TUESDAY, MARCH 14th

Sports Medicine

*Classification: Sports Medicine*

SE059-SE078 - Scientific Exhibit
Tuesday, March 14, 2017
7:00 AM - 6:00 PM San Diego Convention Center, Academy Hall, Sails Pavilion

SE74 Running: A Comprehensive Overview for the Orthopaedic Surgeon
Andrea Spiker MD, Ken Johnson PT, Andrew Cosgarea MD, James Ficke MD.

Spine Poster Session

*Classification: Spine*

P361-P420 - Posters
Tuesday, March 14, 2017
7:00 AM - 6:00 PM San Diego Convention Center, Academy Hall, Sails Pavilion

P369 Impact of Depression on Health Related Quality of Life Outcomes in Surgically Treated Adult Spinal Deformity Patients
Amit Jain MD, Floreana Kebaish MD, Lawrence Lenke MD, Leah Carreon MD, Christopher Ames MD, Christopher Shaffrey MD, Michael Fehlings MD, Benny Dahl MD, Khaled Kebaish MD

Musculoskeletal Oncology Poster Session

*Classification: Musculoskeletal Oncology*

P241-P260 - Posters
Tuesday, March 14, 2017
7:00 AM - 6:00 PM San Diego Convention Center, Academy Hall, Sails Pavilion

P250 Can We Estimate Short and Intermediate Term Survival in Patients with Metastatic Bone Disease?
Jonathan Forsberg MD, Rikard Wedin MD, Patrick Boland MD, John Healey MD.

Adult Reconstruction Hip

*Classification: Adult Reconstruction Hip*

SE001-SE013 - Scientific Exhibit
Tuesday, March 14, 2017  
7:00 AM - 6:00 PM San Diego Convention Center, Academy Hall, Sails Pavilion

SE06 Intraoperative Strategies for Prevention of Infection in Total Joint Arthroplasty  
Zan Naseer, Ian Kane, Donald Hope MD, Lynne Jones PhD, Harpal Khanuja, Robert Sterling MD.

SE09 Intervention Strategies for the Modification of Risk Factors in Total Hip and Knee Arthroplasty  
Zan Naseer, Ian Kane, Donald Hope MD, Lynne Jones PhD, Robert Sterling MD, Harpal Khanuja.

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Pediatric Poster Session  
Classification: Pediatrics

P261-P280 - Posters  
Tuesday, March 14, 2017  
7:00 AM - 6:00 PM San Diego Convention Center, Academy Hall, Sails Pavilion

P270 Nonoperative Management of Salter-Harris II Fractures of the Distal Tibia  
Adam Margalit BS, Kranti Peddada BS, Craig Remenapp MS, Rushyuan Lee MD.

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Spine Poster Session  
Classification: Spine

P361-P420 - Posters  
Tuesday, March 14, 2017  
7:00 AM - 6:00 PM San Diego Convention Center, Academy Hall, Sails Pavilion

P397 The Sagittal Pelvis-Spine Relationship in Marfan Syndrome  
Sivakolundu Suresh, Adam Margalit BS, Paul Sponseller MD.

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Spine I  
Classification: Spine

046-060 - Paper Presentations  
Tuesday, March 14, 2017  
8:00 AM - 10:00 AM San Diego Convention Center, Room 7

Moderator 1: Norman Chutkan MD  
Moderator 2: Olumide Danisa MD

048 Outcomes and Complications of Sacropelvic Fixation Using the S2 Alar-Iliac (S2AI) Technique in Adult Spinal Deformity Patients Fused to the Sacrum: A Minimum Two-Year Follow-Up Study  
Tina Raman MD, Emily Miller BA, Hamid Hassanzadeh MD, Paul Sponseller MD, Khaled Kebaish MD.
Sport Medicine I

**Classification: Sports Medicine**

016-030 - Paper Presentations
Tuesday, March 14, 2017
**8:00 AM - 10:00 AM** San Diego Convention Center, Room 6A
**Moderator 1:** Srino Bharam MD
**Moderator 2:** Jeffrey Macalena MD

019  Gender Trends in Sports Participation: Implications for Injury Awareness
Miho Tanaka MD, Lynne Jones PhD.

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**Soft-Tissue Tumors: A Pictorial and Guide to Diagnosis and Treatment**

**Classification: Musculoskeletal Oncology**

124 - ICL 2-Hour
Tuesday, March 14, 2017
**10:30 AM - 12:30 PM** San Diego Convention Center, Room 1A
**Moderator 1:** Valerae Lewis MD

The course is a pictorial-based guide to the management and treatment of soft tissue tumors.

**Diagnostic Modalities: Indications and Options**
Carol Morris MD.

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**Pediatrics I**

**Classification: Pediatrics**

091-105 - Paper Presentations
Tuesday, March 14, 2017
**10:30 AM - 12:30 PM** San Diego Convention Center, Room 29
**Moderator 1:** Lawrence Haber MD
**Moderator 2:** Bryan Tompkins MD

096  Body Mass Hides the Curve: Scoliometer Readings Vary by Body Mass Index Values
Adam Margalit BS, Greg McKean, Ada, Constantine, Carol Thompson MBA, Rushyuan Lee MD, Paul Sponseller MD.

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**MRI of the Spine: Essentials for the Orthopaedic Surgeon**

**Classification: Spine**

147 - ICL 2-Hour
Tuesday, March 14, 2017
**1:30 PM - 3:30 PM** San Diego Convention Center, Room 33
This course helps clinicians develop a systematic structured checklist approach to the accurate interpretation of spine MRI exams emphasizing standardized nomenclature and grading schemes.

What Does an Orthopaedic Surgeon Need to Know from a Spine MRI
Brian Neuman MD.

How to Approach and Treat Metastatic Disease – Interactive and Case-Based Discussion

Classification: Musculoskeletal Oncology

187 - Case Presentation
Tuesday, March 14, 2017
4:00 PM - 6:00 PM San Diego Convention Center, Room 25

Moderator 1: Valerae Lewis MD

It is crucial for the general orthopaedic surgeon to know how to effectively recognize and work up osseous metastatic (or presumptive metastatic) disease. As the survival for this patient population continues to improve, appropriate and durable fixation/management is imperative. Case scenarios and surgical, non-invasive, and minimally invasive treatment options are discussed.

Carol Morris MD.
Applying Deformity Concepts to the Degenerative Spine Practice

*Classification: Spine*

I - Symposium
Wednesday, March 15, 2017
**8:00 AM - 10:00 AM** San Diego Convention Center, Room 6C

**Moderator 1:** Theodore Choma MD

This symposium examines the importance of spinal balance in both the coronal and sagittal planes, as well as implications for the orthopaedic surgeon who cares for degenerative spinal pathologies.

**Pathologies in the Coronal Plane That Require Treatment**

*Khaled Kebaish MD.*

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**Poster Tour - Musculoskeletal Oncology**

*Classification: Musculoskeletal Oncology*

PT - MO - Poster Tours
Wednesday, March 15, 2017
**8:30 AM - 9:30 AM** San Diego Convention Center, Academy Hall, Sails Pavilion

**Moderator 1:** Carol Morris MD

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**Sports Tumors – How to Manage Orthopaedic Conditions in the Setting of Common Benign Tumors**

*Classification: Musculoskeletal Oncology*

225 - ICL 2-Hour
Wednesday, March 15, 2017
**10:30 AM - 12:30 PM** San Diego Convention Center, Room 1A

**Moderator 1:** Wakenda Tyler MD

This course is designed to help participants appreciate the appropriate recognition and work up of incidental masses noted on common musculoskeletal complaints, as well as develop practical solutions for safe and effective care for these conditions.

- Enchondromas.
- Ganglion Cysts

*Adam Levin MD.*

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**Medical Students' Program**

*Classification: General*

750 - Medical Students Program
Wednesday, March 15, 2017
**1:30 PM - 6:00 PM** Hilton San Diego Bayfront Hotel, Sapphire Ballroom L

**Moderator 1:** Mary O’Connor MD
Moderator 2: Jason Scalise MD

This special session designed for Medical Students will build awareness of orthopaedics and offer information and guidance to help direct medical students toward a successful orthopaedic career. (US Medical Students Only)
Panel Discussion
Dawn LaPorte MD.

Spine III

Classification: Spine

451-465 - Paper Presentations
Wednesday, March 15, 2017
4:00 PM - 6:00 PM San Diego Convention Center, Room 7

Moderator 1: Christopher Furey MD
Moderator 2: Neel Anand MD

4:36 PM - 4:42 PM 456 Outcomes and Complications of Sacropelvic Fixation Using S2 Alar-Iliac Technique in Adult Spinal Deformity Patients Fused to the Sacrum: A Five-year Follow-up Study
Khaled Kebaish MD, Tina Raman MD, Emily Miller BA, Paul Sponseller MD.

5:00 PM - 5:06 PM 459 The Effect of Prophylactic Vertebroplasty on the Incidence of Proximal Junctional Kyphosis and Proximal Junctional Failure Following Posterior Spinal Fusion in Adult Spinal Deformity: A Five-year Follow-up Study
Tina Raman MD, Emily Miller BA, Khaled Kebaish MD.

5:24 PM - 5:30 PM 462 Perioperative Medical Complications and Mortality Rate Among 3,519 Elderly Patients Undergoing Surgery for Spinal Deformity
Amit Jain MD, Hamid Hassanzadeh MD, Varun Puvanesarajah MD, Eric Klineberg MD, Daniel Scuibba MD, Michael Kelly MD, Virginie Lafage PhD, Aaron Buckland FRACS, Peter Passias MD, Renaud Lafage, Justin Smith MD, Christopher Shaffrey MD, Khaled Kebaish MD.
**Spine IV**

*Classification: Spine*

496-510 - Paper Presentations  
Thursday, March 16, 2017  
8:00 AM - 10:00 AM San Diego Convention Center, Room 29  
**Moderator 1:** Peter Passias MD  
**Moderator 2:** Troy Mounts MD

505 Early Postoperative Surgical Site Infections in the Scoli-Risk 1 Cohort of Complex Spinal Deformity Patients Still Allowed For Improved Health Related Quality of Life Outcomes at 2 Year Follow-Up  
Amit Jain MD, Floreana Kebaish MD, Lawrence Lenke MD, Michael Fehlings MD, Christopher Ames MD, Christopher Shaffrey MD, Leah Carreon MD, Benny Dahl MD, *Khaled Kebaish MD.*

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**Spine IV**

*Classification: Spine*

496-510 - Paper Presentations  
Thursday, March 16, 2017  
8:00 AM - 10:00 AM San Diego Convention Center, Room 29  
**Moderator 1:** Peter Passias MD  
**Moderator 2:** Troy Mounts MD

504 The Posterior Use of rhBMP-2 in Cervical Deformity Surgery Does Not Result in Increased Complications: A Prospective Multicenter Study  
HanJo Kim MD, Sravisht Iyer MD, Hongda Bao MD, Justin Smith MD, Munish Gupta MD, Todd Albert MD, Gregory Mundis MD, Peter Passias MD, *Brian Neuman MD,* Eric Klineberg MD, Virginie Lafage PhD

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**Looking Beyond the Curve: Classification and Treatment of Spinal Deformity in the Orthopaedic Clinic**

*Classification: Spine*

310 - ICL 2-Hour  
Thursday, March 16, 2017  
8:00 AM - 10:00 AM San Diego Convention Center, Room 28A  
**Moderator 1:** John Dimar II MD

The unique problems associated with the spinal deformities including achondroplasia, Down syndrome, neurofibromatosis, Marfan & Ehlers-Danlos syndromes, osteogenesis, and other miscellaneous syndromes are discussed.  
Connective Tissue Disorders. Spine Pathology and BI  
*Paul Sponseller MD.*
Pediatrics III

Classification: Pediatrics

631-645 - Paper Presentations
Thursday, March 16, 2017
1:30 PM - 3:30 PM San Diego Convention Center, Room 7
Moderator 1: Paul Saluan MD
Moderator 2: Tim Schrader MD

1:36 PM - 1:42 PM
632 Recovery of Muscle Strength After Anterior Cruciate Ligament Reconstruction in Pediatric Patients
Rushyuan Lee MD, Adam Margalit BS, Afamefuna Nduaguba, Melissa Gunderson BA, Lawrence Wells MD.

1:54 PM - 2:00 PM
634 Concomitant Collateral Ligament Injuries in Pediatric Patients with Anterior Cruciate Ligament Tears: Associations of BMI, Age, and Time to Surgery
Rushyuan Lee MD, Adam Margalit BS, Afamefuna Nduaguba, Melissa Gunderson BA, Theodore Ganley MD.

2:00 PM - 2:06 PM
635 Chondral and Meniscal Injuries in Pediatric Patients with Anterior Cruciate Ligament Tears: Associations of Body Mass Index, Age, and Time to Surgery
Rushyuan Lee MD, Adam Margalit BS, Afamefuna Nduaguba, Melissa Gunderson BA, Theodore Ganley MD.

Surgical Management of Patellar Instability

Classification: Sports Medicine

370 - Technical Skills
Thursday, March 16, 2017
4:00 PM - 6:00 PM San Diego Convention Center, Room 6A
Moderator 1: John Fulkerson MD

This Instructional Course Lecture focuses on a step-wise approach to the surgical treatment of patellar stabilization addressing each contributing factor.
Cartilage Management with Patellar Instability
Andrew Cosgarea MD.

Spine VI

Classification: Spine

676-690 - Paper Presentations
Thursday, March 16, 2017
4:00 PM - 6:00 PM San Diego Convention Center, Room 7
Moderator 1: William Donaldson III MD
Moderator 2: William Lavelle MD
Cost Utility Analysis of Operative vs. Nonoperative Treatment for Adolescent Idiopathic Scoliosis
Amit Jain MD, Michael Kelly MD, Lawrence Lenke MD, Thomas Errico MD, Khaled Kebaish MD, Paul Sponseller MD.

Johns Hopkins Alumni Reception
6:00 PM – 8:30 PM Hilton San Diego Bayfront Aqua 313
Adult Spinal Deformity: Surgical Planning and Complications

*Classification: Spine*

483 - Case Presentation
Friday, March 17, 2017
**11:00 AM - 12:30 PM** San Diego Convention Center, Room 25
**Moderator 1:** Robert Hart MD

Cases focus on various scenarios of adult spinal deformity (untreated idiopathic scoliosis, degenerative lumbar scoliosis, flat back syndrome, the older adult deformity patient) as well as complications of treatment (interoperative spinal cord signal changes, proximal junctional failure, and non-union with rod fracture).

*Khaled Kebaish MD.*

Bone and Soft Tissue Tumors for the General Orthopaedic Surgeon: How to Diagnose, Manage, and Avoid Errors

*Classification: Musculoskeletal Oncology*

427 - ICL 2-Hour
Friday, March 17, 2017
**11:00 AM - 12:30 PM** San Diego Convention Center, Room 1B
**Moderator 1:** Carol Morris MD

This course reviews the most common bone and soft tissue tumors that present to the general orthopaedic surgeon or nontumor orthopaedic subspecialist. Both adult and pediatric clinical scenarios are covered. Presenters outline a strategy for working up and triaging suspicious lesions including when to refer to a musculoskeletal oncologist and also review the management of the asymptomatic incidentally discovered tumor in relation to the underlying relevant conditions. Common avoidable pitfalls and management errors are reviewed with a strong emphasis on case examples.

11:00 AM - 12:30 PM  **ADULT BONE TUMORS**
Jonathan Forsberg MD.

11:00 AM - 12:30 PM  **PEDIATRIC BONE TUMORS**
Valerae Lewis MD.

Pediatrics IV

*Classification: Pediatrics*

793-801 - Paper Presentations
Friday, March 17, 2017
**11:00 AM - 12:30 PM** San Diego Convention Center, Room 29
**Moderator 1:** Meghan Imrie MD
Moderator 2: Jonathan Schoenecker MD

800 Medical Malpractice in Pediatric Orthopaedics: A Systematic Review
Scott Galey, Adam Margalit BS, Jaysson Brooks MD, Michael Ain MD.

Examination of the Shoulder for Beginners and Experts

Classification: General

426 - ICL 2-Hour
Friday, March 17, 2017
11:00 AM - 12:30 PM San Diego Convention Center, Room 33
Moderator 1: Edward McFarland MD

This is designed for beginner and experienced orthopaedic providers to learn the latest on physical examination of the shoulder.

11:00 AM - 12:30 PM
W Kibler MD.
11:00 AM - 12:30 PM
George Murrell.

Adult Reconstruction Hip VIII

Classification: Adult Reconstruction Hip

802-816 - Paper Presentations
Friday, March 17, 2017
1:30 PM - 3:30 PM San Diego Convention Center, Ballroom 20
Moderator 1: Gregory Deirmengian MD
Moderator 2: Glenn Wera MD

811 The Impact of Systemic Lupus Erythematous on Perioperative Complications in Primary Total Knee Arthroplasty and Primary Total Hip Arthroplasty

What Residents Need to Know and Core Competencies Too

Classification: General
AA - Symposium
Friday, March 17, 2017
1:30 PM - 4:30 PM San Diego Convention Center, Room 6C
Moderator 1: Alexander Vaccaro MD

Residents join us for the specially developed educational event, tailored just for you! In addition to presenting the core competencies required for completion of an orthopaedic residency program, you will also learn how to prep for a fellowship; how to choose your first job and navigating the legal/medical world of orthopaedics. If you can't join us in person, send your questions via Twitter, #AAOSPearls.

Patient Care Robert Sterling MD.
Adult Lumbar Disc Herniation: Treatment, Complications, Outcomes, and Evidence-Based Data for Patient and Health Professional Counseling

*Classification: Spine*

467 - ICL 2-Hour  
Friday, March 17, 2017  
4:00 PM - 6:00 PM San Diego Convention Center, Room 33  
**Moderator 1:** Eric Klineberg MD

This course provides evidence-based treatment options for adult patients with lumbar disc herniation to aid surgeons in counseling patients and healthcare professionals.

- Odds and ends; recurrent disc herniation, far lateral disc herniation, role of fusion

**Brian Neuman MD.**

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Care of the Pediatric Spine: From the Basics to the Bizarre

*Classification: Pediatrics*

487 - Case Presentation  
Friday, March 17, 2017  
4:00 PM - 6:00 PM San Diego Convention Center, Room 25  
**Moderator 1:** Suken Shah MD

Engage in small group, case-based discussion with your peers while trying to manage difficult problems of the entire pediatric spine – cervical to sacrum.

**Paul Sponseller MD.**
Session V: Challenges in Clinical Practice

*Classification: Musculoskeletal Oncology*

MSTSS-5 - Specialty Day - MSTS  
Saturday, March 18, 2017  
**1:25 PM - 3:45 PM** San Diego Convention Center, Room 5  
**Moderator 1:** Richard O'Donnell MD  
**Moderator 2:** Scott Weiner MD

3:00 PM - 3:30 PM  
Younger Member Engagement  
Lee Leddy MD, **Adam Levine MD**, Tessa Balach MD, Raffi Avedian MD, Rajiv Rajani MD.

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1:25 PM - 2:15 PM  
Panel Discussion: Best Save and Worst Complication Cases  
R Randall MD, Albert Aboulafia MD, Joseph Benevenia MD, **Carol Morris MD**, Mark Gebhardt MD.