



Under the High Patronage of His Excellency
The President of the Lebanese Republic
General Michel AOUN



The International Musculoskeletal Society (I.M.S.)
2018 Annual Meeting

Unique One-on-One Hands-On Cadaveric Bioskills Workshop
July 8th - 11th

The 11th Anniversary Symposium on Current Concepts in Orthopedics
(Sports Injury, Joint Reconstruction, and Trauma),
Spine, and Pain & Rehabilitation Medicine
July 8th - 10th

Board Review Prep Course
July 11th - 13th

July 8th - 10th

Phoenicia Hotel, Beirut Lebanon

**BOSTON
UNIVERSITY**

www.imssociety.org



ORTHOPEDIC PROGRAM - ROOM A

Sunday, July 08th 2018

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM	Kevin Tetsworth Khaled Abdulkader	Round Table TKA Failures	
08:00 AM	08:10 AM	Case Discussion I	Riad Fakh
08:10 AM	08:25 AM	Take Home Message, Case I	Riad Fakh
08:20 AM	08:40 AM	Case Discussion II	Khaled Abdulkader
08:30 AM	08:50 AM	Take Home Message, Case II	Khaled Abdulkader
08:50 AM	09:00 AM	Q & A - Audience Response	
09:00 AM	Kevin Tetsworth Khaled Abdulkader	Updates on Infection of TKA	
09:00 AM	09:15 AM	Case Discussion III: Infected Well Fixed TKA	Sofiene Kallel
09:15 AM	09:25 AM	Take Home Message, Case III	Sofiene Kallel
09:25 AM	09:40 AM	Case Discussion IV: Bone Loss & TKA Revision	Kevin Teltsworth
09:40 AM	09:50 AM	Take Home Message, Case IV	Kevin Teltsworth
9:50 AM	10:00 AM	Q & A - Audience Response	
10:00 AM	10:30 AM	Coffee Break & Workshops	
10:30 AM	Alexandre Nehme Hamad Ashahrani	Controversies Around the Hip	
10:30 AM	10:45 AM	Case Discussion I: Hip Replacement	Alexandre Nehme
10:45 AM	10:55 AM	Take Home Message, Case I	Alexandre Nehme
10:55 AM	11:10 AM	Case Discussion II: AVN	Doumit Semaan
11:10 AM	11:20 AM	Take Home Message, Case II	Doumit Semaan
11:20 AM	11:35 AM	Case Discussion III: Neglected DDH	Hamad Alshahrani
11:35 AM	11:45 AM	Take Home Message, Case III	Hamad Alshahrani
11:45 AM	12:00 PM	Q & A - Audience Response	
12:00 PM	Ali Chamseddine Mohammed Al Bayati	Updates on Upper Extremity	
12:00 PM	12:10 PM	Scapho-Lunate Injuries	Sabri Mahjoub
12:10 PM	12:20 PM	High Energy Injuries with Massive Bone Loss	Kevin Teltsworth
12:20 PM	12:30 PM	Severe Elbow Injuries: Treatment Strategy	Kamil Albouri
12:30 PM	12:40 PM	External Fixation of Distal Radius vs Plating	Mohammed Al Bayati
12:40 PM	12:50 PM	Humerus Fractures: What is New?	Ali Chamseddine
12:50 AM	01:00 PM	Q & A - Audience Response	
01:00 PM	02:00 PM	Evaluation Step by Step Treatment Planning for Significant Bone Loss <i>Trauma, Tumor, Infection</i>	Dr. Kevin Tetsworth <i>Australia</i> <i>4 Web Workshop</i>



ORTHOPEDIC PROGRAM - ROOM A

Sunday, July 08th 2018

Time	Session Chairs	Session Title	Speaker
02:00 PM - 04:00 PM	Ramzi Moucharafieh Bassem Elhassan	Lebanese Orthopedic Society Session Round Tables on Shoulder Instability	
02:00 PM - 02:05 PM		Address of Lebanese Orthopedic Society Session	President Ramzi Moucharafieh
02:05 PM - 02:20 PM		Case Discussion I	Bassem Elhassan
02:20 PM - 02:30 PM		Take Home Message, Case I	Bassem Elhassan
02:30 PM - 02:45 PM		Case Discussion II	Hasan Baydoun
02:45 PM - 02:55 PM		Take Home Message, Case II	Hasan Baydoun
02:55 PM - 03:00 PM		Q & A - Audience Response	
03:00 PM - 03:15 PM		Case Discussion III	Mohamadreza Guity
03:15 PM - 03:25 PM		Take Home Message, Case III	Mohamadreza Guity
03:25 PM - 03:40 PM		Case Discussion IV	Ramzi Moucharafieh
03:40 PM - 03:50 PM		Take Home Message, Case IV	Ramzi Moucharafieh
03:50 PM - 04:00 PM		Q & A - Audience Response	
04:00 PM - 04:30 PM		Coffee Break	
04:30 PM - 06:00 PM		Combined Program	ROOM A
04:30 PM - 06:00 PM	Tony Tannoury Raja Chaftari	NASS Session: Innovations in Bone & Tendon Biology	
04:30 PM - 04:35 PM		NASS Presidential Address	NASS
04:35 PM - 04:40 PM		Presentation of Two Cases 1-Vertebral Compression Fracture	Tony Tannoury
04:40 PM - 04:50 PM		Evaluation of Bone Health and Advanced Imaging	Jennifer Solomon
04:50 PM - 05:00 PM		Medical Treatment of Osteoporosis: Can We Make a Difference	Hossam Othman
05:00 PM - 05:10 PM		Updates on Cement Augmentation of Fragility Fractures: When and How?	J. Solborg
05:10 PM - 05:20 PM		Updates on the Surgical Management of Osteoporotic Spinal Fractures	Tony Tannoury
05:20 PM - 05:25 PM		Partial Rotator Cuff Tear, S/P Fall	Raja Chaftari
05:25 PM - 05:35 PM		Does PT Make the Problem Worst?	Jennifer Solomon
05:35 PM - 05:45 PM		Biologic Treatment: PRP, Mesenchymal Cells etc: Where is the Evidence	Jennifer Solomon
05:45 PM - 05:55 PM		Is Surgery the Better Option	Hasan Baydoun
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

Monday, July 09th 2018

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM	Kevin Tetsworth Ali Yami	Round Tables: Total Hip Revisions Updates and Controversies	
08:00 AM	08:15 AM	Case Discussion I: Periprosthetic Fractures	Hamad Alshahrani
08:15 AM	08:25 AM	Take Home Message, Case I	Hamad Alshahrani
08:25 AM	08:40 AM	Case Discussion II: Septic Loosening	Rima Nasser
08:40 AM	08:50 AM	Take Home Message, Case II	Rima Nasser
08:50 AM	09:05 AM	Case Discussion III: Hip Dislocations	Khaled Abdulkader
09:05 AM	09:15 AM	Take Home Message, Case III	Khaled Abdulkader
09:15 AM	09:30 AM	Case discussion IV: Difficult Implant Removal	Mohamed Abdelkefi
09:30 AM	09:40 AM	Take Home Message, Case IV	Mohamed Abdelkefi
09:40 AM	09:55 AM	Case discussion V: Pathological Dx	Ali Yami
09:55 AM	10:05 AM	Take Home Message, Case V	Ali Yami
10:05 AM	10:20 AM	Case Discussion VI: Difficult Revision	Kevin Tetsworth
10:20 AM	10:30 AM	Q & A - Audience Response	
10:30 AM	11:00 AM	Coffee Break & Workshops	
11:00 AM	Ismat Ghanem Ammar Alomran	Pediatric: Updates and Round table	
11:00 AM	11:10 AM	Embryology and Growth	Dalal Bubshait
11:10 AM	11:20 AM	Pelvic Osteotomies	Ismat Ghanem
11:20 AM	11:30 AM	Femoral Osteotomies	Alaa Azmi
11:30 AM	11:40 AM	DDH before walking age	Bassel El Osta
11:40 AM	11:50 AM	DDH after walking age	Ammar Alomran
11:50 AM	12:00 PM	Q & A - Audience Response	
12:00 PM	12:15 PM	Case Discussion I: Knee Deformity	Ismat Ghanem
12:15 PM	12:25 PM	Take Home Message, Case I	Ismat Ghanem
12:25 PM	12:40 PM	Case Discussion II: Presenter Choice	Alaa Azmi
12:40 PM	12:55 PM	Take Home Message, Case II	Alaa Azmi
12:55 PM	01:00 PM	Q & A - Audience Response	
01:00 PM	02:00 PM	Evaluation Step by Step Treatment Planning for Significant Bone Loss <i>Trauma, Tumor, Infection</i>	Dr. Kevin Tetsworth <i>Australia</i> <i>4 Web Workshop</i>



ORTHOPEDIC PROGRAM - ROOM A

Monday, July 09th 2018

Time	Session Chairs	Session Title	Speaker
02:00 PM - 04:00 PM	Bassem Elhassan Ramzi Moucharafieh	Shoulder Reconstruction	
02:00 PM - 02:10 PM		Arthroscopic vs Miniopen Repair	Mohamadreza Guity
02:10 PM - 02:20 PM		Complete RCT in Athletes: Single vs. Double Row Techniques	Georges El Rassi
02:20 PM - 02:30 PM		Tendon Transfers for the Irreparable RCT	Bassem Elhassan
02:30 PM - 02:40 PM		Scapula Winging: Types and Treatment Recommendations	Mohamadreza Gilty
02:40 PM - 02:55 PM		Case Discussion I: Degenerative	Bassem Elhassan
02:55 PM - 03:00 PM		Take Home Message, Case I	Bassem Elhassan
03:00 PM - 03:15 PM		Case Discussion II: Trauma	Georges El Rassi
03:15 PM - 03:20 PM		Take Home Message, Case II	Georges El Rassi
03:20 PM - 03:35 PM		Case Discussion III: Infection	Kevin Tetsworth
03:35 PM - 03:40 PM		Take Home Message, Case III	Kevin Tetsworth
03:40 PM - 04:00 PM		Q & A - Audience Response	
04:00 PM - 04:30 PM		Coffee Break	
04:30 PM - 06:40 PM	Mohamadreza Guity Kamil Albouri	Scientific and Clinical Research Forum	
04:30 PM - 04:38 PM		Asia & Latin America Observational Study	Hossam Othman
04:38 PM - 04:46 PM		Wilkinson's Operation for Correction of Sprengel's deformity	Mohammed Al Bayati
04:46 PM - 04:52 PM		Safety Evaluation of a Laxity-Minimizing Suture in a Sheep Infraspinatus Tendon	David Spenciner Paul Favorito Timothy Muench Jolee Bartrom Richard Ryu
04:52 PM - 05:00 PM		First Clinical Results and Pre-Clinical Evaluation of a Next-Generation Suture	David Spenciner Aaron Bare Scott Sigman Alan Barber
05:00 PM - 05:08 PM		Proximal Row Corpectomy	Omar Sardani
05:08 PM - 05:16 PM		Use of Allograft for bone Non-union	Amjad Abdulhai
05:16 PM - 05:24 PM		What Does it Take to Bring a New Suture to Market? A Summary of Bench-top Tests	David Spenciner Vivian Liang Joseph Algeri
05:24 PM - 05:30 PM		Q & A - Audience Response	
05:30 PM - 05:38 PM		The Role of Stress Radiographs in Diagnosing Unstable Foot Injuries	Jihad Sakkal
05:38 PM - 05:46 PM		The Prevalence of Peroneal Tendon instability in Calcaneus Fractures- A Systematic Review and Meta-Analysis	Abduljabbar Alhammoud
05:46 PM - 05:54 PM		Arthroscopic Posterior Glenoid Osteotomy of the Shoulder	Elie Mansour
05:54 PM - 06:02 PM		Surgically Treated Isolated Posterior Wall Fractures Of Acetabulum: A Short Term Outcomes	Ali Bakir Al-Hilli Muhammad Kadum
06:02 PM - 06:10 PM		Salter vs Pemberton osteotomy for DDH Correction	Ameen Alkhateeb
06:10 PM - 06:18 PM		Arthroscopic Repair for the Primary Shoulder Dislocation. A superior Trending Intervention? A Systematic Review and Meta-Analysis	Abduljabbar Alhammoud
06:18 PM - 06:26 PM		Topical Delivery Vit D. Randomized Controlled Trial	Dalal Bubshait
06:26 PM - 06:32 PM		Mini Ex Fix for Correction of Hip and Knee Deformities	Ghassan Salameh
06:32 PM - 06:40 PM		Q & A - Audience Response	



ORTHOPEDIC PROGRAM - ROOM A

Tuesday, July 10th 2018

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM - 10:30 AM	Riad Fakhri Asim Al Daheri	Sports: Knee	
08:00 AM - 08:10 AM		Tunelling Techniques for Lary ACL Reconstruction	Hasan Baydoun
08:10 AM - 08:20 AM		Bony Defects in ACL Revision Strategy	Asim Al Daheri
08:20 AM - 08:30 AM		Techniques for Reconstruction of Posterolateral Corner	Hamad Alshahrani
08:30 AM - 08:40 AM		Tips and Tricks in PCL Reconstruction	Hasan Baydoun
08:40 AM - 08:55 AM		Menical Repair: When and How	Hamad Alshahrani
08:55 AM - 09:10 AM		Q & A - Audience Response	
09:10 AM - 09:20 AM		Techniques for Tibial Spine Re-Insertion	Asim Al Daheri
09:20 AM - 09:30 AM		Patello-femoral Maltracking: Evaluation	Mohamadreza Guity
09:30 AM - 09:40 AM		Cartilage Defects: Evaluation and Treatment Options	Medhet Mehdi
09:40 AM - 09:55 AM		Case Discussion I: Presented by Hamad Alshahrani	All Faculty
09:55 AM - 10:10 AM		Case Discussion II: Presented by Hasan Baydoun	All Faculty
10:10 AM - 10:25 AM		Case Discussion III: Presented by Mohamadreza Guity	All Faculty
10:25 AM - 10:30 AM		Q & A - Audience Response	
10:30 AM - 11:00 AM	Coffee Break & Workshops		
11:00 AM - 12:20 PM	Ali Yami Ahmad Shehadeh	Tumors: Evaluation & Principles of Treatment	
11:00 AM - 11:10 AM		Work up of Bone Lesions	Ahmad Shehadeh
11:10 AM - 11:20 AM		Work up of Soft Tissue Lesions	Said Saghieh
11:20 AM - 11:30 AM		Principles of Limb Salvage Around the Hip Joint	Ali Yami
11:30 AM - 11:40 AM		Structural Allograft vs Prosthetic Reconstruction of Limbs After Tumor Resection	Ali Yami
11:40 AM - 11:50 AM		Principles of Limb Salvage Around the Knee	Ahmad Shehadeh
11:50 AM - 12:00 PM		Aggressive Benign Lesions	Ali Yami
12:00 PM - 12:10 PM		Case Discussion I: Presented by Ahmad Shehadeh	All Faculty
12:10 PM - 12:20 PM		Case Discussion II: Presented by Said Saghieh	All Faculty
12:20 PM - 01:30 PM	Lunch Break		



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

SCIENTIFIC PROGRAM

ORTHOPEDIC PROGRAM - ROOM A

Tuesday, July 10th 2018

Time	Session Chairs	Session Title	Speaker
01:30 PM	03:00 PM	Kamil Albouri Rafid Al Adhab	Foot and Ankle
01:30 PM	01:40 PM	Evaluation of Flat Foot deformity	Elie Daniel
01:40 PM	01:50 PM	Tibialis Posterior dysfunction	Elie Daniel
01:50 PM	02:00 PM	Lisfranc Injuries	Rafid Al Adhab
02:00 PM	02:10 PM	Updates on Calcaneus Injuries	Kamil Albouri
02:10 PM	02:20 PM	Talus injuries and AVN	Kevin Tetsworth
02:20 PM	02:35 PM	Case Discussion I: Presented by Kamil Albouri	All Faculty
02:35 PM	02:50 PM	Case Discussion II: Presented by Mohamed Abdelkefi	All Faculty
02:50 PM	03:00 PM	Q & A - Audience Response	
03:00 PM	04:30 PM	Jehad Ibrahim Maen Al Zaim	Challenging Injuries of the Lower Extremities
03:00 PM	03:10 PM	Mangled Extremity, Principles in Treatment	Kamil Albouri
03:10 PM	03:20 PM	War Injuries Experience	Jehad Ibrahim
03:20 PM	03:30 PM	Injuries with Significant Bone Loss	Kevin Tetsworth
03:30 PM	03:45 PM	Case Discussion I: Presented by Ali Chamseddine	All Faculty
03:45 PM	04:00 PM	Case Discussion II: Presented by Jehad Ibrahim	All Faculty
04:00 PM	04:15 PM	Case Discussion III: Presented by Kamil Albouri	All Faculty
04:15 PM	04:30 PM	Q & A - Audience Response	



SPINE PROGRAM - ROOM B

Sunday, July 08th 2018

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM	09:10 AM	Khaled Faraj Abolfazl Rahimizadeh	Spine Fundamentals
08:00 AM	08:10 AM		Disc Pathologies
08:10 AM	08:20 AM		Evaluation and Management of Broken Hardware
08:20 AM	08:30 AM		Instrumentation Failure in Osteoporotic Spine: Etiology and How to Prevent it
08:30 AM	08:40 AM		An Evidence-Based Clinical Guideline for the Diagnosis and Treatment of Adult Isthmic Spondylolisthesis
08:40 AM	09:00 AM	All Faculty	Discussion of Broken Hardware: Why It Broke? How to Fix it and Prevent it Next Time
09:00 AM	09:10 AM		Q & A - Audience Response
09:10 AM	10:30 AM	Michael Grevitt Khalil Kharrat	Pediatric Deformity: Understanding the Basics
09:10 AM	09:20 AM		Pediatric Spine Deformity: Why the Spine Deforms?
09:20 AM	09:30 AM		Congenital Fusion: Rx Options and When to Operate
09:30 AM	09:40 AM		Scoliosis Deformity: Predictors for Progression
09:40 AM	09:50 AM		Spinal Casting & Bracing: Basics, Designs & Complications
09:50 AM	10:00 AM		Indications for Growth Preservation Techniques in Pediatric Scoliosis
10:00 AM	10:20 AM		Case Discussion: Presented by Michael Grevitt
10:20 AM	10:30 AM		Q & A - Audience Response
10:30 AM	11:00 AM	Coffee Break	
11:00 AM	12:30 PM	Ismat Ghanem Mohamed Khattab	Technical Innovations for Pediatric Scoliosis
11:00 AM	11:10 AM		Spine Based Distraction: Manual vs. Magnet Growing Rods
11:10 AM	11:20 AM		Rib Based Distraction Techniques
11:20 AM	11:30 AM		Apical Fusion with and without Lengthening
11:30 AM	11:40 AM		Incidence and Management of Unplanned Procedures in Growth Preserving Surgeries
11:40 AM	11:50 AM		The Effect of Metal Density in Thoracic Adolescent Idiopathic Scoliosis.
11:50 AM	12:05 PM		Case Discussion: Presented by Alaa Azmi
12:05 PM	12:20 PM		Case Discussion: Presented by Yousry Elhawary
12:20 PM	12:30 PM		Q & A - Audience Response
12:30 PM	01:30 PM	Evaluation Step by Step Treatment Planning for Significant Bone Loss <i>Trauma, Tumor, Infection</i>	
			Dr. Kevin Tetsworth <i>Australia</i> <i>4 Web Workshop</i>



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

SCIENTIFIC PROGRAM

SPINE PROGRAM - ROOM B

Sunday, July 08th 2018

Time	Session Chairs	Session Title	Speaker
01:30 PM - 03:00 PM	Hani Mhaidli Azmi Hamzaogulu	Adolescent Idiopathic Scoliosis	
01:30 PM - 01:40 PM		AIS Classification	Hani Mhaidli
01:40 PM - 01:50 PM		Determining fusion Levels in Lenke I, II, III & IV	Khalil Kharrat
01:50 PM - 02:00 PM		Surgery for Lenke V & VI: Levels, Derotation, Sagittal Balance	Azmi Hamzaogulu
02:00 PM - 02:10 PM		Step by Step: How to Achieve Safe & Excellent Scoliosis Correction	Michael Grevitt
02:10 PM - 02:20 PM		Pearls and Tips on Reduction of Rib Hump	Yousry Elhawary
02:20 PM - 02:30 PM		Alternative Fixation Techniques When Pedicle Screws Are not an Option	Jad Khalil
02:30 PM - 02:50 PM		Case Discussion: Presented by Jad Khalil	All Faculty
02:50 PM - 03:00 PM		Q & A	
03:00 PM - 04:00 PM	Yousry Elhawary Alaa Azmi	Complications	
03:00 PM - 03:10 PM		How to Reduce and Treat Surgical Infections	Meric Enercan
03:10 PM - 03:20 PM		How to Reduce and Treat Intraoperative Neurological Injuries	Michael Grevitt
03:20 PM - 03:30 PM		Early Adjacent Level Decompression: What is Acceptable and How to Treat	Azmi Hamzaogulu
03:30 PM - 03:50 PM		Case Discussion: Presented by Meric Enercan	All Faculty
03:50 PM - 04:00 PM		Q & A - Audience Response	
04:00 PM - 04:30 PM		Coffee Break	
04:30 PM - 06:00 PM		Combined Program	ROOM A
04:30 PM - 06:00 PM	Tony Tannoury Raja Chaftari	NASS Session: Innovations in Bone & Tendon Biology	
04:30 PM - 04:35 PM		NASS Presidential Address	NASS
04:35 PM - 04:40 PM		Presentation of Two Cases 1-Vertebral Compression Fracture	Tony Tannoury
04:40 PM - 04:50 PM		Evaluation of Bone Health and Advanced Imaging	Jennifer Solomon
04:50 PM - 05:00 PM		Medical Treatment of Osteoporosis: Can We Make a Difference	Hossam Othman
05:00 PM - 05:10 PM		Updates on Cement Augmentation of Fragility Fractures: When and How?	J. Solborg
05:10 PM - 05:20 PM		Updates on the Surgical Management of Osteoporotic Spinal Fractures	Tony Tannoury
05:20 PM - 05:25 PM		Partial Rotator Cuff Tear, S/P Fall	Raja Chaftari
05:25 PM - 05:35 PM		Does PT Make the Problem Worst?	Jennifer Solomon
05:35 PM - 05:45 PM		Biologic Treatment: PRP, Mesenchymal Cells etc: Where is the Evidence	Jennifer Solomon
05:45 PM - 05:55 PM		Is Surgery the Better Option	Hasan Baydoun
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	



SPINE PROGRAM - ROOM B

Monday, July 09th 2018

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM - 10:30 AM	Khalil Kharrat Mohamed El Sharkawi	AO Session Complexities of Aging Spine	
08:00 AM - 08:10 AM		Challenging Common Knowledge	Khalil Kharrat
08:10 AM - 08:20 AM		Step by Step: Pedicle Substraction Osteotomy	Michael Grevitt
08:20 AM - 08:30 AM		Step by Step: Vertebral Column Resection	Azmi Hamzaogulu
08:30 AM - 08:40 AM		Novel Osteotomy	Tony Tannoury
08:40 AM - 08:50 AM		Proximal Junctional Kyphosis & PJF: How can we Reduce it	Amer Sebaaly
08:50 AM - 09:00 AM		SI Joint: How Relevant it's?	Joseph Khalil
09:00 AM - 09:10 AM		How to Restore Sagittal Balance After Osteoporotic Fracture	Firas Attalah
09:10 AM - 09:20 AM		Case Discussion: Presented by Khalil Kharrat	All Faculty
09:20 AM - 09:30 AM		Q & A - Audience Response	
09:30 AM - 10:30 AM	Khalil Kharrat Maen Al Zaim	Challenging Trauma Cases	
09:30 AM - 09:40 AM		Case Discussion	Ibrahim Omeis
09:40 AM - 09:50 AM		Case Discussion	Mohamed El Sharkawi
09:50 AM - 10:00 AM		Case Discussion	Jad Khalil
10:00 AM - 10:10 AM		Case Discussion	Abubakr Darrag
10:10 AM - 10:20 AM		Case Discussion	Hecham Refae
10:20 AM - 10:30 AM		Q & A - Audience Response	
10:30 AM - 11:00 AM	Coffee Break		
11:00 AM - 01:00 PM	Abubakr Darrag Khaled Faraj	Technical Pearls: Tips and Tricks I Learned Over the Last 10 Years	
11:00 AM - 11:10 AM		Evaluation and Management of Failed Cervical TDR	Jad Khalil
11:10 AM - 11:20 AM		Step by Step, my Derotation Technique During Scoliosis Surgery	Mohamed Khattab
11:20 AM - 11:30 AM		Challenges of Cervical DISH	Saeed Safaei
11:30 AM - 11:40 AM		How did I Improve my TLIF	Michael Hasz
11:40 AM - 11:50 AM		My Techniques in Reduction of Facet Dislocations	Ahmad Nassr
11:50 AM - 12:00 PM		How I did Improve my PSO	Mohamed El Sharkawi
12:00 PM - 12:20 PM		Case Discussion: Presented by Ibrahim Omeis	All Faculty
12:20 AM - 12:30 PM		Q & A - Audience Response	
12:30 PM - 12:50 PM		Case Discussion: Presented by Michael Hasz	All Faculty
12:50 PM - 01:00 PM		Q & A - Audience Response	
01:00 PM - 02:00 PM		Evaluation Step by Step Treatment Planning for Significant Bone Loss Trauma, Tumor, Infection	Dr. Kevin Tetsworth Australia 4 Web Workshop



SPINE PROGRAM - ROOM B

Monday, July 09th 2018

Time	Session Chairs	Session Title	Speaker
02:00 PM - 03:00 PM	TBA Saeed Safaei	Thoraco-Lumbar Adult Deformity	
02:00 PM - 02:10 PM		Evaluation of Adult Deformity: Clinical and Radiographic	Bambang Darwono
02:10 PM - 02:20 PM		Reverse Osteotomy	Tony Tannoury
02:20 PM - 02:30 PM		When can we Consider a Small Surgery and not Treatment of the Full Deformity	Jean-Jacques Abitbol
02:30 PM - 02:40 PM		Predicting and Reducing Complications, Is Surgery Worth Doing?	Norman Chuktan
02:40 PM - 02:50 PM		Distal Pelvic Fixation: Options & Techniques	Jad Khalil
02:50 PM - 03:00 PM		Q & A - Audience Response	
03:00 PM - 04:00 PM	Mohamed Khattab Akram Mahmoud	Scientific Papers	
03:00 PM - 03:08 PM		Minimally-Invasive Spine Surgery (MISS) Applications in Tumor, Trauma and Degenerative Diseases	Muhammad Abd-El-Barr, MD, PhD
03:08 PM - 03:16 PM		Boarderline Cases Between Classical and MIS, Why and When?	Tarik Yazar, MD Merter A, MD
03:16 PM - 03:24 PM		Accuracy, Radiation Time, and Radiation Exposure Using Computer-Assisted Instrument Navigation Vs. Conventional C-Arm Fluoroscopy for Spine Surgery Instrumentation	Timothy Wang, MD Farah Hamouda, BS Eric Sankey, MD Vikram Mehta, MD, MPH Chester Yarbrough, MD Muhammad Abd-El-Barr, MD, PhD
03:24 PM - 03:32 PM		Diagnosis and Management of Dysphagia and Dyspnea in Diffuse Idiopathic skeletal Hyperostosis	Mohseni Kabir, MD Abolfazi Rahimizadeh, MD Soufiani H, MD
03:32 PM - 03:40 PM		The Impact of Surgical Reduction of High-Grade Lumbosacral Spondylolisthesis on Proximal Femoral Angle and Quality of Life	Imad Nahle, MD Hubert Labelle, MD Stefan Parent, MD, PhD Julie Joncas, RN, BSc Jean-Marc Mac-Thiong, MD, PhD
03:40 PM - 03:48 PM		Effect of Local Retropharyngeal Steroids on Fusion Rate after Anterior Cervical Discectomy and Fusion	Sapan Gandhi, MD Ryan Sauber, MD Kevin Weisz, BS Trevor Tooley, BS Kevin Baker, PhD Daniel Park, MD
03:48 PM - 04:00 PM		Q & A - Audience Response	
04:00 PM - 04:30 PM		Coffee Break	
04:30 PM - 05:30 PM	Joseph El Khalil Mubder Saeed	Scientific and Clinical Research Forum	
04:30 PM - 04:38 PM		Surface Modification Techniques to Enhance Osseointegration of Spine Implants	Dan Possley, DO
04:38 PM - 04:46 PM		Fusion Rate with Stand-alone Interbody Cage for Adjacent Segment Disease after Anterior Cervical Discectomy and Fusion	Sapan Gandhi, MD Daniel Possley, DO Adam Fahs, MD Kevin Baker, PhD Jad Khalil, MD Daniel Park, MD



SPINE PROGRAM - ROOM B

Monday, July 09th 2018

Time	Session Chairs	Session Title	Speaker
04:46 PM	04:54 PM	Minimally Invasive Costotransversectomy for the Resection of Large Thoracic Dumbbell Tumors	Tarek Sunna, MD
04:54 PM	05:04 PM	The Value of Cervicothoracic Landmarks in T1-T2 Disc Herniation with Report of 4 New Cases	Mohseni KN, MD Abolfazl Rahimizadeh, MD Zohrevand AH MD
05:04 PM	05:12 PM	Age is Not a Significant Predictor of Adverse Events After Cervical Spine Surgery: Analysis from the Michigan Spine (Surgery Improvement Collaborative (MSSIC	Jad Khalil, MD Hesham Mostafa Zakaria Daniel Possley DO, MS Ryan Sauber, MD Victor Chang, MD
05:12 PM	05:16 PM	Q & A - Audience Response	
05:16 PM	06:45 PM	Scientific and Clinical Research Forum	
	Tarik Yazar Joseph El Khalil		
05:16 PM	05:24 PM	Management of Symptomatic Ossification of Ligamentum Flavum (OLF) of the Cervical, Thoracic and Lumbar Spine: A series of 37 Caucasians	Abolfazl Rahimizadeh
05:24 PM	05:32 PM	Interobserver Agreement For Scoliosis Screening	Imad Nahle, MD Julie Joncas, RN, BSc Olivier Chemaly, MD Elise Faucher Hubert Labelle, MD Soraya Barchi Marie-Pier Trottier Marie-Elaine Poliquin Melanie Sarda Marie Beausejour, PhD
05:32 PM	05:40 PM	The Role of Iliac Screw in s1 and L5 Screw Loosening and In Long Fusions	Ashkan Khajoo
05:40 PM	05:48 PM	Management of Symptomatic Ossification of Ligamentum Flavum (OLF) of the Cervical, Thoracic and Lumbar Spine: A series of 37 Caucasians	Abolfazl Rahimizadeh
05:48 PM	06:06 PM	Neurological Improvement After Early Versus Late Surgical Decompression for Traumatic Thoracolumbar Fractures: A Comparative Study	Ali Bakir Al-Hilli Wameedh Qays Sabah Noro Zaid Ismail
06:06 PM	06:14 PM	Lumbar Schwannoma Case Report	Yasser Eido Taoufik Ghazal Aswad
06:14 PM	06:22 PM	Syrinx Associated with Cervical Spondylosis: Report of Eleven Cases	Touraj Yazdi Abolfazl Rahimizadeh
06:22 PM	06:30 PM	Syringomyelia: Surgical Management and Long-Term Outcome	Abubakr Darrag Salim Ahmed Mohammed Elzain Moaz Ibrahim Abdallah Mohamed
06:30 PM	06:38 AM	Iliac Graft Versus Local Graft+ Bone Substitute with Segmented Pedicular System for the Treatment of AIS	Saeid Safaei
06:38 PM	06:45 PM	Q & A - Audience Response	



SPINE PROGRAM - ROOM B

Tuesday, July 10th 2018

Time	Session Chairs	Session Title	Speaker
07:30 AM	Registration		
08:00 AM	06:00 PM	Combined Spine Pain Day	ROOM B
08:00 AM	10:30 AM	Tarik Yazar Charbel Moussallem	Low Back Pain Management
08:00 AM	08:10 AM	Pain Generators	Chadi Tannoury
08:10 AM	08:20 AM	Epidural Steroid Injections: Where is the Evidence?	Timothy Maus
08:20 AM	08:30 AM	Opioid addition: How to Reduce the Risk?	Jennifer Solomon
08:30 AM	08:40 AM	Painful Inflammatory Condition of the Spine	Mubder Saeed
08:40 AM	08:50 AM	Neuromodulation for Failed Back Surgery	J. Solberg
08:50 AM	09:00 AM	Q & A - Audience Response	
09:00 AM	09:10 AM	Biology of Spinal Fusion: How to Improve	Bambang Darwano
09:10 AM	09:20 AM	Single Level without Spondylolisthesis: When to Fuse?	Jean-Jacques Abitbol
09:20 AM	09:30 AM	Degenerative Spondylolisthesis: to Reduce or not to Reduce	Norman Chuktan
09:30 AM	09:40 AM	HNP Adjacent to a Fusion: To Fuse or Perform Simple Discectomy	Jean-Jacques Abitbol
09:40 AM	09:50 AM	Vertebral Augmentation: Cemento vs. Stentoplasty	Norman Chuktan
09:50 AM	10:00 AM	Q & A - Audience Response	
10:00 AM	10:20 AM	Case Discussion: Presented by Charbel Moussallem	All Faculty
10:20 AM	10:30 AM	Q & A - Audience Response	
10:30 AM	11:00 AM	Coffee Break	
11:00 AM	12:30 PM	Mohammad Armouti Ahmad Al Jahwari	Cervical Spine
11:00 AM	11:10 AM	Updates on TDR vs ACDF	Ibrahim Omeis
11:10 AM	11:20 AM	Dynamic vs. Static Cervical Plates: Clinical Implications to Different Design Features	Mohammad Armouti
11:20 AM	11:30 AM	1-2 Levels: Anterior Cervical Plating vs. Stand Alone Cages	Hecham Refae
11:30 AM	11:40 AM	Should Long Segment Cervical Fusion be Extended to the Thoracic Spine?	Touraj Yazdi
11:40 AM	11:50 AM	C5 palsy, Incidence, How to Prevent, How to Treat	Abofazl Rahimizadeh
11:50 AM	12:00 PM	Updates on Cervical TDR vs ACDF	Salah Al Bishawi
12:00 PM	12:20 PM	Case Discussion: Presented by Maen Al Zaim	All Faculty
12:20 PM	12:30 PM	Q & A - Audience Response	
12:30 PM	01:30 PM	Lunch Break	



SPINE PROGRAM - ROOM B

Tuesday, July 10th 2018

Time	Session Chairs	Session Title	Speaker
01:30 PM - 02:30 PM	Mubarak Awouda Omran Janbak	Regional Interest	
01:30 PM - 01:40 PM		Techniques in Reducing Blood Loss During Deformity Surgery	Joseph Khalil
01:40 PM - 01:50 PM		The Challenges in Surgical Management in Atlantoaxial Dislocation	Abolfazl Rahimizadeh
01:50 PM - 02:00 PM		Primary Infections of the Spine: Middle East and North Africa Experience	Ahmad Darrag
02:00 PM - 02:10 PM		Evaluation of Failed Back Surgery	Mohamed Khattab
02:10 PM - 02:20 PM		MIS for Spinal Tauma	Firas Atallah
02:20 PM - 02:30 PM		Q & A - Audience Response	
02:30 PM - 03:30 PM	Jad Khalil Firas Atallah	Debates	
02:30 PM - 02:40 PM		Should we Ever Stop at L5?	Norman Chuktan
02:40 PM - 02:50 PM		Upper Instrumented level: Where to Stop and How to Reduce Proximal Junctional Disease	Yousry El Hawary
02:50 PM - 03:00 PM		Posterior only Treatment: Advantages and Disadvantages	Ahmad Nassr
03:00 PM - 03:10 PM		Direct Lateral and Posterior Instrumented Fusion	Muhammad Abd-El-Barr
03:10 PM - 03:20 PM		Anterior to the Psoas and Posterior Instrumented Fusion	Jean-Jacques Abitbol
03:20 PM - 03:30 PM		Q & A - Audience Response	
03:30 PM - 04:30 PM	Michael Hasz Tony Tannoury	My Worst Case SteelBalls Session	
03:30 PM - 03:40 PM		My Own Complication Case: When and How Things Went Bad - Lessons Learned	Touraj Yazdi
03:40 PM - 03:50 AM		My Own Complication Case: When and How Things Went Bad - Lessons Learned	Jean-Jacques Abitbol
03:50 PM - 04:00 PM		My Own Complication Case: When and How Things Went Bad - Lessons Learned	Norman Chuktan
04:00 PM - 04:10 PM		My Own Complication Case: When and How Things Went Bad - Lessons Learned	Muhammad Abd-El-Barr
04:10 PM - 04:20 PM		My Own Complication Case: When and How Things Went Bad - Lessons Learned	Mubarak Awouda
04:20 PM - 04:30 PM		Q & A - Audience Response	



PAIN PROGRAM - ROOM C

Sunday, July 08th 2018

Time	Session Chairs	Session Title	Speaker
08:30 AM	Registration		
09:00 AM - 10:30 AM	Ultrasound Workshop (Lumbar Spine Anatomy, Medial Branch Block, Peripheral Nerve Blocks)		
09:00 AM - 09:30 AM		Group 1	Allen Chen
09:30 AM - 10:00 AM		Group 2	Ghassan Kanazi
10:00 AM - 10:30 AM		Group 3	M. Jubara
10:30 AM - 11:00 AM	Exhibitor Sponsored Workshops		
11:00 AM - 12:30 PM	Interactive Case Based Session Using Complete Imaging datasets		
11:00 AM - 12:30 PM		Neural Compressive Lesions of the Lumbar Spine	Timothy Maus
12:30 PM - 01:30 PM		Evaluation Step by Step Treatment Planning for Significant Bone Loss <i>Trauma, Tumor, Infection</i>	Dr. Kevin Tetsworth <i>Australia / 4 Web Workshop</i>
01:30 PM - 04:00 PM	Christine El-Yahchouchi Maged Ansary	Updates on Pain Interventions in the Middle East	Regional Leaders in the Field
01:30 PM - 01:45 PM		Do we Really Need Guidelines?	Maged Ansary
01:45 PM - 02:00 PM		Stem Cell in the Management of Degenerated Discs	Khaled Murad
02:00 PM - 02:15 PM		Intrathecal Pumps: Updates	Christine El-Yahchouchi
02:15 PM - 02:30 PM		Development of Spinal Cord Stimulation: Update and Challenges	Farnad Imani
02:30 PM - 02:45 PM		Radiofrequency Neucleoplasty Coblation	Saeed Safaei
02:45 PM - 03:15 PM		Case Discussion	Ghassan Kanazi
03:15 PM - 03:45 PM		Case Discussion	Farnad Imani
03:45 PM - 04:00 PM	Q & A - Audience Response		
04:00 PM - 04:30 PM	Coffee Break		
04:30 PM - 06:00 PM	Combined Program		ROOM A
04:30 PM - 06:00 PM	Tony Tannoury Raja Chaftari	NASS Session: Innovations in Bone & Tendon Biology	
04:30 PM - 04:35 PM		NASS Presidential Address	NASS
04:35 PM - 04:40 PM		Presentation of Two Cases 1-Vertebral Compression Fracture	Tony Tannoury
04:40 PM - 04:50 PM		Evaluation of Bone Health and Advanced Imaging	Jennifer Solomon
04:50 PM - 05:00 PM		Medical Treatment of Osteoporosis: Can We Make a Difference	Hossam Othman
05:00 PM - 05:10 PM		Updates on Cement Augmentation of Fragility Fractures: When and How?	J. Solborg
05:10 PM - 05:20 PM		Updates on the Surgical Management of Osteoporotic Spinal Fractures	Tony Tannoury
05:20 PM - 05:25 PM		Partial Rotator Cuff Tear, S/P Fall	Raja Chaftari
05:25 PM - 05:35 PM		Does PT Make the Problem Worst?	Jennifer Solomon
05:35 PM - 05:45 PM		Biologic Treatment: PRP, Mesenchymal Cells etc: Where is the Evidence	Jennifer Solomon
05:45 PM - 05:55 PM		Is Surgery the Better Option	Hasan Baydoun
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		



PAIN PROGRAM - ROOM C

Monday, July 09th 2018

Time	Session Chairs	Session Title	Speaker
08:30 AM	Registration		
09:00 AM - 10:30 AM	Bambang Darwano Farnad Imani	Epidural Steroid Injections 1	
09:00 AM - 09:15 AM		Epidural Steroid Injections: Evidence of Efficacy	Christine El-Yahchouchi
09:15 AM - 09:30 AM		Planning Transforaminal Injections	Timothy Maus
09:30 AM - 09:45 AM		Flow patterns: Vascular	Christine El-Yahchouchi
09:45 AM - 10:00 AM		Flow patterns: Intrathecal, Intradural	Timothy Maus
10:00 AM - 10:20 AM		Particulate vs non-Particulate Steroids	Christine El-Yahchouchi
10:20 AM - 10:30 AM		Q & A - Audience Response	
10:30 AM - 11:00 AM	Coffee Break & Workshops		
11:00 AM - 01:00 PM	Christine El-Yahchouchi Maged El Ansary	Epidural Steroid Injections 2	
11:00 AM - 11:15 AM		Anticoagulants and Interventional Pain Procedures	J. Solborg
11:15 AM - 11:30 AM		Risk Mitigation Techniques in Epidural Injections	Timothy Maus
11:30 AM - 11:45 AM		Adverse Event Rates in Epidural Injections: The Evidence	Christine El-Yahchouchi
11:45 AM - 12:00 PM		Selective Nerve Blocks	Jennifer Solomon
12:00 PM - 12:15 PM		Fluoroscopic / Cross Sectional Imaging Correlation	Timothy Maus
12:15 PM - 12:30 PM		The Space of Okada and Posterior Ligamentous Complex Inflammation	Christine El-Yahchouchi
12:30 PM - 12:45 PM		CT Guidance in Interventional Pain Procedures	A. Kutoubi
12:45 PM - 01:00 PM		Q & A - Audience Response	
01:00 PM - 02:00 PM		Evaluation Step by Step Treatment Planning for Significant Bone Loss <i>Trauma, Tumor, Infection</i>	Dr. Kevin Tetsworth <i>Australia</i> <i>4 Web Workshop</i>
02:00 PM - 04:00 PM	TBA Farnad Imani	RF Medial Branch Neurotomy	
02:00 PM - 02:15 PM		Lumbar RF Neurotomy: Physical principles	Allen Chen
02:15 PM - 02:30 PM		Patient Selection: Medial Branch Blocks, the Evidence	Jennifer Solomon
02:30 PM - 02:45 PM		RF Neurotomy: Technical Procedural Requirements	Christine El-Yahchouchi
02:45 PM - 03:10 PM		RF Neurotomy: Evidence of Efficacy	J. Solborg
03:10 PM - 03:30 PM		The Mint Trials: When the Literature Deceives You	Timothy Maus
03:30 PM - 03:50 PM		Case Discussion: Presented by TBA	All Faculty
03:50 PM - 04:00 PM		Q & A - Audience Response	
04:00 PM - 04:30 PM	Coffee Break & Workshops		



INTERNATIONAL MUSCULOSKELETAL SOCIETY (IMS)

SCIENTIFIC PROGRAM

PAIN PROGRAM - ROOM C

Monday, July 09th 2018

Time	Session Chairs	Session Title	Speaker
04:30 PM	05:30 PM	Allen Chen Maged El Ansary	Sacroiliac Joint
04:30 PM	04:45 PM	Sacroiliac Joint: Anatomy, Function, Innervation and Imaging	Timothy Maus
04:45 PM	05:00 PM	Sacroiliac Joint: Diagnosis and Therapy	Jennifer Solomon
05:00 PM	05:10 PM	Intra-articular injections: It only looks easy	Timothy Maus
05:10 PM	05:20 PM	Denervation Techniques	Allen Chen
05:20 PM	05:30 PM	Q & A - Audience Response	
05:30 PM	06:30 PM	Christine El-Yahchouchi	Neuromodulation
05:30 PM	05:45 PM	Physics / technology of neuromodulation	Allen Chen
05:45 PM	06:00 PM	Utility in the Post Surgical Patient	J. Solborg
06:00 PM	06:20 PM	N-M topic	Jennifer Solomon
06:20 PM	06:30 PM	Q & A - Audience Response	

SPINE PROGRAM - ROOM B

Tuesday, July 10th 2018

08:00 AM 06:00 PM

Combined Spine Pain Day

ROOM B