

THE 26TH ANNUAL MEETING OF THE ISRAEL SPINE SOCIETY

04-06 June 2025

Hacienda Forest View



WEDNESDAY, 4 JUNE

CHECK-IN

14:30 CHECK-IN AND REGISTRATION, HACIENDA FORREST VIEW, MAALOT

19:30: OPENING COCKTAILS AND GET-TOGETHER DINNER

THURSDAY - 5 JUNE

08:30 – 08:40

WELCOME NOTE **Nimrod Rahamimov**

SESSION 1: CERVICAL DEGENERATIVE

Moderators: Morsi Khashan, Tai Friesem

08:40-08:47

Impact of Severe Obesity on Outcomes in Single-Level Anterior Cervical Discectomy and Fusion (ACDF): A Large-Scale Comparative Study

David Maman, Ofek Bar, Yaniv Steinfeld, Ali Sleiman, Arsen Shpigelman, Lior Ben Zvi, Yaron Berkovich

08:47 – 08:55

Comparative Analysis Concerning Single Level Anterior Cervical Discectomy and Fusion: Free-Hand versus Navigation-Guided Approaches

Assil Mahamid, David Maman, Summer Sofer, Marah Hodruj, Amir Midleg, Arsen Shpigelman, Yaron Berkovich, Amit Keren, Eyal Behrbalk

08:55 – 09:02

Comparative Analysis of Cervical Disc Arthroplasty and Anterior Cervical Discectomy and Fusion: Trends, Demographics, and Clinical Outcomes in a Nationwide Inpatient Sample

Assil Mahamid, David Maman, Summer Sofer, Marah Hodruj, Amir Midleg, Arsen Shpigelman, Yaron Berkovich, Amit Keren, Eyal Behrbalk

09:02 – 09:10

Adjacent Level Disease and Degeneration following Posterior Cervical Decompression and Fusion

Morsi Khashan, Dror Ofir, Zvi Lidar, Gilad Regev, Uri Hochberg, Khalil Salame

09:10-09:17

A 2-Year follow-up of Cervical Retrolaminar Injections and their Potential Surgery Sparing Effect.

Morsi Khashan, Roy Cohen, Ahmad Taher , Silviu brill MD, Uri Hochberg MD

09:17-09:25

A Rare Case of Cervical Spinal Melorheostosis: Case Report and Literature Review

Naama Turner, Ravit Gabay, Gil Sviri, Shadi Hayek

09:25 – 09:45

KEYNOTE : CERVICAL DISC – STATE OF THE ART

TAI FRIESEM

09:45 – 10:00

DISCUSSION-Session 1

10:00-10:30

COFFEE BREAK

10:30-10:50

Debate : CERVICAL SPONDYLOTIC MYELOPATHY – CONSERVATIVE VS SURGICAL TREATMENT

Moderators: Gilad Regev, Tai Friesem

Pro SURGERY – Morsi Khashan – Sourasky Medical Center

Pro CONSERVATIVE – Eyal Behrbalk- Hillel Yaffe Medical Center

10:50 – 11:10

DISCUSSION-Debate

SESSION 2: LUMBAR TRAUMA

Moderators: Shay Menachem, Yair Barzilay

11:15 – 11:22

A Novel Bipedicular Dissociation Fracture Pattern and Novel Intravertebral Fixation (IVF) Technique of Vertebral Osteoporotic Fractures of the Elderly

Raphael Lotan, Oded HersHKovich

11:22 – 11:30

Radiologic and Quality of Life Outcomes in Thoracolumbar Compression Fractures: Kyphoplasty vs. Conservative Management

Dana Avraham, Tai Friesem, Maria Oulianski, Amir Herman

11:30 – 11:37

3D-Navigated Trans-sacral Screw Fixation in Elderly Patients with Sacral Insufficiency Fractures: A Retrospective Observational Study

Diego A. Sandoval-Lopez, Saeed Yassin, Philip Mantilla-Mayans, Juan M. Lopez-Navarro, Karen Velazquez, Marcos A. Suarez-Gutierrez, Arnulfo Garza-Silva, Vasilis Karantzoulis, Karla Silva-Hernández, Edgar Santos , Farzam Vazifehdan

11:37 – 11:45

Non-operative Management for Patients with Spinal Ankylosing Disorders Presenting with Extension Type (AOSpine B3) Fractures- Our Experience with a Cohort of 40 Patients

Gal Barkay, Joel Fernandes, David Strong, Sean Suttor, Nathan Hartin, Randolph Gray

11:45 – 11:52

Robotic Assisted Spinopelvic Fixation for Complex Pelvic and Spinopelvic Fractures. Our Experience

Gal Barkay, Yoram Veil, David Laniado, Ohad Einav, Josh Schroeder

11:52 – 12:00

Robotic Assisted Vs. Freehand Sacro-Iliac fixation for Sacral Fractures. A Comparative study

Gal Barkay, Yoram Veil, David Laniado, Ohad Einav, Josh Schroeder

12:00 – 12:07

Robotic Guided Fixation of Sacral Fractures. Every Fracture is a one-of-a-kind

Halawani D, Hamed A, Quteina B, Arzi H, Barzilay Y.

12:07 – 12: 25

DISCUSSION-Session 2

SESSION 3: CERVICAL TRAUMA

Moderators: Ran Harel, Yossi Smorgik

12:25-12:30

Early versus Delayed Surgery for Central Cord Syndrome: An Observational Cohort Analysis Exploring Real-World Clinical Practices, Trends, and Safety Profile

Ahmad Essa, Husain Shakil, Armaan K. Malhotra, Avery B. Nathens, , Yossi Smorgick, Yoram Anekstein, Christopher D. Witiw

12:30 -12:35

Quantifying the Association Between Surgical Spine Approach and Tracheostomy Timing After Traumatic Cervical Spinal Cord Injury

Ahmad Essa, Husain Shakil, Armaan K. Malhotra, James P. Byrne, Jetan Badhiwala, Eva Y. Yuan, Yingshi He, Andrew S. Jack, Francois Mathieu, Jefferson R. Wilson, Christopher D. Witiw

12:35-12:40

Trends and Impact of Pharmacological Venous Thromboembolism Prophylaxis Timing for Traumatic Cervical Spinal Cord Injury Across North American Trauma Centers from 2013 to 2020

Ahmad Essa, Husain Shakil, Armaan K. Malhotra, James P. Byrne, Jetan Badhiwala, Eva Y. Yuan, Yingshi He, Andrew S. Jack, Francois Mathieu, Jefferson R. Wilson, Christopher D. Witiw

12:40-13:00

Spinal Cord Injury Therapies- What's New ?

Ran Harel

13:00-13:30

PANEL DISCUSSION

Is Spine Surgery a medical profession in itself?

Mony Benifla, Chairman, Israel Neurosurgical Society
Ronen Debbi, Chairman, Israel Orthopedic Association
Uri Farkash, Chairman, Israel Society for Surgery of the Hand
Nimrod Rahamimov, Chairman, Israel Spine Society

13:30 - 14:30

Lunch

SESSION 3 (CONT.) : CERVICAL TRAUMA

Moderators: Ran Harel, Yossi Smorgik

14:30-15:00

Debate : TIMING OF SURGERY FOR CENTRAL CORD SYNDROME

Moderators: Ran Harel, Yossi Smorgik

EARLY – Ahmad Essa -Assaf Harofe

LATE – Gal Barkay- Hadassah

15:00-15:15

Discussion

SESSION 4: LUMBAR DEGENERATIVE

Moderators: Oded Hershkowitz, Arsen Spiegelman

15:20-15:27

Predictors of post-operative spinal-instability following decompression without fusion of degenerative lumbar spondylolisthesis with stenosis

Mohanad Magdoub, Ofek Ovadia, Adi Shani, Nimrod Rahamimov

15:27-15:35

Effectiveness of Interspinous Process Devices in managing Adjacent Segment Degeneration following lumbar spinal fusion: A Systematic Review & Meta-Analysis Mangal H, Felzensztein D, Shafafy R, Itshayek E

15:35-15:43

Improvement in low back pain following endoscopic decompression for spinal stenosis

Maria Auron MD Yihyun Roh ,Maria C Pedraza Ciro, Win

Boonsirikamchai, Yi-Hao Liang, Jung Hoon Kim, Jin-Sung Kim

15:43-15:50

Comparative Analysis of Primary and Revision Single-Level Lumbar Fusion Surgeries: Predictors, Outcomes, and Clinical Implications Using Big Data

Assil Mahamid, Lior Laver, Liad Alfandai, Hamza Jabareen, Binyamin Finkel, Noa Martonovich, Amit Keren, Eyal Behrbalk

15:50-15:57

Comparative Analysis of Complications, Costs, Mortality, and Length of Stay in Lumbar Fusion Surgery: Robotic-Assisted versus Navigation-Guided Approaches

David Maman, Amir Abu Elija, Assil Mahamid, Lior Laver, Eyal Behrbalk.

15:57-16:05

Safety of Continuing Aspirin Therapy in Elderly Patients Undergoing Single-Level Minimally Invasive Lumbar Spine Surgery: A Retrospective Cohort Study

Saeed Yassin, Vasilis Karantzoulis, Eyal Itshayek, Farzam Vazifehdan

16:05-16:25

KEYNOTE : REVISION SURGERY FOR SPINAL FUSION

Julian Leong, Royal National Orthopedic Hospital, Stanmore, UK

16:25-16:45

Discussion-session 4

END OF DAY 1

19:30 - GALILEE GRILL GALA DINNER, CENTRAL LAWN

21:00 - NITZANI AND DANNY: YAIR NITZANI AND DANNY BASSAN REUNION, AUDITORIUM

FRIDAY - 6 JUNE

SESSION 5: PEDIATRIC DEFORMITY

Moderators: David Felzenstein, Jonathan Koch

08:30-08:37

Comparing the effect of conservative or surgical treatment of patients with myopathic scoliosis on function and quality of life

Alexandra Satanovsky, Rana Hanna, Patrice L. Weiss, Amihai Rigbi ,
Josh Schroeder, Sharon Eylon,

08:37-08:45

Predictive Factors for Intraoperative Neuromonitoring Alerts in Paediatric Scoliosis Surgery

Jonathan Koch, Martin Estefan, Alan Gessara, Mohammed S Patel,
Michael P Grevitt

08:45-08:52

Non-Surgical Management of Early-Onset Scoliosis- Evaluating the Role of EDF Casting in Cobb Angle Correction

Felzensztein D, Mangal H, Shafafy R

08:52-9:10

Discussion-Session 5

09:10-09:30

KEYNOTE : GROWTH MODULATION BY VERTEBRAL BODY TETHERING

Julian Leong, Royal National Orthopedic Hospital, Stanmore, UK

09:30-9:45

Discussion - Growth Modulation

9:45 - 10:15

COFFEE BREAK

SESSION 6: PAIN AND INNOVATION

Moderators: Harel Arzi

10:15 – 10:22

The Sheba experience with ArtiFascia: A Novel Synthetic Solution for Dura Substitution

Maya Nulman; Ran Harel

10:22-10:30

The role of oxytocin and Sex in analgesic placebo-response: A sham randomized clinical trial in Chronic Back-pain Patients

Rinat Mendelson-Keypur, Adi Shani, Michal Granot, Eilam Paltzur , Roi Treister, Nimrod Rahamimov

10:30-10:37

The Effect of Cannabis Use on Postoperative Complications in Patients Undergoing Spine Surgery. A National Database Study.

Gal Barkay , Matthew J Solomito , Regina O Kostyun , Sean Esmende , Heeren Makanji

10:37-10:45

Assessment of Pain Intensity Using the Nociception Level (NoL) Index During Key Phases of Spinal Surgery: An Observational Study.

Mahmod Hasan, Yaron Berkovich, Ali Sleiman, Arsen Shpigelman

10:45-10:52

Preoperative Opioid Use Disorder Predicts Prolonged Ventilation, Central Line Placement, and Major Anesthesiology Complications After ACDF Surgery: A Big Data Analysis of 180,000 Cases

David Maman, Maneesh Nandakumar, Yaniv Steinfeld , Ali Sleiman, Arsen Shpigelman, Yaron Berkovich

10:52-11:00

Opioid Dependence Increases Complications and Costs Following Lumbar Spinal Fusion: Insights from a Nationwide Database

Assil Mahamid, Lior Laver, Liad Alfandai, Hamza Jabareen, Binyamin Finkel, Noa Martonovich, Amit Keren, Eyal Behrbalk

11:00-11:07

Spinal Surgery Clinic at a Tertiary Referral Center, collaboration with pain clinic and Factors Influencing Surgical Referral Rates

Morsi khashan, Ahmad Taher, Dror Ofir ,Zvi Lidar Uri Hochberg

11:07-11:15

Back Pain Location and Severity in Military Aviators Using Machine Learning Tools

Lilach Gavish, Neta Rabin, Yarden Cohen, Iliya Morgunov, David Pastron, Laura Aronov, Kobi Steinberg, Yael Frenkel-Nir, Shachar Shapira, Barak Gordon, Shir Naveh, Yair Barzilay

Discussion-Session 6

11:30-12:30

ISS Business Meeting

12:30-13:00

Lunch

13:00-14:00

INVITED NON-MEDICAL SPEAKER (IN HEBREW):

Donald Trump's new world - and the middle east

Nadav Eyal, MA (global politics), London School of Economics
Senior researcher, Columbia university, school of international and public affairs

Author, Journalist and commentator, Yedioth aharonot
Sokolov prize laureate

THE 26TH ANNUAL MEETING OF THE ISRAEL SPINE SOCIETY



04-06 June 2025

Hacienda Forest View