

**ההסתדרות הרפואית בישראל - המועצה המדעית**

**ISRAEL MEDICAL ASSOCIATION – SCIENTIFIC COUNCIL**

ISRAEL NEUROLOGICAL ASSOCIATION

האיגוד הנוירולוגי בישראל

תוכנית הכינוס השנתי  
של האיגוד הנוירולוגי הישראלי

**PROGRAM & ABSTRACTS**

**TEL-AVIV, 30 November-1 December 2004**

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## **PROGRAM & ABSTRACTS**

**Editor:**

**Prof. Avinoam Reches**

**Scientific Committee:**

**Prof. Natan Bornstein (Chairman)**

**Prof. Tamir Ben-Hur**

**Dr. Ruth Djaldetti**

**Dr. Rivka Inzelberg**

**Dr. Ron Milo**

**Dr. Yitzhak Schiller**

**Prof. Itzhak Wirguin**

**ANNUAL MEETING OF THE ISRAEL NEUROLOGICAL ASSOCIATION**

**Tuesday, November 30, 2004**

**08:00-09:00 Registration**

**09:00-10:30 FIRST SESSION**

**Chairpersons: Dr. Alex Gur  
Dr. Sharon Hassin**

**No**

- 1 09:00-09:15 Schwammenthal Y, Tsabari R, Shenkman B, Orion D, Chapman J, Savion N, Varon D, Tanne D.  
**UNRESPONSIVENESS TO ASPIRIN IN ACUTE BRAIN ISCHEMIA: ASSOCIATION WITH STROKE SEVERITY AND CLINICAL OUTCOME**
- 2 09:15-09:30 Djaldetti R, Treves TA, Melamed E  
**PRIMARY POSTURAL INSTABILITY – A MAJOR CAUSE OF RECURRENT SUDDEN FALLS IN THE ELDERLY**
- 3 09:30-09:45 Inzelberg R, Hattori N, Nisipeanu P, Blumen SC, Carasso RL, Mizuno Y  
**EARLY ONSET PARKINSONISM IN HETEROZYGOUS PARKIN MUTATION CARRIERS**
- 4 09:45-10:00 Bova I, Ben-Assayag E, Berliner S, Shapira I, Bornstein N  
**THE ERYTHROCYTE AGGREGATION TEST AS A CYTOKINE SENSITIVE BIOMARKER. A MODEL IN ACUTE ISCHEMIC STROKE/TIA**
- 5 10:00-10:15 Ben-Hur T, Idelson M, Khaner H, Pera M, Reinhartz E, Itzik A, Reubinoff BE  
**TRANSPLANTATION OF HUMAN EMBRYONIC STEM CELL-DERIVED NEURAL PROGENITORS IMPROVES BEHAVIORAL DEFICIT IN PARKINSONIAN RATS**
- 6 10:15-10:30 Gur AY, Bornstein NM  
**CEREBRAL VASOMOTOR REACTIVITY OF BILATERAL SEVERE CAROTID STENOSIS: IS CAROTID ENDARTERECTOMY UNAVOIDABLE?**

**10:30-11:30 POSTER SESSION & Coffee Break**

**Chairperson Dr. Ron Milo Poster # 34-41  
Dr. Felix Bokstein Poster # 42-49**

**11:30-13:00**      **SECOND SESSION**

**Chairpersons:**      **Prof. Itzhak Wirguin**  
**Dr. Vivian Drory**

**No**

7      11:30-11:45      Chapman J, Ephraty L, Achiron A  
**THE EFFECTS OF APOE4 ON COGNITIVE DECLINE IN MULTIPLE SCLEROSIS**

8      11:45-12:00      Kahana E, Turiansky L, El Said I, Rawashdeh H, Shahien R, Shimri W, Alter M, Miller A, The Israeli MS Study Group  
**THE PREVALENCE OF MULTIPLE SCLEROSIS AMONG CHRISTIAN ARABS IS HIGHER THEN AMONG MOSLIM AND DRUZE ARABS IN ISRAEL**

9      12:00-12:15      Wirguin I, Piven L, Valdmann S, Halevy C, Bersudsky M, Ifergane G  
**THE SPECTRUM OF CLINICAL SYNDROMES ASSOCIATED WITH ANTI-GQ1b GANGLIOSIDE ANTIBODIES**

12:15-13:00      **The Benjamin Boshes Memorial Lecture**

**Chairperson:**      **Prof. Oded Abramsky**

**Lecturer:**      **Prof. Hans-Peter Hartung**  
Heinrich-Heine University,  
Dusseldorf, Germany  
**"ADVANCES IN UNDERSTANDING AND TREATING MS: CURRENT AND FUTURE"**

**13:00-14:30**      **Lunch Break**

**14:30-17:00            THIRD SESSION**

**Chairpersons:            Dr. Amnon Mosek  
                                  Dr. Yair Lampl**

- | <b>No</b> |             |   |
|-----------|-------------|---|
| 10        | 14:30-14:45 | Yarnitsky D, Levi I, Rogowski Z, Sprecher E<br><b>DOES THE PARASYMPATHETIC SYSTEM HAVE AN ANALGESIC EFFECT?</b>   |
| 11        | 14:45-15:00 | Mazarib A, Masarwa M, AbuFul A, Strugatsky R, Nisipeanu P, Carasso RL, Inzelberg R<br><b>ESSENTIAL TREMOR IS LESS PREVALENT THAN PARKINSON'S DISEASE IN ARABIC VILLAGES IN ISRAEL: A DOOR-TO-DOOR SURVEY</b>          |
| 12        | 15:00-15:15 | Steiner I, Braun E, Panet A<br><b>THE USE OF ORGANOTYPIC BRAIN SLICES FOR THE STUDY OF HERPES SIMPLEX VIRUS TYPE 1 NEUROTROPISM</b>   |
| 13        | 15:15-15:30 | Levite R, Caspi A, Zivotofsky A, Gordon C<br><b>THE ASSOCIATION OF VESTIBULO-OCULAR REFLEX (VOR) CANCELLATION AND SMOOTH PURSUIT</b>  |
| 14        | 15:30-15:45 | Plotnik M, Giladi N, Balash Y, Hausdorff JM<br><b>IS FREEZING OF GAIT IN PATIENTS WITH PARKINSON'S DISEASE RELATED TO ASYMMETRIC MOTOR PERFORMANCE?</b>   |
| 15        | 15:45-16:00 | Ziv I, Reshef A, Aloya R, Grimberg H, Damianovich M, Cohen A, Levin G, Offen D, Shirvan A, Melamed E<br><b>MOLECULAR NEURO-IMAGING: A NEW FRONTIER IN THE DIAGNOSIS AND MONITORING OF NEURODEGENERATIVE DISORDERS</b> |
| 16        | 16:00-16:15 | Lossos A, Silverstein S, Lerer I, Abeliovich D, Stevanin G, Durr A, Brice A, Abramsky O, Argov Z, Meiner V<br><b>MOLECULAR CHARACTERIZATION OF HEREDITARY SPASTIC PARAPLEGIA (HSP) IN ISRAEL</b>                      |
| 17        | 16:15-16:30 | Aharon-Peretz J, Badarny S, Gershoni-Baruch R<br><b>MUTATIONS IN THE GLUCOCEREBROSIDASE GENE CONTRIBUTE TO PARKINSON'S DISEASE IN ASHKENAZI JEWS</b>  |
| 18        | 16:30-16:45 | Shalom E, Levin N, Lavon I, Bokstein F, Lossos A, Gomori JM, Linetsky E, Siegal T<br><b>PROGRESSIVE LOW GRADE OLIGODENDROGLIOMA: TREATMENT RESULTS WITH TEMOZOLOMIDE (TMZ)</b>  |
| 19        | 16:45-17:00 | Wertman E, Polak Y, King Y, Bentur N, Brodtzky J<br><b>DEMENTIA AMONG ELDERLY ABOVE 65 IN ISRAEL- PREVALENCE AND RISK FACTORS</b>   |

17:40-18:30

**אתנחתא מוסיקלית**

**”כרמל א-קאפלה”  
חמישיה ווקלית  
ניהול מוזיקלי שולה ארז**

**18:30-19:00 Light Dinner**

**19:00-21:00 UPDATE IN NEUROLOGY**

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**Chairperson: Dr. Rivka Inzelberg**

Prof. Isak Prohovnik  
Bronx VAMC  
**ON SHEEP, COWS AND MEN: IMAGING THE ISRAELI CJD  
CLUSTER**

Prof. Zohar Argov  
**IATROGENIC NEUROMUSCULAR DISORDERS**

Dr. Ruth Shalev  
**ATTENTION DEFICIT DISORDER IN ADULTHOOD**

Dr. Nir Giladi  
**GAIT DISORDERS AND FALLS IN THE ELDERLY PATIENT**

**Wednesday, December 1, 2004**

**08:30-10:00      FOURTH SESSION**

**Chairpersons:      Dr. Oren Cohen  
                                 Dr. Revital Gendelman**

- No**
- 20      08:30-08:45      Lev N, Melamed E, Offen D  
**THE ROLE OF PROTEASOMAL INHIBITION AND OXIDATIVES STRESS IN ALPHA-SYNUCLEIN AGGREGATES INDUCTION IN DOPAMINERGIC NEURONAL CELL LINES**
- 21      08:45-09:00      Giladi N, Rascol O, Brooks DJ, Melamed E, Oertel WH, Poewe W, Stocchi F, Tolosa E  
**RASAGILINE TREATMENT CAN IMPROVE FREEZING OF GAIT IN ADVANCED PARKINSON'S DISEASE; A PROSPECTIVE RANDOMIZED, DOUBLE BLIND, PLACEBO AND ENTACAPONE CONTROLLED STUDY**
- 22      09:00-09:15      Figlin E, Gadoth N, Chetrit A, Sela BA, Seligsohn U  
**THE NEUROLOGY OF COBALAMIN DEFICIENCY IN AN ELDERLY POPULATION IN ISRAEL**
- 23      09:15-09:30      Melamed E, Barhum Y, Levy Y, Panet H, Offen D  
**MOUSE BONE MARROW STEM CELLS RELIEVE SYMPTOMATIC MOTOR BEHAVIOR IN A MOUSE MODEL OF PARKINSON'S DISEASE**
- 24      09:30-09:45      Schiller Y, Brinker Y  
**PREMATURE TERMINATION OF SEIZURE-LIKE EVENTS BY CLOSED-LOOP CORTICAL ELECTRICAL STIMULATION IN BICUCULLINE-TREATED NEOCORTICAL SLICES**
- 25      09:45-10:00      Hassin-Baer S, Cohen OS  
**POSTOPERATIVE MANAGEMENT OF PATIENTS WITH DEEP BRAIN STIMULATION**

**10:00-11:00      POSTER SESSION & Coffee Break**

**Chairpersons: Dr. Alex Lossos      Poster # 50-57  
                                 Dr. Zeev Meiner      Poster # 58-65**

**11:00-11:45      FIFTH SESSION**

**Chairpersons:      Dr. Bella Gros  
                                 Dr. Jonathan Streifler**

**NATIONAL STROKE SURVEY**

**11:45-13:00      BUSINESS MEETING**

**13:00-14:00      Lunch Break**

**14:00-16:00**      **SIXTH SESSION**

**Chairpersons:**      **Dr. Dana Ekstein**  
                                 **Dr. Samich Badarny**

- No**
- 26      14:00-14:15      Ezra Y, Goldman S, Ben-Hur T  
**COMPARISON OF HYPNOSIS VERSUS AMITRIPTYLINE TREATMENT FOR TENSION HEADACHE**
- 27      14:15-14:30      Soffer D, Averbuch-Heller L, Abramsky O, Argov Z, Lossos A  
**A NOVEL AUTOSOMAL RECESSIVE MYOPATHY UNDERLIES CHROMOSOME 17P13.1-P12-LINKED EXTERNAL OPHTHALMOPLEGIA (EO)**
- 28      14:30-14:45      Kouperberg E, Telman G, Sprecher E, Gruberg L, Beyar R, Yarnitsky D  
**ACCURACY OF DUPLEX ULTRASOUND VERIFIED BY ANGIOGRAPHY IN PATIENTS WITH DE NOVO AND RE-STENOSIS OF INTERNAL CAROTID**
- 29      14:45-15:00      Linetsky E, Biran I  
**SEMANTIC FESTINATION IN PARKINSON'S DISEASE**
- 30      15:00-15:15      Rosenmann H, Grigoriadis N, Rozenstein L, Ben-Hur T, Avraham Y, Berry EM, Ginzburg I, Abramsky O  
**NEUROFIBRILLARY-TANGLES AND A MEMORY-DEFICIT IN TRANSGENIC-MICE EXPRESSING TAU PROTEIN WITH TWO MUTATIONS ASSOCIATED WITH SEVERE DEMANTIA IN HUMANS**
- 31      15:15-15:30      Lapidot O, Kipervasser S, Korczyn AD, Neufeld M, Fried I, Andelman F  
**MEMORY CHANGES AFTER EPILEPSY SURGERY**
- 32      15:30-15:45      Azulai D, Shihman B, Karni A  
**BRAIN-DERIVED NEUROTROPHIC FACTOR LEVELS ARE REDUCED DURING ATTACKS OF MULTIPLE SCLEROSIS**
- 33      15:45-16:00      Cohen OS, Vakil E, Nitsan Z, Koren-Morag N, Tanne D, Hassin-Baer S  
**CAN THE FRONTAL ASSESSMENT BATTERY (FAB) BE USED FOR SCREENING OF FRONTAL LOBE DYSFUNCTION IN PD?**



## POSTER SESSION

**Tuesday, November 30, 2004**

**Chairpersons: Dr. Ron Milo (Poster #34-41)  
Dr. Felix Bokstein (Poster #42-49)**

- No**
- 34 Urihel E, Herman T, Simon ES, Hausdorff JM, Giladi N  
**METHYLPHENIDATE TREATMENT IMPROVES COGNITIVE FUNCTION AND GAIT PERFORMANCE IN PATIENTS WITH PARKINSON'S DISEASE**
- 35 Gurevich T, Merims D, Herman T, Simon E, Hausdorf JM, Giladi N  
**THE TREATMENT OF HIGHER LEVEL GAIT DISTURBANCES WITH RIVASTIGMINE, PILOT STUDY**
- 36 Gordon CR, Tzur R, Caspi A, Zivotofsky AZ  
**THE SACCADIC SYSTEM MORE READILY CO-PROCESSES ORTHOGONAL THAN CO-LINEAR SACCADDES**
- 37 Blumen SC, Reches A, Argov Z, Sadeh M, El-Ad B, Balash Y, Groomzman GB, Drory VE  
**BEGINN DISTAL AMYOTROPHY OF THE UPPER LIMBS (A HURAYAMA SYNDROME ENRICHED COHORT)**
- 38 Yogev G, Giladi N, Springer S, Hausdorff JM, Peretz C, Plotnik M  
**MENTAL LOADING INCREASES GAIT ASYMMETRY AND STRIDE TO STRIDE VARIABILITY IN PATIENTS WITH PARKINSON'S DISEASE**
- 39 Balash Y, Gurevich T, Herman T, Djaldetti R, Hassin-Baer S, Hausdorff J, Giladi N  
**THE EFFECT OF TRANSCRANIAL MAGNETIC STIMULATION ON GAIT IN PATIENTS WITH MULTIPLE SYSTEM ATROPHY**
- 40 Kandinov B, Giladi N, Korczyn A  
**SMOKING AND TEA CONSUMPTION DELAY ONSET OF PARKINSON'S DISEASE, BUT DO NOT AFFECT DISEASE PROGRESSION**
- 41 Hering-Hanit R  
**EFFICACY OF EDRONAX IN MIGRAINE**
- 42 Dorodnicov E, Kahana E, Milo R  
**RECOVERY FROM EPILEPSY: A FOLLOW-UP STUDY AFTER 18 YEARS**
- 43 Biran I, Steiner I  
**PACEMAKERS IN MUSICAL PRODUCTION: A CASE STUDY**

- No**  
44 Paleacu D, Maze D, Mirecky I, Barak Y  
**QUETIAPINE IN ALZHEIMER'S DISEASE PATIENTS WITH BEHAVIORAL AND SYMPTOMS OF DEMENTIA – A SIX WEEKS DOUBLE BLIND PLACEBO CONTROLLED STUDY**
- 45 Ephraty L, Israeli D, Cohen OS, Tunkel O, Shinnar Y, Hatano Y, Hattori N, Hassin-Baer S  
**NEUROPSYCHIATRIC FEATURES IN AUTOSOMAL-RECESSIVE EARLY PARKINSONISM DUE TO PINK1 MUTATIONS**
- 46 Lavon I, Zelikovitsh B, Fuchs D, Shoshan Y, Siegal T  
**RAPID, INEXPENSIVE, SAFE AND RELIABLE METHOD FOR MOLECULAR DIAGNOSIS OF OLIGODENDROGLIAL TUMORS**
- 47 Hellmann MA, Dabby R, Melamed E, Djaldetti R  
**THORACIC SENSORY LEVEL AS A FALSE LOCALIZING SIGN IN CERVICAL SPINAL CORD LESIONS**
- 48 Lampl Y, Lorberboym M, Gilad R, Lukman J, Sadeh M  
**DTPA SPECT IN INTRACEREBRAL HEMORRHAGE – A PROGNOSTIC PREDICTOR FOR FUNCTIONAL OUTCOME**
- 49 Medvedovsky M, Ifergane G, Wirguin I, Vander T, Dori A, Kipervasser S, Shifrin A, Vahapov V, Neufeld M  
**WHO AMONG PATIENTS WITH RECURRENT SEIZURES IS PRONE TO TRAUMATIC INTRACRANIAL HEMORRHAGE?**

## POSTER SESSION

Wednesday, December 1, 2004

Chairpersons: Alex Lossos (Poster #50-57)  
Zeev Meiner (Poster #58-65)

- No  
50 Prokhorov T, Miniovich A, Klein C, Rabey JM  
**ADMISSION OF PARKINSONIAN PATIENTS TO THE NEUROLOGICAL  
WARD IN A COMMUNITY HOSPITAL: A 6.5 YEARS SCREENING**
- 51 Masalha R, Prough D, Balaji RV, Truong-Tran A, Lester E, Frederickson C  
**ZINC ACCUMULATION DURING PILOCARPINE INDUCED STATUS  
EPILEPTICUS – EFFECT OF L-NAME**
- 52 Vainstein G, Gadoth N, Gordon C.R  
**VESTIBULAR AND OCULAR-MOTOR FUNCTION IN  
SPINOCEREBELLAR ATAXIAS, MITOCHONDRIAL MYOPATHY AND  
PERIPHERAL VESTIBULAR LOSS**
- 53 Newman JP, Eichel R, Abramsky O, Ben-Hur T  
**A BRIEF COGNITIVE AND GAIT ASSESSMENT BATTERY FOR PRE- AND  
POST-CSF DRAINAGE EVALUATION OF SUSPECTED NORMAL-  
PRESSURE HYDROCEPHALUS: DEVELOPMENT AND CLINICAL  
APPLICATION IN A SERIES OF 25 PATIENTS**
- 54 Merzeliak O, Shechter M, Schwammenthal Y, Feinberg MS, Philips T, Tsabari  
R, Chapman J, Gilman S, Tanne D  
**ENDOTHELIAL DYSFUNCTION ASSESSED BY BRACHIAL ARTERY  
VASOREACTIVITY IN PATIENTS WITH ACUTE ISCHEMIC STROKE**
- 55 Rabey JM, Prokhorov T, Miniovich A, Klein C  
**THE EFFECT OF QUETIAPINE IN PARKINSON'S DISEASE (PD)  
PSYCHOTIC PATIENTS: A DOUBLE BLIND LABELLED STUDY OF 3  
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- 56 Rapoport A, Eilam A, Pitchhadze I, Sadeh M  
**BODY TILT – A PECULIAR CLINICAL PHENOMENON**
- 57 Khaitov D, Israel Z, Reches A  
**FOLLOW UP OF PARKINSON PATIENTS AFTER DEEP BRAIN  
STIMULATION (DBS)**
- 58 Offen D, Barhum Y, Hellmann M, Biton IE, Cohen Y, Panet H, Kan I,  
Melamed E  
**MRI AND HISTOLOGICAL IMAGING OF MIGRATING BONE MARROW  
STEM CELLS IN AN EXPERIMENTAL MODEL FOR PARKINSON'S  
DISEASE IN MICE**
- 59 Aspire Y, Biran I  
**RULE BASED SEMANTIC IMPAIRMENT IN PARKINSON'S DISEASE**

- No**  
60 Ben-Assayag E, Rogowski O, Bova I, Kessler A, Shopin L, Berliner S, Bornstein N  
**A REAL-TIME ASSESSMENT OF THE BASELINE INFLAMMATORY PROFILE IN PATIENTS WITH ACUTE ISCHEMIC STROKE**
- 61 Balas M, Scott RB, Peretz C, Badarna S, Giladi S  
**COGNITIVE FUCTIONS IN DYSTONIA**
- 62 Herman T, Giladi N, Erlich S, Gruendlinger L, Hausdorff JM  
**SIX WEEKS INTENSIVE TREADMILL TRAINING IMPROVES GAIT AND QUALITY OF LIFE IN PATIENTS WITH PARKINSON'S DISEASE**
- 63 Tanne D, Mandelzweig L, Boyko V, Goldbourt U  
**PERCEPTUAL, SOCIAL AND BEHAVIORAL FACTORS ASSOCIATED WITH DELAYS IN SEEKING MEDICAL CARE IN PATIENTS WITH SYMPTOMS OF ACUTE STROKE**
- 64 Korn-Lubetzki I, Hurvitz H, Bien CG, Steiner I  
**RASMUSSEN'S ENCEPHALITIS WITH ACTIVE INFLAMMATION AND DELAYED SEIZURES ONSET**
- 65 Gilad R, Lampl Y, Rapoport A, Sadeh M  
**LONG-TERM FOLLOW-UP OF POST STROKE EPILEPSY PATIENTS TREATED WITH LAMOTRIGINE**