



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Scientific Program (updated 11.5.21)

Wednesday, May 19, 2021

13:00 *Registration, Light Lunch and Visit the Exhibition*

13:40-13:50 OPENING REMARKS

Mony Benifla, *Secretary, Israeli Neurosurgical Society*

Yigal Shoshan, *President, Israeli Neurosurgical Society*

13:50-15:45 SESSION I: TUMOR

Chairs: **Andrew Kanner**
Iddo Paldor

FREE PAPERS

13:50 **A Plea for Reportable Distinct Interventional Neuroradiology Unit Under the Hospice of Neurosurgical Division Reports**

Leon Levi¹, Eitan Abergel², Eugenia Mahamid³, Diab Tarek³, Eran Meirowicz²,
Iddo Paldor¹, Gill E. Sviri¹

¹Neurosurgery, ²Interventional Neuroradiology, ³Neurointensive Care Unit, Rambam Health Care Campus, Haifa, Israel

14:00 **Intraoperative Neuromonitoring During Resection of Cranial Meningiomas and Its Effect on the Surgical Workflow – A Single Center Experience**

Omer Doron^{1,2}, Gil E. Sviri¹, Dana Peso¹, Muna Jubran³, Iddo Paldor¹

¹Neurosurgery, Rambam Health Care Campus, Haifa, ²Biomedical Engineering, Tel Aviv University, Tel Aviv, ³Surgical Monitoring Services, Beit Shemesh, Israel

14:10 **Retractorless Brain Surgery via Pterional Approach for Midline Anterior Skull Base Meningiomas**

Ariel Lutenberg¹, Rachel Alter², Moshe Attia^{1,2}

¹Neurosurgery, Sheba Medical Center, Ramat Gan, ²Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

14:20 **MRI Radiomics Analysis of Histopathological Features in Brain Meningiomas**

Shir Filo¹, Saleh Habiballah², Eliel Ben David³, Lior Gonen², Hanan Schoffman²,
Nevo Margalit², Tal Shahrar²

¹The Edmond and Lily Safra Center for Brain Science, The Hebrew University of Jerusalem, ²Neurosurgery, ³Radiology, Shaare Zedek Medical Center, Jerusalem, Israel



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Wednesday, May 19, 2021 (cont'd)

FLASH TALKS

- 14:30 **Demographic, Clinical and Radiological Parameters Impact on Lung Cancer Brain Metastases Patients' Prognosis**
Simona Elgali¹, Judah Freedman¹, Ilan Shelef², Gal Ben-Arie², Israel Shenkman², Michael Friger³, Israel Melamed⁴, Tehila Kaisman-Elbaz^{1,4}
¹Faculty of Health Sciences, Ben-Gurion University of the Negev, ²The Institute of Radiology, Soroka University Medical Center, ³Dept of Public Health, Faculty of Health Sciences, Ben-Gurion University of the Negev, ⁴Dept of Neurosurgery, Soroka University Medical Center, Beer-Sheva, Israel
- 14:33 **Gemistocytes in Newly Diagnosed Glioblastoma Multiforme: Clinical Significance and Practical Implications in the Modern Era**
Yosef Laviv¹, Sharon Amramov¹, Andrew Kanner¹, Suzana Fichman², Alexandra Benouaich-Amiel³, Tali Siegal³, Shlomit Yust-Katz³
¹Neurosurgery Dept, ²Pathology Dept, ³Neuro-Oncology Center, Davidoff Cancer Center, Beilinson Hospital, Rabin Medical Center, Tel Aviv University, Petah Tikva, Israel
- 14:36 **Does Resection of Pituitary Adenomas Affect Quality of Life?**
Yuval Grober¹, Marwa Nahas¹
¹Neurosurgery, Galilee Medical Center, Nahariya, Israel
- 14:39 **A Role for a Zinc Receptor, ZnR/GPR39, in Glioblastoma Progression**
Moumita Chakraborty¹, Yael Eskira^{1,2}, Israel Melamed², Michal Hershinkel¹, Tehila Kaisman-Elbaz^{1,2}
¹Dept of Physiology and Cell Biology, Faculty of Health Sciences, Ben-Gurion University of the Negev, ²Dept of Neurosurgery, Soroka University Medical Center, Beer-Sheva, Israel
- 14:42 **Clival Chordoma Manifesting as Apoplexy**
Rotem Hershkovitch¹, Andrew H. Kaye¹, Yakov Fellig², Samuel Moscovici¹
¹Neurosurgery, ²Pathology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel
- 14:45 **Choice of Surgical Approach for Craniopharyngioma Resection**
Yuval Grober¹, Jean Soustiel¹, Tal Marshak²
¹Neurosurgery, ²E.N.T., Galilee Medical Center, Nahariya, Israel
- 14:48 **Primary CNS Lymphoma: The Great Masquerader**
Rotem Hershkovitch¹, Revital Saban², Jose Cohen¹, Sergi Spector¹, Andrew H. Kaye¹, Samuel Moscovici¹
¹Neurosurgery, ²Hematology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Wednesday, May 19, 2021 (cont'd)

- 14:51 **Primary Spinal Meningeal Melanocytoma in Association with Giant Blue Nevus**
Saadit Sarah Houri¹, Wenad Najjar¹, Moatasem Shwekei¹, Yakov Fellig²,
Yigal Shoshan¹, Andres Vargas¹
¹Neurosurgery, ²Pathology, Hadassah Hebrew University Medical Center, Jerusalem, Israel
- 14:54 **Volumetric Assessment of MRI Features and Survival Following Implantation of Gliadel Wafers for Recurrent Glioblastoma**
Oz Haim, Ariel Agur, Or-Tal Efrat, Pablo Valdes Berrera, Zvi Ram, Rachel Grossman
Neurosurgery, Tel Aviv Medical Center, Tel Aviv, Israel
- 14:57 **Serum Derived Exosomal hTERT mRNA in Glioblastoma (GBM) and Meningiomas: A Potential Circulating Biomarker?**
Sapir Lev^{1,2}, Orit Uziel^{3,4,5}, Einat Beery³, Meir Lahav^{3,4,5}, Ramez Abu Shakra⁶,
Suzana Fichman^{5,7}, Andrew A. Kanner^{1,5}, Sagi Har Nof^{1,5}, Zvi Cohen^{5,8}, Tali Siegal^{6,9}
¹Department of Neurosurgery, Rabin Medical Center, Beilinson Campus, ²Division of Pediatric Neurosurgery, Schneider Children's Medical Center of Israel, Clalit Health System, ³Felsenstein Medical Research Center, Rabin Medical Center, Beilinson Campus, ⁴Institute of Hematology, Davidoff Cancer Center, Rabin Medical Center, Beilinson Campus, Petah Tikva, ⁵Sackler School of Medicine, Tel-Aviv University, Tel Aviv, ⁶Neuro Oncology Unit, Davidoff Cancer Center, Rabin Medical Center, Campus Beilinson, ⁷Department of Pathology; Rabin Medical Center, Campus Beilinson, Petah Tikva, ⁸Department of Neurosurgery, Sheba Medical Center, Ramat Gan, ⁹The Hebrew University of Jerusalem, Jerusalem, Israel
- 15:00 Discussion



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Wednesday, May 19, 2021 (cont'd)

15:05

Panel Discussion

Sponsored by Novocure

TTField for Malignant Brain Tumors

Moderator: **Yigal Shoshan**

Panelists: From Basic Research to Clinical Trials
Zvi Ram

Past and On-Going Clinical Trials

Rachel Grossman

Tumor-Treating Fields for the Treatment of Glioblastoma:
A Systematic Review and Meta-Analysis

Ohad Regev

Patient Compliance and Tolerance to Tumor Treating Fields -
The Neurooncologist Viewpoint

Leor Zach

15:45

Coffee Break and Visit the Exhibition

16:15 - 17:25

SESSION II – PEDIATRIC AND HYDROCEPHALUS

Chairs: **Amir Kershenovich**

Jonathan Roth

FREE PAPERS

16:15

Pediatric Thalamic Incidentalomas: International Retrospective Multicenter Study

Danil Kozyrev¹, Jehuda Soleman², Deki Tsering³, Robert Keating³, David Hersh⁴, Frederick Boop⁴, Pietro Spennato⁵, Giuseppe Cinalli⁵, Gianpiero Tamburrini⁶, Ulrich-Wilhelm Thomale⁷, Robert Bollo⁸, Sandip Chatterjee⁹, Harishchandra Lalgudi Srinivasan¹, Shlomi Constantini¹, Jonathan Roth¹

¹Dept of Pediatric Neurosurgery, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel, ²Dept of Neurosurgery and Pediatric Neurosurgery, University and Children's Hospital of Basel, Basel, Switzerland, ³Division of Neurosurgery, Children's National Medical Center, Washington, D.C., ⁴Dept of Surgery, St. Jude Children's Research Hospital, Memphis, TN, USA, ⁵Dept of Neurosurgery, Santobono-Pausilipon Children's Hospital, Naples, ⁶Institute of Neurosurgery, Catholic University of the Sacred Heart, Milan, Italy, ⁷Pediatric Neurosurgery, Campus Virchow Klinikum, Charité Universitätsmedizin, Berlin, Germany, ⁸Division of Pediatric Neurosurgery, University of Utah School of Medicine, Salt Lake City, UT, USA, ⁹Dept of Neurosurgery, VIMS and Park Clinic, Kolkata, India

Secretariat: **Target Conferences Ltd**, PO Box 51227, Tel Aviv 6713818, Israel

Tel: +972 3 5175150 | Fax: +972 3 5175155

neurosurgery@target-conferences.com | www.israelneurosurgery.com



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Wednesday, May 19, 2021 (cont'd)

16:25 **Neuropsychological Assessments and Cognitive Profile Mostly Associated with Shunt Surgery in Idiopathic Normal Pressure Hydrocephalus Patients: Diagnostic and Predictive Parameters and Practical Implications**

Mor Nimni, Yosef Laviv, Penina Weis, Chen Cohen

Neurosurgery, Rabin Medical Center, Beilinson Campus, Petah Tikva, Israel

FLASH TALKS

16:35 **Posterior Fossa Teratoma, Just Another Hairbrained Cyst**

Sappir Tzuberi¹, Uri P. Hadelsberg², Eliel Ben-David³, John S. Winestone¹, Jose E. Cohen², Nevo Margalit¹, Gustavo Rajz¹

¹Neurosurgery, Shaare Zedek Medical Center, ²Neurosurgery, Hadassah-Hebrew University Medical Center, ³Neuroradiology, Shaare Zedek Medical Center, Jerusalem, Israel

16:38 **Comparison of EVD-Related Infection Rate Between Bactiseal EVD to Ventriclear EVD**

Amir Khriesh¹, Idan Strul², Gill E. Svir^{1,2}

¹Dept of Neurosurgery, Rambam Health Care Campus, ²Ruth Rappaport Faculty of Medicine, Technion – The Israel Institute of Technology, Haifa, Israel

16:41 **The Value of Long Lumbar Puncture and Transcranial Magnetic Stimulation in the Prognosis of NPH Shunted Patients**

Shady Hayek

Neurosurgery, Rambam Health Care Campus, Haifa, Israel

16:44 **Case Study**

Mousa Sabri Khweis

Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel

16:47 Discussion

16:55 *Invited Lecture*

*Sponsored by **Surgical Theater***

Augmented Reality in the OR-AR/XR

Robert Louis

Dept of Neurosurgery, Hoag Hospital, CA, USA



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Wednesday, May 19, 2021 (cont'd)

17:25 - 18:30 SESSION III – TRAUMA AND MISCELLANEOUS

Chairs: **Guy Rosenthal**
Uzi Ben David

FREE PAPERS

- 17:25 **MRI-Based Radiomics and Deep Learning for Pre-Operative Classification of Peripheral Nerve Sheath Tumors**
Marga Serafimova¹, Yuval Shapira¹, Moran Artzi²
¹Neurosurgery, ²Sagol Brain Institute, Tel Aviv Medical Center, Tel Aviv, Israel
- 17:35 **Acquisition of Basic Micro Neurosurgical Skills Using CUSA in Low Cost Readily Available Models: The Egg Model**
Omer Doron^{1,2}, Iddo Paldor¹
¹Neurosurgery, Rambam Health Care Campus, Haifa, ²Biomedical Engineering, Tel Aviv University, Tel Aviv, Israel
- 17:45 **Shunt Following Decompressive Craniectomy – The Hadassah Experience**
Lea Kahanov, Waed Masalha, Uri Hadelsberg, Yigal Shoshan, Guy Rosenthal
Neurosurgery, Hadassah-Hebrew University Medical Center, Jerusalem, Israel
- 17:55 **Interactions of Brain, Blood, and CSF: A Novel Mathematical Model of Cerebral Edema**
Omer Doron^{1,2}, Ofer Barnea², Yuliya Zadka², Guy Rosenthal³
¹Neurosurgery, Rambam Health Care Campus, Haifa ²Biomedical Engineering, Tel Aviv University, Tel Aviv, ³Neurosurgery, Hadassah University Medical Center, Jerusalem, Israel
- FLASH TALKS**
- 18:05 **The Living, Breathing, Human-Bovine-Shark Chimera**
Lea Kahanov^{1,2}, Uri Hadelsberg², Samuel Moscovici², Allan Billig³
¹Neurosurgery, Hadassah-Hebrew University Medical Center, ²Neurosurgery, Hadassah Medical Center, ³Plastic and Reconstructive Surgery, Hadassah Medical Center, Jerusalem, Israel
- 18:08 **The Corkscrew Technique – A Minimally Invasive, Trans-Nasal Anterior Skull Base Reconstruction Using a Wedge-Shaped Construct for Treatment of Cerebro-Spinal Fluid Leak**
Iddo Paldor¹, Yazid Badarny², Yazid Badarny¹, Samih Badarny³, Ziv Gil⁴, Gill E. Sviri¹
¹Neurosurgery, Rambam, ²Neurosurgery, Rambam Health Care Campus, Haifa, Israel, ³Neurology, Galilee Medical Center, Nahariya, ⁴Otolaryngology-Head and Neck Surgery, Rambam, Haifa, Israel



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 ♦ Galilion Hotel, Israel

Wednesday, May 19, 2021 (cont'd)

- 18:11 **PSM and MRV Correlation**
Mousa Sabri Khweis
Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel
- 18:14 **Cerebellar Liponeurocytoma with an Unusual Metastatic CSF Spinal Seeding**
Uri Hadelsberg, Lea Kahanov, Andres Vargas
Neurosurgery, Hadassah Medical Center, Jerusalem, Israel
- 18:17 **Spinal Intradural Microsurgical Operations in a New Department**
Ghassan Mansour
Neurosurgery, Shaare Zedek Hospital, Jerusalem, Israel
- 18:20 **Risk Factors for Complications Following Cranial Reconstruction Surgery After Decompressive Craniectomy**
Coral Franco¹, Amir Khriesh², Gill E. Sviri^{1,2}
¹*Ruth Rappaport Faculty of Medicine, Technion – Israel Institute of Technology*, ²*Dept of Neurosurgery, Rambam Health Care Campus, Haifa, Israel*
- 18:23 Discussion
- 18:30 **End of Day's Sessions**
- 19:30 **Dinner**



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Thursday, May 20, 2021

08:00 *Registration, Coffee and Visit the Exhibition*

08:30- 10:25 **SESSION IV – FUNCTIONAL NEUROSURGERY**

Chairs: **Zvi Israel**
Ido Strauss

- 08:30** **Past, Present and Future of Functional Neurosurgery**
Zion Zibly
Dept of Neurosurgery, Sheba Medical Center, Israel
- 08:50** **Posterior Subthalamic Area Deep Brain Stimulation for Essential Tremor – Local Experience**
Idit Tamir¹, Omer Zarchi¹, Jonathan Reiner², Hagai Bergman³
¹Neurosurgery, ²Neurology, Rabin Medical Center, Petah Tikva, ³Medical Neurobiology, The Hebrew University of Jerusalem, Jerusalem, Israel
- 08:55** **Microelectrode Recording Guided Targeting of The Posterior Subthalamic Area for Essential Tremor**
Sami Heymann¹, Halen Baker², Shai Heiman-Gros², Hagai Bergman^{2,3}, Zvi Israel¹
¹Dept of Neurosurgery, Hadassah Hebrew University Medical Center, ²Dept of Medical Neurobiology (Physiology), Institute of Medical Research Israel Canada (IMRIC), The Hebrew University Hadassah Medical School, ³The Edmond and Lily Safra Center for Brain Research (ELSC), The Hebrew University of Jerusalem, Jerusalem, Israel
- 09:00** **MRI Guided Focused Ultrasound for Movement Disorders - Factors Associated with Return of Tremor In 111 Consecutive Cases**
Alon Sinai¹, Ilana Schlesinger^{2,3}, Maria Nassar², Menashe Zaaroor¹³, Marius Constantinescu¹
¹Neurosurgery, Rambam Health Care Campus, ²Neurology, Rambam Health Care Campus, ³Faculty of Medicine, Technion – Israel Institute of Technology, Haifa, Israel
- 09:10** **Endoscopic Assisted Single Level Laminectomy Selective Dorsal Rhizotomy for the Treatment of Spasticity**
Sapir Lev^{1,2}, Omer Zarchi^{1,2}, Ivan Novitski¹, Amir Kershenovich¹
¹Neurosurgery, Schneider Children's Medical Center of Israel, ²Neurosurgery, Rabin Medical Center, Campus Beilinson, Petah Tikva, Israel



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Thursday, May 20, 2021 (cont'd)

FREE PAPERS

09:20 Ketamine Sedation During Asleep Deep Brain Stimulation Enables Microelectrode Recording from the Globus Pallidus Interna in Pediatric Patients with DYT1 Dystonia

Michael Farberov¹, Shimon Firman², Hagai Bergman^{3,4}, Zvi Israel¹, Shmuel Heymann¹

¹Dept of Neurosurgery, ²Dept of Anesthesia, Hadassah Hebrew University Medical Center, ³The Edmond and Lily Safra Center for Brain Research (ELSC), The Hebrew University of Jerusalem, ⁴Dept of Medical Neurobiology (Physiology), Institute of Medical Research Israel Canada (IMRIC), The Hebrew University Hadassah Medical School, Jerusalem, Israel

09:30 Tumor Related Epilepsy in the Israeli Population

Idit Tamir¹, Lena Sulima², Shani Berkovitz¹, Felix Benninger³

¹Neurosurgery, Rabin Medical Center, Petah Tikva, ²Medicine, Tel Aviv University, Tel Aviv, ³Neurology, Rabin Medical Center, Petah Tikva, Israel

09:40 Epilepsy Surgery in Infants up to Three Months of Age: A Multicenter, Multinational Study

Jonathan Roth¹, Shlomi Constantini¹, Shimrit Siboni-Uliel²

¹Pediatric Neurosurgery, ²Pediatric Neurology, Tel Aviv Medical Center, Tel Aviv, Israel

09:50 Use of Directional Stimulation in Parkinson's Disease: Hadassah Experience

Juan Leon, Zvi Israel

Dept of Neurosurgery, Hadassah Hebrew University Medical Center, Jerusalem, Israel

FLASH TALKS

10:00 Intrathecal Baclofen Therapy for GAD (+) Stiff-Person Syndrome: A Case Series of 5 Patients

Lior Ungar¹, Ruth Gur¹, Zion Zibly²

¹Dept of Neurosurgery and Pain Unit, ²Dept of Neurosurgery, Sheba Medical Center, Ramat Gan, Israel

10:03 Pain Networks Connectivity Changes Following the Relief of Prolonged Cancer Pain

Assaf Berger¹, Itamar Jalon², Tal Gonen², Dafna Ben-Bashat², Rotem Tellem³, Uri Hochberg⁴, Talma Hendler², Ido Strauss¹

¹Neurosurgery, ²Sagol Brain Institute, ³The Palliative Care Service, ⁴Institute of Pain Medicine, Tel Aviv Medical Center, Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Thursday, May 20, 2021 (cont'd)

- 10:06 **Circumferential Microelectrode Recording from A Single Probe**
Waed Masalha¹, Haggai Bergman^{2,3}, Zvi Israel¹, Shmuel Heymann¹
¹Dept of Neurosurgery, Hadassah Hebrew University Medical Center, ²The Edmond and Lily Safra Center for Brain Research (ELSC), The Hebrew University of Jerusalem, ³Dept of Medical Neurobiology (Physiology), Institute of Medical Research Israel Canada (IMRIC), The Hebrew University Hadassah Medical School, Jerusalem, Israel
- 10:09 **Post-Cervical Decompression C5 Palsy Syndrome: Suggested Functional Reconstruction by Nerve Transfer Surgery**
Marga Serafimova, Yuval Shapira
Neurosurgery, Tel Aviv Medical Center, Tel Aviv, Israel
- 10:12 **Deep Brain Stimulation for Non-Movement Disorders**
Saadit Sarah Hour¹, Sami Heymann¹, David Arkadir², Edi Linetsky², Hagai Bergman³, Renana Eitan⁴, Zvi Israel¹
¹Neurosurgery, ²Neurology, ³Medical Neurobiology (Physiology), ⁴Psychiatry, Hadassah Hebrew University Medical Center, Jerusalem, Israel
- 10:15 **Facial Palsy – Is Acupuncture an Option?**
Moshe Elron
Neurosurgery, Galilee Medical Center, Nahariya, Israel
- 10:18 Discussion
- 10:25 *Coffee Break and Visit the Exhibition*

11:05 – 12:25 SESSION V – FUNCTIONAL NEUROSURGERY FOR NEUROPSYCHIATRY

Chairs: **Renana Eitan**
Idit Tamir

- 11:05 **Evolution of Our Understanding of Neural Pathways Underlying Neuropsychiatric Disease**
Hagai Bergman
Edmond & Lily Safra Center for Brain Sciences, The Hebrew University of Jerusalem, Israel
- 11:25 **Deep Brain Stimulation for Intractable Depression**
Volker A. Coenen
University of Freiburg, Department of Stereotactic and Functional Neurosurgery, Germany



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Thursday, May 20, 2021 (cont'd)

- 11:45 **Lesioning the Brain: From Lobotomies to Focused Ultrasound**
Garth Rees Cosgrove
Brigham and Women's Hospital, Dept of Neurosurgery, MA, USA
- 12:05 **Deep Brain Stimulation for Intractable Obsessive-Compulsive Disorder**
Renana Eitan
The Hebrew University of Jerusalem, Israel

12:25 -13:10 *Guest Lecture*
I Think Therefore I am Wrong
Haim Shapira

13:10- 13:30 SESSION VI - BEST PAPER AWARDS

Chairs: **Mony Benifla**
Yigal Shoshan
Rachel Grossman

Best Paper Award Recipients

- 13:10 *Sponsored by AstraZeneca*
Predicting EGFR Mutation Status by Deep Learning Approach in Patients with Lung Cancer Brain Metastases
Oz Haim¹, Ben Shofty¹, Shani Abramov¹, Claudia Fanizzi², Francesco Dimeco², Netanel Avisdris³, Ram Zvi¹, Moran Artzi³, Rachel Grossman¹
¹Neurosurgery, Tel Aviv Medical Center, Tel Aviv, Israel, ²Neurosurgery, Fondazione IRCCS Istituto Neurologico C. Besta, Milan, Italy, ³Sagol Brain Institute, Tel Aviv Medical Center, Tel Aviv, Israel
- 13:20 *Sponsored by Tzamal Medical*
Prevalence and Characteristics of Cervical Ossified Posterior Longitudinal Ligament (OPLL) in the Jewish Population: An Epidemiological Analysis
Gil Kimchi¹, Tomer Maimon¹, Liat Lerner Geva², Nachshon Knoller¹, Anton Peled¹, Gal Yaniv³, Ran Harel¹
¹Neurosurgery, ²Gertner Institute of Epidemiology, ³Radiology, Sheba, Ramat Gan, Israel
- 13:30 **Lunch and Visit the Exhibition**



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Thursday, May 20, 2021 (cont'd)

14:30 - 15:45 SESSION VII – VASCULAR I

Chairs: **Sagi Harnof**
 Moshe Attia

14:30

Invited Lecture

Surgery for Middle Cerebral Artery Aneurysms

Aaron Cohen-Gadol

Dept of Neurosurgery, Indiana University School of Medicine, IN, USA

FREE PAPERS

14:45

Flow-Diverter Stents in the Early Management of Acutely Ruptured Brain Aneurysms: Effective Rebleeding Protection with Low Thromboembolic Complications

Juan Leon¹, Moshe Gomori², Samuel Moscovici¹, Andrew H Kaye¹,
Yigal Shoshan¹, Sergey Spektor¹, José E. Cohen¹

¹Neurosurgery, ²Radiology, Hadassah Medical Center, Jerusalem, Israel

14:55

Solid vs Cystic Predominance in Posterior Fossa Hemangioblastomas: Implications for Cerebrovascular Risks and Patient Outcome

Samuel Moscovici, Carlos Candanedo, Sergey Spektor, Jose E Cohen, Andrew Kaye
Neurosurgery, Hadassah Medical Center, Jerusalem, Israel

15:05

Acute Presentation of Normal Pressure Hydrocephalus (NPH) Following Transcatheter Aortic Valve Implantation (TAVI): A Novel Interaction Between the First and Third Circulations

Yosef Laviv¹, Mor Nimni¹, Nati Ben Shalom¹, Alon Eisen², Hana Vaknin-Assa²,
Sagi Harnof¹

¹Neurosurgery Dept, ²Cardiology Dept, Beilinson Hospital, Rabin Medical Center,
Tel Aviv University, Petah Tikva, Israel

15:15

Stroke and Endovascular Treatment in COVID 19 Patients: Descriptive Case Series of 7 Patients

Leah Morejon, Jose E. Cohen, Andrew H. Kaye

Neurosurgery, Hadassah Medical Center, Jerusalem, Israel



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Thursday, May 20, 2021 (cont'd)

- 15:25 **Avoiding Injury to the Internal Carotid Artery in the Foramen Lacerum Region in Endoscopic Endonasal Skull Base Surgery: Morphometric and Anatomical Study**
Lior Gonen¹, Srikant Chakravarthi², Melanie Fukui², Nevo Margalit¹, Alejandro Monroy-Sosa²
¹Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel, ²Aurora Neuroscience Innovation Institute, Aurora St. Luke's Medical Center, Milwaukee, WI, USA
- 15:35 **Silk Vista Flow Diverter 21 mcc for the treatment of intracranial aneurysms: technical review and report of 10 cases**
Leah Morejon, Jose E. Cohen
Neurosurgery, Hadassah Medical Center, Jerusalem, Israel

15:45-16:45 SESSION VIII – VASCULAR II

Chairs: Israel Melamed
Jean F Soustiel

- 15:45 *Invited Lecture*
Flow Diversion in the Management of Intracranial Aneurysms
Robert Rosenwasser
Thomas Jefferson University, PA, USA

FLASH TALKS

- 16:00 **Encephaloduroarteriosynangiosis with Dural Inversion for Moyamoya Disease in a Pediatric and Adult Population - A Single Center 20-Year Experience**
Anton Peled¹, Oded Goren^{1,2}, Kimchi Gil¹, Jacob Zauberman¹, Zeev Feldman¹, Philipp Hendrix², Christoph Griessenauer²
¹Neurosurgery, Sheba Medical Center, Ramat Gan, Israel, ²Neurosurgery, Geisinger Health System, Danville, PA, USA
- 16:03 **Deep vs. Superficial Spontaneous Cerebellar Hemorrhages: Separated Vascular Etiologies with Different Clinical Consequences**
Samira Monayer, Noa Schwartz, Saeed Yassin, Yosef Laviv
Neurosurgery, Rabin Medical Center, Beilinson Campus, Petah Tikva, Israel
- 16:06 **Outcome of Chronic Subdural Hemorrhage Surgery Treated with Statins**
Amir Khriesh¹, Tomer Hasdai², Gill E. Svir^{1,2}
¹Dept of Neurosurgery, Rambam Health Care Campus, ²Ruth Rappaport Faculty of Medicine, Technion – Israel Institute of Technology, Haifa, Israel



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Thursday, May 20, 2021 (cont'd)

- 16:09 **Middle Meningeal Artery (MMA) Embolization as an Emerging Treatment Modality in Recurrent CSDH: A Case Series Describing Initial Single Institution Experience and a Review of Its Evolving Role**
Omer Doron^{1,2}, Gil E. Sviri¹, Iddo Paldor¹, Eitan Abergel³
¹Neurosurgery, Rambam Health Care Campus, Haifa, ²Biomedical Engineering, Tel Aviv University, Tel Aviv, ³Invasive Neuroradiology, Rambam Health Care Campus, Haifa, Israel
- 16:12 **Multidisciplinary Management of Giant Juvenile Nasopharyngeal Angiofibroma: A Technical Note**
Lior Gonen¹, Yaaqov Amsalem¹, Orit Nachtom¹, Nevo Margalit¹, Uri Peleg²
¹Neurosurgery, ²Dept of Otolaryngology and Head-Neck Surgery, Shaare Zedek Medical Center, Jerusalem, Israel
- 16:15 **Current Trends in Pediatric Moyamoya: A Survey of International Practitioners**
Harishchandra Lalgudi Srinivasan¹, Moran Hausman-Kedem², Edward R Smith³, Shlomi Constantini¹, Jonathan Roth¹
¹Pediatric Neurosurgery, ²Pediatric Neurology, Tel Aviv Medical Center, Tel Aviv, Israel, ³Pediatric Neurosurgery, Children's Hospital Boston, Boston, MA, USA
- 16:18 **STA-MCA Microvascular Bypass: When, Why, and How?**
Lea Kahanov, José E. Cohen, Samuel Moscovici, Sergey Spektor
Neurosurgery, Hadassah Medical Center, Jerusalem, Israel
- 16:21 **Traumatic Intracranial Aneurysms; The Role and Importance of Early Cerebral Angiography**
Michael Farberov, Saadit Sarah Houry, Lea Morejon, Samuel Moscovici, Guy Rosenthal, Yigal Shoshan, Jose Cohen
Dept of Neurosurgery, Hadassah Hebrew University Medical Center, Jerusalem, Israel
- 16:24 Discussion
- 16:30 *Invited Lecture*
Surgery for Brainstem Cavernous Malformations
Gill E. Sviri
Rambam Health Care Campus, Israel
- 16:45 *Coffee Break and Visit the Exhibition*



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 ♦ Galilion Hotel, Israel

Thursday, May 20, 2021 (cont'd)

17:15 - 18:30 SESSION IX – AVM'S

Chairs: **Shady Jahshan**
Andrew Kaye

- 17:15 *Invited Lecture*
Preoperative Embolization of Brain AVMS - A 30-Years Series
Hans Henkes
Katharinenhospital Stuttgart, Germany
- 17:30 *Invited Lecture*
Surgery for Cerebral AVM'S - Technical Nuances
Aaron Cohen-Gadol
Dept of Neurosurgery, Indiana University School of Medicine, IN, USA
- 17:45 *Panel Discussion*
AVM Management
Moderator: Iddo Paldor
Panelists: **Aaron Cohen-Gadol, USA**
Hans Henkes, Germany
Yigal Shoshan, Israel
Andrew Kaye, Israel
Robert Rosenwasser, USA
Gill E. Sviri, Israel
- 18:15 *Invited Lecture*
Vascular Complications of Posterior Fossa Surgery
Sagi Harnof
Dept of Neurosurgery, Rabin Medical Center, Beilinson Campus, Israel
- 18:30 *End of Day's Sessions*
- 19:15 *Dinner*



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Friday, May 21, 2021

EDUCATION DAY FOR RESIDENTS

08:00 *Registration, Coffee and Visit the Exhibition*

08:30 - 10:30 SESSION X – TRIGEMINAL NEURALGIA I

Chairs: **Zvi Israel**
Zion Zibly

- 08:30 **Trigeminal Neuralgia – The Clinical Syndrome**
Zvi Israel
Dept of Neurosurgery, Hadassah Medical Center, The Hebrew University of Jerusalem
- 08:45 **Medical Management of Trigeminal Neuralgia**
Joanna Zakrzewska
Royal National ENT & Eastman Dental Hospitals, UK
- 09:05 **TN: Surgically Relevant Anatomy**
Roberto Spiegelmann
Dept of Neurosurgery, Sheba Medical Center, Tel Hashomer
- 09:25 **TN: Which Treatment Modality for Which Patient?**
Zion Zibly
Dept of Neurosurgery, Sheba Medical Center, Tel Hashomer
- 09:40 **Balloon Compression for TN**
Ruth Gur
Institute of Pain Management, Sheba Medical Center, Tel Hashomer
- 09:55 **Radiofrequency Rhizolysis for TN**
Zvi Israel
Dept of Neurosurgery, Hadassah Medical Center, The Hebrew University of Jerusalem
- 10:10 **Radiosurgery for TN**
Trigeminal Tractotomy for TN
Ido Strauss
Dept of Neurosurgery, Tel Aviv Sourasky Medical Center
- 10:30 *Coffee Break, Hotel Check-Out and Visit the Exhibition*



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 • Galilion Hotel, Israel

Friday, May 21, 2021 (cont'd)

11:10 - 12:10 SESSION X – TRIGEMINAL NEURALGIA II

Chairs: **Sagi Harnof**
Andrew Kaye

- 11:10 **Microvascular Decompression for TN: How I Do It**
Sagi Harnof
Dept of Neurosurgery, Rabin Medical Center, Beilinson Campus
- 11:30 **Complications of MVD Surgery**
Andrew Kaye
Dept of Neurosurgery, Hadassah University Medical Center, Israel
- 11:45 **How Would You Manage This Case?**
Case Presentations

12:10 CLOSING REMARKS & FEEDBACK

Light Lunch



Israeli Neurosurgical Society

ANNUAL MEETING

May 19-21, 2021 ♦ Galilion Hotel, Israel

ACKNOWLEDGEMENTS

The Organizing Committee wishes to acknowledge the following companies whose generous support has made this Meeting possible:

PLATINUM

novocure®

GOLD

Medtronic



SILVER



BRONZE

