics Unit, Schneider Children's Medical Center, Petach Tikva, Israel
- 16:45 ANTI-EPILEPTIC DRUGS USE DURING PREGNANCY AND LACTATION - TYPE OF INFORMATION PROVIDED BY SEARCHING GOOGLE
T. Lavi-Blau¹, D. Ekstein², M. Neufeld³, S. Eyal¹
¹Institute for Drug Research, The Hebrew University of Jerusalem, Jerusalem, ²Dept. of Neurology, Hadassah Hebrew University Medical Center, Jerusalem, ³EEG and Epilepsy Unit, Dept. of Neurology, Tel Aviv Medical Center, Sackler Faculty of Medicine, Tel Aviv, Israel
- 16:55 PHARMACISTS' KNOWLEDGE REGARDING TREATMENT WITH ANTIEPILEPTIC DRUGS
Y. Roth¹, M. Neufeld², I. Blatt³, D. Ekstein⁴, S. Eyal¹
¹Institute for Drug Research, The Hebrew University of Jerusalem, Jerusalem, ²EEG and Epilepsy Unit, Dept. of Neurology, Tel Aviv Medical Center, Sackler Faculty of Medicine, Tel Aviv, ³Dept. of Neurology, Chaim Sheba Medical Center, Tel Hashomer, ⁴Dept. of Neurology, Hadassah Hebrew University Medical Center, Jerusalem, Israel
- 17:05 DEVIATIONS FROM CRITICAL DYNAMICS IN INTER-ICTAL EPILEPTIFORM ACTIVITY
O. Arviv¹, L. Sheintuch^{2,3}, M. Medvedovsky⁴, A. Goldstein^{1,5}, A. Friedman^{2,3,6}, O. Shriki^{3,6}
¹The Leslie and Susan Gonda (Goldschmied) Multidisciplinary Brain Research Center, Electromagnetic Brain Imaging Unit, Bar Ilan University, Ramat Gan, ²Dept. of Biomedical Engineering, Ben Gurion University of the Negev, Beer Sheva, ³The Inter Faculty School for Brain Sciences, Zlotowski Center for Neuroscience, Ben Gurion University of the Negev, Beer Sheva, ⁴Brain Function Imaging Unit, Tel Aviv Sourasky Medical Center, Tel Aviv, ⁵Dept. of Psychology, Bar Ilan University, Ramat Gan, ⁶Dept. of Cognitive and Brain Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel