



Israeli Neurosurgical Society

May 7-9, 2025

Galilion Hotel, Israel



Scientific Program

Wednesday, May 7, 2025

13:00 Registration, Light Lunch and Visit the Exhibition

13:30-13:40 **OPENING REMARKS**

Mony Benifla, President, Israeli Neurosurgical Society

Moshe Bar-Haim, Director General of the Israel Cancer Association

Annual Report

Iddo Paldor, Secretary, Israeli Neurosurgical Society

Financial Report

Ido Strauss, Treasurer, Israeli Neurosurgical Society

13:40-15:20 SESSION I - LGG, HGG AND MORE

Chairs: Amit Azriel, Israel
Tal Shahar, Israel

FREE PAPERS

13:40 A Prospective, Randomized, Single-Center Trial of NovoTTF-200A Together with

Radiation Therapy and Temozolomide in Patients with Newly Diagnosed GBM

Rachel Grossman

Dept. of Neurosurgery, Rambam Medical Center, Haifa, Israel

13:47 Time to Wake Up! Comparison of the Functional Outcomes of Awake vs. Asleep

Craniotomy in 3,713 Patients Undergoing Resection of Supra-tentorial "Eloquent"

and "Non-eloquent" Gliomas: A Systematic Review and Meta-Analysis

Liat Oxman¹, Laviv Yosef¹, Duffau Hugues²

¹Dept. of Neurosurgery, Rabin Medical Center and Tel Aviv University, Petah Tikva, Israel, ²Dept. of Neurosurgery, Gui de Chauliac Hospital, Montpellier University

Medical Center, Montpellier, France

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Wednesday, May 7, 2025 (cont.)

13:40-15:20 SESSION I - LGG, HGG AND MORE (cont.)

High Intra-Tumoral and Serum Matrix Metalloproteinase 9 Levels are Associated with Reduced Survival of Glioblastoma and Brain Metastases Patients

Tehila Kaisman-Elbaz^{1,2}, Snir Haddad-Shlaifshtein^{2,3}, Yael Eskira^{2,3}, Vladimir Merkin^{2,3}, Guy Dumanis⁴, Sivan Turiel⁵, Maya Atar-Vardi⁵, Romi Bari⁵, Adi Alt^{2,3}, Tali Zamed^{2,3}, Noa Rotem-Dai^{2,3}, Konstantin Lavrenkov^{2,6}, Yarden Kezerle⁷, Victor Dyomin⁷, Ronit Razon⁸, Moumita Chakraborty⁹, Hila Asraf⁹, Michal Hershfinkel⁹, Israel Melamed^{2,3}

¹Dept. of Neurosurgery, Soroka University Medical Center, currently at Sheba Medical Center, Beer Sheva, ²Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer Sheva, ³Dept. of Neurosurgery, Soroka University Medical Center, Beer Sheva, ⁴Adelson School of Medicine, Ariel University, Ariel, ⁵Clinical Research Center, Soroka University Medical Center, Beer Sheva, ⁶Institute of Oncology, Soroka University Medical Center, Beer Sheva, ⁷Institute of Pathology, Soroka University Medical Center, Beer Sheva, ⁸Dept. of Statistics and Epidemiology, Faculty of Health Sciences Ben-Gurion University of the Negev, Beer Sheva, ⁹Dept. of Physiology and Cell Biology, Faculty of

14:01 The Impact of Surgical Resection of Small Cell Lung Carcinoma Brain Metastases on Overall Survival

Health Sciences Ben-Gurion University of the Negev, Beer Sheva, Israel

Ravit Gabay Yehezkely¹, Ariella R Eisenberg², Ido Livneh^{2,3}, Rachel Grossman^{1,2}
¹Dept. of Neurosurgery, Rambam Health Care Campus, Haifa, ²Rappaport Faculty of Medicine, Technion - Israel Institute of Technology, ³Pathology, Rambam Health Care Campus, Haifa, Israel

14:08 Contrast-Enhancing Properties of Intra-Axial Brain Tumors Predict the Correlation Between Preoperative Tractography and Intraoperative Subcortical Stimulation *Assaf Berger¹, *Segev Gabay², Ido Strauss^{2,3}, Neomi Kahana Levi², Neomi Singer², Guy Gurevitch², Amir Hadanny², Claudia Schlimper⁴, Rik Demaerel⁵, Uri Rozovski⁶, Akiva Korn², Zvi Ram^{2,3}, Tal Shahar^{2,3}

*These authors contributed equally

¹Dept. of Neurosurgery, NYU Langone Medical Center, New York, USA, ²Dept. of Neurosurgery, Tel Aviv Sourasky Medical Center, Tel-Aviv, Israel, ³Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv, Israel, ⁴Dept. of Neurosurgery, University of Bonn, Bonn, German, ⁵Dept. of Neurosurgery, Medical University Innsbruck, Innsbruck, Austria, ⁶Hematology and Bone Marrow Transplantation, Tel Aviv Medical Center, Tel Aviv, Israel

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13:40-15:20	SESSION I - LGG, HGG AND MORE (cont.)
14:15	Prospective Clinical Trial of Upright Image-Guided Proton Therapy for Locally Recurrent Head and Neck and Brain Malignancies
	Philip Blumenfeld¹ , Yair Hillman ¹ , Ella Wajnryt ¹ , Aviad Berger ¹ , Marc Wygoda ¹ , Ayman Salhab ¹ , Marcel Fang ¹ , Jon Feldman ¹ , Aron Popovtzer ¹ , Alexander Pryanichnikov ²
	¹ Radiation Oncology, Hadassah Medical Center, Israel, ² Karlsruhe Institute of Technology, Institute of Biomedical Engineering, Karlsruhe, Germany
14:22	Stereotactic Radiosurgery Outcomes in Meningioma Patients with a History of Tinea Capitis Irradiation
	Ofir Sholy Ben Mouel, Diana C. Bolivar, Hanan Abofani, Ori Haisraely,
	Shachar Zion Shemesh, Moshe Attia, Yaacov R. Lawrence, Alisa Talianski,
	Anton Wohl, Zvi R. Cohen, Tehila Kaisman-Elbaz
	Dept. of Neurosurgery, Chaim Sheba Medical Center, Ramat Gan, Israel
14:29	Familial VHL Hemangioblastoma: A 46-Year Follow-Up Study Across Three Generations
	Hadil Sah, Andrey Alushin, Antonio Houry, Rashad Naamna, Elad Avraham,
	Micky Gidon, Amit Azriel, Vladimir Merkin, Israel Melamed
	Dept. of Neurosurgery, Soroka University Medical Center, Beer Sheva, Israel
14:36	Stem the Blood Flow: Beneficial Impact of Bevacizumab on Survival of Subventricular Zone Glioblastoma Patients
	Sapir Lev ¹ , Yosef Laviv ¹ , Andrew A. Kanner ¹ , Susana Fichman ² , Dror Limon ³ ,
	Tali Siegal ³ , Shlomit Yust-Katz ³ , Alexandra Benouaich-Amiel ³
	¹ Dept. of Neurosurgery, ² Dept of Pathology, ³ Dept. of Oncology, Rabin Medical Cente Petah Tikva, Israel
14:43	Discussion

FLASH TALKS

14:53 WHO Grade III Meningioma Neurosurgical Follow Up and Treatment: A Retrospective Series of 61 Patients

Waed Masalha, Tarek Keadan, Yakov Felig, Yigal Shoshan, Andrew H. Kaye,

Samuel Moscovici

Dept. of Neurosurgery, Hadassah Medical Center, Jerusalem, Israel

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SESSION I - LGG, HGG AND MORE (cont.) 13:40-15:20

FLASH TALKS (cont.)

14:56 Stereotactic Radiosurgery for Uveal Melanoma: A Retrospective Analysis of **Treatment Outcomes**

> Hanan Abofani¹, Maya Nulman¹, Mustafa Siddiq¹, Rotem Bohbot², Zvi R. Cohen^{1,3}, Victoria Vishnevskia Dai^{3, 4}, Ido Didi Fabian^{3, 4}, Yaacov R. Lawrence⁵,

Tehila Kaisman-Elbaz¹, Anton Wohl¹

¹Dept. of Neurosurgery, Sheba Medical Center, Ramat-Gan, ²Faculty of Medicine, Bar-Ilan University, Safed, ³Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, ⁴The Ocular Oncology Service, The Goldschleger Eye Institute, Sheba Medical Center, Ramat-Gan, ⁵The Benjamin Davidai Dept. of Radiation Oncology, Sheba Medical Center, Ramat-Gan, Israel

14:59 Central Intracranial Epidermoid Cyst Resection Through the Infratranstentorial Sub Temporal Approach (Itsta): A Case Series of 15 Patients

Waed Masalha, Sergey Spektor, Andrew H. Kaye, Jose Cohen, Samuel Moscovici Dept. of Neurosurgery, Hadassah Medical Center, Jerusalem, Israel

15:02 Who Wants to Build a Registry?

> Saadit Sarah Houri¹, Alisa Sheldon², Anton Peled², Avital Perry², Noa Rennert², Mohamad Hmaeed Asdi³, Yevgeny Karepov³, Amit Azriel⁴, Elad Avraham⁴, Israel Melamed⁴, Guy Rosenthal¹, Raquel C. Gardner²,

¹Hebrew University of Jerusalem, Hadassah Medical Center, Jerusalem, ²Sagol Neuroscience Center, Sheba Medical Center, Ramat Gan, ³Tel Aviv Sourasky Medical Center, ⁴Soroka Medical Center, Beer Sheva, Israel

15:05 Let the Light In: Influence of Fluorescence-Guided Resection With 5-Aminolevulinic Acid On Surgical Outcomes, Extent of Resection, and Survival in Subventricular Zone Glioblastoma

> Sapir Lev¹, Yosef Laviv¹, Paz Lev², Andrew A Kanner¹, Suzana Fichman³, Alexandra Benouaich-Amiel^{4v} Dror Limon⁴, Tali Siegal⁴, Shlomit Yust-Katz⁴ ¹Neurosurgery, Rabin Medical Center, Petah Tikva, ²Sackler Faculty of Medicine, ³Pathology, ⁴Oncology, Beilinson, Israel

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SESSION I - LGG, HGG AND MORE (cont.) 13:40-15:20

FLASH TALKS (cont.)

15:08 Tissue Microarray for Her-2 Expression Dynamics in Recurrent Glioblastomas

Sapir Lev¹, Andrew A Kanner¹, Nelson Moss²

¹Dept. of Neurosurgery, Beilinson, Israel, ²Dept. of Neurosurgery, Memorial Sloan

Kettering, New York

15:11 Discussion

15:20-16:00 **SESSION II - INVITED LECTURES**

Chairs: Zvi Cohen, Israel

Andrew A. Kanner, Israel

15:20 Controversies in Stereotactic Radiosurgery in Brain Metastases

Michael Schulder

Northwell Health Center for Advanced Medicine, NY, USA

15:40 Improving Brain Tumor Therapy

Henry Brem

Johns Hopkins University, Baltimore, USA

16:00 Coffee Break and Visit to the Exhibition

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16:30-17:15	SESSION III - COMPLICATION AVOIDANCE IN PEDIATRIC NEUROSURGERY
	Chairs: Mickey Gideon, Israel Jonathan Roth, Israel
16:30	Complication Avoidance During Supratentorial Tumor Resection in Children Amir Kershenovich Pediatric Neurosurgery, Schneider Children's Medical Center of Israel, Petah Tikva, Israel
16:40	Complication Avoidance During Resection of 4 th Ventricular Tumors Jacob Zauberman Division of Pediatric Neurosurgery, Hadassah Medical Center, Jerusalem, Israel
16:50	Complication Avoidance During ETV Sergey Abeshaus Dept. of Neurosurgery, Galilee Medical Center, Nahariya, Israel
17:00	Discussion
17:15-18:30	SESSION IV - TUMORS AND TRACTOGRAPHY

Chairs: Rachel Grossman, Israel
Tehila Kaisman-Elbaz, Israel

FREE PAPERS

17:15 ETV for Fourth Ventricle Outlet Obstruction (FVOO) in the Long-Term Period

Following Pediatric Posterior Fossa Tumor Resection

Jonathan Roth^{1,2}, **Lidor Bitan**¹, Danil A. Kozyrev¹, Ashraf Sharbook¹, Carla Richetta¹,

Noa Mecica¹, Dmytro Zhebrykov¹, Shlomi Constantini^{1,2}

¹Dept. of Pediatric Neurosurgery, The Pediatric Brain Center, Dana Children's Hospital,

Tel Aviv Medical Center, ²Tel Aviv University, Tel Aviv, Israel

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17:15-18:30 SESSION IV - TUMORS AND TRACTOGRAPHY (cont.)

FREE PAPERS (cont.)

17:22 Selective Syntactic Impairment Following Dominant Premotor Tumor Resection: Preliminary Results and Aslant Tract Preservation in Awake Craniotomy Naomi Kahana Levy¹, Naama Friedmann², Akiva Korn¹, Ariel Agur³, Guy Gurevitch³, Neomi Singer³, Carla Richetta¹, Maayan Alvas³, Tal Shahar¹
¹Dept. of Neurosurgery, Tel-Aviv Sourasky Medical Center, ²School of Education and Sagol School of Neuroscience, Tel Aviv University, ³Sagol Brain Institute, Tel-Aviv Sourasky Medical Center, Sacker Faculty of Medicine, Tel Aviv University, Israel

Perioperative Mapping of Beat Processing: Insights From Awake Craniotomies

Neomi Singer^{1,2}, Gabriella Panishev³, Nimrod Keren², Nitzana Levine²,

Tali Siman-Tov², Irina Vendrov¹, Akiva Korn¹, Guy Gurevitch^{2,4}, Naomi Kahana Levy¹,

Yaara Erez⁵, Tal Shahar¹

¹Dept. of Neurosurgery, Tel Aviv Sourasky Medical Center, ²Sagol Brain Institute,

Tel Aviv Sourasky Medical Center, ³The Gonda Muldisciplinary Brain Research Center and Faculty of Engineering, Bar-llan University, ⁴Faculty of Medical & Health Sciences, Tel Aviv University, ⁵The Gonda Muldisciplinary Brain Research Center and Faculty of Engineering, Bar-llan University, Israel

Tractography vs Canonical Targeting for Tremor Control- Randomized Controlled Trial -Preliminary Results in 60 Patients (The TRACT Trial)

Lior Lev Tov^{1,2,3}, Noam Shalem^{1,3}, Alon Sinai¹, Ilana Erikh⁴, Ayelet Eran⁵,

Maria Nassar⁴, Mark Katson⁴, Inna Senderova⁴, Ilana Schlesinger^{2,4}

¹Dept. of Neurosurgery, Rambam, Haifa, ²Faculty of Medicine, Technion, Haifa, ³Faculty of Bio-Medical Engineering, Technion, Haifa, ⁴Dept. of Neurology, Rambam, Haifa, ⁵Dept. of Radiology, Rambam, Haifa, Israel

17:43 Clinical and Molecular Characteristics of CDKN2AB-Deleted Meningiomas: A Preliminary Analysis

Hanan Abofani¹, Ori Haisraely², Ofir Sholy Ben Mouel¹, Alisa Talianski², Moshe Attia¹, Zvi R. Cohen¹, Anton Wohl¹, Tehila Kaisman-Elbaz¹

¹Dept. of Neurosurgery, ²Neuro-Oncology Unit, Sheba Medical Center, Ramat-Gan, Israel

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17:15-18:30 SESSION IV - TUMORS AND TRACTOGRAPHY (cont.)

FREE PAPERS (cont.)

17:50 Intraoperative Subcortical Mapping of the Corticospinal Tracts in Intra-axial

Brain Tumors Resection: Bipolar vs Monopolar Stimulation Thresholds Liat Oxman¹, Stav Emanuel², Yosef Laviv¹, Sagi Harnof¹, Omer Zarchi²,

Andrew A Kanner¹

¹Dept. of Neurosurgery, Rabin Medical Center, Petah Tikva, Israel and Tel Aviv University Medical School, Tel Aviv, Israel, ² The Intraoperative Neurophysiology Unit, Rabin Medical Center, Tel Aviv University Medical School, Petah Tikva, Israel

17:57 Discussion

FLASH TALKS

18:05 Management of Hygromas after Decompressive Craniectomy

John Winestone, Simon Jarous

Dept. of Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel

18:08 Posterior Fossa Teratoma in an Adult

Rotem Hershkovitch¹, Andrew H. Kaye¹, Yakov Fellig², Samuel Moscovici¹
¹Dept. of Neurosurgery, Hadassah-Hebrew University Medical Center, ²Dept. of Pathology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel

18:11 Staged Bilateral VIM Thalamotomy for Essential Tremor

Alon Sinai¹, Ilana Schlesinger^{2,3}, Noam Shalem^{1,4}, Maria Nassar⁵, Inna Senderova⁵,

Marius Constantinescu¹, Lior Lev Tov¹

¹Dept. of Neurosurgery, Rambam Health Care, ²Dept. of Neurology - Movement Disorders Institute, Rambam Health Care, ³Faculty of Medicine, Technion, ⁴Faculty of Biomedical engineering, Technion, ⁵Dept. of Neurology, Rambam Health Care, Israel

18:14 Hyper-Acute Plasma GFAP and UCHL1 as an Aid-In-Evaluation of Acute TBI in

Soldiers with Combat Polytrauma

Rotem Hershkovitch¹, Alisa Sheldon², Keren Asraf², Cecilia Moskovitz²,

Yael Rosen Lang², Shachar Shapira², Yoram Klein², Avi Epstein², Raquel C. Gardner²
¹Dept. of Neurosurgery, Hadassah-Hebrew University Medical Center, ²Joseph Sagol Neuroscience Center, Sheba Medical Center, Tel Hashomer, Ramat Gan, Israel

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Wednesday, May 7, 2025 (cont.)

17:15-18:30 SESSION IV - TUMORS AND TRACTOGRAPHY

FLASH TALKS (cont.)

18:17	Superiority of Mini Craniotomy vs Large Craniotomy for Evacuation of Intracerebral Hemorrhage; Better Outcome and Shorter Hospital Stay Abed Siag Dept. of Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel
18:20	Intravascular Interventions in Penetrating Traumatic Brain Injuries (pTBI) Timing- Review and Case Report Jacob Rosenberg ^{1,2} , Gil Zur ³ , Eitan Abargil ^{1,3} , Shimon Maimon ³ , Gil Sviri ^{1,2} , Lior Lev Tov ^{1,2,4} ¹ Dept. of Neurosurgery, Rambam Medical Center, ² Faculty of Medicine, Technion, ³ Dept. of Radiology, Rambam Medical Center, ⁴ Faculty of Bio-Medical Engineering, Technion, Haifa, Israel
18:23	Spontanious Vaginal Delivery After Decompressive Craniectomy - Illustrative Case Ali Alkasim Kaadan , Sergey Abeshaus Dept. of Neurosurgery, Galilee Medical Center, Nahariya, Israel
18:26	Discussion
18:30	End of Day's Sessions
19:30	Dinner

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Thursday, May 8, 2025

07:30 Registration, Coffee and Visit to the Exhibition

08:00-09:00 SESSION V - UNIQUE THINGS ABOUT BRAIN TUMORS

Chairs: Uzi Ben-David, Israel Israel Melamed, Israel

FREE PAPERS

08:00 'Take Care' a Discharge Algorithm to Reduce Recurring Post-Discharge Inquiries

Paz Kelmer, Jose Asprill, Zvi Cohen, Lior Ungar

Dept. of Neurosurgery, Sheba Medical Center, Ramat Gan, Israel

08:07 Association Between Obstructive Sleep Apnea and Aggressiveness of CNS Tumors

Ohad Liberman¹, Tehila Kaisman-Elbaz^{1,2}, Ariel Tarasiuk³, Aviv Goldbart³,

Elad Avraham¹, Andrey Alushin¹, Micky Gidon¹, Vladimir Merkin¹, Israel Melamed¹ Dept. of Neurosurgery, Soroka University Medical Center, Beer Sheva, ²Dept. of Neurosurgery, Neurosurgical Oncology and Radiosurgery, Sheba Medical Center, Ramat-Gan, ³Sleep-Wake Disorders Unit, Soroka University Medical Center,

Beer Sheva, Israel

08:14 Ethnic Disparities in Cerebral Atherosclerotic Burden between Arabs and Jews

Living in Israel

Shady Jahshan^{1,2}, Galina Kiegler^{1,2}, Haill Salame^{1,2}, Masad Barhoum^{1,2}, Jean F. soustiel^{1,2}

¹Dept. of Neurosurgery and Neurology, Galilee Medical Center, Nahariya, ²Faculty of Medicine,

Bar Iilan University, Zafed, Israel

08:21 Characteristics Associated with Prognosis in DICH - Mapping the Damage

Talya Blumkine¹, Noy Sade^{1,2}, Amit Azriel^{1,3}, Elad Avraham^{1,3}, Israel Melamed^{1,3},

Yuval Sufaro^{1,3}

¹Ben-Gurion University of the Negev, Joyce & Irving Goldman Medical School, Faculty of Health Sciences, Beer-Sheva, ²Faculty of Health Sciences, Dept. of Epidemiology, Biostatistics and Community Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, ³Dept. of Neurosurgery, Soroka University Medical Center,

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Thursday, May 8, 2025 (cont.)

SESSION V - UNIQUE THINGS ABOUT BRAIN TUMORS (cont.) 08:00-09:00

FREE PAPERS (cont.)

08:28	Spatial-Oriented Tractography Analysis Noam Shalem ^{1,2} , Alon Sinai ² , Haim Azhari ¹ , Ilana Schlesinger ³ , Lior Lev-Tov ^{1,2,4} ¹ Faculty of Biomedical Engineering, Technion - Israel Institute of Technology, Haifa, ² Dept. of Neurosurgery, Rambam Health Care Campus, Haifa, ³ Dept. of Neurology, Rambam Health Care Campus, Haifa, ⁴ Faculty of Medicine, Technion - Israel Institute of Technology, Haifa, Israel
08:35	Stereotactic Implantation of Diffusing Alpha-emitters Radiation Therapy Sources in the Swine Brain

Yigal Shoshan¹, Robert B. Den², Aron Popovtzer³, Samuel Moscovici⁴ ¹Dept. of Neurosurgery, Hadassah Medical Center, Jerusalem, Israel ²Alpha Tau Medical, Jerusalem, ³Sharett Institute of Oncology, Hebrew University-Hadassah Medical Center, Jerusalem, ⁴Dept. of Neurosurgery, Hadassah-Hebrew University Medical Center, Jerusalem, Israel

"Pure" CPA Epidermoid Cyst a Histological and Clinical Benign Entity 08:42

Maria Del Pilar Anleu Saravia, Samuel Moscovici

Dept. of Neurosurgery, Hadassah Medical Center, Jerusalem, Israel

08:49 Surgery for AVM in the Endovascular Era

Nevo Margalit

Dept. of Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel

08:56 Discussion

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09:00-09:30	SESSION VI - CONTROVERSIES IN NEUROSURGERY- CRANIOPHARYNGIOMA - GTR VERSUS CONSERVATIVE RESECTION
	Chairs: Sergey Abeshaus, Israel Sergey Spektor, Israel
09:00	Shlomi Constantini Dept. of Neurosurgery, Ichilov Hospital, Tel Aviv, Israel
09:10	Nevo Margalit Dept. of Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel
09:20	Discussion
09:30-09:50	SESSION VII - INVITED LECTURE
	Chairs: Sergey Abeshaus, Israel Sergey Spektor, Israel
09:30	Same Name, Different Disease - Pediatric and Adult Brain Tumors Jehuda Soleman Neurosurgery and Pediatric Neurosurgery, University Hospital and Children's
09:50-10:30	Hospital of Basel, Basel, Switzerland SESSION VIII - PEDIATRICS AND CRANIOPHARYNGIOMA

Chairs: Shlomi Constantini, Israel

Nevo Margalit, Israel

FREE PAPERS

09:50 Craniopharyngioma: Shifts in the Treatment Paradigm and in the Surgical Treatment

Options
Nevo Margalit

Dept. of Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel

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09:50-10:30 SESSION VIII - PEDIATRICS AND CRANIOPHARYNGIOMA (cont.)

FREE PAPERS (cont.)

09:57	Endoscopic Transventricular Approach for Treatment of Craniopharyngiomas: Outcomes and Advantages Michael Farberov, Jacob Zauberman Dept. of Neurosurgery, Hadassah Medical Center, Jerusalem, Israel
10:04	Functional Outcomes are Preserved Despite the Need for Post-Natal Re-coverage Surgery after Fetoscopic Repair of Myelomeningocele Amir Kershenovich Dept. of Neurosurgery, Schneider Children's Medical Center of Israel, Israel
10:11	Admission or Discharge of Pediatric Patients with Isolated Skull Fractures. Original Series, Systematic Review of Literature and a Proposed Discharge Protocol Ido Ben Zvi ^{1,2} , Galal Imtiaz ² , Rory J Piper ² , Martin M Tisdall ² ¹ Dept. of Neurosurgery, Schneider Children's Medical Center of Israel, Israel ² Dept. of Neurosurgery, Great Ormond St Hospital for Children, UK
10:18	Limited Surgery and Radiation Therapy in The Management of Pediatric Craniopharyngioma; A Large Tertiary Single-Center Experience, Following St. Jude Children's Research Hospital Treatment Philosophy Segev Gabay ¹ , Lee Azulai ¹ , Jonathan Roth ¹ , Shlomi Constantini ² ¹ Dept. Neurosurgery, ² Pediatric Neurosurgery, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel
10:25	Discussion
10:30	Coffee Break and Visit to the Exhibition

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Thursday, May 8, 2025 (cont.)

11:00-12:00 **SESSION IX - MY WORST DISASTER**

Chairs: Andrew H. Kaye, Israel Iddo Paldor, Israel

Henry Brem, USA Jonathan Roth, Israel Michael Schulder, USA Sergey Spektor, Israel Gill E. Sviri, Israel

12:00-13:00 **GUEST LECTURE**

"A Golden Boy" **Asaf Yasur** Para-Olympic Champion

13:00-13:15 **BEST PAPER AWARDS** - Sponsored by Tzamal Medical

> Chairs: Mony Benifla, Israel Ido Strauss, Israel

Best Resident Basic Science Research Award 13:00

Analysis of Circulating Tumor DNA (ctDNA) in Patients with Glioblastoma for the Discovery of Novel Biomarkers to Evaluate Treatment Response Lee Azolai¹, Shlomo Tsuriel², Deborah T. Blumenthal³, Adi Kempfner¹,

Dov Hershkovits², Tal Shahar¹

¹Dept. Neurosurgery, ²Dept. of Pathology, ³Dept. of Oncology, Tel Aviv Sourasky

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Scientific Program

Thursday, May 8, 2025 (cont.)

13:00-13:15 BEST PAPER AWARDS - Sponsored by Tzamal Medical (cont.)

13:07 Best Resident Clinical Research Award

Novel AI Model for Automated Trajectory in Frameless Stereotactic Brain Biopsies **Shachar Zion Shemesh^{1 4}**, Roni Loebenstein², Roberta Bril Paroz², Nicola Maggio², Rotem Bohbot⁶, David Mesika³, Abigail Livny^{3,4,5}, Shay Illouz^{1,4,7}, Oliana Vazhgovski⁷, Netanel Nagar⁷, Shai Tejman-Yarden^{4,7}, Anton Wohl¹, Zvi R. Cohen¹,

Tehila Kaisman-Elbaz¹

¹Dept. of Neurosurgery, Sheba Medical Center, Ramat Gan, ²Dept. of Neurology, Sheba Medical Center, Ramat Gan, ³C. Bird Diagnostic Neuroimaging Lab, Sheba Medical Center, Ramat Gan, ⁴Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, ⁵The Sagol Neuroscience School, Tel Aviv University, Tel Aviv, ⁶Faculty of Medicine, Bar-Ilan University, Safed, ⁷The Engineering Medical Research Lab, Sheba Medical Center, Ramat Gan, Israel

13:15 Lunch and Visit the Exhibition

14:15-15:15 SESSION X - TECHNIQES, RADIATION NECROSIS AND MORE

Chairs: Shmuel Tobias, Israel Ido Strauss. Israel

FREE PAPERS

14:15 "Lazy" Far-Lateral Approach - Anterior Foramen Magnum and Lower Clivus

Or Almog, Andrew H. Kaye, Sergey Spektor, Samuel Moscovici Dept. of Neurosurgery, Hadassah-Hebrew University Medical Center,

Jerusalem, Israel

14:22 Novel AI Model for Automated Prediction of Radiation Necrosis versus Tumor

Recurrence In Glioblastoma Patients using Brain MRI

Shachar Zion Shemesh^{1,2}, Rotem Bohbot³, Anton Wohl^{1,2}, Zvi R. Cohen^{1,2},

Tehila Kaisman-Elbaz^{1,2}

¹Dept. of Neurosurgery, Sheba Medical Center, ²Faculty of Medicine, Tel Aviv University, ³Faculty of Medicine, Bar Ilan University, Israel

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Thursday, May 8, 2025 (cont.)

14:15-15:15 SESSION X - TECHNIQES, RADIATION NECROSIS AND MORE (cont.)

FREE PAPERS (cont.)

14:29 Middle Meningeal Artery Embolization for Chronic Subdural Hematoma:

Meta-Analysis of Three Randomized Controlled Trials and Review of Ongoing Trials

Yevgeny Karepov¹, Conor S. Gillespie^{1,2}, Munashe Veremu^{1,2}

¹Dept. of Neurosurgery, Addenbrooke's Hospital, Cambridge University Hospitals.,

Cambridge, UK, ²Dept. of Clinical Neurosciences, University of Cambridge,

Cambridge, UK

14:36 Clinical Outcome and Imaging Changes after MR-Guided Laser Interstitial

Thermal Therapy

Lottem Bergman¹, Ariel Agur¹, Segev Segev¹, Ariel Tankus^{1,2}, Itai Strauss², Leor Zach^{3,4}, Orna Aizenstein^{4,5}, Rachel Grossman^{6,7}, Tal Shahar¹, Ido Strauss^{1,4}
¹Dept. of Neurosurgery, Tel-Aviv Medical Center, Tel-Aviv, ²Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, ³Oncology Institute, Tel-Aviv Medical Center, Tel-Aviv, ⁴Faculty of Medicine, Tel-Aviv University, Tel Aviv, ⁵Dept. of Radiology, Tel-Aviv Medical Center, Tel-Aviv, ⁶Brain Tumor Center, Dept. of Neurosurgery, Rambam Health Care Campus Rappaport Faculty of Medicine, Haifa,

⁷Technion - Israel Institute of Technology, Haifa, Israel

14:43 Radiation Necrosis Following Stereotactic Radiosurgery for Resection Cavity of

Brain Metastases

Snir Haddad Shlaifshtein¹, Leor Zach², Orit Furman², Ido Strauss¹, Tal Shahar¹, Rachel Grossman³, Dafna Ben Bashat⁴, Moran Artzi⁴, Dror Limon⁵, Alexandra Bittan²

¹Neurosurgical Dept., Tel Aviv Sourasky Medical Center, ²Radiotherapy Dept., Tel Aviv Sourasky Medical Center, ³Neurosurgical Dept., Rambam Medical Center, ⁴Sagol Brain Institute, Tel Aviv Sourasky Medical Center, ⁵Radiotherapy Dept., Rabin Medical Center,

Israel

14:50 'Starting on the Right Foot' an Algorithmic Approach Model to Facilitate an

Improved ICU Admission Process

Paz Kelmer, Zaki Hinnawi, Jose Asprilla, Zvi Cohen, Lior Ungar

Dept. of Neurosurgery, Chaim Sheba Medical Center, Ramat Gan, Israel

14:57 Percutaneous Spinothalamic Radiofrequency Cordotomy for Intractable Cancer Pain:

A Large Cohort from a Single Institution Experience

Segev Gabay, Adi Kempfner, Ido Strauss

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Scientific Program

Thursday, May 8, 2025 (cont.)

14:15-15:15 SESSION X - TECHNIQES, RADIATION NECROSIS AND MORE (cont.)

FREE PAPERS (cont.)

15:04 Experimental Approaches in the Development of Novel Biologics Ablating the

Choroid Plexus: Our Experience using Human Ips/Es Cells Derived Choroid Plexus

Organoids

Carla Richetta³, Jason Tchieu², Gwendolyn Sebring¹, Stephanie Stevens¹,

Crystal Shula¹, Francesco Tindaro Mangano¹, June Goto¹

¹Division of Pediatric Neurosurgery, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio, USA, ²Division of Developmental Biology, Cincinnati Children's Medical Center, Ohio, USA, ³Dept. of Pediatric Neurosurgery, Tel aviv Sourasky

Medical Center, Tel Aviv, Israel

15:11 Discussion

15:15-16:45 SESSION XI - QUALITY OF LIFE

Chairs: Amir Kershenovich, Israel

Yigal Shoshan, Israel

15:15 Quality of Life in Patients with Brain Tumors

Shlomit Bagon

Social Working in Oncology and Hematology, Rambam Medical Center, Haifa, Israel

15:30 Recovery and Rehabilitation of Children After Brain Tumors

Shirit Ophir

Rehabilitation Physician. Medical Manager of the Pediatric Rehabilitation Unit of Rabbi Pirer's "EZRA LEMARPE" Association in Bnei Brak. Eating Rehabilitation Clinic at Alyn Hospital in Jerusalem, and an Independent Doctor in the Community

15:45 Palliative Care for Malignant Brain Tumors: Challenges, Dilemmas and Quality

of Life Improvements

Daniel Azulay

Palliative Care Service, Hadassah Medical Center- Mount Scopus, Jerusalem

16:00 "You Have Yourself"

Powerful Tools for Overcoming Crisis and Embracing Growth

Dafna Etziony

Educational Consultant & NLP Master; Clinic, workshops, lectures

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Scientific Program

Thursday, May 8, 2025 (cont.)

15:15-16:45	SESSION XI - QUALITY OF LIFE (cont.)
16:15	My Brain Tumor - a Curse or a Blessing? Avi Yaron
16:30	Discussion
16:45	Coffee Break and Visit to the Exhibition
17:00-17:40	SESSION XII - CONTROVERSIES II - EARLY VERSUS DELAYED SURGICAL
	INTERVENTION IN LOW GRADE GLIOMA PATIENTS

Chairs: Rachel Grossman, Israel

Samuel Moscovici, Israel

PRO: **Amit Azriel**, Israel CON: **Yossi Laviv**, Israel

Panel:

Henry Brem, USA

Shlomit Yust-Katz, Israel

Michael Schulder, USA

Yigal Shoshan, Israel

Iddo Paldor, Israel



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Scientific Program

Thursday, May 8, 2025 (cont.)

17:40-18:25 SESSION XIII - MISCELLANEOUS

Chairs: Yuval Grober, Israel

Yuval Sufaro, Israel

FREE PAPERS

17:40 Long-Term Outcomes of Percutaneous Balloon Compression for Recurrent

Trigeminal Neuralgia Following Microvascular Decompression

Jose Asprilla

Dept. of Neurosurgery, Chaim Sheba Medical Center, Ramat Gan, Israel

17:47 Cervical Spinal Melorheostosis: A Rare Presentation with Review of the Literature

Naama Turner

Dept. of Neurosurgery, Rambam Healthcare Campus, Haifa, Israel

17:54 Surgical Burr Hole Access for Direct Sinus Puncture and Transvenous Coil

Embolization of a Complex Superior Sagittal Sinus Dural Arteriovenous Fistula **Paz Kelmer**¹, Georgios Sioutas², Mohamed Salem², Visish Srinivasan², Jan Burkhardt² ¹Dept. of Neurosurgery, Sheba Medical Center, Israel, ²Dept. of Neurosurgery,

Hospital of the University of Pennsylvania, Philadelphia, US

18:01 Flow Diversion for the Management of DACAA

Or Almog, John Moshe Gomori, Ali Khanafer, Hans Henkes, Jose Cohen Dept. of Neurosurgery, Hadassah-Hebrew University Medical Center,

Jerusalem, Israel

18:08 Discussion

FLASH TALKS

18: 13 Occipital Positional Plagiocephaly Permanently Shifts the Dominance of the

Transverse Sinus to the Contralateral Side

Amir Kershenovich^{1,} **Omri Zvi Savir**^{1,} Ella Gurevich^{1,} Abraham Mizrahi^{2,} Malka Marmer³ ¹Dept. of Neurosurgery, Schneider Children's Medical Center of Israel, ²Neurosurgery,

ISSSTE, Mexico, USA, ³Tel Aviv University, Israel

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Scientific Program

Thursday, May 8, 2025 (cont.)

17:40-18:25	SESSION XIII - MISCELLANEOUS (cont.)
18:16	Osteolytic Echinococcal Cyst of the Cervical Spine Haggai Suisa Dept. of Neurosurgery, Galilee Medical Center, Nahariya, Israel
18:19	Discussion
18:25	End of Day's Sessions
19:30	Dinner

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Friday, May 9, 2025

EDUCATION DAY FOR RESIDENTS

08:00	Registration and Coffee
08:15-10:30	PART I
08:15	In-Vitro Models for Neurosurgical Resident Training Iddo Paldor
	Dept. of Neurosurgery, Shaare Zedek Medical Center, Jerusalem; The Faculty of Medicine, The Hebrew University, Jerusalem, Israel
08:40	Experimental Therapies and Ethical Issues in Diffuse Intrinsic Pontine Glioma Myriam Ben Arush
	Pediatric Oncology Hematology, Rambam Medical Center, Haifa
09:05	GTR in Pediatric Brain Tumors - Is it Really Necessary Mony Benifla, President, Israeli Neurosurgical Society
	Pediatric Neurosurgery Unit, Rambam Health Care Campus; Technion- Israel institute of technology Haifa, Israel
09:30	Pediatric Temporal Tumors and Epilepsy Jonathan Roth
	Division of Neurosurgery, Dept. of Pediatric Neurosurgery, Dana Children's Hospital, Tel Aviv Medical Center, Tel Aviv, Israel
09:55	Surgical Approaches for Pediatric Posterior Fossa Tumors Shlomi Constantini
	Dept. of Neurosurgery, Ichilov Hospital, Tel Aviv, Israel
10:20	Discussion
10:30	Coffee Break and Visit to the Exhibition

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Friday, May 9, 2025

EDUCATION DAY FOR RESIDENTS (cont.)

11:00-13:00	PART II
11:00	A Farewell to Frames: Mask-based Radiosurgery Michael Schulder
	Northwell Health Center for Advanced Medicine, NY, USA
11:20	Cerebral Metastasis - Surgical and Radiosurgical Decision Making Yigal Shoshan
	Neurosurgery, Hadassah Medical Center, Hebrew University of Jerusalem, Jerusalem, Israel
11:40	Updates in Glioma Classification Rachel Grossman
	Dept. of Neurosurgery, Rambam Health Care Campus, Haifa, Israel
12:00	Functional Assessments During Awake Craniotomies Tal Shahar
	Dept. of Neurosurgery, Tel Aviv Medical Center, Tel Aviv, Israel
12:20	Neurosurgical Residency Training / Fellowships
	Henry Brem Johns Hopkins University, Baltimore, USA
12:40	Utilizing Imaging-Based AI and Liquid Biopsies to Differentiate True Tumor Progression
	Tehila Kaisman-Elbaz Dept. of Neurosurgery, Sheba Medical Center, Ramat Gan, Israel
13:00	Closing Remarks and Feedback
13:05	Light Lunch

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E-POSTER PRESENTATIONS

- Convexity Chonrdoma: A Rare Entity of Radiological-Deceiving and Diagnosis-Challenging Intracranial Tumor - A Case Report of Convexity Chondroma Associated with CSF Leak Raslan Abu Husen, Samuel Moscovici Dept. of Neurosurgery, Hadassah Ein Kerem, Jerusalem, Israel
- 2. Meningitis Disguised as Aneurysmal Subarachnoid Hemorrhage Case Report and Review of the Literature

Lee Azolai, Alon Schwartz, Marga Serafimova Dept. of Neurosurgery, Tel Aviv Medical Center, Tel Aviv, Israel

3. Schistosomiasis Presenting as an Intracranial Space-Occupying Lesion Mimicking Glioblastoma

Lee Azolai¹, Segev Gabai₁ Ronen Ben Ami², Tal Shahar¹
¹Dept. of Neurosurgery, ²Dept. of Infection Disease, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

4. Transcranial Magnetic Stimulation (TMS) Intervention in Post-Traumatic Stress Disorder (PTSD) Hodaya Dahan^{1,2}, Alon Sinai¹, Lior Lev-Tov^{1,2,3}

¹Neurosurgery, Rambam Medical Center, ²Faculty of Medicine, Technion, ³Faculty of Bio-Medical Engineering, Technion, Haifa, Technion, Israel

5. Endoscopic Management of Large Intracranial Cysts: Surgical Indications and Anatomical Revelations

Michael Farberov¹, Samuel Samuel², Jacob Zauberman³
¹Dept. of Neurosurgery, ²Skull Base Neurosurgery, ³Pediatric Neurosurgery, Hadassah Medical Center, Jerusalem, Israel

6. Cortical Unihemispheric Brain Edema (CUBE) Syndrome Secondary to Multi-System Inflammatory Syndrome (MIS) Necessitating Decompressive Craniectomy in An Adult: A Case Report and Literature Review

Segev Gabay, Oz Haim

Dept. of Neurosurgery, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

7. Tumor Regression in a Newborn with High Grade Neuroepithelial Tumor Rotem Hershkovitch¹, Moatasim Shweiki¹, Yakov Fellig², Shalom Michowiz¹¹Dept. of Neurosurgery, ²Pathology, Hadassah-Hebrew University Medical Center, Jerusalem, Israel



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E-POSTER PRESENTATIONS (cont.)

- Case Report: "The Hidden Dangers of the Everyday: A Domestic Kitchen Device Transforms into a Lethal Force, Causing Severe Orbital-Cranial Trauma"
 Shaimaa Khamaisi, Shadi Hayek, Gill E. Sviri Dept. of Neurosurgery, Rambam Medical Center, Haifa, Israel
- 9. Midline High Grade Glioma in Spinal Cord Mimicking Inflammatory Process: Retrospective Review with Emphasis on Imaging Sequence Diagnosis Leah Morejon¹, Moatazem Shweiki², Andres Vargas³ ¹Dept. of Neurosurgery, ²Pediatric Neurosurgery, ³Spine Division Neurosurgery, Hadassah Ein Kerem, Jerusalem, Israel
- 10. Late Failure of Everolimus in a Patient with Tuberous Sclerosis Complex after 10 Years of Effective Response: An Illustrative Case Carla Richetta¹, Shlomi Constantini¹, Rina Dvir², Jonathan Roth¹
 ¹Pediatric Neurosurgery, Dana Children's Hospital, Tel Aviv Medical Center
 ²Pediatric of Hemato-Oncology, Dana Children's Hospital, Tel Aviv Medical Center, Tel Aviv, Israel
- The Use of Intraventricular Na-Nitroprusside in Treatment Refractory Vasospasm Haill Salame, Jean Francois Soustiel Dept. of Neurosurgery, Galilee Medical Center, Israel
- Interchangeable Use of Digital Adjustment Tools for Calibrating Variable-Pressure Cerebrospinal Fluid Valves - A Safety Concern That Should Be Addressed Haggai Suisa, Sergey Abeshaus Dept. of Neurosurgery, Galilee Medical Center, Nahariya, Israel
- 13. The Multifaced Impact of Volunteering in an Israeli Neurosurgery Department Following the October 7th Mass Casualty Attack Gabriella Vulakh¹, Jonathan Roth^{2,3}, Sigal Freedman²
 ¹Dept. of Emergency Management and Disaster Medicine, School of Public Health, Faculty of Medical and Health Sciences, Tel Aviv University, ²Dept. of Neurosurgery, Tel Aviv Sourasky Medical Center, ³Faculty of Medical and Health Sciences, Tel Aviv University, Israel