THE 17TH ANNUAL MEETING OF THE ISRAEL SPINE SOCIETY

25-28 May 2016
Wednesday-Saturday
The Royal Beach Hotel
Eilat - Israel.
General Information

The 17th annual meeting of the Israel Spine Society will be held on Wednesday-Saturday, 25th - 28th May, 2016 “Royal Beach” Hotel in Eilat.

- **Acting Committee**
  - Nachshon Knoller M.D
    - Chairman
  - Yoram Anekshtein M.D
    - Secretary
  - Eyal Itshayek M.D
    - Treasurer
  - Israel Caspi M.D
    - Educational Committee
  - Gad J. Velan M.D
    - Committee Member

- **International Keynote Speakers**
  - Edward C. Benzel M.D.
    - Chairman, Department of Neurosurgery, Cleveland Clinic, USA
    - Editor-in-Chief, World Neurosurgery
  - Frank M. Phillips M.D.
    - Professor, Orthopaedic Surgery
    - Spine Fellowship Co-Director Rush University Medical Center
    - Chicago IL, USA
  - Robert Gunzburg M.D., Ph.D.
    - Private practice at the Eeuwfeestkliniek, Antwerpen, Belgium
    - Editor-in-Chief, European Spine Journal
    - President, ISSLS 2014/2015
    - President, Spine Society of Europe 2007/8

- **Honored Guest Lecturer**
  - Aaron Ciechanover Prof.
    - Distinguished Research Professor Laureate, the 2004 Nobel Prize in Chemistry

- **Conference secretary**
  - Mrs. Shanit Twito

- **Official language**
  - The official language will be English
  - Certificate of attendance will be provided upon request.
  - Throughout the duration of the meeting, exhibits stands will display spine surgery systems, pharmaceutical and medical products

- **Dress code**
  - Casual
Wednesday, May 25, 2016

14.00 - 14.55
REGISTRATION

14.55 - 15.00
Opening Remarks
N. Knoller, ISS Chairman

Session 1: CERVICAL SPINE
Chairmen: E. Ashkenazy, E. Itshayek

15.00 - 15.20
Keynote Lecture: Cervical Spondylosis: Myelopathy and Deformity
E.C. Benzel

15.20 - 15.25
Discussion

15.26 - 15.34
Cervical Spine Surgery: Which Approach is Better?
R. Harel, P. Stylianou, N. Knoller

15.35 - 15.43
Neurodegenerative Biomarkers in Cervical Myelopathy Patients
N. Ackshota

15.44 - 15.52
Spine and ENT Joint Ventures in Cases Requiring Thyroidectomy and ACDF

15.53 - 16.01
Outcome Assessment in Spine Surgery
A. Rabin, M. Levinkof, I. Caspi, N. Ackshota, A. Friedlander

16.00 - 16.10
Effectiveness of Thromboembolism Prevention During Rehabilitation After Spinal Cord Injury

16.10 - 16.15
Discussion

16.15 - 16.35
COFFEE BREAK

16.35 - 16.55
Keynote Lecture: Cervical TDR - is it Better than Fusion?
F.M. Phillips

16.56 - 17.06
Comments & Discussion
E.C. Benzel

Session 2: TRAUMA
Chairmen: E.C. Benzel, R. Harel

17.07 - 17.15
Management of Cervical and Thoracic Penetrating Stab Injuries with Retained Foreign Bodies
A. Hamad, H. Arzi, A. Popov, J. Winestone, Y. Barzilay

17.16 - 17.24
Efficacy, Safety and Pain Control of Vertebral Stenting for Painful Vertebral Compression Fractures: A Prospective Study with 6-Months Follow Up

Scientific Program
Cemented Versus Uncemented Posterior Fixation for Unstable Traumatic Spinal Fractures: A One Year Follow Up Study
Y. Gellman, J. Schroeder, H. mulla, A. Shani, S. Frieman, L. Kaplan, A. hasharoni, E. itzahyek, N. Rahamimov

Discussion

Robotic Assisted Percutaneous Pedicle Screw Fixation for Thoracolumbar Spine Fractures
H. Shear-Yashuv, L. Kaplan, A. Hasharoni, Y. Barzilay, J.E. Schroeder

Low Rates of Post-Operative Complications in Patients Undergoing Percutaneous Stabilization for Thoraco-Lumbar Spine Fractures in Ankylotic Spine Disease
R.E. Buxbaum, A. Shani, H. Mulla, N. Rahamimov

Clinical and Radiological Factors Affecting Progressive Collapse of Acute Osteoporotic Compression Spinal Fractures
S. Goldstein, Y. Smorgick, Y. Mirovsky, Y. Anekstein, R. Blecher, S. Tal

Discussion

"Hok Ha’Hesderim" - N. Rahamimov

OPENING RECEPTION

Thursday, May 26, 2016

07.00 - 08.00
REGISTRATION

Session 3: DEFORMITY
Chairmen: N. Ohana, A. Arzi

08.00 - 08.08
Association Between Hyperflexibility and Spinal Deformities in Adolescents

08.09 - 08.19
The Use of Nitinol Rods for Scoliosis
S. Kolesov

08.20 - 08.28
The Efficacy of Neuromonitoring in Children Under the Age of 10
J.E. Schroeder, A. Hasharoni, A. Korn, K. Goldstein, L. Kaplan

08.29 - 08.37
Surgical Management of Moderate AIS with Fusionless Short Concave Fixation (ApiFix®) and Post-Operative Curve Reduction by Exercises: Report on 16 Operated Cases with 2 Years Follow Up
Y. Floman, G. Burnei, S. Gavriliu, M. Tunyogi-Csapo, T. Potaczek, Y. Mirovsky, Y. Anekstein

08.38 - 08.58
Spine Osteotomy in Treatment of Spinal Deformity
D. Zarzycki

08.58 - 09.03
Discussion

09.03 - 09.11
Magnetic Controlled Growing Rods for the Treatment of Growing Spine Deformities, Long Term Follow Up and Report of Complication Rate
D.E. Lebel, A. Segal, D. Ovadia
09.12 - 09.20
Robotic Assisted Scoliosis Surgery - the Learning Curve Phase
K. Abu-Dalu, Y. Barzilay, A. Hamad, A. Popov, H. Arzi

09.21 - 09.29
Muscle Mechanosensor Dysfunction Results in Adolescent Idiopathic Scoliosis in an Animal Model
R. Blecher, S. Krief, T. Stern, I. Biton, Y. Anekstein, E. Zelzer

09.30 - 09.38
Can MRI Predict Flexibility in Scheuermann’s Kyphosis Patients?

09.39 - 09.47
Can Spino-Pelvic Parameters Predict Hardware Failure in Surgical Correction of Scheuermann’s Kyphosis?
E. Behrbalk, O. Uri, B. Boszczyk, H. Mehdian, M. Grevitt

09.47 - 09.53
Discussion

09.53 - 10.25
COFFEE BREAK

Session 4: TUMORS & MISCELLANEOUS
Chairmen: F. M. Phillips, G. Regev

10.25 - 10.33
Spine Radiosurgery: Lessons Learned From the First 100 Sessions
R. Harel, L. Zach

10.34 - 10.42
Are They Too Old? Decompressive Surgery May Provide Long Duration of Ambulation and Survival in Elderly Patients with Metastatic Epidural Spinal Cord Compression – Experience with 40 Operated Patients
E. Itshayek, C. Candanedo, S. Fraifeld, A. Hasharoni, L. Kaplan, J. Schroeder, J.E. Cohen

10.43 - 10.51
Effective Cough for People with Cord Injury Using Sniff-Controlled FESS

10.52 - 11.00
Effective Dose Reduction in Spine Radiographic Imaging
S. Shabat, Y. Leitner, G. Bartat, A. Ben-Shlomo

11.00 - 11.05
Discussion

11.05 - 11.25
Keynote Lecture: Bridging the Chasm Between Volume and Value Based Care (Chronic pain & Economic)
E.C. Benzel

11.26 - 11.41
Keynote Lecture: What is the place for scientific journals today: the European Spine Journal’s perspective.
R. Gunzburg

11.41 - 11.46
Discussion

SPONSORED LECTURES
11:47 - 12:07
Fix and Treat: Anabolic Treatment for the Fragility Fracture Patient
B. Liberman, Eli Lilly

12:08- 12:28
How to Recognize Sacroiliac Joint Pain in the Chronic Nonspecific Low Back and Leg Pain Population. Six Months Outcome Data of an RCT Comparing Minimally Invasive Sacroiliac Joint Surgery Versus Non-Surgical Treatment
D. Kools, Si-Bone

12:29 - 12:49
Brainlab Symposium
G. Stein, Brainlab
12:50 - 13.50
LUNCH BREAK

Session 5: NEW INSTRUMENTATION & TECHNIQUES
Chairmen: R. Gunzburg, E. Behrbalk

13.50 - 13.58
Safety Assessment of a New Curved Powered Tissue Removal Device
R. Pflugmacher, A. Franzini, S. Horovitz, E. Ashkenazi

13.59 - 14.07
Carbon Fiber Pedicle Screws: Evolution of Spinal Fusion Hardware for Improved Patients Follow-Up
R. Gepstein, I. Engel, E. Behrbalk, Y. Folman

14.08 - 14.16
J. Winestone

14.17 - 14.27
Open and Minimally Invasive Transforaminal Interbody Fusion with Self-Guided Bone Carving Cage CarRLIF/LfC. Personal Experience in Various Surgical Pathologies
A. Maciejczak

14.28 - 14.38
“Lvy-Like” Mimetic Mechanism of Osteointegration Based on 3D-Truss-Ti CarRLIF Implant
L.F. Ciupik

14.39 - 14.45
Discussion

14.46 - 15.01
Keynote Lecture: New Techniques, Always an Advancement?
R. Gunzburg

15.01 - 15.06
Discussion

15.07 - 15.30
COFFEE BREAK

15.30 - 16.30
GUEST LECTURE: The Revolution of Personalized Medicine – Are we Going to Cure all Diseases and at what Price?
A. Ciechanover
Distinguished Research Professor Laureate, the 2004 Nobel Prize in Chemistry

16.30
SUN & FUN

Friday, May 27, 2016

Session 6: DEGENERATIVE SPINE
Chairmen: I. Caspi, Y. Smorgick

08.00 - 08.30
Keynote Lecture: Cervical and Lumbar Spondylosis: Management from a Biomechanics Perspective
E.C. Benzel

08.30 - 08.35
Discussion

08.36 - 08.44
Lower Extremity Motor Function 1-year Following Surgical Management of Lumbar Disc Herniation
A. Rabin, O. Hershkovitz, N. Ackshota, S. Menachem, A. Friedlander

08.45 - 08.55
The Use of Nitinol Rods for Spondylolisthesis and Lumbar Spine Instability (Multicenter Randomized Trial)
S. Kolesov

08.56 - 09.04
Is Scheuermann’s Kyphosis associated with weakness of lumbar paraspinal muscles?
R. Kaiser, E. Behrbalk, P. Waldau, P. Rehousek, B. Perez, H. Mehdian

09.04 - 10.00
Discussion

10.00 - 10.05
COFFEE BREAK

10.05 - 11.00
Workshop: Imaging of Degenerative Spine and Revisions
Chairmen: I. Caspi, Y. Smorgick

11.00 - 12.00
Workshop: New Techniques in Minimally Invasive Surgery
Chairmen: R. Gunzburg, E. Behrbalk

12.00 - 13.00
LUNCH BREAK
09.04 - 09.09
Discussion

09.10 - 09.18
A New High Speed Shielded Curved Device Facilitating Posterior Thoracic Discectomy Through a Hemilaminectomy Hemipediculectomy and Unilateral Facetectomy Approach
M. Millgram, N. Rand, B. Beutler, E. Ashkenazi

09.19 - 09.27
Hybrid Spinal Cord & Peripheral Field Stimulation for the Treatment of Failed Back Syndrome: The Sheba Medical Center Experience
Z. Zibly, R. Spiegelman, R. Goor, N. Knoller

09.28 - 09.36
Is Hydronephrosis a Complication After Anterior Lumbar Interbody Fusion?
R.M. Parks, E. Behrbalk, S. Mosharraf
R.M. Müller, B.M. Boszczyk

09.36 - 09.40
Discussion

09.41 - 10.01
Debate: Spinal Fusion for Lumbar Stenosis
Con: G Sviri
Pro: E.R. Benzel

10.01 - 10.05
Discussion

10.05 - 10.35
COFFEE BREAK

10.35 - 10.55
Keynote Lecture: Lateral Interbody Fusion - Lessons Learned, Advanced Techniques
F.M. Phillips

10.55 - 11.00
Discussion

11.00 - 11.32
Keynote Lecture: From paternalism over informed consent to shared decision making, and back.
R. Gunzburg

11.32 - 11.38
Discussion

11.38 - 12.10
PROFESSIONAL MEETING

ENJOYABLE WEEKEND AND SEE U ALL NEXT YEAR.