### 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 Tarek¹, 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 Doron¹,², 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 Attia¹²  
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 Gonen³, Hanan Schoffman³, Nevo Margalit², Tal Shahar²  
¹The Edmond and Lily Safra Center for Brain Science, The Hebrew University of Jerusalem, ²Neurosurgery, ³Radiology, Shaare Zedek Medical Center, Jerusalem, 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-Elbaz¹,²,³,⁴
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-Katz¹
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 Nahas²
¹Neurosurgery, Galilee Medical Center, Nahariya, Israel

14:39
A Role for a Zinc Receptor, ZnR/GPR39, in Glioblastoma Progression
Moumita Chakraborty¹, Yael Eskira¹,², Israel Melamed³, Michal Hershfinkel³, Tehila Kaisman-Elbaz¹,²,³
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
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 Lev1,2, Orit Uziel3,4,5, Einat Beery3, Meir Lahav3,4,5, Ramez Abu Shakra6, Suzana Fichman5,7, Andrew A. Kanner1,5, Sagi Har Nof1,5, Zvi Cohen5,8, Tali Siegal6,9
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
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 Tamburrini5, 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
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 Tzuberiy¹, Uri P. Hadelsberg², Eliel Ben-David³, John S. Winestone³, Jose E. Cohen⁴, Nevo Margalit⁵, Gustavo Rajz⁶
¹Neurosurgery, Shaare Zedek Medical Center, ²Neurosurgery, Hadassah-Hepburn 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. Sviri¹,²
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
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 Doron1,2, 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 Doron1,2, 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 Kahanov1,2, 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 Badarny1, 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
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. Sviri1,2  
1Ruth Rappaport Faculty of Medicine, Technion – Israel Institute of Technology, 2Dept of Neurosurgery, Rambam Health Care Campus, Haifa, Israel

18:23  Discussion

18:30  End of Day’s Sessions

19:30  Dinner
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 Zibl
       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 Bergman²,³, 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 Schlesinger²,³, Maria Nassar², Menashe Zaaroor¹,  
       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 Levy¹,², Omer Zarchi¹,², Ivan Novitski¹, Amir Kershenovich¹  
       ¹Neurosurgery, Schneider Children’s Medical Center of Israel, ²Neurosurgery, Rabin Medical Center, Campus Beilinson, Petah Tikva, 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 Bergman³,⁴, 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 Berkovitz³, Felix Benninger³
¹Neurosurgery, Robin 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 Hendler⁵, 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
Thursday, May 20, 2021 (cont’d)

10:06  **Circumferential Microelectrode Recording from A Single Probe**
Waed Masalha¹, Haggai Bergman²,³, 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 Houri¹, 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
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, Netanell Avisdris³, Ram Zvi³, 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 Yaniv², Ran Harel¹  
¹Neurosurgery, ²Gertner Institute of Epidemiology, ³Radiology, Sheba, Ramat Gan, Israel

13:30  **Lunch and Visit the Exhibition**
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

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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, Srikanth 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 Peled³, Oded Goren¹,², Kimchi Gil³, Jacob Zauberma³, Zeev Feldman³, Philipp Hendrix², Christoph Greissenuer²  
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. Svir³,²  
¹Dept of Neurosurgery, Rambam Health Care Campus, ²Ruth Rappaport Faculty of Medicine, Technion – Israel Institute of Technology, Haifa, 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. Sviri\(^1\), Iddo Paldor\(^1\), Eitan Abergel\(^1\)  
\(^1\)Neurosurgery, Rambam Health Care Campus, Haifa, \(^2\)Biomedical Engineering, Tel Aviv University, Tel Aviv, \(^3\)Invasive Neuroradiology, Rambam Health Care Campus, Haifa, Israel

16:12  
**Multidisciplinary Management of Giant Juvenile Nasopharyngeal Angiofibroma: A Technical Note**  
Lior Gonen\(^1\), Yaqov Amsalem\(^1\), Orit Nachtomi\(^1\), Nevo Margalit\(^1\), Uri Peleg\(^2\)  
\(^1\)Neurosurgery, \(^2\)Dept 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 Srinivasan\(^1\), Moran Hausman-Kedem\(^2\), Edward R Smith\(^3\), Shlomi Constantini\(^1\), Jonathan Roth\(^1\)  
\(^1\)Pediatric Neurosurgery, \(^2\)Pediatric Neurology, Tel Aviv Medical Center, Tel Aviv, Israel, \(^3\)Pediatric 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 Houri, 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**
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*
**Friday, May 21, 2021**

**EDUCATION DAY FOR RESIDENTS**

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<td>Registration, Coffee and Visit the Exhibition</td>
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<td>08:30 - 10:30</td>
<td>SESSION X – TRIGEMINAL NEURALGIA I</td>
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<td><strong>Chairs:</strong> Zvi Israel, Zion Zibly</td>
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<td>08:30</td>
<td>Trigeminal Neuralgia – The Clinical Syndrome</td>
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<td>Zvi Israel</td>
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<td>Dept of Neurosurgery, Hadassah Medical Center, The Hebrew University</td>
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<td>08:45</td>
<td>Medical Management of Trigeminal Neuralgia</td>
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<td></td>
<td>Joanna Zakrzewska</td>
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<td>Royal National ENT &amp; Eastman Dental Hospitals, UK</td>
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<tr>
<td>09:05</td>
<td>TN: Surgically Relevant Anatomy</td>
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<td>Roberto Spiegelmann</td>
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<td>Dept of Neurosurgery, Sheba Medical Center, Tel Hashomer</td>
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<td>09:25</td>
<td>TN: Which Treatment Modality for Which Patient?</td>
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<td>Dept of Neurosurgery, Sheba Medical Center, Tel Hashomer</td>
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<td>09:40</td>
<td>Balloon Compression for TN</td>
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<td>Ruth Gur</td>
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<td>Institute of Pain Management, Sheba Medical Center, Tel Hashomer</td>
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<td>09:55</td>
<td>Radiofrequency Rhizolysis for TN</td>
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<td>10:10</td>
<td>Radiosurgery for TN</td>
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<td>Trigeminal Tractotomy for TN</td>
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<td>Ido Strauss</td>
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<td>Dept of Neurosurgery, Tel Aviv Sourasky Medical Center</td>
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<td>10:30</td>
<td>Coffee Break, Hotel Check-Out and Visit the Exhibition</td>
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Tel: +972 3 5175150 | Fax: +972 3 5175155
neurosurgery@target-conferences.com | www.israelneurosurgery.com
Friday, May 21, 2021 (cont’d)

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

Chair: 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
ACKNOWLEDGEMENTS

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

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