

Annual Conference
of the **Israeli League**
Against Epilepsy

הכנס השנתי של
הליגה הישראלית
למניעת אפילפסיה



JANUARY 27, 2021
9:30-15:30

VIRTUAL CONFERENCE

כנס וירטואלי

27 בינואר, 2021
9:30-15:30

ANNUAL VIRTUAL CONFERENCE OF THE ISRAELI LEAGUE AGAINST EPILEPSY

PROGRAM

27.1.2021

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9:30 - 9:45

OPENING SESSION

- 9:30 Welcome and Opening Remarks
Bruria Ben Zeev
President, Israeli League Against Epilepsy
- 9:35 Annual Report of The Israeli League Against Epilepsy
Meir Bialer
Secretary and Treasurer, International League Against Epilepsy
- 9:40 The Audit Committee
Ilan Blatt
Neurology, Sheba Medical Center, Ramat Gan, Israel

9:45 - 12:18

SESSION I

Chairpersons: **Moshe Hershkovitz**, Israel
Iris Noyman, Israel

- 9:45 **Invited Guest Lecture**
GENE THERAPY APPROACHES FOR THE TREATMENT OF EPILEPSY
Tawfeeq Shekh-Ahmad
Dept. of Pharmaceutics, The Institute for Drug Research, School of Pharmacy, Faculty of Medicine, Ein Karem, The Hebrew University of Jerusalem, Jerusalem, Israel
- 10:20 IMPLEMENTATION OF PERSONALIZED MEDICINE IN AUTISM AND EPILEPSY BY USING A COMPUTATIONAL FUNCTIONAL MODELING AND REPURPOSED DRUG SCREEN PLATFORM
Andreea Nissenkorn¹, Shane Wald-Altman^{2,3}, H Engel⁴, A Suez⁴, Tally Alony², Keren Polity⁵, R Rod⁶, Yanina Kasanetz-Stern, Mira Ginsberg¹, Lubov Blumkin¹, Yael Michaeli¹, Riki Sokol¹, Naama Yosha-Orpaz¹, Ronen Hady-Cohen¹, Dorit Lev¹, Miguel Weil⁴, Tally Lerman-Sagie¹
¹Pediatric neurology, Wolfson, Holon, ²QR Genetics, Tel Aviv, ³George Weiss Faculty for Life Sciences, Tel Aviv University, Tel Aviv, ⁴Blavatnick Center For Drug Discovery, Tel Aviv University, Tel Aviv, ⁵Alyn Rehabilitation Center, Jerusalem, Israel ⁶Child Development Center, Galilee Medical Center, Neharya, Israel



9:45 - 12:18

SESSION I (Cont.)

- 10:33 A FAMILY WITH A HETEROZYGOUS MUTATIONS IN EEF1A2 AND KCNT2 – WHICH IS THE GENE CAUSING THE PHENOTYPE?
Yael Michaeli¹, Ilan Linder², Mira Ginsberg¹, Lubov Lubkin¹, Ronen Hadi-Cohen¹, Ricki Sokol¹, Naama Yosha-Orpaz¹, Dorit Lev^{3,4}, Tali Lerman-Sagie^{1,4}, Andreea Nissenkorn^{1,4}
¹Dept. of Pediatric Neurology, Edith Wolfson Medical Center, Holon, ²Pediatric Epilepsy and Neurology Service, Barzilai Medical Center, Ashkelon, ³Institute of Medical Genetics, Edith Wolfson Medical Center, Holon, ⁴Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
- 10:41 PUM1 MUTATION PATHOGENIC VARIANT ASSOCIATED WITH EPILEPSY OF INFANCY WITH MIGRATING FOCAL SEIZURES
Yuval Cnaan¹, Tally Lerman-Sagie^{1,2}, Luba Blumkin^{1,2}, Mira Ginzberg¹, Yael Michaeli-Yosef¹, Riki Sokol¹, Ronen Hadi-Cohen¹, Naama Yosha-Orpaz¹, Dorit Lev^{2,3}, Keren Yosovich³, Ifat Netzer³, Andreea Nissenkorn^{1,2}
¹Pediatric Neurology Unit, Wolfson Medical Center, Holon, Israel ²Sackler Faculty Of Medicine, Tel-Aviv University, Tel-Aviv, Israel ³Institute Of Medical Genetics, Wolfson Medical Center, Holon, Israel
- 10:49 SEIZURES AS THE PRESENTING SYMPTOM OF ACUTE COVID-19 IN CHILDREN
Mohammed Kurd¹, Saar Hashavia², Shmuel Benenson³, Tal Gilboa¹
¹Pediatric Neurology, Hadassah Medical Center, Jerusalem, ²Pediatric Emergency dept., Hadassah-Hebrew University Medical Center, Jerusalem, ³Clinical Microbiology and Infectious Diseases, Hadassah-Hebrew University Medical Center, Jerusalem, Israel
- 11:02 RETENTION AND TOLERABILITY OF CBD-ENRICHED MEDICAL CANNABIS IN ADULT PATIENTS WITH DRUG RESISTANT EPILEPSY
Sahar Haj Yahia¹, Itai Loushy², Sara Eyal¹, Firas Fahoum^{2,3}
¹School of Pharmacy, Faculty of Medicine, Hebrew University of Jerusalem, Jerusalem, ²Epilepsy and EEG Unit, Dept. of Neurology, Tel Aviv Sourasky Medical Center, Tel Aviv, ³Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel
- 11:15 LEVETIRACETAM-INDUCED SEIZURE AGGRAVATION
Tal Friedman- Korn, Tal Benoliel, Mordekhay Medvedovsky, Dana Ekstein
Neurology, Hadassah Medical Center, Jerusalem, Israel



9:45 - 12:18

SESSION I (Cont.)

- 11:23 DOES VISUAL GO/NO-GO TASK DIFFERENTIATE BETWEEN RESPONDER AND RESISTANT JUVENILE MYOCLONIC EPILEPSY PATIENTS?
Sigal Glatt^{1,2,3,4}, Mor Yam³, Inbal Maidan², Firas Fahoum⁴
¹Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, ²Laboratory of Early Marker of Neurodegeneration, Center for the Study of Movement, Cognition and Mobility, Neurological Institutes of Neurodegeneration, Tel Aviv Medical Center, Tel Aviv, ³Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, ⁴Epilepsy Unit, Neurological Institute, Tel Aviv Medical Center, Tel Aviv, Israel
- 11:31 THE PREVALENCE OF REM SLEEP ONSET SEIZURES IN A COHORT OF PATIENTS WHO DIED OF SUDEP
Lilach Goldstein¹, Roozbeh Rasekhi², Michael R Sperling², Maromi Nei²
¹Neurology, Tel Aviv Medical Center, Tel Aviv, Israel ²Neurology, Thomas Jefferson, Philadelphia, USA
- 11:39 TUMOR RELATED EPILEPSY IN THE ISRAELI POPULATION
Idit Tamir², Lena Sulima¹, Berkowitz Shani², Felix Benninger²
¹Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, ²Neurosurgery, Rabin Medical Center, Petach-Tikva, Israel
- 11:52 THE EFFECT OF ANTIEPILEPTIC DRUGS ON THE PLACENTAL BARRIER FOR COMPOUNDS ESSENTIAL FOR FETAL DEVELOPMENT IN HUMANS
Erez Berman¹, Elkana Kohn², Matitiah Berkovitch², Michal Kovo³, Sara Eyal¹
¹Institute for Drug Research, School of Pharmacy, The Hebrew University in Jerusalem, Jerusalem, Israel ²Clinical Pharmacology & Toxicology Unit, Shamir Medical Center, Tzrifin, Israel ³Dept. of Obstetrics & Gynecology, Edith Wolfson Medical Center, Holon, Israel
- 12:05 UNFOLDING FEW MORE PARTS OF THE PUZZLE OF ANTISEIZURE MEDICATION EFFECTS ON THE FETUS; AN IN VITRO STUDY IN A HUMAN PLACENTAL CELL LINE
Nino Tetro, Sonia Moushaev, Miriam Shmuel, Sara Eyal
Institute for Drug Research, The Hebrew University of Jerusalem, Jerusalem, Israel
- 12:18 Greetings, from Vision to Action
Anat Goren
Chairperson, Eyal Israeli Epilepsy Association
- 12:23 - 12:45 *Break*



12:45 - 15:20

SESSION II

Chairpersons: **Dana Ekstein**, Israel
Shimrit Uliel-Sibony, Israel

- 12:45 QUANTIFICATION OF BRAIN MICROSTRUCTURAL ALTERATIONS IN TUBEROUS SCLEROSIS COMPLEX USING ADVANCED MRI
Debbie Anaby¹, Shrot Shai¹, Michal Tzadok²
¹Dept. of Diagnostic Imaging, Sheba Medical Center, Ramat Gan,
²Ped Neurology Unit, Sheba Medical Center, Ramat Gan, Israel
- 12:58 IMPROVED SOURCE ESTIMATION BY A TAILORED PRIOR-BASED VIRTUAL MEG HELMET
Mordekhay Medvedovsky¹, Oshrit Arviv^{1,2*}, Yuval Harpaz^{3*}, Evgeny Tszin^{1,4,5}, Dana Ekstein^{1,2}
¹Dept. of Neurology, Hadassah Medical Center, Jerusalem, ²Hadassah Medical School, Hebrew University, Jerusalem, ³The Leslie and Susan Gonda Multidisciplinary Brain Research Center, Bar-Ilan University, Ramat Gan, ⁴The Iby and Aladar Fleischman Faculty of Engineering, Tel-Aviv University, Tel-Aviv, ⁵The Zandman-Slaner Graduate School of Engineering, Tel-Aviv University, Tel-Aviv, Israel
*O.A. and Y.H. contributed equally to this work
- 13:06 SEEG WITH RF ABLATION FOR INTRACTABLE EPILEPSY IN A CHILD WITH EPILEPTIC FOCUS IN THE RIGHT HAND MOTOR AREA: THE CRITICAL IMPORTANCE OF REDUNDANCY
Jehuda Sepkuty, Maya Weinstein, Nir Getter, Itzhak Fried, Mikael Levy
Center for Functional Neurosurgery, Assuta Medical Center, Tel Aviv, Israel
- 13:14 DIAGNOSIS AND PREDICTION OF EPILEPSY, SCHIZOPHRENIA, DEPRESSION AND COGNITIVE DECLINE USING EEG QUANTUM POTENTIAL
Felix Benninger^{1,2,3}, Oded Shor^{1,2}, Amir Glik³, Amit Yaniv-Rosenfeld³, Avi Valevski⁴, Andrei Khrennikov⁵
¹Felsenstein Medical research Institute, University of Tel Aviv, Petach Tikva, Israel ²Sackler Faculty of Medicine, University Tel Aviv, Tel Aviv, Israel ³Neurology, Rabin Medical Center, Petach Tikva, Israel ⁴Geha Mental Health Center, Petach Tikva, Israel ⁵Mathematics, Linnaeus University, Vaxjo, Sweden



12:45 - 15:20

SESSION II (Cont.)

- 13:27 ENHANCED PROPAGATION OF WITHDRAWAL SEIZURES AS COMPARED TO HABITUAL SEIZURES IN INVASIVE INTRACRANIAL RECORDING - A CASE REPORT
Mohamed Khateb¹, Mony Benifla², Yitzhak Schiller¹, Ayelet Eran³, Anat Grinfeld³, Michal Weiler-Sagie⁴, Moshe Herskovitz¹
¹Neurology, Rambam Health Care Campus, Haifa, ²Neurosurgery, Rambam Health Care Campus, Haifa, ³Radiology, Rambam Health Care Campus, Haifa, ⁴Nuclear medicine, Rambam Health Care Campus, Haifa, Israel
- 13:35 PSYCHOGENIC NONEPILEPTIC SEIZURES: ARE THEY CONSISTENT OVER TIME?
Elian Bahous, Raz Wagner, Moshe Herskovitz
Dept. of Neurology, Rambam Health Care Campus, Haifa, Israel
- 13:48 THE SAFETY AND EFFICACY OF ADRENOCORTICOTROPIC HORMONE (ACTH) DAILY TREATMENT IN CHILDREN WITH INFANTILE SPASMS
Yael Slatina¹, Moran Nativ², Oren Biro³, Sara Eyal¹, Tal Gilboa²
¹Division of Clinical Pharmacy, The Hebrew University of Jerusalem, Jerusalem, ²Pediatric Neurology Unit, Hadassah-Hebrew University Medical Center, Jerusalem, ³Pediatric Neurology Unit, Shaare Zedek Medical Center, Jerusalem, Israel
- 14:01 SCALP EEG CORRELATES OF INTRACRANIAL SPIKE-LOCKED AVERAGING
Tal Berman¹, Yuval Harpaz², Oshrit Arviv¹, Evgeny Tsizin¹, Zvi Israel³, Dana Ekstein¹, Mordekhay Medvedovsky¹
¹Neurology, Hadassah Medical Center, Jerusalem, ²InnerEye Ltd., ³Neurosurgery, Hadassah Medical Center, Jerusalem, Israel
- 14:15 *Invited Guest Lecture*
INNOVATING EPILEPSY TECHNOLOGIES: OPPORTUNITIES FOR AN ISRAELI MEDTECH CONSORTIUM
Steven Schachter
Dept. of Neurology, Harvard Medical School, Boston, MA, USA
- 15:00 Discussion

15:20 - 15:30

CONCLUDING REMARKS
