

Under the High Patronage of His Excellency
The President of the Lebanese Republic

General Michel AOUN

KEYNOTE SPEAKERS



Dr. Stefano Boriani



Dr. Harry Shufflebarger



Dr. Larry Lenke



Dr. Kristan Anze



Dr. Paul Tornetta



Dr. Javad Parvizi



Dr. Mark Hutchinson



Dr. Paul Fortin



The International Musculoskeletal Society (I.M.S.)
2019 Annual Meeting

Unique One-on-One Hands-On Cadaveric Bioskills Workshop
July 1st - 3rd

We Learn from our own complications. This year's entire meeting
will be dedicated to **Complications: avoidance and management in Orthopedic,
Spine and Pain Management**
July 1st - 3rd

July 1st - 3rd

Phoenicia Hotel, Beirut Lebanon



www.imssociety.org



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

SCIENTIFIC PROGRAM

International Musculoskeletal Society (I.M.S.)

The International Musculoskeletal Society (IMS), formerly the Society for Progress & Innovation for the Near East (S.P.I.N.E.) is a 501(3)c U.S. registered, non-profit organization committed to the advancement of Orthopedic and Spinal care throughout the world. This year's meeting will gather "who's who" in the following tracks to discuss the most current concepts, controversies, and emerging technologies in:

- **Orthopedic Surgery** - Sport medicine, Upper Extremity, Joint replacement, Trauma, Foot & Ankle, etc.
- **Spine Surgery** - Open and minimally invasive surgery, cervical lumbar and thoracic, all pathologies, etc.

If you are interested in learning more about the **Annual Conference**, please visit our website at www.imssociety.org

Welcome to the 2019 Annual I.M.S. Meeting

On behalf of the entire faculty and the I.M.S. Society we invite you to participate in the 2019 Annual meeting which will be held in the historic city of Beirut Lebanon, July 1-3, 2019. Beirut was selected as the #1 destination city in the world to visit by the New York Times in January 2009.

Under the instructions of globally renowned faculty, the stellar educational program utilizes lectures and hands-on workstations to present their most current concepts and techniques in the management of vast array of spinal disorders: degenerative and traumatic controversies, adult and pediatric spinal deformities (spine division), sport related injuries, early arthritis and minimally invasive options(orthopedic division).

Due to the unique international platform, provocative topics, and in-depth debates, leading regional and international neurosurgeons and orthopedic surgeons, once again come together in the historical city of Beirut and the jewel of tourism in the Middle East to present their clinical and scientific research and demonstrate their own innovations and cutting edge techniques.

This will be a unique opportunity and truly unforgettable course for all participants. You will have the chance to meet and interact with who's who in orthopedic and spine surgery and visit one of the world's historical sites and enjoy the city of Beirut along with your families and friends, making the meeting an even more unforgettable experience.

We hope you join us in Beirut for this outstanding international symposium.

Sincerely,

Organizing Committee



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

SCIENTIFIC PROGRAM

Course Director: Tony Tannoury, MD

Target audience:

General orthopedic surgeons, joint and sport injury surgeons and spine surgeons (orthopedic and neurosurgeons)

Needs Addressed:

The three-day program will discuss basic and fundamental concepts in the treatment of most aspects of orthopedic and spine surgery, current controversies, and updates on emerging technologies.

Educational Objectives

At the conclusion of this program, participants will be able to:

- Discuss diagnostic assessments of patients with musculoskeletal pathologies including the physical exam, imaging, and psychological assessment
- Describe current evidence-based treatments of traumatic as well as non-traumatic painful conditions affecting young athletes, patients with spinal disorders from a non-operative to an operative perspective
- Identify management of spinal and long bone traumatic conditions as well as tumors ranging from nonoperative to operative treatments focusing on most novel treatment options
- Explain the biomechanics and fundamentals of motion sparing devices and the most recent clinical updates
- Outline emerging minimally invasive surgical interventions and the future of sport-related injuries, painful joints, and spine care.



ORTHOPEDIC PROGRAM - ROOM A

Monday, July 01st 2019

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM	09:20 AM	Hasan Baydoun Georges El Rassi	Complications in Shoulder Surgery
08:00 AM	08:10 AM	Arthroscopic vs Miniopen Repair, What is the Gold Standard	Georges El Rassi
08:10 AM	08:20 AM	Pearls and Pitfalls in Arthroscopic RCR	Hasan Baydoun
08:20 AM	08:40 AM	Diagnosing Common Disorders of the Scapula, How to Get it Right?	Bassem El Hassan
08:40 AM	08:50 AM	Complications of Anatomic & Reverse Shoulder Arthroplasty and How to Avoid Them	Samer Hasan
08:50 AM	09:00 AM	Treatment of Shoulder Prosthetic Joint Infections	Samer Hasan
09:00 AM	09:10 AM	Case Discussion I	Panel: All Faculty
09:10 AM	09:20 AM	Q & A - Audience Response	
09:20 AM	10:30 AM	Scientific and Clinical Research Forum	
09:20 AM	09:29 AM	Radio-Frequency Ablation (RFA) After TKA and Non-Surgical Candidates	Sam Shaia
09:29 AM	09:38 AM	Minimize the Complications by MIPO Technique for Complex & Multiple Fractures	Rafid A. Al Adhab
09:38 AM	09:47 AM	Surgical Treatment of Comminuted Intraarticular Distal Radius Fracture with External Fixation. Functional Outcome and Short Term Follow up	Mohammed Alsaifi Khalid Swaillem Anwar Mughalis Mohammed Sadhan
09:47 AM	09:56 AM	Treatment of Sprengel's scapula by scapular osteotomy (Wilkinson) Operation	Mohammed Ali Al Bayati Naji Kareem Hassan Mustafa F. Alhgam
09:56 AM	10:036 AM	Hoffa Pad Role in Total Knee Replacement. Prospective Randomized Control Trial	A. Ghanem E. J. Feghali A. Daccache J. El Haddad Bassel El Osta
10:03 AM	10:12 AM	Cough-Induced Rib Fracture: A Case Report	A. Daccache J. El Haddad A. Ghanem E. J. Feghali Bassel El Osta
10:12 AM	10:21 AM	Conservative Management and Drug Treatment of Peripheral Neuropathies in Female Amateur Athletes	Nikolaos Syrmos
10:21 AM	10:30 AM	Q & A - Audience Response	
10:30 AM	11:00 AM	Coffee Break	
11:00 AM	12:30 PM	Amer Abdallah	Principles in TKA
11:00 AM	11:10 AM	Biologics, Prevention and Treatment of Early Knee OA	Muneaki Ishijima
11:10 AM	11:20 AM	TKA Alignment: How to Plan and Execute	Doumit Semaan
11:20 AM	11:30 AM	Knee Implant Constrains: Designs and Indications	Sofiene Kallel
11:30 AM	11:40 AM	TKA: Avoiding Pitfalls in stiff Knees	Khaled Abdel-kader
11:40 AM	11:50 AM	Key Steps in TK Arthroplasty	Amer Abdallah
11:50 AM	12:00 PM	Innovations in TKA: What is the Future	Ali Ghaz
12:00 PM	12:20 PM	Case Presentation	Ali Ghaz
12:20 PM	12:30 PM	Q & A - Audience Response	



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

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ORTHOPEDIC PROGRAM - ROOM A

Monday, July 01st 2019

Time	Session Chairs	Session Title	Speaker
12:30 PM - 01:30 PM		Lunch Break	
01:30 PM - 02:45 PM	Javad Parvizi	Forum on Total Joint Reconstruction	
01:30 PM - 01:55 PM		Updates on Infections	Javad Parvizi
01:55 PM - 02:45 PM	Javad Parvizi	Rapid Interactive Q & A	Javad Parvizi & Audience
02:45 PM - 04:00 PM	Javad Parvizi	Complications in Total Knee Surgery	
02:45 PM - 02:55 PM		Flexion and Extension Limitation in Total Knee Arthroplasty	Raja Chافتari
02:55 PM - 03:05 PM		Management of Bone Loss in Revision TKA	Gaby Haykal
03:05 PM - 03:15 PM		Extensor Mechanism Failure: Prevention & Treatment	Ali Ghaz
03:15 PM - 03:25 PM		TKA as Primary Treatment in Distal Femoral Fractures	Gaby Haykal
03:25 PM - 03:35 PM		Q & A - Audience Response	
03:35 PM - 04:00 PM		Case Discussion	Ali Ghaz
04:00 PM - 04:30 PM		Coffee Break	
04:30 PM - 06:00 PM		Combined Program	ROOM B
04:30 PM - 06:00 PM	Hassan Serhan Tony Tannoury	NASS Sponsored Session Emergent Technologies In Musculoskeletal Surgery	
04:30 PM - 04:35 PM		Presidential Address	NASS
04:35 PM - 04:45 PM		Spinal Phenomics	Dino Samartzis
04:45 PM - 04:55 PM		Advancements in Regenerative Medicine for Degenerative Disc Disease	Kevin Foley
04:55 PM - 05:05 PM		Advancement (Top 5) in Treatment of Musculoskeletal Tumors	Stefano Boriani
05:05 PM - 05:15 PM		Predictive Analytics in Patient Management and Preoperative Planning	Stefan Parent
05:15 PM - 05:25 PM		Frailty & Preoperative Optimization in Musculoskeletal Surgery	Jad Khalil
05:25 PM - 05:55 PM		Can Artificial Intelligence Advance Medicine?	Saad Al Barrak
05:55 PM - 06:00 PM		Q & A - Audience Response	
06:00 PM - 07:00 PM		Opening Ceremony	
07:00 PM - 08:30 PM		Social Hour & Networking	



ORTHOPEDIC PROGRAM - ROOM A

Tuesday, July 02nd 2019

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM	10:30 AM	George El Rassi Hasan Baydoun	Shoulder Reconstruction I: Instability and Trauma
08:00 AM	08:10 AM	Evaluation of First-Time Anterior Shoulder Dislocator: Pearls & Pitfalls	Hasan Baydoun
08:10 AM	08:20 AM	Arthroscopic Treatment of Anterior Shoulder Instability	Nazem Ali
08:20 AM	08:30 AM	Evaluating Bone Loss in Anterior Shoulder Instability: From Inverted Pear to Glenoid Track	Samer Hasan
08:30 AM	08:40 AM	Diagnosing and Treating SLAP Lesions	Mark Hutchinson
08:40 AM	08:55 AM	Hasan Baydoun	Case Discussion: Anterior Instability George El Rassi Hasan Baydoun Mark Hutchinson
08:55 AM	09:05 AM	Q & A - Audience Response	
09:05 AM	09:10 AM	Case I: Young Patient with Posterior Shoulder Instability	Samer Hasan
09:10 AM	09:30 AM	Discussion: Shoulder Instability Panel	Mark Hutchinson Bassem Elhassan Samer Hasan
09:30 AM	09:35 AM	Case II: Proximal Humerus Fracture	Sami Roukoz
09:35 AM	09:50 AM	Discussion: Proximal Humerus Fracture	Panel: All Faculties
09:50 AM	10:00 PM	Complications of ORIF of Proximal Humerus Fractures	Sami Roukoz
10:00 PM	10:10 AM	Complications of Reverse Shoulder Arthroplasty	Bassem El Hassan
10:10 AM	10:20 AM	2019 Update on Treatment of Partial Thickness Cuff Tears	Hasan Baydoun
10:20 AM	10:30 AM	Q & A - Audience Response	
10:30 AM	11:00 AM	Coffee Break	
11:00 AM	12:30 PM	Ramzi Moucharafieh Raja Chaftari	Lebanese Orthopedic Society: Updates on Rotator Cuff Disease and Arthroplasty
11:00 AM	11:10 AM	Evaluation of Massive Irreparable Cuff Tear in Young Patient	Ramzi Moucharafieh
11:10 AM	11:20 PM	Recenter the Humeral Head: SCR or Balloon Spacer	Samer Hasan
11:20 PM	11:30 PM	Tendon Transfers: 2019 Updates	Bassem El Hassan
11:30 PM	11:40 AM	Treatment of Partial Thickness Rotator Cuff Tears: 2019 Update	Samer Hasan
11:40 AM	11:50 AM	Q & A - Audience Response	
11:50 AM	12:00 PM	Evaluation of Young Patient with Glenohumeral OA	Raja Chaftari
12:00 PM	12:10 PM	Point: Arthroscopic Treatment	Ramzi Moucharafieh
12:10 PM	12:20 PM	Counterpoint: Prosthetic Arthroplasty	Samer Hasan
12:20 PM	12:30 PM	Q & A - Audience Response	
12:30 PM	01:30 PM	Lunch Break	



ORTHOPEDIC PROGRAM - ROOM A

Tuesday, July 02nd 2019

Time	Session Chairs	Session Title	Speaker
01:30 PM 04:00 PM	Saad AlQahthani Anze Kristan	AO Trauma Lower Extremities	
01:30 PM 01:45 PM		How to Reduce Complication in Hip Fractures Surgery	Anze Kristan
01:45 PM 02:00 PM		Distal Femur Fractures: Plating Vs Rod Fixation	Paul Tornetta
02:00 PM 02:15 PM		Non Union in Subtrochanteric Fractures	Said Saghieh
02:15 PM 02:30 AM		2019 Updates on Ankle Syndesmotoc Injuries	Paul Tornetta
02:30 AM 02:45 AM	Saad Al Qahthani	Case Discussion & Chairman Final Remarks	All Faculty
02:45 PM 02:55 PM		Q & A - Audience Response	
02:55 PM 03:10 PM		Pelvis & Acetabulum Injuries	Cory Collinge
03:10 PM 03:25 PM		How Can we Reduce Complications in Tibial Plateau Fractures	Cory Collinge
03:25 AM 03:35 AM		Proximal Tibia Fractures	Fadi Nassereddine
03:35 PM 03:50 PM	Anze Kristan	Case Discussion & Chairman Final Remarks	All Faculty
03:50 PM 04:00 PM		Q & A - Audience Response	
04:00 PM 04:20 PM		Coffee Break	
04:20 PM 05:40 PM	Said Saghieh Waleed Abdulwahid	AO Session: Foot and Ankle	
04:20 PM 04:35 PM		Soft Tissue Coverage in Mangled Extremities	Sami Roukoz
04:35 PM 04:50 PM		Tibial Deformity and Ankle Arthritis Is There a Role for Axis Realignment?	Paul Fortin
04:50 PM 05:05 PM		Calcaneus Surgeries: Principles and How to Avoid Complications	Anze Kristan
05:05 PM 05:15 PM		Septic Arthritis in Sickle Cell Patients	Kamil Albouri
05:15 PM 05:25 PM		Adult Manifestation of Pediatric Conditions	Paul Fortin
05:25 PM 05:40 PM	Said Saghieh	Case Discussion	All Faculty
05:40 PM 05:45 PM		Q & A - Audience Response	



ORTHOPEDIC PROGRAM - ROOM A

Wednesday, July 03rd 2019

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM	08:00 AM	Mark Hutchinson Ali Ghoz	Sports - Knee
08:00 AM	08:10 AM	Time to be Honest: Lessons Learned in 25 yrs in ACL Reconstruction	Mark Hutchinson
08:10 AM	08:20 AM	Ideal ACL Tunnels position in 2019	Muneaki Ishijima
08:20 AM	08:30 AM	Multiligamentous Injuries: Treatment Strategies	Muneaki Ishijima
08:30 AM	08:45 AM	Case Discussion	
08:45 AM	09:00 AM	Q & A - Audience Response	
09:00 AM	09:10 AM	Avoiding Complications in Posterolateral Corner Reconstruction	Muneaki Ishijima
09:10 AM	09:20 AM	Graft Options in Knee Ligamentous Reconstructions	Mark Hutchinson
09:20 AM	09:30 AM	Cartilage Defects: Evaluation and Treatment Options	Muneaki Ishijima
09:30 AM	09:40 AM	Chronic Meniscal Injuries: Debride vs. Repair, Where is the Evidence?	Mark Hutchinson
09:40 AM	09:50 AM	Partial Knee Arthroplasty in the Young Adult: Indications and Expectations	Ali Ghoz
09:50 AM	10:10 AM	Case Discussion	Mark Hutchinson
10:10 AM	10:20 AM	Q & A - Audience Response	
10:30 AM	11:00 AM	Coffee Break	
11:00 AM	12:00 PM	Complications of Hip Surgeries	
11:00 AM	11:10 AM	Treatment Option for Hip Fractures in the Elderly	Raja Chaftari
11:10 AM	11:20 AM	Conversion of ORIF Hip into Total Hip Replacement: Red Flags and Technical Pearls	Hamad AlShahrani
11:20 AM	11:30 AM	Posterior Prosthetic Hip Dislocations: Evaluation and Treatment	Doumit Semaan
11:30 AM	11:40 AM	Hip Revision with Significant Acetabular Bone Loss	Alexandre Nehme
11:40 AM	11:50 AM	Hip Revision with Significant Femoral Bone Loss	Khaled Abdel-kader
11:50 AM	12:00 PM	Q & A - Audience Response	
12:30 PM	01:30 PM	Lunch Break	
01:30 PM	03:00 PM	Jehad Haj Ibrahim	Syrian Orthopedic Society: Teaching War injuries
01:30 PM	01:40 PM	Message of the President of Syrian Orthopedic Society	Jehad Haj Ibrahim
01:40 PM	01:50 PM	The Role of Inguinal/Groin Flap in Hand Emergencies	Amjad Abdulhei
01:50 PM	02:00 PM	A Syrian Experience in Open Fractures, Papineau Open graft	Ghassan Kaadan
02:00 PM	02:10 PM	Management of Infected Non Union with Bone Loss in the Lower Limb Secondary to War Injuries	Yahia Mashhadani
02:10 PM	02:20 PM	Q & A - Audience Response	
02:20 AM	02:30 AM	Syrian Experience with Illizarov Frame for War injuries	Mohammad Al Mustafa
02:30 AM	02:40 AM	Unstable Distal Radius Fractures, the Role of Percutaneous Pinning	Jihad Sakkal
02:40 AM	02:50 AM	Advanced Case Management in Bone and Soft tissue Tumors	Ali Ibrahim Mahmoud
02:50 AM	03:00 AM	Q & A - Audience Response	



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

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ORTHOPEDIC PROGRAM - ROOM A

Wednesday, July 03rd 2019

Time	Session Chairs	Session Title	Speaker
03:00 PM 04:30 PM	Muneaki Ishijima Raja Chافتari	The Patellofemoral Joint	
03:00 PM 03:15 PM		Patello-Femoral Instability and Maltracking: Evaluation	Mark Hutchinson
03:15 PM 03:30 PM		Patella Re-Alignment: Soft Tissue vs Bony Surgical Options	Muneaki Ishijima
03:30 PM 03:50 PM		Arthroplasty Options	Ali Ghaz
03:50 PM 04:05 PM		Case Discussion	Muneaki Ishijima
04:05 PM 04:20 PM		Case Discussion	Mark Hutchinson
04:20 PM 04:30 PM		Q & A - Audience Response	



SPINE PROGRAM - ROOM B

Monday, July 01st 2019

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM	09:10 AM	Tony Tannoury Abdulrazzaq Al Obeid	Fundamentals and Principles in Spine
08:00 AM	08:10 AM	Back Pain Generators	Christine El Yahchoushi
08:10 AM	08:20 AM	Disc Disorders: Implication in Back Pain Genesis	Dino Samartzis
08:20 AM	08:30 AM	Aging Spine Management: Technical Tips & Tricks, Complications Avoidance	Ahmad Nassr
08:30 AM	08:40 AM	Biomechanics of Spinal Fractures: Throw the Classifications Away!	Tony Tannoury
08:40 AM	08:50 AM	Thoracolumbar Adjacent Segment Disease: Biomechanical, Iatrogenic or the Natural History	Richard Assaker
08:50 AM	09:00 AM	Chronic Pain - Spinal Cord Stimulator and Neuromodulation	Sam Shaia
09:00 AM	09:10 AM	Q & A - Audience Response	
09:10 AM	10:30 AM	Ahmad Nassr Ghassan Skaf	1-3 Level Disease - Degenerative Cervical Spine
09:10 AM	09:20 AM	Is Motion Preservation Here to Stay?	Hassan Serhan
09:20 AM	09:30 AM	One or Two Level disease: How I choose TDR Vs Fusion	Salah Bishawi
09:30 AM	09:40 AM	Ideal Cases for Foraminotomy & Literature Review	Ghassan Skaf
09:40 AM	09:50 AM	Complications of ACDFs and How to Address Them	Ahmad Nassr
09:50 AM	10:00 AM	Khalid Faraj	Case Discussion
10:00 AM	10:20 AM	Omar Al Nori	Case Discussion
10:20 AM	10:30 AM	Q&A - Audience Response	
10:30 AM	11:00 AM	Coffee Break	
11:00 AM	12:30 PM	Ghassan Skaf Chadi Tannoury	Multilevel (4 or more) Cervical Disc Disease with Myeloradiculopathy
11:00 AM	11:10 AM	Evaluation and Management of Kyphotic Cervical Spine	Tony Tannoury
11:10 AM	11:20 AM	Anterior Fusion: Techniques, and How to Reduce Complications	Salah Bishawi
11:20 AM	11:30 AM	Posterior Laminectomy Fusion: Techniques, and How to Reduce Complications	Ibrahim Omeis
11:30 AM	11:40 AM	Laminoplasty: Techniques, and How to Reduce Complications	Ahmad Nassr
11:40 AM	11:50 AM	OPLL: Anterior vs. Posterior - When and How	Richard Assaker
11:50 AM	12:05 PM	Chadi Tannoury	Complications Case Discussion I
12:05 PM	12:20 PM	Ghassan Skaf	Complications Case Discussion II
12:20 PM	12:30 PM	Q&A - Audience Response	
12:30 PM	01:30 PM	Lunch Break	



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

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SPINE PROGRAM - ROOM B

Monday, July 01st 2019

Time	Session Chairs	Session Title	Speaker
01:30 AM 03:00 PM	Lawrence G. Lenke Ismat Ghanem	Complications in The treatment of Adolescent Idiopathic Scoliosis	
01:30 PM 01:50 PM		Lenke Classification: Why Did we Need this New Classification, Case Studies	Lawrence G. Lenke
01:50 PM 02:00 PM		Determination of Fusion Levels in Lenke 1-4AIS and Errors	Harry Shufflebarger
02:00 PM 02:10 PM		Errors in Correcting Lenke V & VI: Levels, Derotation, Sagittal Balance	Khalil Kharrat
02:10 PM 02:20 PM		The Management of Pelvic Obliquity in Neuromuscular Scoliosis	Ismat Ghanem
02:20 PM 02:30 PM		Apical Fusion with and Without Lengthening	Harry Shufflebarger
02:30 PM 02:50 PM		Role of Osteotomies in Challenging Cases	Lawrence G. Lenke
02:50 PM 03:00 PM		Q & A - Audience Response	
03:00 PM 04:10 PM	Harry Shufflebarger	Complications in Thoraco-lumbar Adult Deformity	
03:00 PM 03:10 PM		Clinical and Radiographic Evaluation of Adult Deformity: What are the Landmines?	Lawrence G. Lenke
03:10 PM 03:20 PM		Sagittal Balance Correction: MIS Techniques	Tony Tannoury
03:20 PM 03:30 PM		Sagittal Balance Correction: Open Techniques	Lawrence G. Lenke
03:30 PM 03:50 PM		Late Deep Wound Infection in Scoliosis Surgery	Harry Shufflebarger
03:50 PM 04:00 PM		When Can we Consider a Small Surgery and not Treatment of the Full Deformity	Youssry Elhawary
04:00 PM 04:10 PM		Q&A - Audience Response	
04:10 PM 04:30 PM		Coffee Break	
04:30 PM 06:00 PM		Combined Program	ROOM B
04:30 PM 06:00 PM	Hassan Serhan Tony Tannoury	NASS Sponsored Session Emergent Technologies In Musculoskeletal Surgery	
04:30 PM 04:35 PM		Presidential Address	NASS
04:35 PM 04:45 PM		Spinal Phenomics	Dino Samartzis
04:45 PM 04:55 PM		Advancements in Regenerative Medicine for Degenerative Disc Disease	Kevin Foley
04:55 PM 05:05 PM		Advancement (Top 5) in Treatment of Musculoskeletal Tumors	Stefano Boriani
05:05 PM 05:15 PM		Predictive Analytics in Patient Management and Preoperative Planning	Stefan Parent
05:15 PM 05:25 PM		Vertebrogenic Back Pain / BVN Ablation	Jad Khalil
05:25 PM 05:55 PM		Can Artificial Intelligence Advance Medicine	Saad Al Barrak
05:55 PM 06:00 PM		Q & A - Audience Response	
06:00 PM 07:00 PM		Opening Ceremony	
07:00 PM 08:30 PM		Social Hour & Networking	



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

SCIENTIFIC PROGRAM

SPINE PROGRAM - ROOM B

Tuesday, July 02nd 2019

Time	Session Chairs	Session Title	Speaker	
07:30 AM		Registration		
08:00 AM	09:00 AM	Thamer Hamdan Abdul Karim Msaddi	Arab Spine Society Update	
08:00 AM	08:10 AM	Spine TB: Is it a thing of the past?	Mubder Saeed	
08:10 AM	08:20 AM	War Zone Trauma and Challenges	Maen Al Zaim	
08:20 AM	08:30 AM	The Golden Hour in Spinal Trauma	Rizwan Akram	
08:30 AM	08:40 AM	Post-operative Spinal Infections: Diagnosis and management	Thamer Hamdan	
08:40 AM	08:50 AM	Non Discogenic Sciatica Syndrome	Thamer Hamdan	
08:50 AM	09:00 AM	Q & A - Audience Response		
09:00 AM	10:30 AM	Mohamed Khattab Hani Mhaidli	Advancements in the Treatment of Bone Tumors of the Spine	
09:00 AM	09:10 AM	Diagnosis and Staging of Bone Tumors of the Spine	Stefano Boriani	
09:10 AM	09:20 AM	Role of Cementoplasty	Mohamed Fawzy Khattab	
09:20 AM	09:30 AM	Aneurysmal Bone Cysts: Evaluation and Treatment Updates	Stefano Boriani	
09:30 AM	09:40 AM	When the Radiation/Cyberknife Are The Best Option	Akram Mahmoud	
09:40 AM	09:50 AM	En-bloc Resection of Bone Tumors in the Lumbar Spine	Stefano Boriani	
09:50 AM	10:00 AM	Decision Making in Treatment of Sacral Chordoma	Stefano Boriani	
10:00 AM	10:10 AM	Tony Tannoury	Case Discussion I	All Faculty
10:10 AM	10:20 AM	Hani Mhaidli	Case Discussion II	All Faculty
10:20 AM	10:30 AM	Q&A - Audience Response		
10:30 AM	11:00 AM	Coffee Break		
11:00 AM	12:00 PM	Rizwan Akram Hani Mhaidli	Infection in Spine Surgery	
11:00 AM	11:10 AM	Evaluation and Workup of Suspected Postoperative Infection	Youssry Elhawary	
11:10 AM	11:20 AM	Pakistan Experience in TB of the Spine	Rizwan Akram	
11:20 AM	11:30 AM	5 Best Surgical Practices that Reduce Post Operative Infection	Tony Tannoury	
11:30 AM	11:50 AM	Hani Mhaidli	Case Discussion: Deep Infection with Presence of Deep Implant	All Faculty
11:50 AM	12:00 PM	Q&A - Audience Response		
12:00 PM	12:30 PM	Akram Mahmoud Jad Khalil	My Worst Case Session	
12:00 PM	12:10 PM	My Own Complication Case: When and How Things Went Bad - Lessons Learned	Jad Khalil	
12:10 PM	12:20 PM	My Own Complication Case: When and How Things Went Bad - Lessons Learned	Salim Ahmed	
12:20 PM	12:30 PM	My Own Complication Case: When and How Things Went Bad - Lessons Learned	Thamer Hamdan	
12:30 PM	01:30 PM	Lunch Break		



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

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SPIME PROGRAM - ROOM A

Tuesday, July 02nd 2019

Time	Session Chairs	Session Title	Speaker
01:30 AM 03:00 PM	Akram Mahmoud Daniel Shedid	Complication Avoidance: Lumbar Spondylolisthesis	
01:30 PM 01:40 PM		The Role of Limited Decompression without Fusion	Mubarak Awouda
01:40 PM 01:50 PM		To Reduce or Not to Reduce?	Abdulrazzaq Al Obeid
01:50 PM 02:00 PM		OpenTechnique: Step by Step + Reduction	Michael Hasz
02:00 PM 02:10 PM		Posterior MIS Techniques: Step by Step + Reduction	Daniel Shedid
02:10 PM 02:20 PM		Lateral/Anterolateral MIS Techniques: Step by Step + Reduction	Chadi Tannoury
02:20 PM 02:30 PM		Case Discussion I	Daniel Shedid
02:30 PM 02:40 PM		Case Discussion II	Michael Hasz
02:40 PM 02:50 PM		Case Discussion III	Abolfazl Rahimizadeh
02:50 PM 03:00 PM		Q & A - Audience Response	
03:00 PM 03:50 PM	Abdulrazzaq Al Obeid Daniel Shedid	Complications of One-Two Level Lumbar Discectomies	
03:00 PM 03:10 PM		How to Reduce and Treat Recurrent Disc Herniation	George Nohra
03:10 PM 03:20 PM		How to Reduce and Treat Intraoperative Neurological Injuries	Abdulrazzaq Al Obeid
03:20 PM 03:30 PM		How to Manage Intraoperative and Post-Operative Dural Leaks	Touraj Yazdi
03:30 PM 03:40 PM		Case Discussion	Abdulrazzaq Al Obeid
03:40 PM 03:50 PM		Q & A - Audience Response	
03:50 PM 04:20 PM		Coffee Break	
04:20 PM 05:30 PM	Ismat Ghanem Khalil Kharrat	Complications in Growing Spine Treatment	
04:20 PM 04:30 PM		Growing Spine Management Options	Ismat Ghanem
04:30 PM 04:40 PM		Incidence and Management of Unplanned Procedures in Growth Preserving Surgeries	Alaa Azmi
04:40 PM 04:50 PM		Complications Associated with Manual vs. Magnet Growing Rods	Stefan Parent
04:50 PM 05:00 PM		Alternative Fixation Techniques When Pedicle Screws Are not an Option	Youssry Elhawary
05:00 PM 05:10 PM		Vertebral Body Tethering (AVBT) in the Treatment of Idiopathic Scoliosis	Stefan Parent
05:10 PM 05:20 PM		Case Presentation	Khalil Kharrat
05:20 PM 05:30 PM		Q & A - Audience Response	



SPINE PROGRAM - ROOM B

Wednesday, July 03rd 2019

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM	09:00 AM	Hani Mheidli Joseph El Khalil	Adjacent Segment Failures
08:00 AM	08:10 AM	Definition and Risk Factors (Sagittal Alignment, Subsidence, Fusion type)	Omar Al Nori
08:10 AM	08:20 AM	Adjacent Segment Disease after MIS Fusions	Muhammad Abd-El-Barr
08:20 AM	08:30 AM	Building Lumbar Lordosis: Where and How?	Hani Mheidli
08:30 AM	08:40 AM	Case Discussion	Tony Tannoury
08:40 AM	08:50 AM	Case Discussion	Muhammad Abd-El-Barr
08:50 AM	09:00 AM	Q & A - Audience Response	
09:00 AM	10:30 AM	Khalil Kharrat Firas Atallah	AO Spine Middle East Session Complications in Cervical Traumatic Spinal Conditions
09:00 AM	09:10 AM	Evaluating Classifications, Do They Matter?	Ghassan Skaf
09:10 AM	09:20 AM	Techniques in Reduction of Facet Dislocations	Omar Al Nori
09:20 AM	09:30 AM	Upper Cervical Fixation Techniques: Occ to C3: When, How and Pitfalls	Mohammad El Sharkawi
09:30 AM	09:40 AM	C5 Nerve Root Palsy	Charbel Moussalem
09:40 AM	09:50 AM	Trauma of the Ankylosed Cervical Spine	Tony Tannoury
09:50 AM	10:00 AM	CT & MRI Indication and the Impact on Decision Making in Cervical Trauma	Khalid Hadhri
10:00 AM	10:20 AM	Firas Atallah	Case Discussion
10:20 AM	10:30 AM	Q & A - Audience Response	All Faculty
10:30 AM	11:00 AM	Coffee Break	
11:00 AM	12:30 PM	Ibrahim Omeis Firas Atallah	AO Spine Middle East Session Complications in T/L Traumatic Spinal Conditions
11:00 AM	11:10 AM	Evaluating Classifications, Do They Matter?	Tony Tannoury
11:10 AM	11:20 AM	Update on Kyphoplasty for Insufficiency Spine Fractures	Abdulrazzaq Al Obeid
11:20 AM	11:30 AM	3 Most Common Scenarios for Neurological Deterioration Before, During and After Spinal Surgery	Ibrahim Omeis
11:30 AM	11:40 AM	Thoracolumbar Burst Fracture: Pros and Cons of Open vs. Percutaneous Fixation	Amer Sebaaly
11:40 AM	11:50 AM	Decision Making in The Treatment of Osteoporotic Fractures	Abolfazl Rahimizadeh
11:50 AM	12:05 PM	High Energy Burst Fractures: Short vs Long Segment	Saeid Safaei
12:05 PM	12:20 PM	5 Most Common Mistakes in Surgical Treatment of Thoracolumbar Fractures	Touraj Yazdi
12:20 PM	12:30 PM	Q & A - Audience Response	
12:30 PM	01:30 PM	Lunch Break	



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

SCIENTIFIC PROGRAM

SPINE PROGRAM - ROOM B

Wednesday, July 03rd 2019

Time	Session Chairs	Session Title	Speaker
01:30 PM - 04:00 PM	Dino Samartzis Chadi Tannoury	Scientific and Clinical Research Forum	
01:30 PM - 01:38 PM		Simple Technique for Odontoid Screw Fixation	Mohamed Fawzy Khattab
01:38 PM - 01:46 PM		Posterior Vertebral Column Resection for Different Spinal Pathologies Report of 104 patients	Abolfazl Rahimizadeh
01:46 PM - 01:54 PM		OPLL Surgical Techniques Using Less Invasive Surgical Technique	Ibrahim Omeis
01:54 PM - 02:02 PM		Lumbar Lordosis via ATP Technique for Long Segment Fusions	Chadi Tannoury
02:02 PM - 02:10 PM		Percutaneous Transforaminal Lumbar Interbody Fusion with an Expandable Cage Through Kambin's Triangle: Initial Results and Feasibility	Muhammad M. Abd-El-Barr
02:10 PM - 02:18 PM		Complications of ATP Approach in 1000+ Patients	Tony Tannoury
02:18 PM - 02:28 PM		Q & A - Audience Response	
02:28 PM - 02:36 PM		Clinical Efficacy, Accuracy, and Radiation Reduction Using Instrument Tracking and Ultra-low Radiation Imaging in Minimally Invasive Spine Surgery	Muhammad M. Abd-El-Barr
02:36 PM - 02:44 PM		What is the Value Proposition of Navigation/Robotic MIS TLIF	Jad Khalil
02:44 PM - 02:52 PM		Spinal Sagittal Alignment Among Iranian Patients with Degenerative Lumbar Canal Stenosis	Sina Abdollahzade Morteza Faghih-Jouybari Masoud Khadivi Mehdi Khaleghi
02:52 PM - 03:00 PM		Local Versus Iliac Bone Graft PSF Augmented TLIF in Low Grade Isthmic and Degenerative Lumbar Spondylolisthesis	Ali Madawi
03:08 PM - 03:16 PM		Scheurmann Kyphosis; Posterior Only Approach with or without Ponte Osteotomy, According to PI (pelvic Incidence) as a reference, A New Concept	Saeid Safaee
03:16 PM - 03:24 PM		Differential Diagnosis of Spinal Cord Cysts on MRI	Touraj Yazdi
03:24 PM - 03:32 PM		Which type of C1-C2 instrumentation may prevent failure in Os Odontoideum	Abolfazl Rahimizadeh
03:32 PM - 03:40 PM		The Use of Facet Screws in Addition to Pedicle Screw Rod Construct Increases Fusion Rate in Degenerative Lumbar Spine	Charbel Moussallem Christine El-Yachouchi Kinan Fraiha Johnny Abboud Ahmad Ghabcha Jad Kousseifi Amir Khanafer Marc Mchantaf
03:40 PM - 04:00 PM		Q & A - Audience Response	
04:00 AM - 04:30 AM		Coffee Break	



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

SCIENTIFIC PROGRAM

SPINE PROGRAM - ROOM B

Wednesday, July 03rd 2019

Time	Session Chairs	Session Title	Speaker
04:30 PM 06:00 PM	Dino Samartzis Chadi Tannoury	Scientific and Clinical Research Forum	
04:30 PM 04:38 PM		Correlation of Imaging and Pain for Z-Joint and SI Joint	Christine El Yahchouchi
04:38 PM 04:46 PM		Positional & Face Injuries After Spine Surgery	Saeid Safaee
04:46 PM 04:54 PM		The Roll of Surgery in Unilateral Foot Drop Without Any Significant Imaging Findings	Ashkan Khajoo
04:54 PM 05:02 PM		Revision in Spinal Surgery	Salim Ahmed Mohamed Awad Elzain Ahmed Moaz Ibrahim Abdallah Mohamed
05:02 PM 05:10 AM		Minimally Invasive Treatment of Degenerative Spine Disease	Tarek Sunna
05:10 PM 05:18 PM		A Nightmare Called Lumbar Postdiscectomy Spondylodiscitis, My Experience in 32 Cases	Abolfazl Rahimizadeh
05:18 PM 05:26 PM		Anterior Cervical Approaches for Cervical Spondylolytic Myelopathy	Salim Ahmed
05:26 PM 05:34 PM		Regional Anesthesia is the Preferred Mode of Anesthesia for Elective or Emergency Cs.	Nesrine Rifai
05:34 PM 05:42 PM		The Roll of TLIF Fusion Insteade of PSO in Sagittal Balance Reconstruction	Ashkan Khajoo
05:42 PM 05:50 PM		Brucella Cervical Spondylitis: Report of 6 cases	Abolfazl Rahimizadeh Erfan Ghorbani Housain Soufiani Abdolahzadeh
05:50 PM 05:58 PM		Q & A - Audience Response	



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

SCIENTIFIC PROGRAM

Faculty List

Abdulrazzaq Al Obeid	<i>Kuwait</i>	Hamad Alshahrani	<i>KSA</i>	Nazem Ali	<i>Syria</i>
Abolfazl Rahimizadeh	<i>Iran</i>	Hani Mhaidli	<i>Spain</i>	Omar Al Nori	<i>Qatar</i>
Ahmad Nassr	<i>USA</i>	Harry Shufflebarger	<i>USA</i>	Paul Fortin	<i>USA</i>
Akram Mahmoud	<i>USA</i>	Hasan Baydoun	<i>Lebanon</i>	Paul Tornetta	<i>USA</i>
Alaa Azmi	<i>Palestine</i>	Hassan Serhan	<i>USA</i>	Rafid A. Al Adhab	<i>Iraq</i>
Alexandre Nehme	<i>Lebanon</i>	Ibrahim Omeis	<i>Lebanon</i>	Raja Chaftari	<i>Lebanon</i>
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Amer Abdallah	<i>Lebanon</i>	Jehad Haj Ibranim	<i>Syria</i>	Rizwan Akram	<i>Pakistan</i>
Amjad Abdulhei	<i>Syria</i>	Jihad Sakkal	<i>Syria</i>	Saad Al Barrak	<i>Kuwait</i>
Ammar Al Omran	<i>KSA</i>	Joseph El Khalil	<i>Lebanon</i>	Saad Alqahtani	<i>KSA</i>
Anze Kristan	<i>Slovenia</i>	Kamil Albouri	<i>KSA</i>	Saeid Safaei	<i>Iran</i>
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Bassem Elhassan	<i>USA</i>	Khaled Abdel-kader	<i>UAE</i>	Salah Al Bishawi	<i>Jordan</i>
Chadi Tannoury	<i>USA</i>	Khaled Faraj	<i>UAE</i>	Salim Ahmad	<i>UAE</i>
Charbel Moussalem	<i>Lebanon</i>	Khaled Hadhri	<i>Tuesia</i>	Sam Shaia	<i>USA</i>
Christine El Yahchouchi	<i>Lebanon</i>	Khalil Kharrat	<i>Lebanon</i>	Samer Hasan	<i>USA</i>
Cory Collinge	<i>USA</i>	Lawrence Lenke	<i>USA</i>	Sami Roukoz	<i>Lebanon</i>
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Fadi Nassereddine	<i>Lebanon</i>	Mohammad Al Bayyati	<i>Iraq</i>	Tony Tannoury	<i>USA</i>
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