Dear Attendees,

It is my pleasure to welcome you to the 12th Annual SOLAS® Meeting held for the first time in beautiful downtown Miami. As you know, our meetings have previously been held in San Diego, and it is our hope that this change of meeting venue signals a continued transformation toward our society becoming truly global and international.

SOLAS has continued to experience growth and transition from the beginning of 2018 through to today. During this meeting, we hope to share with you many of those milestones and successes, as well as what we have to look forward to in the coming years.

Under the direction of Dr. Ashish Diwan, our membership has continued to expand its reach internationally. SOLAS has had a presence at meetings from Europe, to Egypt and Southeast Asia. Our diverse membership is reflected in this global march towards the success and academic input that our society provides lateral approach surgery.

This year’s meeting co-chairs, Brian Kwon, MD, and Ron Lehman, MD, have developed an excellent program which includes many key opinion leaders and experts in the field. Through lectures and progressive academic presentations, the aim is to help lead the way in the field of lateral access surgery.

We hope you enjoy the meeting. If you are not yet a member, we encourage you to join our society and participate in its various committees, continue to submit abstracts, and attend invited lectures. We are in the process of expansion, not only within the society, but with our partnership program, membership education, and research activities. If you want to get involved in lateral surgery, this is the place to do it, and we’re happy that you’re joining us here in beautiful downtown Miami.

A special thank you to our members who continue to support this growing field, the Board of Directors for their vision and talent, and our corporate partners, who make it possible to fulfill the mission – Global Partner, NuVasive, and our Alliance Partners: Globus Medical, K2M, Medtronic, and Zimmer Biomet.

Sincerely,

William R. Taylor, MD
SOLAS President
FRIDAY | MAY 17, 2019

06:55 - 08:00 | Coral Gables
SOLAS Member Business Meeting

07:15 - 08:00 | Miami Ballroom
MORNING COFFEE

08:00 - 08:50 | Grand Ballroom
NEW TECHNOLOGIES AND TECHNIQUES
Moderator: Robert Isaacs, MD

08:05 - 08:09
INTRAOPERATIVE MONITORING OF THE LUMBAR PLEXUS DURING LATERAL LUMBAR INTERBODY FUSION (LLIF) VIA SAPHENOUS NERVE EVOKED POTENTIALS: A FEASIBILITY AND RELIABILITY SERIES
T. Smith1, B. Wallace1, A. Cannerez2, A. Loeza1, R. Doherty1, R. O'Brien1, R. Shnor1, R. Heath2, R. Snow1, H. Comstock1; 1San Francisco, CA/US, 2Carlsbad, CA/US

08:09 - 08:13
ANTERIOR LONGITUDINAL LIGAMENT RELEASE WITH ANTERIOR COLUMN REALIGNMENT FROM THE MINIMALLY INVASIVE OBLIQUE PREPSOAS APPROACH: TECHNICAL NOTE AND CASE SERIES
J. Januszewski1, J. Billing1, D. Datta1, R. Hynes1; 1Melbourne, FL/US

08:13 - 08:17
THE EFFECT OF RADIATION REDUCTION TECHNOLOGY ON FLUOROSCOPE RADIATION EMISSION DURING LUMBAR INTERBODY FUSION FOR DEGENERATIVE SPINAL CONDITIONS
B. Brady1, S. Hanin1; 1OK/US, 2Oklahoma City, OK/US

08:17 - 08:21
LONG TERM RESULTS OF MINIMALLY INVASIVE IN LINE POSTERIOR INFERIOR LLIF SPINE PHOS SCREW FIXATION FOR CMS CORRECTION OF ASD
N. Angadi1, E. Nomoto2, C. Kong3, M. McGinity3, B. Khandelhio3, S. Kathawathy3; 1Los Angeles, CA/US

08:21 - 08:25
Discussion

08:25 - 08:29
ACCURACY, RADIATION TIME, AND RADIATION EXPOSURE USING COMPUTER-ASSISTED INSTRUMENT NAVIGATION VS. CONVENTIONAL C-ARM FLUOROSCOPY FOR SURGICAL INSTRUMENTATION
T. Wang1, F. Hamouda1, M. Abd-El-Barr1, R. Isaacs1; 1Durham, NC/US

08:29 - 08:33
MINIMALLY INVASIVE MULTILEVEL OBLIQUE LUMBAR INTERBODY FUSION (OLIF): AN ANATOMICAL SINGLE POSITION APPROACH FOR CIRCUMFERENTIAL MIS CORRECTION OF ADULT SPINAL DEFORMITY (ASD)
N. Angadi1, E. Nomoto3, C. Kong3, B. Khandelhio3, S. Kathawathy3; 1CA/US, 2Los Angeles, CA/US

08:33 - 08:37
ONE-STEP DEBRIDEMENT VIA OLIF CORRIDOR COMBINED WITH POSTERIOR PEDICLE SCREW FIXATION IN TREATING LUMBAR PYOGENIC SPONDYLODYSICITIS
F. Zhao1; Hangzhou, CN

08:41 - 08:45
DOES ACR RESULT IN GREATER MORBIDITY THAN LLIF ALONE WHEN TREATING ADULT SPINAL DEFORMITY?

08:45 - 08:50
Discussion

08:50 - 08:54 | Grand Ballroom
MATERIAL TECHNOLOGIES SYMPOSIUM
Moderator: Dan Park, MD

08:50 - 09:02
Why All the Hass? A Debate - Titanium vs. PEEK
Robert Eastlack1, MD

09:02 - 09:14
Pores, What Are They Good For?
Stephen Ryu1, MD

09:14 - 09:26
Surface Tech Only Or 3-D Printing?
Sheeraz Qureshi, MD

09:26 - 09:38
What Should We Expect From New Cage Pores, What Are They Good For?

09:45 - 10:15 | Miami Ballroom
BREAK
360 powered by Surgical Intelligence

Presented by Brett Braly, MD and Brian Kwon, MD
Learn about the latest evolution in lateral surgery – X360. Hear from Dr. Brian Kwon & Dr. Brett Braly to understand the clinical utility, integration of technology, and value of Lateral Single-Position Surgery.
**COMPLICATIONS Symposium**
Moderator: Brian Kwon, MD

**08:40 - 08:52**
**XLIF SUBSIDENCE**
J. Uribe, Phoenix, US

**08:52 - 09:00**
**Discussion**

**09:00 - 10:00**
**Grand Ballroom**

**09:00 - 09:12**
Neurological Motor/Sensory and Hip/Thigh Pain
Chris Brown, MD

**09:12 - 09:24**
Fusion/Subsidence
Neel Anand, MD

**09:24 - 09:36**
Legal/Malpractice Rannifications of Lateral Surgery
Jim Rousset, MD

**09:36 - 09:48**
Major Technical Complications During and After LLIF
William Smith, MD

**09:48 - 10:00**
**Discussion**

**10:00 - 10:30**
**Miami Ballroom**

**10:30 - 11:30**
**Grand Ballroom**

**10:30 - 10:34**
Radiographic Assessment of Indirect Decompression of Spinal Canal With Oblique Lateral Interbody Fusion (OLIF)
S. Keem, WA/US

**10:34 - 10:38**
Clinical Result of Minimally Invasive Approach for Lumber Fixation Using XLIF with CBT Screw
S. Obata, T. Kawabata, Toyokawa, JP

**10:38 - 10:42**
Reduction in Foraminal Height After Lateral Access Surgery Does Not Affect Quality of Life. A Two Year Outcome
J. Goti, L. Liu, S. Xu, M. Ling, R. Sotb, C.M. Guo; *SG, Singapore, SG*

**10:42 - 10:46**
Expandable LLIF Cages Help Achieve Radiographic Alignment Goals; A Comparison with LLIF

**10:46 - 10:50**
**Discussion**

**10:50 - 10:54**
Is There a Difference in Early Outcomes Between Stand-Alone Lateral Lumber Interbody Fusions Versus Lateral Lumber Interbody Fusions With Posterior Supplemenal Fixation?

**10:54 - 10:58**
Reduction of Spondyloolisthesis Using Static Versus Expandable Cages: A Preliminary Evaluation of Radiographic Data
L. Larsford, Charlotte, NC/US

**10:58 - 11:02**
GIVE ME A BREAK; FLEXING THE TABLE FOR LLIF

**11:02 - 11:06**
Short- to Medium-Term Follow-Up of Lateral Lumber Interbody Fusion as a Treatment for Adjacent Segment Disease
A. Heiner, J. Rousset, D. Ondroft, J. Hill; Durango, CO/US

**11:06 - 11:10**
**Discussion**

**11:10 - 11:14**
Clinical Implications of Lateral Access to the Concavity Side for Adult Spinal Deformity

**11:14 - 11:18**
Laterally Placed Expandable Interbody Spacers With Adjustable Lordosis Improve Radiographic and Clinical Outcomes: A Two-Year Follow-Up Study
Y. Li, J. Huang, J. Towner, Y. Li, J. Riggelman, C. Lefflon; Rochester, NY, US, Shanghai, CH

**11:18 - 11:22**
Comparative Effectiveness of Expandable Versus Static Lateral Lumbar Interbody Fusion Devices: Two Year Clinical and Radiographic Outcomes
S. Fischl, T. Shirk, J. Riggelman, C. Lefflon; Mt Pleasant, SC/US, Audiobon, PA/US

**11:22 - 11:26**
Patient Repositioning Intraoperatively Increases Segmental Lordosis and Disc Height After Initial Expansion Using a Lateral Lumber Expandable Interbody Spacer

**11:26 - 11:30**
**Discussion**

**11:30 - 11:40**
**Grand Ballroom**

**11:30 - 11:33**
The Cost-Effectiveness of Vancomycin Powder in Lateral Lumbar Interbody Fusion
G. Kirchner, Y. Kerbel, A. Sunkemem, A. Lieber, V. Moretti, A. Trachtenberg; PA/US, Philadelphia, PA/US

**11:33 - 11:36**
Costs Associated With a 90-Day Episode of Care Following a Single-Level Anterior Lateral Lumbar Interbody Fusion (ALIF)
A. Mack, S. Khan, J. Kim, E. Yu; OH/US, Columbus, OH/US

**11:36 - 11:40**
**Discussion**

**11:40 - 11:55**
**Grand Ballroom**

**11:40 - 11:54**
VALUE ECONOMICS SYMPOSIUM
Moderator: Stephen Ryu, MD

**11:44 - 11:47**
What Should My Hospital Buy Next? Guidelines for the Acquisition and Application of Imaging, Navigation, and Robotics in Spine Surgery
Greg Malham, MD

**11:47 - 11:54**
**Discussion**
SOLAS Funded Research Updates

08:10 - 08:20   |   Grand Ballroom
08:00 - 08:10   | Grand Ballroom

COMPLICATIONS SYMPOSIUM
Moderator: Brian Kwon, MD
09:00 - 10:00   | Grand Ballroom

08:48 - 08:52  
XLF SUBSIDENCE
J. Uribe, Phoenix/US
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10:00 - 10:30   | Miami Ballroom
BREAK

10:30 - 11:30   | Grand Ballroom
DEGENERATIVE
Moderator: Brian Kwon, MD
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RADIOGRAPHIC ASSESSMENT OF INDIRECT DECOMPRESSION OF SPINAL CANAL WITH OBLIQUE LATERAL INTERBODY FUSION (OLIF)
S. Keem, WA/US
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CLINICAL RESULT OF MINIMALLY INVASIVE APPROACH FOR LUMBAR FUSION USING XLF WITH CBT SCREW
S. Osuka, T. Kawabata, Toyokawa, JP
10:38 - 10:42  
REDUCTION IN FORAMINAL HEIGHT AFTER LATERAL ACCESS SURGERY DOES NOT AFFECT QUALITY OF LIFE. A TWO YEAR OUTCOME STUDY ON EXTREME LATERAL INTER-BODY FUSION
J. Goh, J. Kim
10:42 - 10:46  
EXPANDABLE TLIF CAGES HELP ACHIEVE RADIOGRAPHIC ALIGNMENT GOALS; A COMPARISON WITH LLIF
10:46 - 10:50  
Discussion
10:50 - 10:54  
IS THERE A DIFFERENCE IN EARLY OUTCOMES BETWEEN STAND-ALONE LATERAL LUMBAR INTERBODY FUSIONS VERSUS LATERAL LUMBAR INTERBODY FUSIONS WITH POSTERIOR SUPPLEMENTAL FIXATION?
10:54 - 10:58  
REDUCTION OF SPONDYLOLISTHES USING STATISTICAL VERSUS EXPANDABLE CAGES: A PRELIMINARY EVALUATION OF RADIOGRAPHIC DATA
T. Kastferr, Charlotte, NC/US
10:58 - 11:02  
GIVE ME A BREAK; FLEXING THE TABLE FOR LIF
11:02 - 11:06  
SHORT- TO MEDIUM-TERM FOLLOW-UP OF LATERAL LUMBAR INTERBODY FUSION AS A TREATMENT FOR ADJACENT SEGMENT DISEASE
A. Heiner, J. Rusegli, D. Dordoff, J. Hill; Durango, CO/US
11:06 - 11:10  
Discussion
11:10 - 11:14  
CLINICAL IMPLICATIONS OF LATERAL ACCESS TO THE CONCAVITY SIDE FOR ADULT SPINAL DEFORMITY
11:14 - 11:18  
LATERALLY PLACED EXPANDABLE INTERBODY SPACERS WITH ADJUSTABLE LORDOSIS IMPROVE RADIOGRAPHIC AND CLINICAL OUTCOMES: A TWO-YEAR FOLLOW-UP STUDY
11:18 - 11:22  
COMPARATIVE EFFECTIVENESS OF EXPANDABLE VERSUS STATIC LATERAL LUMBAR INTERBODY FUSION DEVICES: TWO YEAR CLINICAL AND RADIOGRAPHIC OUTCOMES
11:22 - 11:26  
PATIENT REPOSITIONING INTRAOPERATIVELY INCREASES SEGMENTAL LORDOSIS AND DISC HEIGHT AFTER INITIAL EXPANSION USING A LATERAL LUMBAR EXPANSIBLE INTERBODY SPACER
11:26 - 11:30  
Discussion
11:30 - 11:40   | Grand Ballroom
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Moderator: Stephen Ryu, MD
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COSTS ASSOCIATED WITH A 90-DAY EPISODE OF CARE FOLLOWING A SINGLE-LEVEL ANTERIOR LUMBAR INTERBODY FUSION (ALIF)
A. Man, S. Khan, J. Kim, E. Yu, OH/US, Columbus, OH/US
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11:40 - 11:55   | Grand Ballroom
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WHAT SHOULD MY HOSPITAL BUY NEXT? GUIDELINES FOR THE ACQUISITION AND APPLICATION OF IMAGING, NAVIGATION AND ROBOTICS IN SPIINE SURGERY
Greg Malinian, MD
11:47 - 11:54  
Discussion