Spine Technology and Educational Group Organization  
12th Annual Symposium  
"State of Spine Surgery: A Think Tank"

Thursday, June 18, 2015

6:30-7:30 AM  BREAKFAST / EXHIBITS

7:30-9:00  "The New Masters of Spine: Buyers and Payers" – What the new Buyers and Payers have to say about the spine surgeon's role  
Walter Eisner, Senior Writer for Orthopedics This Week  
William C. Watters, III, M.D., MMS, MS, Clinical Professor, University of Texas Medical Branch; Clinical Assoc. Professor, Baylor College of Medicine; Past President, NASS  
Carolyn M. Bruguera, Esq., Vice President & General Counsel, R-Squared Services & Solutions, Inc.

- How will the shift from fee-for-service (volume) to pay-for-performance (value) impact spine surgeons and new Technologies?
- Hospital paymasters making purchasing decisions and large payers demanding value have changed the innovation and payment calculus for new spine and medical devices.
- As surgeons increasingly become employees within bundled payment systems, the level of clinical decision autonomy begins to change. Add in payment disclosures from device companies to surgeons under the Sunshine Act and you've got a whole new set of challenges in treating patients.

9:00-9:30  BREAK / EXHIBITS

9:30-10:12  Success and Failures of Cervical Disc Replacement  
Moderator: Richard Guyer, M.D.

Cervical TDR: Are the outcomes better than fusion?  Rick Sasso, M.D.
When is fusion better?  Jeffrey Goldstein, M.D.
Does the choice of TDR implant matter?  Jack Zigler, M.D.
TDR: An economic advantage?  Richard Guyer, M.D.

Questions/Discussion

10:12-10:40  Proximal Junctional Kyphosis  
Moderator: Alex Vaccaro, M.D., Ph.D.

Who is at Risk?  Sofdar Khan, M.D.
Approaches to prevention of PJK  Thomas Cha, M.D.
Surgical management of PJK  R. Todd Allen, M.D., Ph.D.

Questions/Discussion

10:40-11:30  Minimally-invasive Controversies  
Moderator: Jeffrey Goldstein, M.D.

Lateral interbody fusion procedures: Are they all the same? Anterior to psoas?  Juan Uribe, M.D.
Lateral interbody fusion: How to prevent complications?  Steve Garfin, M.D.
ACR (ALL release) for deformity correction: The future or hype?  Frank Phillips, M.D.
Radiation in the OR: Is MIS sustainable?  R. Todd Allen, M.D., Ph.D.
Do we need expandable TLIF cages? A value proposition?  Sigurd Berven, M.D.

Questions/Discussion

11:30-12:20  Ambulatory Surgicenters and Spine Surgery  
Moderator: Stephen Hochschuler, M.D.

Why are ASCs a better venue for spine surgery?  Mark Kurd, M.D.
Economics of ASC spine surgery  Neil Badlani, M.D.
Optimizing the experience  Frank Phillips, M.D.
Challenges with ASCs  Thomas Cha, M.D.

Questions/Discussion

12:20-1:15  Lunch/Exhibits

1:15-1:50  Debate: Spinal Alignment  
Moderator: Gregory Mundis, M.D.

We have been ignoring alignment and we now need to get our act straight  Juan Uribe, M.D.
Are we over-treating—is this the golden ticket for implant companies?  Alex Vaccaro, M.D., Ph.D.
Is every degenerative case a deformity case?  Steve Garfin, M.D.

Questions/Discussion

1:50-2:32  Cervicothoracic Deformity  
Moderator: R. Todd Allen, M.D., Ph.D.

Cervicothoracic deformity classification  Gregory Mundis, M.D.
Operative management of cervicothoracic deformity - translating the preoperative plan into practice  Donald Blaskiewicz, M.D.

When should surgery not be recommended?  Sigurd Berven, M.D.
Do MIS techniques have a role?  Neel Anand, M.D.

Questions/Discussion
Moderator: Jack Zigler, M.D.
Laminectomy is the optimal approach Jeffrey Goldstein, M.D.
Laminoplasty is the optimal approach Jean-Jacques Abitbol, M.D.
Questions/Discussion

2:55-3:30 Research Presentations: The Future – Session I
Moderator: Juan Uribe, M.D.
Perioperative complications of adult spinal deformity in patients 65 and older Hamid Hassanzadeh, M.D.
Proximal junctional screw pullout after long thoracolumbar posterior fusions for adult spinal surgery: when is revision required? Robert Waldrop, M.D.
The development of SOFI bone graft Alan Dang, M.D.
Circumferential minimally invasive thoracic to pelvis long spinal fusion in adult patients with spinal deformity Andrea Simmonds, M.D.
Questions/Discussion

3:30 Adjourn

6:30 p.m. Opening Dinner – Whales Terrace

Friday, June 19, 2015

6:30-7:00A.M. BREAKFAST / EXHIBITS

7:00-8:04 What Does the Future of Spinal Care Look Like
Moderator: Frank Phillips, M.D.
Bundled Payments and risk sharing Sigurd Berven, M.D.
How ACA is changing spine care Alex Vaccaro, M.D., Ph.D.
How do economics drive clinical decision-making? Richard Guyer, M.D.
Road map to re-start innovation in spine care Eric Muehlbauer, MJ, CAE
SI Fusion – Iluse Story W. Carlton Reckling, M.D.
Questions/Discussion

8:04-8:39 Biologics: What the Future Holds
Moderator: Harvinder Sandhu, M.D.
Cellular therapies for disc regeneration: Allogeneic Hyun Bae, M.D.
Cellular therapies for disc regeneration: Autogenous Wellington Hsu, M.D.
Regeneration and risk – Regulatory controversies on the point of care delivery of Autogenous cells Hyun Bae, M.D.
Questions/Discussion

8:39-9:07 Advances in Fusion - Innovations
Moderator: Harvinder Sandhu, M.D.
The effect of device surface and porosity on implant integration Frank Phillips, M.D.
Can nano-treated surfaces improve bone attachment and fusion? Jean-Jacques Abitbol, M.D.
Novel allograft processing method to improve osteoinductivity in clinical outcomes Wellington Hsu, M.D.
Questions/Discussion

9:07-9:50 What's New?
Moderator: Sigurd Berven, M.D.
What's new in spinal tumor management Matthew Colman, M.D.
Techniques for reducing surgical infection Safdar Khan, M.D.
Alphabet soup of spinopelvic parameters-making sense of acronyms - which ones really matter? Matthew Colman, M.D.
Fusion biologics: Evidence-based approach Harvinder Sandhu, M.D.
Questions/Discussion

9:50-10:05 BREAK / EXHIBITS

10:05-10:35 SI Joint: Evidence Based Diagnosis and Treatment
Moderator: Steve Garfin, M.D.
The SI joint as a Pain Generator: Diagnosis and surgical treatment John Swofford, D.O.
MIS SI Joint Fusion, Where are we Today? Review of Clinical Literature Bradley Duhon, M.D.
Questions/Discussion

10:35-10:57 Debate: Grade 2 Isthmic Spondylolisthesis in Adult
Moderator: Alex Vaccaro, M.D., Ph.D.
Posterior approach is adequate Harvinder Sandhu, M.D.
Requires anterior surgery Ali Araghi, D.O.
Questions/Discussion
10:57-11:20 Debate: Degenerative Spondylolisthesis
Moderator: Richard Fessler, M.D., Ph.D.
Does not always require fusion Ali Araghi, D.O.
Just fuse and be done Rick Sasso, M.D.
Questions/Discussion

11:20-11:46 New Frontiers in Spinal Diagnosis
Moderator: Stephen Hochschuler, M.D.
Advances in MR spectroscopy research for discogenic LBP Dr. Matthew Gornet, M.D.
Objective measurement of lumbar spine instability John Hipp, Ph.D.
Questions/Discussion

11:46-12:35 Innovative Technologies/Updates – I
Moderator: Hyun Bae, M.D.
Is there a need for annular closure and is there data to support its use? Interim RCT evidence at-a-glance Steve Garfin, M.D.
One-level versus two-level cervical disc arthroplasty Hyun Bae, M.D.
Novel techniques for SI joint fusion Ali Araghi, D.O.
Durability of lumbar decompression in the treatment of lumbar stenosis. Is open microsurgical decompression the gold standard for progressive lumbar spinal stenosis? Richard Guyer, M.D.
How robotics has changed my practice George Martin, M.D.
The use of an ultrasonic bone scalpel in the treatment of spinal deformity Gregory Mundis, M.D.
Questions/Discussion

12:35 Adjourn

Saturday, June 20, 2015

7:00-7:30 A.M.
BREAKFAST / EXHIBITS

7:30-8:00 MIS: What I’ve Learned and What the Future Holds
Moderator: Rick Sasso, M.D.
Richard Fessler, M.D., Ph.D. Gregory Mundis, M.D., Neel Anand, M.D.
Questions/Discussion

8:00-8:46 Innovative Technologies/Updates – II
Moderator: Ali Araghi, D.O.
Current trends in hemostasis and dural repair during spine surgery Jean-Jacques Abitbol, M.D.
Less invasive fixation in the setting of a direct decompression Christopher Chaput, M.D.
M6 Overview – An elastomeric disc with physiologic biomechanics Richard Guyer, M.D.
Indirect posterior cervical decompression and fusion using expandable facet joint implant for single level radiculopathy. Results in 53 patients at 2 years Bruce McCormack, M.D.
A novel 3D expandable TLIF interbody cage Sandeep Kunwar, M.D.
One-level versus two-level Cervical disc arthroplasty Hyun Bae, M.D.
Questions/Discussion

8:46-9:26 Spine Dilemmas
Moderator: Jean-Jacques Abitbol, M.D.
Symptomatic HNP in Contact Athletes: Return to play criteria Wellington Hsu, M.D.
Dural Tears: Strategies for management of complex tears and persistent/recurrent leaks Richard Fessler, M.D., Ph.D.
How to Treat Refractory LBP in the Real World Neil Badlani, M.D.
The Role of Epidural Injections in Future Spinal Care Mark Kurd, M.D.
New Technology: When and How Should I Adopt This in my Practice Stephen Hochschuler, M.D.
Questions/Discussion

9:26-9:45 BREAK / EXHIBITS

9:45-10:15 Case Based Lecture: Rod bending: Art or science?
Moderator: Neel Anand, M.D.
Use of computer generated intra-operative contoured rod Juan Uribe, M.D.
Use of a preoperative patient specific customized rod Gregory Mundis, M.D.
Old school manual intra-operative rod bending Donald Blaskiewicz, M.D.
Questions/Discussion

10:15-10:45 Research Presentations: The Future – Session II
Moderator: Alex Vaccaro, M.D.
Can orthopaedic surgeons be trained to accurately guage tapping insertional torque? Adam Bevevino, M.D.
Adult scoliosis deformity (ASD) surgery: comparison of 1 vs. 2 attending surgeon’s clinical outcomes Jaime Gomez, M.D.
A novel radiographic indicator of developmental cervical stenosis Phillip Horne, M.D.
Cervical kyphosis does not imply cervical deformity: predicting cervical curvature required for Horizontal gaze based on spinal global alignment and thoracic kyphosis Jonathan Oren, M.D.
Questions/Discussion
10:45-11:15  
**Research Presentations: The Future – Session III**  
*Moderator: Neel Anand, M.D.*

- Analysis of multifidus muscle atrophy after minimally invasive laminotomy  
  *Eric Sundberg, M.D.*
- The association between perioperative blood transfusion and infection rates following spine surgery  
  *Barrett Woods, M.D.*
- Analysis of sagittal profile after cMIS correction of adult scoliosis with a refined staged protocol  
  *Zeeshan Sardar, M.D.*
- Effect of anatomic variability and level of approach on perioperative vascular complications with anterior lumbar interbody fusion  
  *Ardalan Nourian, M.D.*

11:15  
Questions/Discussion

11:15  
Adjourn