

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Scientific Program

**Wednesday, May 3, 2023**

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

---

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

---

**Mony Benifla**, *President, Israeli Neurosurgical Society*  
**Iddo Paldor**, *Secretary, Israeli Neurosurgical Society*

---

**13:40-15:02 SESSION I: FUNCTIONAL, PEDIATRIC AND SPINE**

---

*Chairs:* **Yuval Gruber**, Israel  
**Yakov Zauberman**, Israel

### FREE PAPERS

- 13:40 THE ROLE OF BRAIN OSCILLATIONS AND BRAIN ENTRAINMENT IN NEUROSURGERY: AN OVERVIEW  
**Anton Peled**  
Neurosurgery, Sheba Medical Center, Ramat Gan, Israel
- 13:47 BILATERAL DECOMPRESSIVE CRANIECTOMY  
**Yazid Badarny**  
Neurosurgery, Rambam Medical Center, Haifa, Israel
- 13:54 THE PRE-PONTINE AND TENTORIAL BLOCK AND THEIR RELEVANCE IN DEVELOPMENT AND TREATMENT OF HYDROCEPHALUS: A DESCRIPTIVE ANATOMICAL CASES SERIES  
**Carla Richetta**<sup>1</sup>, Sheli Shiran<sup>2</sup>, Jonathan Roth<sup>1</sup>, Shlomi Constantini<sup>1</sup>  
<sup>1</sup>Neurosurgery, <sup>2</sup>Radiology, Ichilov Hospital, Tel Aviv, Israel
- 14:01 VENTRICULOPERITONEAL SHUNT (VPS) SURVIVAL FROM THE NEONATAL PERIOD INTO ADULTHOOD-A SINGLE-CENTER LONG-TERM RETROSPECTIVE STUDY  
**Ido Ben Zvi**<sup>1,2</sup>, Elias Badin<sup>2</sup>, Aswin Chari<sup>2</sup>, Kristian Aquilina<sup>2</sup>  
<sup>1</sup>Neurosurgery, Schneider Children's Medical Center of Israel, Petah Tikva, Israel; <sup>2</sup>Neurosurgery, Great Ormond Street Hospital for Children, London, UK

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Wednesday, May 3, 2023 (cont.)

### 13:40-15:02 SESSION I: FUNCTIONAL, PEDIATRIC AND SPINE (Cont.)

- 14:08 PERCUTANEOUS SPINOTHALAMIC CORDOTOMY IN A DEEPLY-SEDATED STATE  
GUIDED BY NEUROPHYSIOLOGY MONITORING  
**Segev Gabay**<sup>1</sup>, Yechiam Sapir<sup>1</sup>, Akiva Korn<sup>1</sup>, Rotem Tellem<sup>2</sup>, Uri Hochberg<sup>3</sup>,  
Alex Zegerman<sup>4</sup>, Ben Shoty<sup>5</sup>, Ido Strauss<sup>1</sup>  
<sup>1</sup>Neurosurgery, Ichilov, Tel-Aviv, Israel; <sup>2</sup>Palliative Care Service, Ichilov,  
Tel-Aviv, Israel; <sup>3</sup>Institute of Pain Medicine, Ichilov, Tel-Aviv, Israel;  
<sup>4</sup>Division of Anesthesia, Ichilov, Tel-Aviv, Israel; <sup>5</sup>Neurosurgery, University of  
Utah, Salt Lake City, USA
- 14:15 DYNAMICS IN LESIONS DURING AND AFTER MR-GUIDED LASER INTERSTITIAL  
THERMAL THERAPY - TLVMC EXPERIENCE  
**Lottem Bergman**, Ido Strauss  
Dept. of Neurosurgery, Tel Aviv Medical Center, Tel Aviv, Israel
- 14:22 QUALITY OF LIFE OF CHILDREN WITH SURGICALLY TREATED EPILEPSY-THE PATIENT'S  
PERSPECTIVE  
**Ido Ben Zvi**<sup>1,2</sup>, Aswin Chari<sup>2</sup>, Martin Tisdall<sup>2</sup>  
<sup>1</sup>Neurosurgery, Schneider Children's Medical Center of Israel, Petah Tikva,  
Israel; <sup>2</sup>Neurosurgery, Great Ormond Street Hospital for Children, London, UK
- 14:29 NEURO REACH - MAKING SURGERY IN NEUROSURGERY ACCESSIBLE - AN INTRADURAL  
SPINAL CATHETER DEVICE  
**Uri Hadelsberg**, Andres Vargas  
Neurosurgery, Hadassah University Medical Center, Jerusalem, Israel
- 14:36 LANGUAGE ACTIVATION AREAS AND PATHWAYS INTEGRITY ASSESSMENT FOLLOWING  
GLIOMA RESECTION AND SUBSEQUENT RADIATION TREATMENT  
**Tehila Kaisman-Elbaz**<sup>1</sup>, Zvi R. Cohen<sup>1</sup>, Zion Zibly<sup>1</sup>, Anton Wohl<sup>1</sup>, Gali Tsarfaty<sup>2,3</sup>,  
Eugenia A. Belenky<sup>2</sup>, David Mesika<sup>2</sup>, Anat Leibovici<sup>2</sup>, Abigail Livny<sup>2,3,4</sup>  
<sup>1</sup>Dept. of Neurosurgery, Sheba Medical Center, Ramat-Gan, <sup>2</sup>Division of  
Diagnostic Imaging, Sheba Medical Center, Ramat-Gan, <sup>3</sup>Sackler Faculty of  
Medicine, Tel-Aviv University, Tel-Aviv, <sup>4</sup>The Sagol Neuroscience School,  
Tel-Aviv University, Tel-Aviv, Israel
- 14:43 SHIFTING STRATEGIES IN THE TREATMENT OF PEDIATRIC CRANIOPHARYNGIOMA;  
"A TALE OF TWO CRANIOPHARYNGIOMAS"  
**Segev Gabay**, Jonathan Ruth, Shlomi Constantini  
Neurosurgery, Ichilov, Tel-Aviv, Israel

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

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

[neurosurgery@target-conferences.com](mailto:neurosurgery@target-conferences.com) | [www.israelneurosurgery.com](http://www.israelneurosurgery.com)

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Wednesday, May 3, 2023 (cont.)

---

13:43-15:02      SESSION I: FUNCTIONAL, PEDIATRIC AND SPINE (Cont.)

---

### FLASH TALKS

- 14:50      SYNTACTIC AND LEXICAL MAPPING IN AWAKE CRANIOTOMY  
**Naomi Kahana**<sup>1</sup>, Rachel Grossman<sup>1</sup>, Zvi Ram<sup>1</sup>, Naama Friedmann<sup>2</sup>  
<sup>1</sup>Neurosurgery, Ichilov, Tel Aviv, <sup>2</sup>School of Education and Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, Israel
- 14:53      CAN GRADIENT-BASED INTRAOPERATIVE ELECTRICAL MAPPING HELP IDENTIFY PROXIMITY TO THE WHITE MATTER LANGUAGE TRACTS?  
**Naomi Kahana**<sup>1</sup>, Akiva Korn<sup>1</sup>, Naama Friedmann<sup>2</sup>, Carla Richetta<sup>1</sup>, Guy Gurevitch<sup>3</sup>, Moran Artzi<sup>3</sup>, Nimrod Keren<sup>3</sup>, Zvi Ram<sup>1</sup>, Rachel Grossman<sup>1</sup>  
<sup>1</sup>Neurosurgery, Ichilov, Tel Aviv, <sup>2</sup>School of Education and Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, <sup>3</sup>Sagol School of Neuroscience, Ichilov, Tel Aviv, Israel
- 14:56      POSTOPERATIVE CERVICAL KYPHOSIS IN CHILDREN AFTER CERVICAL FUSION - OUR EXPERIENCE, ASSOCIATED RISK FACTORS, AND LITERATURE REVIEW:  
**Segev Gabay**, Ofir Dror  
Neurosurgery, Ichilov, Tel-Aviv, Israel
- 14:59      INFLUENCE OF CONGENITAL CERVICAL SPINAL STENOSIS ON DEVELOPING DEGENERATIVE CERVICAL MYELOPATHY  
**Rawan Majid Al Asad**, Rawan Majid Al Asad, Andres Vargas  
Neurosurgery, Hadassah Ein Karem Hospital, Jerusalem, Israel



# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Wednesday, May 3, 2023 (cont.)

15:02-16:00		SESSION II - TECHNIQUES AND COMPLICATIONS OF DECOMPRESSIVE CRANIECTOMY
		<i>Chairs:</i> <b>Amit Azriel</b> , Israel <b>Guy Rosenthal</b> , Israel
15:02	INTRODUCTION AND HOW I DO IT	<b>Guy Rosenthal</b> Dept. of Neurosurgery, Hadassah Hebrew University Medical Center, Jerusalem, Israel
15:09	DURAL FENESTRATION OR WIDE DURAL OPENING?	<b>Iddo Paldor</b> Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel
15:16	INFECTIOUS COMPLICATIONS AND SECONDARY HEMATOMAS	<b>Elad Avraham</b> Dept. of Neurosurgery, Soroka University Medical Center; Faculty of Health Sciences, Ben Gurion University of The Negev, Beer-Sheva
15:23	THE SUNKEN FLAP SYNDROME	<b>Jean F. Soustiel</b> Dept. of Neurosurgery, Galilee Medical Center, Nahariya, Israel
15:30	DIFFICULT SCALP WOUND MANAGEMENT IN DC	<b>Alan Bilig</b> Dept. of Plastic and Reconstructive Surgery, Hadassah Hebrew University Medical Center, Jerusalem, Israel
15:37	PEDIATRIC CONSIDERATION IN DC	<b>Jonathan Roth</b> Dept. of Neurosurgery, Tel-Aviv Medical Center, Tel Aviv, Israel
15:44	HYDROCEPHALUS AND VP SHUNTING AFTER DC	<b>Leah Kahanov</b> Neurosurgery, Hadassah Medical Center Hebrew University Hospital, Jerusalem, Israel
15:51	Panel Discussion	
16:00	Coffee Break and Visit the Exhibition	

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Wednesday, May 3, 2023 (cont.)

### 16:30-17:30 SESSION III - SURGICAL APPROACH TO THORACIC DISC HERNIATION

*Chair:* **Eyal Itshayek**, Israel  
**Steve Jackson**, Israel

16:30 SURGERY VIA ANTERIOR APPROACH TO THORACIC DISC HERNIATION

**Andreas Demetriades**

Neurosurgeon and Spinal Surgeon, Edinburgh, UK

President EANS (European Association of Neurosurgical Societies)

16:50 SURGERY VIA POSTERIOR APPROACH TO THORACIC DISC HERNIATION

**Jesus Lafuente**

Neurosurgeon at the Hospital Universitario del Mar, Barcelona, Spain

17:10 Case Presentation and Round Table Discussion

### 17:30-18:23 SESSION IV - VASCULAR, RADIOSURGERY, FUNCTIONAL AND MORE

*Chairs:* **Uzi Ben David**, Israel  
**Tal Shahr**, Israel

#### FREE PAPERS

17:30 THE ROLE OF MIDDLE MENINGEAL ARTERY EMBOLIZATION AS A MAIN TREATMENT FOR CHRONIC SUBDURAL HEMATOMA

**David Saraf**<sup>1</sup>, Guy Raphaeli<sup>2</sup>, Michael Findler<sup>2</sup>, Alain Perlow<sup>2</sup>, Idan Levitan<sup>1</sup>, Sagi Harnof<sup>1</sup>

<sup>1</sup>Neurosurgery, <sup>2</sup>Interventional Neuroradiology, Rabin Medical Center, Petah Tikva, Israel

17:37 RECOVERY OF CRANIAL NERVE NEUROPATHIES AFTER LINAC-BASED STEREOTACTIC RADIOSURGERY FOR BENIGN CAVERNOUS SINUS MENINGIOMA

**Tehila Kaisman-Elbaz**<sup>1</sup>, Philip Blumenfeld<sup>2</sup>, Marc Wygoda<sup>2</sup>, Yigal Shoshan<sup>3</sup>

<sup>1</sup>Department of Neurosurgery, Sheba Medical Center, Ramat-Gan, Israel; <sup>2</sup>The Department of Radiotherapy, Hadassah Hebrew University Medical Center, Jerusalem, Israel; <sup>3</sup>The Dept. of Neurosurgery, Hadassah Hebrew University Medical Center, Jerusalem, Israel

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Wednesday, May 3, 2023 (cont.)

### 17:30-18:23 SESSION IV - VASCULAR, RADIOSURGERY, FUNCTIONAL AND MORE (Cont.)

- 17:44 POST DECOMPRESSIVE CRANIECTOMY HYDROCEPHALUS: ROLE OF CRANIOPLASTY ALONE AND IN COMBINATION WITH VENTRICULOPERITONEAL SHUNT- A RESTROSPECTIVE COHORT STUDY  
**Carla Richetta**<sup>1</sup>, Shaun Edalati<sup>1</sup>, Segev Gabay<sup>1</sup>, Yuval Shapira<sup>1</sup>  
<sup>1</sup>Neurosurgery, Ichilov Hospital, Tel Aviv, Israel
- 17:51 ENDOVASCULAR EMBOLIZATION OF PROXIMAL MIDDLE MENINGEAL ARTERY AS ADJUNCTIVE THERAPY IN TREATMENT OF CHRONIC SUBDURAL HEMATOMA - REVIEW OF PATHOLOGY, ENDOVASCULAR TECHNIQUE CURRENT LITERATURE, AND OUR EXPERIENCE  
**Anton Peled**<sup>1</sup>, Zion Zibly<sup>1</sup>, David Orion<sup>2</sup>, Gal Yaniv<sup>3</sup>  
<sup>1</sup>Neurosurgery, <sup>2</sup>Neurology, Sheba Medical Center, Ramat Gan, <sup>3</sup>Radiology, Sheba Medical Center, Ramat Gan, Israel
- 17:58 COMANECI-ASSISTED ANGIOPLASTY FOR SUBARACHNOID HEMORRHAGE-INDUCED VASOSPASM: FIRST EXPERIENCE WITH A COHORT OF 10 PATIENTS AND 84 INTERVENTIONS  
**Guy Raphaeli**  
Interventional Neuroradiology Unit, Rabin Medical Center, Petach Tikva, Israel

### FLASH TALKS

- 18:05 AWAKE CRANIOTOMY FOR RESECTION OF SUPRA-TENTORIAL BRAIN METASTASES IN ELOQUENT AREAS  
**Amit Azriel**<sup>1,2</sup>, Alon Moore Galindo<sup>2</sup>, Nave Paran<sup>3</sup>, Elad Avraham<sup>1,2</sup>, Yuval Sufaro<sup>1,2</sup>  
<sup>1</sup>Dept. of Neurosurgery, Soroka University Medical Center, Beer-Sheva,  
<sup>2</sup>Faculty of Health Sciences, Ben Gurion University of The Negev, Beer-Sheva,  
<sup>3</sup>Clinical Research Center, Soroka University Medical Center, Beer-Sheva, Israel
- 18:08 INTERCHANGEABLE USE OF DIGITAL ADJUSTMENT TOOLS FOR CALIBRATING VARIABLE-PRESSURE CEREBROSPINAL FLUID VALVES - A PROOF OF CONCEPT  
**Suisa Haggai**<sup>1</sup>, Sergey Abeshaus<sup>1</sup>  
<sup>1</sup>Neurosurgery, Galilee Medical Center, Nahariya, Israel



# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Wednesday, May 3, 2023 (cont.)

17:30-18:23	SESSION IV - VASCULAR, RADIOSURGERY, FUNCTIONAL AND MORE (Cont.)
18:11	<p>PATIENTS OUTCOMES FOLLOWING STEREOTACTIC RADIOSURGERY AND SURGICAL INTERVENTION FOR BRAIN METASTASES OF THE MOTOR CORTEX</p> <p><b>Diana C. Bolívar V.<sup>1</sup>, José A. Asprilla González<sup>1</sup></b>, Zvi R. Cohen<sup>1</sup>, Zion Zibly<sup>1</sup>, Anton Wohl<sup>1</sup>, Uzi Nissim<sup>1</sup>, Roberto Spigelmann<sup>1</sup>, Alisa Talianski<sup>2</sup>, Yaacov R. Lawrence<sup>3</sup>, Amos Stemmer<sup>4</sup>, Ory Haisraeli<sup>2,3</sup>, Tehila Kaisman-Elbaz<sup>1</sup></p> <p><sup>1</sup>Dept. of Neurosurgery, <sup>2</sup>Neuro-Oncology Unit, <sup>3</sup>The Dept. of Radiotherapy, <sup>4</sup>The Dept. of Oncology, Sheba Medical Center, Ramat-Gan, Israel</p>
18:14	<p>AIMING TOWARDS DIFFERENTIATING GLIOBLASTOMA PROGRESSION FROM PSEUDOPROGRESSION - PATIENTS' COHORT ESTABLISHMENT AND PRELIMINARY RESULTS</p> <p><b>Hanan Abofani<sup>1</sup>, Mustafa Siddeeq<sup>1</sup></b>, Zvi R. Cohen<sup>1</sup>, Zion Zibly<sup>1</sup>, Anton Wohl<sup>1</sup>, Amos Stemmer<sup>2</sup>, Alisa Talianski<sup>3</sup>, Ory Haisraeli<sup>3,4</sup>, Tehila Kaisman-Elbaz<sup>1</sup></p> <p><sup>1</sup>Dept. of Neurosurgery, <sup>2</sup>The Oncology Dept., Ramat-Gan, <sup>3</sup>Neuro-Oncology Unit, <sup>4</sup>The Dept. of Radiotherapy, Sheba Medical Center, Ramat-Gan, Israel</p>
18:17	<p>DEEP BRAIN STIMULATION OF THE GPI (GLOBUS PALLIDUM PARS INTERNA) FOR GENERALIZED SECONDARY DYSTONIA IN A FEMALE PATIENT WITH RETT SYNDROME: A CASE REPORT</p> <p><b>Juan Francisco Leon Ripalda<sup>1</sup></b>, Leah Kahanov<sup>1</sup>, Zvi Israel<sup>1</sup>, Stefanie Glowinsky<sup>2</sup>, Hagai Bergman<sup>2</sup></p> <p><sup>1</sup>Neurosurgery, Hadassah Medical Center Hebrew University Hospital, Jerusalem, <sup>2</sup>ELSC, Hebrew University of Jerusalem, Jerusalem, Israel</p>
18:20	<p>TWO CASES OF SUPRATENTORIA SUBDURAL HEMATOMA, FOLLOWING MICROVASCULAR DECOMPRESSION FOR TRIGEMINAL NEURALGIA</p> <p>Juan Francisco Leon Ripalda, <b>Leah Kahanov</b>, Zvi Israel</p> <p>Neurosurgery, Hadassah Medical Center Hebrew University Hospital, Jerusalem, Israel</p>
18:23	<i>End of Day's Sessions</i>
19:30	<i>Dinner</i>

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Thursday, May 4, 2023

07:30 Registration, Coffee and Visit the Exhibition

### 08:00- 09:00 SESSION V - TECHNIQUES AND COMPLICATIONS

*Chairs:* **Sergey Abeshaus**, Israel  
**Yuval Sufaro**, Israel

#### FREE PAPERS

- 08:00 MORTALITY AND COMPLEX-MORBIDITY RATES DURING THE FIRST YEAR FOLLOWING MILD TRAUMATIC BRAIN INJURY IN THE ELDERLY POPULATION  
**Lotem Kehati**<sup>1</sup>, Amit Azriel<sup>2,1</sup>, Mai Ofri<sup>1</sup>, Nave Paran<sup>3</sup>, Elad Avraham<sup>2,1</sup>, Yuval Sufaro<sup>2,1</sup>  
<sup>1</sup>Faculty of Health Sciences, Ben Gurion University of The Negev, Beer-Sheva, Israel; <sup>2</sup>Department of Neurosurgery, Soroka University Medical Center, Beer-Sheva, Israel; <sup>3</sup>Clinical Research Center, Soroka University Medical Center, Beer-Sheva, Israel
- 08:07 SUPRATENTORIAL PARENCHYMAL HEMANGIOBLASTOMAS - CLINICAL AND RADIOLOGICAL DIFFERENCES ASSOCIATED WITH ANTERIOR VS. POSTERIOR CIRCULATION  
**David Saraf**, Liat Oxman, Yossi Laviv  
Neurosurgery, Rabin Medical Center, Petah Tikva, Israel
- 08:14 THE IMPACT OF EXTENT OF ABLATION ON SURVIVAL OF PATIENTS WITH NEWLY DIAGNOSED GLIOBLASTOMA TREATED WITH LASER INTERSTITIAL THERMAL THERAPY; A LARGE SINGLE INSTITUTIONAL COHORT  
**Tehila Kaisman-Elbaz**<sup>1</sup>, Tianqi Xiao<sup>2,3</sup>, Matthew M. Grabowski<sup>2,4,5</sup>, Gene H. Barnett<sup>2,4,5</sup>, Alireza M. Mohammadi<sup>2,4,5</sup>  
<sup>1</sup>Dept. of Neurosurgery, Sheba Medical Center, Ramat-Gan, Israel; <sup>2</sup>Rose Ella Burkhardt Brain Tumor and Neuro-Oncology Center, Neurological Institute, The Cleveland Clinic, Cleveland, Ohio, USA; <sup>3</sup>Case Western Reserve University School of Medicine, Case Western Reserve University, Cleveland, Ohio, USA; <sup>4</sup>Dept. of Neurosurgery, The Cleveland Clinic, Cleveland, Ohio, USA; <sup>5</sup>Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, The Cleveland Clinic, Cleveland, Ohio, USA



# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



Thursday, May 4, 2023 (cont.)

08:00- 09:00

## SESSION V - TECHNIQUES AND COMPLICATIONS (Cont.)

- 08:21 CEREBRAL VENOUS SINUS THROMBOSIS FOLLOWING TRANSLABYRINTHINE APPROACH FOR VESTIBULAR SCHWANNOMA: RETROSPECTIVE ANALYSIS OF 89 CASES  
**Yuval Sufaro**<sup>1</sup>, Amit Azriel<sup>1</sup>, Robert Briggs<sup>2</sup>, Elad Avraham<sup>1</sup>, Elad Avraham<sup>1</sup>, Andrew Kaye<sup>3</sup>  
<sup>1</sup>Neurosurgery, Soroka, Beer Sheva, Israel; <sup>2</sup>Otolaryngology, Royal Melbourne Hospital, Melbourne, Australia; <sup>3</sup>Neurosurgery, Royal Melbourne Hospital, Melbourne, Australia
- 08:28 RETRACTORLESS TRANSCRANIAL MICROSURGERY FOR SKULL BASE MENINGIOMAS  
**Moshe Attia**  
Neurosurgery, Sheba Medical Center, Ramat Gan, Israel
- 08:35 CHORDOMAS: BALANCING IN BETWEEN THE EXTENT OF REMOVAL, COMPLICATIONS, AND THE ROLE OF ADJUVANT RADIOTHERAPY  
**Sergey Spektor**<sup>1</sup>, Samuel Moscovici<sup>2</sup>, Robin Sharif<sup>3</sup>, Carlos Candanedo<sup>4</sup>  
<sup>1</sup>Neurosurgery, Assuta Medical Center, Tel Aviv-Yafo, Israel; <sup>2</sup>Neurosurgery, Hadassah University Hospital, Jerusalem, Israel; <sup>3</sup>Neurosurgery, Shamir Medical Center, Tel Aviv-Yafo, Israel; <sup>4</sup>Neurosurgery, Panama Clinic, Panama, Panama
- 08:42 DERIVATION AND VALIDATION OF A PREDICTION MODEL AND IDENTIFICATION OF RISK FACTORS FOR CHRONIC SUBDURAL HEMATOMA AMONG ELDERLY PATIENTS WITH MILD TRAUMATIC BRAIN INJURY  
**Mai Ofri**<sup>1,2</sup>, Amit Azriel<sup>3,1</sup>, Nave Paran<sup>2</sup>, Elad Avraham<sup>3,1</sup>, Yuval Sufaro<sup>3,1</sup>, Noam Barda<sup>4,5,6</sup>  
<sup>1</sup>Faculty of Health Sciences, Ben Gurion University of The Negev, Beer-Sheva, Israel; <sup>2</sup>Clinical Research Center, Soroka University Medical Center, Beer-Sheva, Israel; <sup>3</sup>Department of Neurosurgery, Soroka University Medical Center, Beer-Sheva, Israel; <sup>4</sup>Epidemiology, Biostatistics and Community Health Services, Ben Gurion University of The Negev, Beer-Sheva, Israel; <sup>5</sup>Software and Information Systems Engineering, Ben Gurion University of The Negev, Beer-Sheva, Israel; <sup>6</sup>ARC Innovation Center, Sheba Medical Center, Tel Hashomer, Ramat Gan, Israel

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Thursday, May 4, 2023 (cont.)

08:00- 09:00

### SESSION V - TECHNIQUES AND COMPLICATIONS (Cont.)

08:49

LONGITUDINAL VOLUMETRIC EVALUATION OF BRAIN METASTASES AFTER  
STEREOTACTIC RADIOSURGERY WITH DEEP LEARNING

Yonny Hammer<sup>1</sup>, Wenad Najjar<sup>2</sup>, **Leo Jaskowicz**<sup>1</sup>, Yigal Shoshan<sup>2</sup>

<sup>1</sup>School of Computer Science and Engineering, The Hebrew University of  
Jerusalem, Jerusalem, <sup>2</sup>Dept. of Neurosurgery, Hadassah University  
Medical Center, Jerusalem, Israel

09:00- 10:00

### SESSION VI - NEUROSURGERY FOR THE TERMINALLY ILL PATIENT OUTLINE - PART I

Sponsored by **Novocure**

*Chairs:* **Avital Perry**, Israel  
**John Winestone**, Israel

09:00

REPEAT SURGERY FOR GLIOBLASTOMA

**Vakis Papanastasiou**

Neurosurgeon, Aretaeio Hospital, Nicosia, Cyprus;  
Clinical Professor, St. George's University of London Medical Programme at the  
University of Nicosia; Chair of the EANS Training Committee, European  
Association of Neurosurgical Societies

09:30

SHUNTING FOR HCP WITH LEPTOMENINGEAL CARCINOMATOSIS

**Amir Khriesh**

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

09:45

PALLIATIVE CARE IN METASTATIC SPINAL TUMORS: AGGRESSIVE AND  
CONSERVATIVE SURGICAL MANAGEMENT

**Cezar José Mizrahi**

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

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Thursday, May 4, 2023 (cont.)

---

<b>10:00- 10:30</b>	<b>SESSION VI - NEUROSURGERY FOR THE TERMINALLY ILL PATIENT OUTLINE - PART II EXTREME SITUATIONS IN NEUROSURGICAL ONCOLOGY</b>
---------------------	--

---

- |       |   |
|-------|---|
| 10:00 | SHOULD ANY (ADULT) PATIENT WITH TWO BLOWN PUPILS BE OPERATED?<br><b>Gill E. Sviri</b><br>Dept. of Neurosurgery, Rambam Healthcare Campus, Haifa, Israel |
| 10:15 | PEDIATRIC EXTREME CASES<br><b>Amir Kershenovich</b><br>Pediatric Neurosurgery, Schneider Children's Medical Center of Israel,<br>Petah Tikva, Israel    |
| 10:30 | <i>Coffee Break and Visit the Exhibition</i>  |

---

<b>11:00 - 13:00</b>	<b>SESSION VII - EXTENDED TRANSPHENOIDAL APPROACH TO PARA-SELLAR LESIONS</b>
----------------------	--

---

*Chairs:* **Samuel Moscovici**, Israel  
**Gill E. Sviri**, Israel

- |       |  |
|-------|--|
| 11:00 | ENDONASAL OR TRANSCRANIAL? SELECTION OF THE SAFEST APPROACH<br><b>Sergey Spektor</b><br>Dept. of Neurosurgery, Assuta Medical Center, Tel Aviv, Israel |
| 11:15 | VASCULAR INJURY - PREVENTION AND MANAGEMENT<br><b>Nevo Margalit</b><br>Dept. of Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel           |
| 11:30 | COMPLICATIONS IN PITUITARY SURGERY<br><b>Israel Melamed</b><br>Dept. of Neurosurgery, Soroka, Beer Sheva, Israel                                       |
| 11:45 | Discussion and 2 Case Presentations by Dr. Sviri and Dr. Moscovici   |



# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Thursday, May 4, 2023 (cont.)

11:00 - 13:00		SESSION VII - EXTENDED TRANSPHENOIDAL APPROACH TO PARA-SELLAR LESIONS (Cont.)
12:00	<i>Invited Speaker</i>	ENDOSCOPIC ENDONASAL APPROACH TO THE LOWER CLIVUS AND CVJ - HOW LOW CAN YOU GO, AND HOW TO GET THERE? <b>Nikolaos Foroglou</b> Dept. of Neurosurgery, AHEPA University Hospital, Thessaloniki, Greece
12:20	<i>Invited Speaker</i>	ENDOSCOPIC APPROACH TO COMPLEX CRANIOPHARYNGIOMAS - TECHNIQUE AND COMPLICATION AVOIDANCE <b>David Netuka</b> Dept. of Neurosurgery and Neurooncology, First Faculty of Medicine Charles University and Military University Hospital Prague, Czech Republic

## FLASH TALKS - GENERAL

12:42	HIPPOCAMPAL RESECTION DURING HEMISPHEROTOMY - IS IT NEEDED? <b>Lottem Bergman</b> <sup>1,2</sup> , Ben Shofty <sup>1,2</sup> , Ariel Agur <sup>1</sup> , Shimrit Uliel Sibony <sup>5,6</sup> , Jeffrey M. Treiber <sup>3,4</sup> , Daniel J. Curry <sup>3,4</sup> , Itzhak Fried <sup>1,6</sup> , Howard L. Weiner <sup>3,4</sup> , Jonathan Roth <sup>1,6</sup> <sup>1</sup> Dept. of Pediatric Neurosurgery, Dana Children's Hospital, Tel-Aviv Medical Center, Tel-Aviv, Israel, <sup>2</sup> Dept. of Neurosurgery, University of Utah, Salt Lake City, UT, <sup>3</sup> Dept. of Neurosurgery, Baylor College of Medicine, Houston, Texas, <sup>4</sup> Division of Pediatric Neurosurgery, Dept. of Surgery, Texas Children's Hospital, Houston, Texas, <sup>5</sup> Pediatric Epilepsy Unit, Dana Children's Hospital, Tel-Aviv Medical Center, Tel-Aviv, Israel, <sup>6</sup> Tel Aviv University, Tel Aviv, Israel
12:45	METASTASES TO MENINGIOMA - REVIEW AND META-ANALYSIS <b>Naama Turner</b> <sup>1</sup> , Andrew Kaye <sup>2</sup> , Iddo Paldor <sup>1</sup> <sup>1</sup> Neurosurgery, Rambam Medical Center, Haifa, <sup>2</sup> Neurosurgery, Hadassah Medical Center, Jerusalem, Israel

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Thursday, May 4, 2023 (cont.)

11:00 - 13:00	SESSION VII - EXTENDED TRANSPHENOIDAL APPROACH TO PARA-SELLAR LESIONS (Cont.)
12:48	<p>A QUANTITATIVE ASSESSMENT OF BONE RESORPTION IN PATIENTS AFTER AUTOLOGOUS BONE CRANIOPLASTY FOLLOWING DECOMPRESSIVE CRANIECTOMY</p> <p><b>Wenad Najjar</b><sup>1</sup>, Ruth Eliyahu<sup>2</sup>, Phillip Berman<sup>2</sup>, Yigal Shoshan<sup>1</sup>, Guy Rosenthal<sup>1</sup></p> <p><sup>1</sup>Neurosurgery, Hadassah, Jerusalem, Israel; <sup>2</sup>Radiology, Hadassah, Jerusalem, Israel</p>
12:51	<p>EARLY SURGERY FOR PATIENTS WITH NON-FUNCTIONING PITUITARY MACROADENOMA WITHOUT MASS EFFECT UPON OPTIC APPARATUS - IS IT JUSTIFIED (AND WHEN)?</p> <p>Elad Avraham, <b>Yuval Sufaro</b>, Amit Azriel, Israel Melamed</p> <p>Neurosurgery, Soroka, Beer Sheva, Israel</p>
12:54	<p>PREDICTION OF PERI-OPERATIVE COMPLICATIONS ACCORDING TO CLAVIEN- DINDO CLASSIFICATION IN GLIOBLASTOMA SURGERY</p> <p><b>Carla Richetta</b><sup>1</sup>, Shaun Edalati<sup>1</sup>, Rachel Grossman<sup>2</sup></p> <p><sup>1</sup>Neurosurgery, Ichilov Hospital, Tel Aviv, <sup>2</sup>Faculty of Medicine, Sackler University, Tel Aviv, Israel</p>
12:57	<p>VERY DELAYED CSF LEAK IN PATIENTS AFTER CRANIOTOMY FOR RESECTION OF SKULL BASE TUMORS</p> <p><b>Waed Masalha</b>, Lea Kahanov, Sergey Spektor, Andrew Kaye, Andrew Kroger, Samuel Moscovici</p> <p>Dept. of Neurosurgery, Hadassah Medical Center, Jerusalem, Israel</p>
13:00 - 13:15	BEST PAPER AWARDS - Sponsored by <i>Tzamal Medical</i>
	<p><i>Chairs:</i> <b>Mony Benifla</b>, Israel</p> <p><b>Iddo Paldor</b>, Israel</p>
13:00	<p><b>Best Resident Basic Science Research Award</b></p> <p>LYSYL OXIDASE- A NEW PROGNOSTIC BIOMARKER FOR GLIOBLASTOMA PATIENTS</p> <p><b>Ravit Yehezkely</b><sup>1</sup>, Peleg Hasson<sup>2</sup>, Iddo Paldor<sup>3</sup></p> <p><sup>1</sup>Neurosurgery, Rambam Health Care Campus, Haifa, <sup>2</sup>Dept. of Genetics and Developmental Biology, Technion - Israel Institute of Technology, Haifa; <sup>3</sup>Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel</p>

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

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

[neurosurgery@target-conferences.com](mailto:neurosurgery@target-conferences.com) | [www.israelneurosurgery.com](http://www.israelneurosurgery.com)

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Thursday, May 4, 2023 (cont.)

---

### 13:00 - 13:15 BEST PAPER AWARDS (Cont.)

---

- 13:07 **Best Resident Clinical Research Award**  
ARTIFICIAL INTELLIGENCE (AI) BASED PREDICTION TOOL FOR ACUTE POST-  
OPERATIVE AIRWAY COMPLICATIONS FOLLOWING ANTERIOR CERVICAL SPINE  
SURGERY  
Shemesh Shachar<sup>1,2,3</sup>, Gil Kimchi<sup>1</sup>, Ran Harel<sup>1,2</sup>  
<sup>1</sup>Neurosurgery, Sheba Medical Center, Ramat Gan, Israel; <sup>2</sup>Sackler Faculty of  
Medicine, Tel Aviv University, Tel Aviv, Israel; <sup>3</sup>Arrow Program for Medical  
Research Education, Sheba Medical Center, Ramat Gan, Israel
- 13:15 *Lunch and Visit the Exhibition*

---

### 14:15 - 15:45 SESSION VIII - MY WORST DISASTER

---

*Chair:* **Andrew Kaye**, Israel  
**Yigal Shoshan**, Israel

- 14:15 **Israel Melamed**  
Dept. of Neurosurgery, Soroka, Beer Sheva, Israel
- 14:28 **David Netuka**  
Dept. of Neurosurgery and Neurooncology, First Faculty of Medicine Charles  
University and Military University Hospital Prague, Czech Republic
- 14:40 **Zvi Ram**  
Assuta Medical Center, Tel Aviv; Herzliya Medical Center, Herzliya, Israel
- 14:52 **Andreas Demetriades**  
Neurosurgeon and Spinal Surgeon, Edinburgh, UK  
President EANS (European Association of Neurosurgical Societies)
- 15:05 **Jesus Lafuente**  
Neurosurgeon at the Hospital Universitario del Mar, Barcelona, Spain
- 15:17 **Nikolaos Foroglou**  
Dept. of Neurosurgery, AHEPA University Hospital, Thessaloniki, Greece
- 15:30 **Andrew Kaye**  
Dept. of Neurosurgery, Hadassah Medical Center, Jerusalem, Israel

Secretariat: **Target Conferences Ltd**, PO Box 51227, Tel Aviv 6713818, Israel  
Tel: +972 3 5175150 | Fax: +972 3 5175155  
[neurosurgery@target-conferences.com](mailto:neurosurgery@target-conferences.com) | [www.israelneurosurgery.com](http://www.israelneurosurgery.com)

**TARGET CONFERENCES**  
**טרגט כנסים בע"מ**  
CONVENTIONS • TOURS (GROUPS & FITS) • INCENTIVES



# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Thursday, May 4, 2023 (cont.)

---

15:45-16:45      **Guest Speaker**

---

**Prof. Yaron Zelekha**

WHAT THE HELL IS GOING ON IN THE ISRAELI SOCIO ECONOMY

16:45      *Coffee Break and Visit the Exhibition*

---

**17:15 - 18:15      SESSION IX- ENDOSCOPIC INTRAVENTRICULAR TUMOR RESECTION**  
*Controversial case discussion*

---

Chairs:    **Mony Benifla**, Israel  
              **Jonathan Roth**, Israel

17:15      RESECTION OF COLLOID CYST- ENDOSCOPIC OR OPEN  
              **Israel Melamed**  
              Dept. of Neurosurgery, Soroka, Beer Sheva, Israel

17:27      ENDOSCOPIC TRANS-VENTRICULAR APPROACH RO CRANIPHARINGIOMA  
              **Jacob Zauberman**  
              Dept. of Neurosurgery, Sheba Medical Center, Ramat Gan, Israel

17:39      ENDOSCOPIC PINEAL REGION SURGERY- INDICATIONS, TECHNIQUE AND  
              COMPLICATIONS  
              **Gustavo Rajz**  
              Dept. of Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel

17:51      CASE DISCUSSION  
              **Mony Benifla**  
              Dept. of Neurosurgery and Pediatric Neurosurgery, Rambam Healthcare Campus,  
              Haifa, Israel  
              **Jonathan Roth**  
              Dept. of Neurosurgery, Tel-Aviv Medical Center, Tel Aviv, Israel

18:15      *End of Day's Sessions*

19:00      *Dinner*

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



**Friday, May 5, 2023**

## EDUCATION DAY FOR RESIDENTS

### BASIC NEUROSURGICAL APPROACHES

Chair: **Andrew Kaye**, Israel

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

---

#### 08:15 - 10:30 PART I

---

- 08:15 **Invited Speaker**  
PTERIONAL  
**David Netuka**  
Dept. of Neurosurgery and Neurooncology, First Faculty of Medicine, Charles University and Military University Hospital, Prague, Czech Republic
- 08:35 SUBFRONTAL  
**Gill E. Sviri**  
Dept. of Neurosurgery, Rambam Healthcare Campus, Haifa, Israel
- 08:55 ANTERIOR 3<sup>rd</sup> VENTRICLE  
**Israel Melamed**  
Dept. of Neurosurgery, Soroka, Beer Sheva, Israel
- 09:15 V-P SHUNT  
**Jonathan Roth**  
Dept. of Neurosurgery, Tel-Aviv Medical Center, Tel Aviv, Israel
- 09:30 ETV  
**Miki Gideon**  
Dept. of Neurosurgery, Pediatric Neurosurgery Unit, Soroka University Medical Center, Ben-Gurion University of the Negev, Beer Sheva, Israel
- 09:50 SUBTEMPORAL  
**Nevo Margalit**  
Dept. of Neurosurgery, Shaare Zedek Medical Center, Jerusalem, Israel
- 10:10 Discussion
- 10:30 *Coffee Break, Hotel Check-Out and Visit the Exhibition*

# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## Friday, May 5, 2023 (Cont.)

### 10:55 - 13:00 PART II

- |       |   |
|-------|---|
| 10:55 | TRANSSPHENOIDAL<br><b>Samuel Moscovici</b><br>Neurosurgery, Hadassah University Hospital, Jerusalem, Israel   |
| 11:15 | RETROSIGMOID<br><b>Sergey Spektor</b><br>Dept. of Neurosurgery, Assuta Medical Center, Tel Aviv, Israel   |
| 11:30 | MIDLINE POSTERIOR FOSSA<br><b>Shlomi Constantini</b><br>Dept. of Neurosurgery, Ichilov Hospital, Tel Aviv, Israel<br><b>Jehuda Soleman</b><br>Neurosurgery and Pediatric Neurosurgery, University Hospital and Children's Hospital of Basel, Basel, Switzerland |
| 11:45 | DECOMPRESSIVE CRANIECTOMY<br><b>Guy Rosenthal</b><br>Dept. of Neurosurgery, Hadassah, Jerusalem, Israel   |
| 12:05 | POSTERIOR LAMINECTOMY<br><b>Eyal Itshayek</b><br>Dept. of Neurosurgery, Rabin Medical Center, Petah Tikva, Israel   |
| 12:25 | ANTERIOR CERVICAL<br><b>Ran Harel</b><br>Neurosurgery, Sheba Medical Center, Ramat Gan, Israel; Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel  |
| 12:45 | SELECTIVE DORSAL RHIZOTOMY<br><b>Bo Xiao</b><br>Department of Pediatric Neurosurgery, Chief of Muscle Tone Surgical Management Unit, Shanghai Children's Hospital, Shanghai, China  |
| 13:00 | <i>Closing remarks and feedback</i>   |
| 13:05 | <i>Light Lunch</i>  |



# Annual Meeting of the Israeli Neurosurgical Society

May 3-5, 2023, Galilion Hotel, Israel



[www.israelneurosurgery.com](http://www.israelneurosurgery.com)



## E-POSTER PRESENTATIONS

1. TRIGEMINAL NEURALGIA AND ASSOCIATED HYDROCEPHALUS; NOT A MERE INCIDENTAL FINDING? CASE REPORT AND LITERATURE REVIEW:  
**Segev Gabay<sup>1</sup>**, Lottem Bergman<sup>1</sup>, Michal Raz<sup>2</sup>, Jonathan Roth<sup>1</sup>  
<sup>1</sup>Neurosurgery, Ichilov, Tel-Aviv, <sup>2</sup>Pathology, Ichilov, Tel-Aviv, Israel
2. FALSE LATERALIZING SIGN IN SKULL BASE TUMOR - A CASE SERIES OF FIVE PATIENTS  
Lea Kahanov<sup>1</sup>, **Uri Hadelsberg<sup>1</sup>**, Andrew Kaye<sup>1</sup>, Sergey Spektor<sup>2</sup>, Jose Cohen<sup>1</sup>, Samuel Moscovici<sup>1</sup>  
<sup>1</sup>Neurosurgery, Hadassah University Medical Center, Jerusalem, Israel; <sup>2</sup>Neurosurgery, Assuta Medical Center, Tel Aviv, Israel
3. SUBDURAL EMPYEMA FOLLOWING DEEP BRAIN STIMULATION SURGERY FOR PARKINSON'S DISEASE: A CASE REPORT  
**Juan Francisco Leon Ripalda<sup>1</sup>**, Zvi Israel<sup>1</sup>, Leah Kahanov<sup>1</sup>, **Maria del Pilar Anleu<sup>1</sup>**  
<sup>1</sup>Neurosurgery, Hadassah Medical Center Hebrew University Hospital, Jerusalem, Israel
4. A RETROSPECTIVE PREDICTIVE MODEL FOR POSTOPERATIVE NEUROLOGICAL COMPLICATIONS AFTER INTRADURAL EXTRAMEDULLARY SPINAL TUMOR RESECTION  
**Wassim Mazarieb**, Gill E. Sviri  
Neurosurgery, Rambam Medical Center, Haifa, Israel
5. NEUROENDOSCOPY: A VERSATILE TOOL TO APPROACH VARIOUS, COMPLEX INTRACRANIAL PATHOLOGIES  
**Leah Morejón**, Andrew Kaye, Guy Rosenthal, Samuel Moscovici  
Neurosurgery, Hadassah Ein Kerem, Jerusalem, Israel
6. DELAYED-ONSET FULMINANT VISION LOSS FOLLOWING CRANIOTOMY DUE TO RETINAL ARTERY EMBOLISM: CASE REPORT  
**Zurita Marco**, Andrew Kroger, Andrew Kaye, Jose Cohen, Samuel Moscovici  
Neurosurgery, Hadassah Hebrew University Hospital, Jerusalem, Israel

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

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

[neurosurgery@target-conferences.com](mailto:neurosurgery@target-conferences.com) | [www.israelneurosurgery.com](http://www.israelneurosurgery.com)