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Dear Colleagues,

On behalf of the entire faculty and our sponsors, we are thrilled to welcome you to the 2019 Orthopaedic Summit: Evolving Techniques, held at The Bellagio Hotel in Las Vegas, Nevada.

We look forward to an exciting, education-filled week! The three and a half days you spend with us will include countless educational opportunities including lunchtime and dinner symposia, rapid-fire debates, diverse international perspectives, cutting edge lectures, case-based panel discussions, and Spotlight Sessions on the latest techniques in Arthroplasty and Arthroscopy for Knee, Hip, Shoulder, Foot & Ankle, Hand, Wrist & Elbow, Sports Medicine, Spine and Trauma to give you the latest advantage in patient care.

Don’t Miss Opportunities Include:

- VIP Welcome Reception and Registration Sponsored by Flexion; Tuesday, December 10, 4:30-8:00pm
- Arthrex Fireside Chat with the Masters Wednesday, December 11, 6:00-7:00pm
- Lunch & Dinner Spotlights Make your selection at the Registration Desk or Online if you have not already done so. Sign Up Is Required to enjoy lunch and dinner.
- 4 Live Surgeries
- Cadaver Labs – Advanced Registration Required
- 5th Annual Stryker Fellow, Resident & Medical Student Summit

The Orthopaedic Summit 2019 will give you the opportunity to build relationships with our internationally renowned faculty as well as your physician colleagues, fellows, residents, physician assistants, nurse practitioners, athletic trainers, physical therapists, and occupational therapists from across the globe. We wholeheartedly believe we are changing the way education is delivered. Our hope is that you will take what you learn in the next three and a half days and share it across the globe and most importantly with your patients.

Mobile Content – Download the OSET app on your smartphone from the iTunes App Store for iOS devices and the Google Play Store for Android devices. Just search Ortho Summit. View the complete agenda and faculty, learn about our many sponsors and exhibitors, interact with all of your colleagues in attendance and more!

We Value Your Feedback! You are the most important part of this process. The Orthopaedic Summit values your input in creating this premier event. To this end, we ask that you complete the online Course Evaluation following the course. The online Evaluation is required to receive your CME/CEU/CCU Certificate and will provide the course chairs with valuable feedback to help us bring you an even better program in 2019. Please be honest – we appreciate your opinion!

Finally, we would like to say THANK YOU! Thank you for taking time away from your family and your practice during this busy holiday season. Your passion for improving patient care is why we are here to celebrate, and we thank you for spending the week with us.

All the best for a happy and healthy holiday season!

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6:50 Welcome & Introduction

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Jae Chul Yoo, MD, PhD

6:55 ROTATOR CUFF

Moderators: Larry D. Field, MD
Claude T. Moorman, III, MD

Timekeepers: Stephen F. Brockmeier, MD
Anand M. Murthi, MD

Computer: Mark Getelman, MD

6:55 52-Year-Old Female Tennis Player 10 Years With A Small, Non-Retracted Rotator Cuff - Nobody's Touching Me: Predictors Of Success Or Failure
John E. (Jed) Kuhn, MD, MS

7:03 Panel: 38-Year-Old Racquetball Player With A Painful, Partial Thickness, Articular-Sided Rotator Cuff Tear
Panel Moderator: Stephen F. Brockmeier, MD

7:03 Pro: In Situ Repair: Keep What You Have: The Literature And My Experience Has Proven It!
Spero G. Karas, MD

7:10 Pro: Biologic Augment Repair: Don’t You Dare Touch It, Treat The Bursal Side - Say What?!?
Richard K. Ryu, MD

7:17 Pro: Take Down & Repair With Anchors & Scaffold: Old Ways Are The Best Ways
Joseph A. Abboud, MD

7:24 Honored Professor Commentary: I Have Tried It All, My Thoughts
Felix H. “Buddy” Savoie, III, MD

7:27 Debate: 56-Year-Old Electrician With A High-Grade, Partial Thickness, Bursal-Sided Rotator Cuff Tear
Debate Moderator: Theodore F. Schlegel, MD

7:27 Pro: Time To Read The Literature, Fix It And Don’t Do An Acromioplasty: Watch Me!
Claude T. Moorman, III, MD

7:33 Pro: Step Back & Watch Years Of Experience & Outcomes: Do The Acromioplasty Foolish Southerner!
Michell Ruiz-Suarez, MD, PhD

7:39 Honored Professor Lecture: MRI Of The Shoulder: Understanding Rotator Cuff, Fat Atrophy & Helping You Predict Success
Hollis G. Potter, MD

7:54 Debate: 63-Year-Old Female Cyclist With An Acute, Retracted, Large, 2-Tendon Rotator Cuff Tear After A Bike Crash
Debate Moderator: Alan S. Curtis, MD

7:54 Pro: Fix It Now: Why Make Your Job Hard, It Is Only Going To Get Worse
Anand M. Murthi, MD

8:00 Pro: Rehab This Shoulder, You Have No Idea What You Are Talking About - Nothing Gained By Operating Now
Bradford O. Parsons, MD

8:06 Honored Professor Commentary: My Thoughts Of This Predicament
Stephen S. Burkhart, MD

8:09 Evolving Technique Update: 2019 Update: Biologics, Stem Cells, Growth Factors For Rotator Cuff Tears: Does It Make Any Sense - Fact Or Fiction
Asheesh Bedi, MD

8:14 Panel: 53-Year Old Male Skier With A Garage Sale Fall 4 Years Ago With A Massive Irreparable Superior Rotator Cuff Tear
Panel Moderator: Larry D. Field, MD

8:14 Pro: Superior Capsular Reconstruction: The New Kid On The Block - Step-By-Step
Brian J. Cole, MD, MBA

8:21 Pro: Slow Down, No SCR Yet! Fix What You Can, Incorporate The Biceps, Get Out, You’d Be Amazed How Good They Do
Michael T. Freehill, MD

8:28 Pro: Forget The Lat Transfer! Time To Show You The Lower Trapezius Transfer, Razzle Dazzle
Dan Guttmann, MD

8:35 Pro: Go With The Rest Of The World, Stay Simple, Fly With A Balloon
Joseph A. Abboud, MD

8:42 Honored Professor Lecture: Rotator Cuff Repairs: What I Knew, What I Know & What I Have Learned
Stephen S. Burkhart, MD

8:57 Subscapularis Repairs

Moderator: Bradford O. Parsons, MD

Timekeepers: Stephen F. Brockmeier, MD
Anand M. Murthi, MD

Computer: Mark Getelman, MD

8:57 Evolving Technique Update: Arthroscopic Subscap Repair: 5 Steps, 5 Minutes - We All Need To Know How
Brian J. Cole, MD, MBA

9:02 Evolving Technique Update: When I Convert From Arthroscopic To Open Subscap Repairs: Why & How
Stephen C. Weber, MD
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Panelists/Details</th>
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</thead>
<tbody>
<tr>
<td>9:35</td>
<td>BREAK &amp; VISIT EXHIBITS</td>
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<tr>
<td>10:07</td>
<td>The Modern Frontier: New Considerations in Rotator Cuff Surgery</td>
<td>Moderator: Alan S. Curtis, MD Timekeepers: Asheesh Bedi, MD Michael T. Freehill, MD Computer: Larry D. Field, MD</td>
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<tr>
<td>10:29</td>
<td>Evolving Technique: My Rep Told Me, Metal, No Biocomposite, No PEEK: Does It Matter What We Use In The Shoulder?</td>
<td>Asheesh Bedi, MD</td>
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<tr>
<td>10:36</td>
<td>Large &amp; Massive Rotator Cuff Tears: Tips &amp; Tricks From The Asian Continent - My Thoughts</td>
<td>Jae Chul Yoo, MD, PhD</td>
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<tr>
<td>11:07</td>
<td>Complications in Rotator Cuff Surgery</td>
<td>Moderator: Don Buford, MD Timekeepers: Asheesh Bedi, MD Michael T. Freehill, MD Computer: Larry D. Field, MD</td>
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<td>10:44</td>
<td>Propionibacterium Acnes: Benzoi Peroxide - Avoiding The Postop Infection After Rotator Cuff Repairs Everything You Need To Know In 2019</td>
<td>Mark D. Lazarus, MD</td>
</tr>
<tr>
<td>11:00</td>
<td>Evolving Technique: My Acromioplasty &amp; Shoulder Work Just Became Easy - Let Me Show You Why</td>
<td>Joseph P. Donahue, MD</td>
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<td>11:07</td>
<td>Evolving Technique: The 43-Year-Old Painter 5 Months Status Post Healed, Non-Infected Rotator Cuff Repair With Great Motion That Can’t Sleep And Has Pain: I Thought I Was Good, I Am Going To Help You Diagnose The Problem</td>
<td>Robert Z. Tashjian, MD</td>
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<tr>
<td>11:14</td>
<td>Evolving Technique Update: Can’t Lift My Arm, It Is Just Like Before: Failure Of The Cuff To Heal - Sage Advice For The Second Time, Managing Expectations - My Tricks</td>
<td>Larry D. Field, MD</td>
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<td>11:22</td>
<td>Rotator Cuff Repairs: The Pro Vs. Recreational Athlete - Avoiding Complications, Why I Might Do Less</td>
<td>Neal S. ElAttrache, MD</td>
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<td>11:30</td>
<td>Mini-Debate: 47-Year-Old Female Fell On Ice 4 Months Ago With An 8-mm Full Thickness Rotator Cuff Tear And No Motion</td>
<td>Mini-Debate Moderator: Claude T. Moorman, III, MD 11:30 Pro: Inject Subacromial Space/Intraarticular: Deciding Which One, Sending Her To Rehab, She May Be Just Fine Sean McMillan, DO, FAOAO 11:35 Pro: Forget The Injection, Time For The Capsular Release, Careful Manipulation &amp; A Rotator Cuff Repair Alan S. Curtis, MD</td>
</tr>
<tr>
<td>11:40</td>
<td>Case Presentations With Questions &amp; Answers: Time To Be Honest! Complications I Have Seen, Been Involved &amp; Need To Share - Part I Case Panel Moderators: Claude T. Moorman, III, MD Richard K.N. Ryu, MD Case Panel: Brian J. Cole, MD, MBA Alan S. Curtis, MD Larry D. Field, MD Rachel M. Frank, MD Joseph P. Iannotti, MD, PhD Eric C. McCarty, MD Felix H. “Buddy” Savoie, III, MD Scott P. Steinmann, MD Stephen C. Weber, MD Jae Chul Yoo, MD, PhD</td>
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<tr>
<td>12:00</td>
<td>Lunch Served - All Invited</td>
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<tr>
<td>12:15</td>
<td>Lunch Symposium I Global Management Of Massive And Irreparable Rotator Cuff Disease: Repair Or Reconstruction And Application Of Non-Opioid Pain Control</td>
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<td>1:00</td>
<td>Lunch Symposium II Innovations in Minimally-Invasive Sports Medicine Trauma</td>
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<td>1:45</td>
<td>Dessert &amp; Visit The Exhibits</td>
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SHOULDER SPORTS MEDICINE • BELLAGIO BALLROOMS 2, 3, 4, 6, 7

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<tr>
<th>Time</th>
<th>Event Description</th>
<th>Moderator/Presenter</th>
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<tbody>
<tr>
<td>2:15</td>
<td>SLAPS, BICEPS, STILL CONFUSED? LET'S CLEAR IT UP!</td>
<td>Moderator: Spero G. Karas, MD&lt;br&gt;Timekeepers: Alan S. Curtis, MD&lt;br&gt;Ivan H. Wong, MD&lt;br&gt;Computer: Claude T. Moorman, III, MD</td>
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<tr>
<td>2:27</td>
<td>ANTERIOR INSTABILITY: WHY CAN’T WE ALL AGREE? ISN’T IT TIME?</td>
<td>Moderators: Jae Chul Yoo, MD, PhD&lt;br&gt;Stephen C. Weber, MD&lt;br&gt;Timekeepers: Alan S. Curtis, MD&lt;br&gt;Ivan H. Wong, MD&lt;br&gt;Computer: Claude T. Moorman, III, MD</td>
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<tr>
<td>2:55</td>
<td>Mini-Honored Professor Lecture: Knowing How To Do A Procedure Correctly</td>
<td>Stephen S. Burkhart, MD</td>
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<td>3:27</td>
<td>Evolving Technique Update: Arthroscopic Technique Update: I Can Salvage Bony Bankart Fragments And Get Them To Heal - 5 Steps, 5 Minutes</td>
<td>Spero G. Karas, MD</td>
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<tr>
<td>3:32</td>
<td>Evolving Technique: The Arthroscopic Latarjet: Always Getting Better, Making Sure To Be Safe, Don’t Discount It</td>
<td>Ivan H. Wong, MD</td>
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<td>4:00</td>
<td>Mini-Lecture: The Latarjet Failed: He’s Only 27-Years-Old - This Is Terrible, What Do I Do? Understanding The Bail Out</td>
<td>Mark D. Lazarus, MD</td>
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<td>4:00</td>
<td>COMPLICATIONS IN SHOULDER INSTABILITY SURGERY</td>
<td>Moderator: Stephen C. Weber, MD&lt;br&gt;Timekeepers: Joseph A. Abboud, MD&lt;br&gt;Rachel M. Frank, MD&lt;br&gt;Computer: John E. “Jed” Kuhn, MD</td>
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<tr>
<td>4:00</td>
<td>Honored Professor Lecture: The Failed Bankart Repair: Options For Stabilization</td>
<td>Felix H. “Buddy” Savoie, III, MD</td>
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<td>4:05</td>
<td>Evolving Technique Update: 18-Year-Old Defensive Lineman With A Posterior Labral Tear: 5 Minutes, 5 Steps In The Beach Chair Position - Don’t Be Afraid</td>
<td>Mark D. Lazarus, MD</td>
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<td>4:35</td>
<td>Evolving Technique Update: 18-Year-Old Defensive Lineman With A Posterior Labral Tear: 5 Minutes, 5 Steps In The Lateral Decubitus Position - Don’t Be Afraid</td>
<td>Mark Getelman, MD</td>
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<tr>
<td>4:39</td>
<td>POSTERIOR INSTABILITY: UNDERSTANDING HOW TO REPAIR</td>
<td>Moderator: Mark Getelman, MD&lt;br&gt;Timekeepers: Joseph A. Abboud, MD&lt;br&gt;Rachel M. Frank, MD&lt;br&gt;Computer: John E. “Jed” Kuhn, MD</td>
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<td>Felix H. “Buddy” Savoie, III, MD</td>
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<td>4:50</td>
<td>Mini-Lecture: The Latarjet Bone Is Disappearing: Do I Need To Worry? What Am I Thinking?</td>
<td>Stephen C. Weber, MD</td>
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<td>5:00</td>
<td>Mini-Lecture: The Latarjet Failed: He’s Only 27-Years-Old - This Is Terrible, What Do I Do? Understanding The Bail Out</td>
<td>Mark D. Lazarus, MD</td>
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WEDNESDAY, DECEMBER 11, 2019 | CONCURRENT SESSION

SHOULDER SPORTS MEDICINE • BELLAGIO BALLROOMS 2, 3, 4, 6, 7

5:07 Case Presentations With Questions & Answers: Understanding The Role Of Scapular Dyskinesia With Clinical Case Discussion
Case Panel Moderator: W. Benjamin Kibler, MD
Case Panel: Joseph A. Abboud, MD
Stephen F. Brockmeier, MD
Dan Guttmann, MD
John E. “Jed” Kuhn, MD
Mark D. Lazarus, MD
Anand M. Murthi, MD
Bradford O. Parsons, MD
Felix H. “Buddy” Savoie, III, MD
Stephen C. Weber, MD

5:22 37-Year-Old Former Weight Lifter In A MVA With Injury To The Lower Trapezius & Rhomboids, Diagnosing And Treating Scapular Muscle Detachment
W. Benjamin Kibler, MD

5:30 Rapid Fire Presentations: Instability & Potpourri & Complications - Time To Be Honest, More Sharing - Part II
Case Panel Moderators: Larry D. Field, MD Richard K. Ryu, MD
Case Panel: Joseph A. Abboud, MD
Stephen S. Burkhart, MD
Alan S. Curtis, MD
Neal S. ElAttrache, MD
John E. “Jed” Kuhn, MD
Anthony Miniaci, MD
Claude T. Moorman, III, MD
Felix H. “Buddy” Savoie, III, MD
Gerald R. Williams, Jr., MD

6:00 End of CME Educational Program

Don’t Miss - Special Presentation
6:00 - 7:00 Dinner Non-CME Spotlight Session - All Invited
Surgical Pearls Exposed: Fireside Chat With The Masters
Supported by Arthrex
Room: Bellagio Ballroom 5
Faculty: Stephen S. Burkhart, MD
Brian J. Cole, MD, MBA
Neal S. ElAttrache, MD
For A Full Description, Please See Page 59.

TEXT YOUR QUESTION TO THE MODERATOR
Get Real Answers From The Faculty!

BELLAGIO BALLROOM
Shoulder Sports/Knee Arthroplasty
Knee Sports/Knee Arthroplasty
702-996-3911

GRAND BALLROOM 3
Bellagio 1
Hip Arthroplasty, Shoulder Sports, Shoulder Arthroplasty, Hip Sports/Trauma
702-996-3699

MONET 3/BELLAGIO 5
Hand, Wrist & Elbow/Spine
702-996-3766

MONET 4 TRAUMA
702-996-3888

HIP ARTHROPLASTY • GRAND BALLROOM 3

6:55 Welcome & Introduction
Founder
Kevin D. Plancher, MD, MPH

Hip Arthroplasty Co-Chairs
Michael P. Ast, MD
Matthew S. Hepinstall, MD
Scott M. Sporer, MD

Honored Professors
Thomas K. Fehring, MD
Arlen D. Hansen, MD
Hollis G. Potter, MD

7:00 ARTHROPLASTY AFTER FRACTURE CAN I MAKE THIS EASY?
Session Moderator: Matthew S. Hepinstall, MD
Timekeepers: H. John Cooper, MD
Jeffrey A. Geller, MD
Computer: Michael Bolognesi, MD

7:00 Debate: 63-Year-Old Male Status Post 4 Years Ago Fall Off His Bicycle
Debate Moderator: William A. Jiranek, MD
7:00 Pro: Displaced Femoral Neck Fracture: Do The Direct Anterior Approach With A Hybrid Total Hip Arthroplasty
H. John Cooper, MD
7:06 Pro: Slow Down Joint Guy! A Posterior Approach With A Cementless Hemiarthroplasty Works Great For A Displaced Femoral Neck Fracture
Amar S. Ranwat, MD

7:12 Total Hip Arthroplasty Conversion From Failed Fracture Fixation: Understanding Which Patients Will Be Easy To Fix, Which Will Be Hard - 8 Clues, 8 Minutes
Antonia F. Chen, MD, MBA

7:20 The Conversion Of An IT Fracture To A Total Hip Arthroplasty: Should We Convince The Trauma Docs To Avoid Nailing & Go Back To The Sliding Hip Screw
Theodore T. Manson, MD

7:28 Panel: Approaches In Primary Hip Arthroplasty
Panel Moderator: Scott M. Sporer, MD
7:28 Pro: The Anterior-Based Muscle-Sparing Total Hip Arthroplasty: The Lonely Sister - Jump On Board!
Jeffrey A. Geller, MD
7:35 Pro: The Superior Approach For Total Hip Arthroplasty: The View Is Better From Up Here!
Jimmy Chow, MD
Peter K. Sculco, MD

Don’t Miss - Special Presentation
6:00 - 7:00 Dinner Non-CME Spotlight Session - All Invited
Surgical Pearls Exposed: Fireside Chat With The Masters
Supported by Arthrex
Room: Bellagio Ballroom 5
Faculty: Stephen S. Burkhart, MD
Brian J. Cole, MD, MBA
Neal S. ElAttrache, MD
For A Full Description, Please See Page 59.

Do you use the 70 degree arthroscope when trying to determine how much bone loss has occurred? Is it helpful?
Richard H.

TEXT YOUR QUESTION TO THE MODERATOR
Get Real Answers From The Faculty!

BELLAGIO BALLROOM
Shoulder Sports/Knee Arthroplasty
Knee Sports/Knee Arthroplasty
702-996-3911

GRAND BALLROOM 3
Bellagio 1
Hip Arthroplasty, Shoulder Sports, Shoulder Arthroplasty, Hip Sports/Trauma
702-996-3699

MONET 3/BELLAGIO 5
Hand, Wrist & Elbow/Spine
702-996-3766

MONET 4 TRAUMA
702-996-3888
### 7:49 FEMORAL FIXATION IN PRIMARY TOTAL HIP ARTHROPLASTY FOR THE GENERAL ORTHOPAEDIST
**Moderator:** Jeffrey A. Geller, MD  
**Timekeepers:** H. John Cooper, MD, Jeffrey A. Geller, MD  
**Computer:** Michael Bolognesi, MD

#### 7:49 Evolving Technique: Microplasty Stems: Need To Understand Who You Use Them In & How To Get The Results
Stefan W. Kreuzer, MD, MSc

#### 7:56 Evolving Technique: Cementless Fixation: Choosing The Stem With A Direct Anterior Approach
John M. Keggi, MD

#### 8:03 Evolving Technique: Cemented Stems: We’re Back! How To Use & Succeed
Matthew S. Hepinstall, MD

#### 8:10 Evolving Technique: Collared Cementless Stems: Bill Harris Taught Us Years Ago, Enhanced Stability Without Cement
Hari Kiran Parvataneni, MD

#### 8:17 Evolving Technique: Resurfacing: Didn’t You Listen Last Year? You All Still Don’t Get It!
Thomas P. Gross, MD

#### 8:24 Debate: 69-Year-Old Former Professional Tango Dancer Requesting Anterior Total Hip Replacement
**Debate Moderator:** Michael Bolognesi, MD
**8:24 Pro:** Set Up On The Table: Fewer Releases, Fewer Assistants, Better Results - Don’t Worry!
Stefan W. Kreuzer, MD, MSc  
**8:30 Pro:** Are You Crazy?!? Off The Table, Control Leg Length & Stability And No Ankle Fractures!
John M. Keggi, MD

#### 8:36 Debate: The Metal-On-Metal Debate Is Surgeon Related Not The Bearing
**Debate Moderator:** Joseph T. Moskal, MD
**8:36 Pro:** I Have Confidence In Metal-On-Metal Bearings - Surgical Judgement & Skill Are Paramount
Thomas P. Gross, MD  
**8:42 Pro:** I Have No Confidence In Metal-On-Metal Bearings - It Doesn’t Matter Who You Are
Thomas G. Sampson, MD

Hollis G. Potter, MD

### 9:03 Case Presentations With Rapid Fire Answers: Who Will Be The Last Doctor Standing?
**Case Panel Moderators:** David J. Mayman, MD, Scott M. Sporer, MD  
**Case Panel:** Antonia F. Chen, MD, MBA  
Jimmy Chow, MD  
H. John Cooper, MD  
Mike Cross, MD  
Thomas K. Fehring, MD  
Jeffrey A. Geller, MD  
Thomas P. Gross, MD  
Matthew S. Hepinstall, MD  
John M. Keggi, MD  
Stefan W. Kreuzer, MD, MSc  
Joseph T. Moskal, MD

### 9:35 BREAK & VISIT THE EXHIBITS

### 10:15 STAYING OUT OF TROUBLE IN PRIMARY TOTAL HIP
**Moderator:** Gwo-Chin Lee, MD  
**Timekeepers:** Matthew S. Hepinstall, MD, Peter K. Sculco, MD  
**Computer:** William A. Jiranek, MD

#### 10:15 Evolving Technique Update: The Robot & I Don’t Agree: Now What Do I Do
Matthew S. Hepinstall, MD

#### 10:20 Evolving Technique Update: The Complex Primary Femur: How To Know Ahead Of Time Things Won’t Work Out
Michael Bolognesi, MD

Scott M. Sporer, MD

#### 10:30 All The New Technology, When To Say No, When To Say Yes - My Thoughts
William A. Jiranek, MD

#### 10:38 Case Presentations With Questions & Answers: Why Is This Case Going To Be Hard? Recognize Them Early!
**Case Panel Moderators:** Michael Bolognesi, MD, Matthew S. Hepinstall, MD  
**Case Panel:** Michael P. Ast, MD  
Antonia F. Chen, MD, MBA  
Michael B. Cross, MD  
Arlen D. Hanssen, MD  
William A. Jiranek, MD  
Gwo-Chin Lee, MD  
David J. Mayman, MD  
Amar S. Ranawat, MD  
Scott M. Sporer, MD

### 11:08 LIVE SURGERY
**CEMENTLESS TOTAL KNEE ARTHROPLASTY**  
**Surgery Moderator:** Scott M. Sporer, MD, Michael Bolognesi, MD  
**Surgeon:** R. Michael Meneghini, MD
**WEDNESDAY, DECEMBER 11, 2019 | CONCURRENT SESSION**

**HIP ARTHROPLASTY • GRAND BALLROOM 3**

<table>
<thead>
<tr>
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</table>
Timekeepers: Matthew S. Hepinstall, MD  
Peter K. Sculco, MD  
Computer: William A. Jiranek, MD |  |
| 11:38 | Evolving Technique Update: The Painful Total Hip Arthroplasty: I Thought I Did It Right - How To Evaluate & Fix The Problem | Hari Kiran Parvataneni, MD |  |
| 11:43 | Evolving Technique Update: Metallosis, Trunnionosis: How To Diagnose, How To Manage, How To Look Good | H. John Cooper, MD |  |
| 11:48 | Evolving Technique Update: Removal Of The Well Fixed Recalled And/Or Infected Femoral Stem | Michael B. Cross, MD |  |
| 11:53 | Evolving Technique Update: Periprosthetic Fractures: So Many Types, But So Simple - Let Me Solve It For You | Michael Bolognesi, MD |  |
| 11:58 | Commentary | Arlen D. Hanssen, MD |  |
| 12:00 | Lunch Served | |  |
| 12:15 | Lunch Symposium I - Global Management Of Massive And Irreparable Rotator Cuff Disease: Repair Or Reconstruction And Application Of Non-Opioid Pain Control |  |  |
| 12:15 | Lunch Symposium II - Innovations in Minimally-Invasive Sports Medicine Trauma |  |  |
| 12:45 | Dessert & Visit The Exhibits |  |  |
| 2:15 | The Primary Hip and On the Complications | Moderator: Michael Bolognesi, MD  
Timekeepers: Antonia F. Chen, MD, MBA  
Gwo-Chin Lee, MD  
Computer: Scott M. Sporer, MD |  |
| 2:15 | Panel: 58-Year-Old Hedge Fund Owner Needs His First Total Hip | Panel Moderator: Jimmy Chow, MD  
2:15  | Pro: Ceramic-On-Highly Cross-Linked Poly: Here Is The Answer And Why  
H. John Cooper, MD  
2:22  | Pro: Ceramic-On-Ceramic Is Back And Better: Stop Worrying  
John M. Keggi, MD  
2:29  | Pro: You Are All Wrong! Dual Mobility Gives Stability - It Is Perfect For the Patient  
Scott M. Sporer, MD  
2:36  | Honored Professor Lecture: Prevention & Treatment Of Hip Instability: 2019  
Arlen D. Hanssen, MD |  |
| 2:51 | Debate: 63-Year-Old Former Tennis Professional With A Third Time Dislocated Hip, Weak Abductors, Trunnion Problems | Debate Moderator: Michael P. Ast, MD  
2:51  | Pro: All You Need To Do Is Put In A Constrained Liner, Silly  
Gwo-Chin Lee, MD  
2:57  | Pro: The Answer Is Simple, Wake Up, Use The Dual Mobility  
Peter K. Sculco, MD |  |
| 3:03 | Complications in THA: Part II | Session Moderator: Antonia F. Chen, MD, MBA  
Timekeepers:  
Antonia F. Chen, MD, MBA  
Gwo-Chin Lee, MD  
Computer: Scott M. Sporer, MD |  |
| 3:03 | Intraoperative Acetabular & Femoral Fractures & How I Manage Them | Theodore T. Manson, MD |  |
| 3:11 | Leg Length Discrepancy, How To Prevent, How To Manage? | Michael P. Ast, MD |  |
| 3:27 | Reconstructing Femoral Bone Loss | William A. Jiranek, MD |  |
| 3:35 | Reconstructing The Deficient Acetabulum | Gwo-Chin Lee, MD |  |
| 3:43 | Honored Professor Lecture: Periprosthetic Infection: A 30 Year Learning Experience | Thomas K. Fehring, MD |  |
| 3:58 | Break & Visit The Exhibits |  |  |
| 4:28 | Complications in THA: Part II | Session Moderator: Antonia F. Chen, MD, MBA  
Timekeepers: Michael P. Ast, MD  
Scott M. Sporer, MD  
Computer: Anil S. Ranawat, MD |  |
John M. Keggi, MD  
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H. John Cooper, MD  
Jeffrey A. Geller, MD  
Thomas P. Gross, MD  
Peter K. Sculco, MD  
Scott M. Sporer, MD |  |
The Spine-Pelvic Relationship Made Easy: I Know Where To Put The Cup To Avoid Trouble
James Huddleston, MD

Acetabular Revisions Utilizing The DAA: From Simple To Complex
Joseph T. Moskal, MD

Evolving Technique Update: Psoas Tendinitis After Total Hip Arthroplasty - Tenotomy
Anil S. Ranawat, MD

Evolving Technique Update: Psoas Tendinitis After Total Hip Arthroplasty - Revision
Scott M. Sporer, MD

Evolving Technique Update: Open Abductor Repair For Strength
Anil S. Ranawat, MD

Evolving Technique Update: Abductor Reconstruction
Jeffrey A. Geller, MD

Foot & Ankle Co-Chairs
Mark Glazebrook, MSc, PhD, MD
James W. Stone, MD

Honored Professors
Hollis G. Potter, MD
Bruce J. Sangeorzan, MD

Minimally Invasive Surgery In The Foot & Ankle: A Revolution Whose Time Has Come? History, Rationale, Level Of Evidence In Support Of Minimally Invasive Surgical Techniques In The Foot
A. Holly Johnson, MD

Panel: 28-Year-Old Professional Soccer Player With Recurrent Inversion Ankle Sprains: What I Do
Panel Moderator: Thomas H. Lee, MD

Pro: Open Brostrom: Still The Gold Standard
MaCalus V. Hogan, MD

Pro: Minimally Invasive Surgery: Arthroscopic Repair - It's Time To Change, Don't Get Stuck In The 1800s
Peter G. Mangone, MD

Pro: When And How To Do A Reconstruction Rather Than A Repair: Read The Literature
Mark Glazebrook, MSc, PhD, MD

Pro: The Internal Brace: I Told You About It Last Year, Why Aren’t You Listening
Troy S. Watson, MD

Debate: The Dreaded Ankle Sprain: To Fix Or Not To Fix, That Is The Question
Debate Moderator: Mark E. Easley, MD

Pro: Nonoperative Functional Rehab Should Be First Treatment Of All Sprains
Keith L. Wapner, MD

Pro: Acute Repair Is Not Only For The Professional Athlete, It Is Just As Good For The Weekend Warrior
Selene G. Parekh, MD, MBA

Don’t Miss - Special Presentation
Surgical Pearls Exposed: Fireside Chat With The Masters
Supported by Arthrex
Room: Bellagio Ballroom 5
Faculty: Stephen S. Burkhart, MD
Brian J. Cole, MD, MBA
Neal S. ElAttrache, MD
For A Full Description, Please See Page 59.
2:08 MEDIAL LIGAMENT SPRAINS
Moderator: Mark E. Easley, MD
Timekeepers: Monika Volesky, MDCM, FRCSC, Alastair S. Younger, MB, ChB, MSc, ChM
Computer: Robert B. Anderson, MD

2:08 Evolving Technique: The Medial Ligament Complex: Don’t Forget About Me
Phinit Phisitkul, MD

2:15 THE SYNDESMOSIS
Moderator: Martin O’Malley, MD
Timekeepers: Monika Volesky, MDCM, FRCSC, Alastair S. Younger, MB, ChB, MSc, ChM
Computer: Robert B. Anderson, MD

2:15 Evolving Technique Update: 21-Year-Old Snowboarder After Falling Off A Rail: How I Assess Her Syndesmotic Ligament: 5 Tips In 5 Minutes
Gregory C. Berlet, MD

Debate Moderator: Robert B. Anderson, MD
2:20 Pro: Old School Syndesmosis Rigid Fixation Works Great, I Am Not Changing
Mark E. Easley, MD
2:26 Pro: Old Man, Suture Fixation Techniques For The Syndesmosis Is Much Better
Troy S. Watson, MD

Phinit Phisitkul, MD

2:39 Lightening Round: Put The Professor In The Hot Box - Case Presentations For Ankle Instability
Case Panel Moderators: Martin O’Malley, MD, Phinit Phisitkul, MD
Case Panel: Robert B. Anderson, MD
Mark E. Easley, MD
Kenneth Hunt, MD
A. Holly Johnson, MD
Thomas H. Lee, MD
Peter G. Mangone, MD, MBA
Monika Volesky, MDCM, FRCSC
Phinit Phisitkul, MD
Troy S. Watson, MD

2:59 THE SUBTALAR JOINT
Moderator: Keith L. Wapner, MD
Timekeepers: Monika Volesky, MDCM, FRCSC, Alastair S. Younger, MB, ChB, MSc, ChM
Computer: Robert B. Anderson, MD

2:59 Honored Professor Lecture: Subtalar Instability: How I Diagnose, Treatment Options & Why Bother
Bruce J. Sangeorzan, MD

3:09 ANKLE & CALCANEUS FRACTURES
Moderator: MaCalus V. Hogan, MD
Timekeepers: Monika Volesky, MDCM, FRCSC, Alastair S. Younger, MB, ChB, MSc, ChM
Computer: Robert B. Anderson, MD

3:09 Panel: 23-Year-Old Free Rock Climbing Athlete Takes His Fall At His First Pitch With An Intra-articular Bimalleolar Fracture
Panel Moderator: Judith F. Baumhauer, MD, MPH
3:09 Pro: Always Scope: You’ll Be Surprised At What You Find
Monika Volesky, MDCM, FRCSC
3:16 Pro: Don’t Bother Scoping: What You May Find Is Usually Not Important - Fix The Fracture
Mark E. Easley, MD
3:23 Pro: Minimally Invasive Surgery: Use The Arthroscope To Minimize Risk And Achieve Improved Reduction With Small Incisions
Alastair S. Younger, MB, ChB, MSc, ChM

3:30 Honored Professor Lecture: Calcaneus Fractures: To Operate Or Not To Operate
Bruce J. Sangeorzan, MD

3:40 Case Presentations With Questions & Answers: Complex & Unusual Ankle Fractures: How I Fix No Theory Please
Case Panel Moderator: Alastair S. Younger, MB, ChB, MSc, ChM
Case Panel: Robert B. Anderson, MD
MaCalus V. Hogan, MD
A. Holly Johnson, MD
Thomas H. Lee, MD
Peter G. Mangone, MD
James A. Nunley, MD, MS
Martin O’Malley, MD
Phinit Phisitkul, MD
James W. Stone, MD
Troy S. Watson, MD

4:05 BREAK & VISIT THE EXHIBITS

4:30 ACHILLES TENDON RUPTURES
Moderator: Thomas H. Lee, MD
Timekeepers: Kenneth Hunt, MD, Phinit Phisitkul, MD
Computer: Martin O’Malley, MD

4:30 Panel: 45-Year-Old Recreational Tennis Player With The Dreaded Pop On Match Point
Panel Moderator: Robert B. Anderson, MD
4:30 Pro: Nonoperative Treatment Gives Best Results: I Am Not Canadian - Read The Literature
Kenneth Hunt, MD
4:37 Pro: Traditional Open Repair Avoids The Re-Rupture
Gregory C. Berlet, MD
4:44 Pro: Minimally Invasive Techniques: The Technology Is Here - Stop The Silliness
Troy S. Watson, MD
HALLUX RIGIDUS

4:51  Moderator: Michael J. Coughlin, MD
Timekeepers: Kenneth Hunt, MD  Phinit Phisitkul, MD
Computer: Martin O’Malley, MD

Panel: 45-Year-Old Marathon Runner, Former Wall Street Banker & CrossFit Fanatic With 5 Degrees Dorsiflexion Great Toe, Bone Spurs, Minimal MTP Arthritis
Panel Moderator: A. Holly Johnson, MD

4:51  Pro: Open Cheilectomies & Mobergs: It’s Tried & True - She Will Be Running In 8 Weeks
Timothy R. Daniels, MD

4:58  Pro: Use The Arthroscopy & I Can Get Her Back Faster
Alastair S. Younger, MB, ChB, MSc, ChM

5:05  Pro: Stop With The Technology: Small Incision Gets You Faster Back To Sport
Peter G. Mangone, MD

5:12  Pro: MTP Fusion: I Don’t Care That There Is Minimal Arthritis - I Want A Happy Patient
Keith L. Wapner, MD

Synthetic Cartilage Implant Maintains Motion, Still Going Strong, Everything You’ve Heard Before, Makes No Sense: Indications, Technique & Results
Judith F. Baumhauer, MD, MPH

TURF TOE, SESAMOIDS & PLANTAR PLATE: ALL THE LITTLE STUFF THAT MAKES A DIFFERENCE

5:27  Moderator: Martin O’Malley, MD
Timekeepers: Kenneth Hunt, MD  Phinit Phisitkul, MD
Computer: Martin O’Malley, MD

5:27  Turf Toe: How I Make The Diagnosis, What I Do With My Athletes
Robert B. Anderson, MD

5:35  Debate: 24-Year-Old Division 1 Senior Football Player With Acute Turf Toe With The SEC Championship 6 Weeks Away
Debate Moderator: Martin O’Malley, MD

5:35  Pro: He Is Playing With Nonoperative Treatment
Michael J. Coughlin, MD

5:41  Pro: He Is Out! Bite The Bullet, He Needs Long Term Function - Be The Hated Person
Robert B. Anderson, MD

Evolving Technique: The Plantar Plate & Sesamoids: My Algorithm To Diagnosis
Martin O’Malley, MD

5:47  Debate: 33-Year-Old Basketball Player With Acute Sesamoid Fracture
Debate Moderator: Mark E. Easley, MD

5:54  Pro: Nonoperative Treatment: I Have Done It For Years & Will Get Him Back Into The Game
James A. Nunley, MD, MS

6:00  Pro: Operate Now: Chronic Problems Are Not Fixable
Martin O’Malley, MD

6:06  Debate: 40-Year-Old Marathon Runner With A Plantar Plate Rupture 6 Weeks Ago & Early Hammer Toe Deformity
Debate Moderator: Mark Glazebrook, MSc, PhD, MD, FRCS(C)

Troy S. Watson, MD

6:12  Pro: What? Anatomy My Friends, Repair The Plantar Plate
Martin O’Malley, MD

AOFAS President’s Challenge
Case Panel Moderators: Thomas H. Lee, MD

Case Panel: Robert B. Anderson, MD  Judith F. Baumhauer, MD, MPH  Michael J. Coughlin, MD  James A. Nunley, MD, MS  Keith L. Wapner, MD

6:18  End of CME Educational Foot & Ankle Program

HAND, WRIST & ELBOW • MONET 3

12:00 – 1:00 Lunch Non-CME Spotlight Session

The Future Of Endoscopic Carpal Tunnel Release
Supported by Trice Medical
Room: Monet 2
Faculty: Jeffrey Yao, MD
For A Full Description, Please See Page 59.

1:10  Welcome & Introduction
Founder  Kevin D. Plancher, MD, MPH

Hand, Wrist & Elbow Co-Chairs  David S. Ruch, MD  Noah D. Weiss, MD  Jeffrey Yao, MD

Honored Professors  Neal S. ElAttrache, MD  L. Andrew Koman, MD  Hollis G. Potter, MD

Distinguished Professor  Peter J. Stern, MD

1:15  ARTHRITIS IN THE WRIST & HAND: DILEMMAS IN HAND SURGERY - WILL WE EVER AGREE?
Moderator: Brian D. Adams, MD
Timekeepers: Brian D. Adams, MD  Noah D. Weiss, MD
Computer: Jeffrey Yao, MD

1:15  Wide Awake Anesthesia: A Hoax Or Are We Hurting Patients? Is This The Wave Of The Future?
Peter J. Stern, MD
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Panel Moderator</th>
<th>Panel Members</th>
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</thead>
<tbody>
<tr>
<td>1:23</td>
<td><strong>Mini-Panel: Carpal Instability: 50-Year-Old Orthopaedic Surgeon Fell While Playing Tennis With A SLAC Wrist - Now What?</strong></td>
<td>Noah D. Weiss, MD</td>
<td>Mark E. Baratz, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Noah D. Weiss, MD</td>
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<td>1:29</td>
<td><strong>Pro: Capitate Resurfacing Is The Best Procedure - Wake Up!</strong></td>
<td>William Geissler, MD</td>
<td>Noah D. Weiss, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>1:35</td>
<td><strong>Pro: PRC Baby! It Sounds Crazy But Read The Literature</strong></td>
<td>Mark S. Rekant, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>1:41</td>
<td><strong>Pro: Everybody Calm Down! Styloidectomy And An Intra-Articular Injection With Or Without Wrist Denervation - Goodbye PIN! So Much To Choose From</strong></td>
<td>Noah D. Weiss, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>1:47</td>
<td><strong>Distinguished Professor Commentary: My Personal Bias</strong></td>
<td>Peter J. Stern, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>1:50</td>
<td><strong>Mini-Panel: DRUJ Arthritis: Oh I Used To Be So Young, I Am 60 But In My Heart I Am 30, Let's Play 5 Sets Of Tennis</strong></td>
<td>Marco Rizzo, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>1:56</td>
<td><strong>Pro: I Can’t Spell Or Even Pronounce It, But A Sauvé-Kapandji Will Bail You Out!</strong></td>
<td>David S. Ruch, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>2:02</td>
<td><strong>Pro: History My Young Friends, Resect The Distal Ulna: Don’t Be Foolish, It Has Stood The Test Of Time</strong></td>
<td>Peter J. Stern, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>2:08</td>
<td><strong>Motion Preserving Wrist Hemiarthroplasty, Solved! A New Kid On The Block</strong></td>
<td>William Geissler, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>2:16</td>
<td><strong>Mini-Panel: A 65-Year-Old, Right Hand Dominant Massage Therapist Whose Thumb Hurts 20 Years After An LRTI</strong></td>
<td>Mark S. Rekant, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>2:28</td>
<td><strong>Pro: A Failed LRTI Is Solved With A Fusion</strong></td>
<td>Marco Rizzo, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>2:34</td>
<td><strong>Mini-Panel: A 64-Year-Old Mom Has A Displaced Distal Radius Fracture</strong></td>
<td>David S. Ruch, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>2:40</td>
<td><strong>Pro: Keep It Simple: A Good Reduction &amp; A Pin, I Have Done It For Years</strong></td>
<td>Peter J. Stern, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>2:46</td>
<td><strong>Pro: Stop The Nonsense, Put On A Cast, She Will Do Great!</strong></td>
<td>L. Andrew Koman, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>2:58</td>
<td><strong>Pro: Fragment Specific: Don’t Kid Yourself Otherwise You Will Fail</strong></td>
<td>Mark S. Rekant, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>3:04</td>
<td><strong>Pro: The Dorsal Plate Is The Way To Go</strong></td>
<td>Marco Rizzo, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>3:10</td>
<td><strong>Pro: Volar Plate: You All Have Given The Audience Nonsense To Think About</strong></td>
<td>Jesse B. Jupiter, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>3:21</td>
<td><strong>Honored Professor Lecture: Vascular Disorders In The Hand: What I Have Learned Through The Years</strong></td>
<td>L. Andrew Koman, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>3:36</td>
<td><strong>Case Presentations With Questions &amp; Answers: Rapid Fire, Complex Arthritis Issue Of The Hand &amp; Wrist &amp; Distal Radius Fractures - Ouch!</strong></td>
<td>Noah D. Weiss, MD, MD, Jesse B. Jupiter, MD, L. Andrew Koman, MD, Mark S. Rekant, MD, Marco Rizzo, MD, David S. Ruch, MD, Peter J. Stern, MD, Steven S. Shin, MD, MSc</td>
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<td>4:01</td>
<td><strong>BREAK AND VISIT THE EXHIBITS</strong></td>
<td>-</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>4:36</td>
<td><strong>Pro: Know Your Literature, Open This Up: Prepare For The Primary Capsulodesis</strong></td>
<td>Mark S. Rekant, MD</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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<td>4:42</td>
<td><strong>Pro: Sorry Old Boys: Internal Brace Reconstruction Has Now Solved Years Of Inadequate Results</strong></td>
<td>Steven S. Shin, MD, MSc</td>
<td>William Geissler, MD, G. Baratz, MD, William Geissler, MD, Mark S. Rekant, MD, William Geissler, MD, Mark S. Rekant, MD</td>
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</table>
### Mini-Panel: 27-Year-Old Professional Linebacker With An Unrecognised Scaphoid Nonunion

**Panel Moderator:** Jeffrey Yao, MD  
**4:48 Pro:** Just Screw This! Quick, Easy, And It Works!  
Marco Rizzo, MD  
**4:54 Pro:** Need To Open & Put In Some Autograft  
Mark S. Rekant, MD  
**5:00 Pro:** Time For The Vascularized Graft: The Only Way This Will Heal  
Jeffrey Yao, MD  
**5:06 Pro:** Silly Boys, You Need To Listen To Me - Do The Salvage Procedure  
Julie Adams, MD  

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### Debate: 21-Year-Old Collegiate Gymnast, Falls Off The Uneven Bars Now With Ulnar-Sided Wrist Pain - MRI Positive For TFCC Tear

**Debate Moderator:** Jeffrey Yao, MD  
**5:12 Pro:** Open TFCC Repair It Works & Gets Results  
Brian D. Adams, MD  
**5:18 Pro:** Wrong! Arthroscopic TFCC Repair: I Thought We Trained At The Same Time  
Julie Adams, MD  

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### Debate: 22-Year-Old Collegiate Safety For A Division I Team Sustains A Radial Collateral Ligament Injury Of The Thumb

**Debate Moderator:** Neal C. Chen, MD  
**5:24 Pro:** Time For The Operating Room: He Is Out For The Next 4 Weeks - Long Term Effects Are Too Devastating  
Brian D. Adams, MD  
**5:29 Pro:** Don’t Be Silly! Let Him Play, There Is No Evidence It Requires Surgery  
Steven S. Shin, MD, MSc  

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### Honored Professor Commentary: The Ethics Of Letting A Collegiate Player Continue With A Known Injury - My Personal Thoughts

L. Andrew Koman, MD  

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### CONTROVERSIES IN NERVE SURGERY

**Moderator:** Jesse B. Jupiter, MD  
**Timekeepers:** Julie Adams, MD  
Mark S. Rekant, MD  
**Computer:** David S. Ruch, MD  

**5:36 Pro:** Primary Repair & Transpose The Nerve  
Jesse B. Jupiter, MD  
**5:42 Pro:** No Repair: This Needs An Allograft & A Wrap  
Thomas B. Hughes, MD  

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### Honored Professor Commentary: Wrapping Up The Day - What I Learned

L. Andrew Koman, MD  

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### End of CME Educational Hand, Wrist & Elbow Program

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### Chairman’s Reception

**Thursday, December 12th**  
7:15 – 8:45PM  
Exhibit Hall  
Grand Ballroom 1, 2, 4, 5, 8  

The OSET Board and entire faculty welcome all **Course Attendees and your guests** to the Chairman’s Reception. The Chairman’s Reception will feature heavy hors d’oeuvres and food stations with libations. This experience offers all attendees the opportunity to meet and network with our expert faculty, industry, and colleagues. **Don’t Miss Out!**

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### Don’t Miss - Special Presentation

**6:00 - 7:00 Dinner Non-CME Spotlight Session - All Invited**

**Surgical Pearls Exposed: Fireside Chat With The Masters**  
**Supported by Arthrex**  
**Room:** Bellagio Ballroom 5  
**Faculty:** Stephen S. Burkhart, MD  
Brian J. Cole, MD, MBA  
Neal S. ElAttrache, MD  
**For A Full Description, Please See Page 59.**
6:50 Welcome & Introduction

Founder
Kevin D. Plancher, MD, MPH

Knee Arthroplasty Co-Chairs
Fred D. Cushner, MD
Giles R. Scuderi, MD

Vice Chairs
Michael P. Ast, MD
Michael Bolognesi, MD

Honored Professors
Thomas Fehring, MD
Arlen Hanssen, MD
Hollis G. Potter, MD

Distinguished Professor
Alfred J. Tria, MD

6:55 NEW TECHNOLOGY & ADVANCES IN KNEE ARTHROPLASTY

Section Moderator: Giles R. Scuderi, MD
Timekeepers: Michael P. Ast, MD
Matthew S. Hepinstall, MD
Computer: Michael J. Kaplan, MD

H. Del Schutte, Jr. MD

7:03 Panel: 61-Year-Old Stock Broker, Now For Her First Total Knee Replacement - Knows All The Investments & Technology
Panel Moderator: Scott M. Sporer, MD
7:03 Pro: 3D Computer Navigation Imaging Is The Answer To Get Perfection
Craig M. McAllister, MD
7:10 Pro: Sensor-Assisted Technology Improves Patient Outcomes & Satisfaction
Martin Roche, MD
7:17 Pro: Precision Alignment Technology In Your Hand, Gets It Done
Michael P. Ast, MD
7:24 Pro: CT-Guided, Robotic Arm-Assisted Total Knee Arthroplasty
Matthew S. Hepinstall, MD
7:31 Pro: CT-Free Handheld, Robotic-Assisted Total Knee Replacement
Jeffrey A. Geller, MD
7:38 Pro: CT-Free Navigation In Total Knee Arthroplasty
Thorsten M. Seyler, MD, PhD
7:45 Pro: Robotic Ligament Tensioner: It Is The Way To Go! You Are All Wrong
John M. Keggi, MD

7:52 THE NEW REALITY & TRENDS IN KNEE ARTHROPLASTY

Moderator: Michael J. Kaplan, MD
Timekeepers: Michael P. Ast, MD
Matthew S. Hepinstall, MD
Computer: Michael J. Kaplan, MD

Bronwyn Spira, PT

7:59 Evolving Technique: Blood Management: TXA, IV, Topical Or Oral: Is There A Difference?
Edward J. McPherson, MD, FACS

8:06 Evolving Technique: Wound Closure: The Postoperative Dressing, CPM & Ice: So Many Options, Cost, & Do They Make A Difference?
Fred D. Cushner, MD

8:13 Evolving Technique: The Bariatric Patient: Move Over BMI - Percent Body Fat Predicts Function After Total Knee
Michael Bolognesi, MD

8:20 Evolving Technique: 61-Year-Old Pickleball Player With Rheumatoid Arthritis: Defining The High Wound Risk Patient - How I Treat It - Soft Tissue Negative Pressure
H. John Cooper, MD

8:27 Honored Professor Lecture: Challenges In Revision TKA: Cementless, Cemented Or Hybrid Fixation Options - Which Is Best?
Thomas K. Fehring, MD

8:42 Mini-Debate: Cannabis Is Coming! Does It Have Any Role In Pain Control For The Total Knee Patient In The Legalized State
Debate Moderator: William A. Jiranek, MD
8:42 Pro: I Have Tried It & It Seems To Help
Thomas Meade, MD
8:47 Pro: You Really Are Nuts! Let's Stick To The True & Tried Pain Management Systems Even Limiting Narcotics
Michael A. Kelly, MD

8:52 Micro-Debate: My Wound Closure Is Better Than Yours
Micro-Debate Moderator: Fred D. Cushner, MD
8:52 Pro: Zip-It.Com: Let Me Show You How
Michael J. Kaplan, MD
8:55 Pro: Put A Band-Aid On It! It Solves It Every Time - Don't You Know What's Hot?!?
Jack Farr, MD

8:58 Case Presentations With Questions & Answers: Brevity Is The Soul Of Wit: Avoiding Complications In Total Knee Arthroplasty & Coming Clean
Case Panel Moderators: Michael A. Kelly, MD
Giles R. Scuderi, MD
Case Panel: Henry D. Clarke, MD
Arlen Hanssen, MD
Raymond Kim, MD
Viktor Krebs, MD
David J. Mayman, MD
Craig M. McAllister, MD
Joseph T. Moskal, MD
H. Del Schutte, MD
Scott M. Sporer, MD

9:30 BREAK & VISIT THE EXHIBITS
10:10  THE CONTROVERSIES CONTINUE WITH HONEST DEBATES - NO PLAYING NICE!
Moderator: Fred D. Cushner, MD
Timekeepers: Michael Bolognesi, MD
Joseph T. Moskal, MD
Computer: William A. Jiranek, MD

10:10  Mini-Debate: 56-Year-Old Marathon Runner For His First Total Knee Searching For The Tourniquetless Procedure
Mini-Debate Moderator: Michael Bolognesi, MD
10:10   Pro: I Know Why You Are Afraid, Don't Be, No Need For The Tourniquet
Amar S. Ranawat, MD
10:15   Pro: You Need The Tourniquet To See The Anatomy & Cement Properly
Viktor Krebs, MD
10:20   Rebuttal
Viktor Krebs, MD
Amar S. Ranawat, MD

10:22  Debate: Alignment Matters In Total Knee Arthroplasty
Debate Moderator: William A. Jiranek, MD
10:22   Pro: Mechanical Alignment: It Is What We Are All Doing & We Get Long Term Results, Don’t Lecture Me
Giles R. Scuderi, MD
10:28   Pro: Kinematic Alignment Is All That Matters, You Know I Am Right, It Is Like The Underground Railroad - You Are All Doing It Quietly!
Stephen M. Howell, MD
10:34   Rebuttal
Stephen M. Howell, MD
Giles R. Scuderi, MD

10:37  Debate: Same Day Total Knee Arthroplasty Has Arrived Even In The Big Cities
Mini-Debate Moderator: Michael B. Cross, MD
10:37   Pro: I Have Been Doing It & Teaching It For Years - Let Me Show You Who, How & Why
Michael P. Ast, MD
10:43   Pro: I Have Been Cleaning Up Your Messes: Are You Silly? My Patients Go Home When They Are Ready & Don’t Return To The ER
Martin Roche, MD
10:49   Rebuttal
Michael P. Ast, MD
Martin Roche, MD

10:52  Mini-Debate: 78-Year-Old Shuffleboard Fanatic Asking Why Bother Resurfacing My Patella With My Total Knee Arthroplasty
Debate Moderator: Stephen M. Howell, MD
10:52   Pro: I Always Resurface
Michael A. Kelly, MD
10:57   Pro: Learn From The Literature: You Don’t Need To Always Resurface The Patella
Raymond Kim, MD
11:02   Rebuttal
Michael A. Kelly, MD
Raymond Kim, MD

11:04  Debate: 53-Year-Old Status Post Distal Femur Fracture 10 Years Ago Now With A Complex Primary Total Knee Arthroplasty Requesting A Custom Design
Debate Moderator: William A. Jiranek, MD
11:04   Pro: This Young Patient Needs Optimal Alignment & Patient Satisfaction - Go Custom!
David J. Mayman, MD
11:10   Pro: The Complex Primary Total Knee Can Be Done Efficiently, Let Me Show You How Young Man
H. Del Schutte, MD
11:16   Rebuttal
David J. Mayman, MD
H. Del Schutte, MD

11:19  Evolving Technique: The Cementless Total Knee: When I Do It, How I Do It For A Perfect Fit
Amar S. Ranawat, MD

11:26  Case Presentations with Questions & Answers: Time To Challenge The Experts
Case Panel Moderators: William A. Jiranek, MD
Giles R. Scuderi, MD
Case Panel: Michael Bolognesi, MD
Jeffrey A. Geller, MD
Arlen Hansen, MD
Stephen M. Howell, MD
Michael A. Kelly, MD
Raymond Kim, MD
David J. Mayman, MD
Peter K. Sculco, MD
Amar S. Ranawat, MD

11:49  CR VS. PS VS. MEDIAL STABILIZED, THE MRI & NONUNIONS
Moderator: Raymond Kim, MD
Timekeepers: Michael Bolognesi, MD
Joseph T. Moskal, MD
Computer: William A. Jiranek, MD

11:49   Evolving Technique: 57-Year-Old Professional Squash Athlete Requesting The Medial Stabilized Knee & Why I Do It!
David W. Manning, MD

11:56  Evolving Technique: Understanding The Difference Between A CR & Posterior Sacrificing Total Knee Arthroplasty & Deciding When To Use Which
Michael J. Kaplan, MD

12:03  Evolving Technique Update: How I Handle The Complex Primary Knee In A 47-Year-Old That Had A Tibial Plateau Fracture 2 Years Ago & Has A Nonunion: Why I Put In A Total Knee
David W. Manning, MD

12:08  Distinguished Professor Lecture: The Cruciate Ligaments In Total Knee Arthroplasty
Alfred J. Tria, MD

12:20  BREAK & VISIT THE EXHIBITS
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>12:20</td>
<td>Lunch With Non-CME Spotlight Sessions</td>
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<td>Sign Up Mandatory</td>
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<tr>
<td>1:20</td>
<td>Dessert &amp; Visit The Exhibits</td>
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<tr>
<td>1:45</td>
<td>HOW I DO IT!</td>
<td>David W. Manning, MD</td>
<td>Timekeepers: H. John Cooper, MD Peter K. Sculco, MD Computer: Michael A. Kelly, MD</td>
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<td>1:45</td>
<td>Time for the 55-Year-Olds First Total Knee: I Don’t Want Aseptic Loosening, I Want A Better Bone Cement Interface - I Have A Secret To Share</td>
<td>Stefan W. Kreuzer, MD</td>
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<td>1:53</td>
<td>My Experience With Bilateral Total Knee Arthroplasty: Think About The Patient, Not You Or Your Wallet</td>
<td>Peter K. Sculco, MD</td>
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<td>2:01</td>
<td>Evolving Technique Update: Getting The Patella In The Groove With A Valgus Knee - My Secrets</td>
<td>Michael B. Cross, MD</td>
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<td>2:06</td>
<td>Evolving Technique Update: 61-Year-Old With Rheumatoid Arthritis 15 Degrees Varus - How To Succeed Long-Term</td>
<td>Viktor Krebs, MD</td>
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<td>2:11</td>
<td>Evolving Technique Update: 71-Year-Old Former Marathoner With 15 Degrees Valgus - The Winning Checklist Without Nerve Damage</td>
<td>William A. Jiranek, MD</td>
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<td>2:16</td>
<td>Evolving Technique Update: 58-Year-Old Squash Player, Keeping The PCL: Don’t Listen To My Colleagues - Tips &amp; Tricks</td>
<td>Viktor Krebs, MD</td>
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<tr>
<td>2:26</td>
<td>COMPLICATIONS YOU DREAD POST TOTAL KNEE ARTHROPLASTY</td>
<td>Michael B. Cross, MD</td>
<td>Timekeepers: H. John Cooper, MD Peter K. Sculco, MD Computer: Michael A. Kelly, MD</td>
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<td>2:26</td>
<td>Evolving Technique Update: 45-Year-Old Former Professional Rugby Player Asks, “Why Does My Knee Still Hurt 1 Year After Surgery, Am I Part Of That 19% Doc?”</td>
<td>Fred D. Cushner, MD</td>
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<td>2:36</td>
<td>Evolving Technique Update: A 51-Year-Old Male, 10 Days s/p TKA With A Swollen Knee &amp; Calf: Time To Worry? - What I Do</td>
<td>Jason C. Snibbe, MD</td>
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<td>2:41</td>
<td>Evolving Technique Update: Tips &amp; Tricks To Avoid The Unstable Knee</td>
<td>Michael A. Kelly, MD</td>
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<td>2:46</td>
<td>Evolving Technique Update: 62-Year-Old Tennis Player Felt A Snap In Her Knee 1 Year Later &amp; Can’t Lift Or Extend Her Leg</td>
<td>Giles R. Scuderi, MD</td>
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<td>2:56</td>
<td>Evolving Technique Update: Metal Allergies &amp; How To Detect The Problem With No Rash: 5 Quick Tips</td>
<td>Michael Bolognesi, MD</td>
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<td>3:01</td>
<td>REVISION TOTAL KNEE ARTHROPLASTY FOR THE GENERALIST: HANDLING BONE LOSS</td>
<td>Amar S. Ranawat, MD</td>
<td>Timekeepers: H. John Cooper, MD Peter K. Sculco, MD Computer: Michael A. Kelly, MD</td>
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<td>3:01</td>
<td>Panel: 83-Year-Old Third Time Loser With A Large Tibial Bony Defect</td>
<td>Giles R. Scuderi, MD</td>
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<td>3:08</td>
<td>Pro: Simple To Handle, It’s Metaphyseal Cone Time, No Ice Cream Please</td>
<td>Amar S. Ranawat, MD</td>
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<td>3:15</td>
<td>Pro: The Revision Rotating Platform Total Knee Arthroplasty: An Answer To Bone Loss - It’s Simple &amp; Effective</td>
<td>Michael B. Cross, MD</td>
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<td>3:22</td>
<td>The Hinged Total Knee: Don’t Forget About It, The Answer For Difficult Problems</td>
<td>David J. Mayman, MD</td>
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<td>3:30</td>
<td>Honored Professor Commentary</td>
<td>Thomas Fehring, MD</td>
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<td>3:34</td>
<td>BREAK &amp; VISIT THE EXHIBITS</td>
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<td>4:04</td>
<td>THE UNFORTUNATE INFECTION IN TOTAL KNEE ARTHROPLASTY</td>
<td>Viktor Krebs, MD</td>
<td>Timekeepers: Amar S. Ranawat, MD Giles R. Scuderi, MD Computer: Henry D. Clarke, MD</td>
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<tr>
<td>4:04</td>
<td>Evolving Technique: Creating A Preop Program &amp; My Tricks To Minimize Infections: 7 Tips, 7 Minutes</td>
<td>Daniel N. Segina, MD</td>
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<td>4:11</td>
<td>Evolving Technique Update: The Culture Negative, Persistent Infection: Antibiotics Are Not Working, What’s This New Technology I Have Heard About</td>
<td>Edward J. McPherson, MD</td>
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30  |  www.orthosummit.com

THURSDAY, DECEMBER 12, 2019 | GENERAL SESSION

KNEE ARTHROPLASTY • BELLAGIO BALLROOMS 2, 3, 4, 6, 7

4:16 Debate: 75-Year-Old Immunosuppressed Patient Status Post Total Knee Arthroplasty 3 Months Ago With Consistent Drainage Coming From The Wound
Moderator: Peter K. Sculco, MD

4:16 Pro: Single Stage Exchange Can Work For You: Let Me Teach You The Tricks
Edward J. McPherson, MD, FACS

4:22 Pro: The Two Stage Standard Technique Keeps You Out Of Troubles, Don’t Try To Be Tricky
Henry D. Clarke, MD

4:28 Rebuttal
Edward J. McPherson, MD, FACS
Henry D. Clarke, MD

4:31 Case Presentations With Questions & Answers: Infected Total Knees: Solve The Problem, Stop Talking About It!
Moderator: Michael Bolognesi, MD
Fred D. Cushner, MD
Case Panel: Henry D. Clarke, MD
Michael B. Cross, MD
Viktor Krebs, MD
David J. Mayman, MD
Edward J. McPherson, MD, FACS
Joseph T. Moskal, MD
Amar S. Ranawat, MD
H. Del Schutte, MD
Giles R. Scuderi, MD

4:51 THE UNIS ARE COMING, THE UNIS ARE COMING: TIME TO BATTLE IT OUT!
Moderator: Michael J. Kaplan, MD
Timekeepers: Amar S. Ranawat, MD
Giles R. Scuderi, MD
Computer: Henry D. Clarke, MD

5:16 CONVERGING TO TOTAL KNEE - IT IS ALL ABOUT RELIGION & THE ODDBALL PATELLOFEMORAL ARTHROPLASTY
Moderator: Amar S. Ranawat, MD
Timekeepers: Amar S. Ranawat, MD
Giles R. Scuderi, MD
Computer: Henry D. Clarke, MD

5:16 How I Do It: Converting The UKA To A Total Knee
Amar S. Ranawat, MD

5:24 How I Do It: Converting The Osteotomized Knee To A Total Knee
Michael B. Cross, MD

5:32 Case Presentations With Questions & Answers: Unis & Putting It All Together - Rapid Fire Answers
Case Panel Moderators: Giles R. Scuderi, MD
Fred D. Cushner, MD
Case Panel: Michael Bolognesi, MD
Michael B. Cross, MD
Phil Davidson, MD
Thomas Fehring, MD
Stephen M. Howell, MD
David J. Mayman, MD
Joseph T. Moskal, MD
Amar S. Ranawat, MD
Alfred J. Tria, MD

5:51 Mini-Panel: 53-Year-Old Painter Status Post Total Medial Meniscectomy 20 Years Ago Now Unable To Climb Ladders
Panel Moderator: Henry D. Clarke, MD

5:51 Pro: The Robot Will Get It Perfect! Time For A Medial UKA
David J. Mayman, MD

5:57 Pro: Patient Specific Implantation Makes UKA Much Easier
Phil Davidson, MD

5:03 Pro: Handheld Robotic-Assisted Instruments Make This Procedure Simple
Michael P. Ast, MD

5:09 Evolving Technique: Lateral Unicondylar Knee Arthroplasty In A 52-Year-Old Ski Patroler: Let Me Show You How - Watch Him Save People’s Lives
Kevin D. Plancher, MD, MPH

6:00 End of CME Educational Knee Arthroplasty Program

ADVANCED REGISTRATION REQUIRED

DePuy Synthes Ortho-Experience At OSET:
Comprehensive Hands-On Lab
Supported by DePuy Synthes
2:00 - 6:00pm  |  Bellagio Ballroom 1, 5

Faculty Sports:
Nirav Amin, MD
Shariff Bishai, DO
Kevin Bonner, MD
Brian Busconi, MD
David Diduch, MD
Julie Dodds, MD
Joseph P. Donahue, MD
Alfred J. Tria, MD

Faculty Trauma: Upper Extremity, Hip & Knee, Foot & Ankle
Stephen Malekzadeh, MD
Justin Weatherall, MD

Experience how DePuy Synthes leads in orthopaedics at this comprehensive hands-on lab. This cadaveric training provides attendees with the opportunity to learn from industry thought leaders and gain insights on surgical techniques across a variety of procedures in Sports Medicine and Trauma, while optimizing an opioid sparing multimodal approach to control post-surgical pain.

Procedural options in the lab will include:
• Sports Medicine: ACL, PCL, and Meniscal Repair, Rotator Cuff and Instability, Latarjet
• Trauma: Upper Extremity, Hip & Knee, Foot & Ankle
6:50 Welcome & Introduction
Founder
Kevin D. Plancher, MD, MPH
Shoulder Sports Medicine Co-Chairs
Joseph A. Abboud, MD
Larry D. Field, MD
Lawrence V. Gulotta, MD
Claude T. Moorman, III, MD
Honored Professors
Stephen S. Burkhart, MD
Joseph P. Iannotti, MD, PhD
Hollis G. Potter, MD
Felix H. “Buddy” Savoie, III, MD
International Distinguished Professor
Jae Chul Yoo, MD, PhD

6:55 SHOULDER TRAUMA: EVALUATING SOFT TISSUE, BONY DEFORMITIES & COMPLICATIONS FOR THE GENERALIST & SHOULDER SPECIALIST
Moderator: Quin Throckmorton, MD
Timekeepers: Dan Guttmann, MD
Claude T. Moorman, III, MD
Computer: Jeffrey S. Abrams, MD

6:55 THE BICEPS & PEC MAJOR
Moderator: Quin Throckmorton, MD
Timekeepers: Dan Guttmann, MD
Claude T. Moorman, III, MD
Computer: Jeffrey S. Abrams, MD

6:55 Debate: The Sudden Pop, An Isolated Long Head Of The Biceps Rupture In A 50-Year-Old Squash Player
Debate Moderator: Dan Guttmann, MD
6:55 Pro: You Need To Repair This Injury Now
Jeffrey S. Abrams, MD
7:01 Pro: Mr. Former AANA President, As The ABJS President, Let Me Show You They All Do Well Nonoperatively - Read The Literature, Stop Worrying
Xavier A. Duralde, MD

7:07 Evolving Technique Update: The Pec Major Rupture: 5 Steps, 5 Minutes - It’s A Great Operation, Solve The Weight Lifter’s Problem
Eric C. McCarty, MD

7:12 Mini-Panel: 53-Year-Old Former Professional Ice Hockey Player with a 3 1/2 Part Proximal Humerus Fracture: My Way!
Panel Moderator: Lawrence V. Gulotta, MD
Surena Namdari, MD
7:18 Pro: ORIF With The Newest IM Nail
Christopher R. Chuinard, MD, MPH
Patrick St. Pierre, MD
7:30 Pro: Stop Fooling Around, Do The Reverse, You Are All Insane - I Get The Results
Bradford O. Parsons, MD

7:36 Honored Professor Commentary: Reflections With Over 30 Years Of Experience - Managing Patient Expectations For Proximal Humerus Fractures
Joseph P. Iannotti, MD, PhD

7:39 Evolving Technique Update: A Unique Approach To Treat Proximal Humerus Fractures In Fragility Cases Utilizing Bone Void Fillers Through Injection Screws And Polyaxial Plating
Surena Namdari, MD

7:44 Evolving Technique: The 74-Year-Old With A Proximal Humerus Fracture With Sudden Vascular Injury: Stay Calm, Time To Stabilize, Know The Steps For Remedy When No Vascular Surgeon Is Nearby - Wake Up, We All Can Do It!
Mark D. Lazarus, MD

7:51 Evolving Technique Update: The 69-Year-Old Former Ski Patrolwoman With A Proximal Humerus Fracture, Nerve In, Extending To The Mid/Distal Shaft: How I Use The Reverse Long Stem, Stop The Plating Now! 5 Steps, 5 Minutes
Scott P. Steinmann, MD

7:56 Proximal Humerus Fractures: My Algorithm When To Leave It, When To Fix It, When To Replace It - Listen Up!
Uma Srikumaran, MD

Case Panel Moderators: Christopher R. Chuinard, MD, MPH
Lawrence V. Gulotta, MD
Case Panel: Don Buford, MD
Xavier A. Duralde, MD
Dan Guttmann, MD
Joseph P. Iannotti, MD, PhD
Bradford O. Parsons, MD
Jay D. Keener, MD
Mark D. Lazarus, MD
Anand M. Murthi, MD
Gerald R. Williams, Jr., MD
8:29  LIVE SURGERY
OPEN LATERJET VERSUS COMPLEX ROTATOR CUFF REPAIR
Surgery Moderators: Eric C. McCarty, MD
John W. Sperling, MD, MBA
Surgeon: T. Bradley Edwards, MD
Surgeon: T. Bradley Edwards, MD

9:04  THE AC JOINT IN 2019
Moderators: Michael T. Freehill, MD
Michael D. McKee, MD
Timekeepers: Dan Guttman, MD
Claude T. Moorman, III, MD
Computer: Jeffrey S. Abrams, MD
9:04  Mini-Panel: 35-Year-Old Weight Lifter Status Post Type III/V AC Dislocation With Pain: What’s New, What’s Old?
Panel Moderators: Carl J. Basamania, MD
Michael T. Freehill, MD
W. Benjamin Kibler, MD
9:10  Pro: AC Reconstruction My Way Can Work: Learn How
Michael T. Freehill, MD
9:16  Pro: Leave The AC Joint Alone: Stop The Nonsense
Michael D. McKee, MD
9:22  21-Year-Old Road Warrior Cyclist With A Dislocated AC Joint & A Distal Clavicle Fracture: My Protocol For Evaluation & Treatment
W. Benjamin Kibler, MD
9:30  BREAK & VISIT THE EXHIBITS

10:00  THE SC JOINT & CLAVICLE FRACTURES
Moderator: W. Benjamin Kibler, MD
Timekeepers: Bradford O. Parsons, MD
Quin Throckmorton, MD
Computer: Eric C. McCarty, MD
10:00  Evolving Technique: 56-Year-Old With Difficulty Swallowing 6 Years After An MVA: I Never Knew I Had An SC Joint Problem - How To Reconstruct & Avoid Instability
John E. “Jed” Kuhn, MD
10:17  Debate: The 19-Year-Old Eagle Scout Inducted In A Secret Ceremony With A Midshaft Clavicle Fracture
Debate Moderator: Michael D. McKee, MD
10:17  Pro: Time To Fix, We Have All The Technology: ORIF Now!
William Geissler, MD
10:23  Pro: Nonoperative Treatment: My Inventor Of Plates, Slow Down, No Treatment Works Just Fine!
Joseph P. Iannotti, MD, PhD
10:29  Evolving Technique Update: Type II Distal Clavicle Fractures: What’s New, How To Fix Whether Acute Or Chronic
W. Benjamin Kibler, MD

11:09  OSTEOARTHRITIS & TOTAL SHOULDER ARTHROPLASTY - PART I
Moderators: Jay D. Keener, MD
Scott P. Steinmann, MD
Peter D. McCann, MD
Timekeepers: Bradford O. Parsons, MD
Quin Throckmorton, MD
Computer: Eric C. McCarty, MD
11:09  Evolving Technique: 45-Year-Old Yoga Instructor With Grade III/IV Shoulder Osteoarthritis: I Do NOT Want Shoulder Surgery: What Non-Surgical Treatment Is Out There And Show Me The Evidence
Don Buford, MD
11:17  Honored Professor Lecture: My Odyssey When Developing Pre-op Planning Software & Experience With Total Shoulder Replacement - Where I Started, Where I Am Today - The Easy Ones & The Hard Ones
Joseph P. Iannotti, MD, PhD
11:32  Evolving Technique Update: Humeral Exposure Is The Key to Glenoid Exposure: Say What?
Jay D. Keener, MD
11:37  Commentary Update: You Still Can’t See The Glenoid No Matter What: My Additional 3 Tips In 3 Minutes
Peter D. McCann, MD
Mohamed Mahfouz, PhD
11:45  Total Shoulder With Chamfer Cuts: It’s Here, Successful, Let Me Tell You More
Steven S. Goldberg, MD
11:53  Case Presentations with Questions & Answers: Potpourri Of Osteoarthritis - Rapid Fire Answers
Case Panel Moderators: Bradford O. Parsons, MD
Peter D. McCann, MD
Case Panel: Joseph A. Abboud, MD
W.Z. (Buz) Burkhead, Jr., MD
Xavier A. Duralde, MD
Steven S. Goldberg, MD
Lawrence V. Gulotta, MD
Joseph P. Iannotti, MD, PhD
Mark D. Lazarus, MD
Patrick St. Pierre, MD
Scott P. Steinmann, MD
THURSDAY, DECEMBER 12, 2019 | GENERAL SESSION

SHOULDER SPORTS, ARTHROPLASTY & FRACTURES • GRAND BALLROOM 3

ADVANCED REGISTRATION REQUIRED

12:20 Lunch With Non-CME Spotlight Sessions
Sign Up Mandatory
For A Full List of Spotlight Sessions, Please See Pages 59-60. You Must Sign Up To Enjoy Lunch

1:20 Dessert & Visit The Exhibits

1:45 OSTEOARTHRITIS & TOTAL SHOULDER ARTHROPLASTY - PART II
Moderator: Kevin W. Farmer, MD
Timekeepers: Larry D. Field, MD
Peter D. McCann, MD
Computer: Xavier A. Duralde, MD

1:45 Evolving Technique Update: Shoulder Arthritis In The Gym Rat/Bodybuilder: Why I Am Not Afraid
Anthony Miniaci, MD

1:50 Evolving Technique: Tensionable Subscapularis Repairs
Patrick J. Denard, MD

1:57 Evolving Technique: How To Make A Shoulder Anatomic Again: The Inlay Glenoid
Kevin W. Farmer, MD

2:04 Panel: How I Manage The Biconcave Glenoid In 65-Year-Old Pickleball Player
Panel Moderator: John W. Sperling, MD, MBA

2:04 Pro: Eccentric Reaming Is Enough For Me: Keep It Simple
Peter D. McCann, MD

2:11 Pro: Augmented Glenoids Are Here Now! Wake Up Old Guys
Jay D. Keener, MD

2:18 Pro: Stop The Nonsense & Do A Reverse Shoulder Replacement
Patrick St. Pierre, MD

2:25 Honored Professor Commentary: My Position: Has It Changed Over The Years For The Biconcave Glenoid?
Joseph P. Iannotti, MD, PhD

2:28 Panel: Perioperative Considerations In The Total Shoulder & Reverse Total Shoulder Patient: Keeping You Out Of The Courtroom
Panel Moderator: Quin Throckmorton, MD

2:28 Pro: Metal Allergies: Fact, Fiction, Or Just Crazy People
John W. Sperling, MD, MBA

2:35 Pro: Blood Management, DVT, TXA, To Clot Or Not To Clot, That Is The Question
Lawrence V. Gulotta, MD

2:42 Pro: Outpatient Total Shoulder Arthroplasty: It Is A Reality & How I Select My Patients
Quinn Throckmorton, MD

2:49 Evolving Technique Update: The 74-Year-Old Proximal Comminuted Humerus Fracture, Low Demand: Why I Go To The Reverse & Skip The Total Shoulder, ORIF Or Conservative Rehabilitation - Listen To My Words Of Wisdom
W.Z. (Buz) Burkhead, Jr., MD

2:54 Mini-Honored Professor Lecture: Maverick, It Is Not Top Gun: Don’t Worry About The Metal, I Can Still Tell You The Status Of The Rotator Cuff To Avoid The Wrong Procedure - Listen Up!
Holis G. Potter, MD

3:04 REVERSE SHOULDER ARTHROPLASTY FOR THE GENERAL ORTHOPAEDIC SURGEON: A PRIMER
Moderator: Gerald R. Williams, Jr, MD
Timekeepers: Larry D. Field, MD
Peter D. McCann, MD
Computer: Xavier A. Duralde, MD

Lawrence V. Gulotta, MD

3:11 How I Do The Perfect Reverse Shoulder Arthroplasty Every Time
Quinn Throckmorton, MD

3:19 A Hard Operation Made Easier: Learning How To Get In & Out Of Tight Places With A Reverse Shoulder Arthroplasty
W.Z. (Buz) Burkhead, Jr., MD

3:27 Evolving Technique: How I Revise A Total Shoulder To A Reverse Shoulder Arthroplasty, 7 Minutes, 7 Tips - Hold On To Your Seats
Joseph P. Iannotti, MD, PhD

3:34 BREAK & VISIT THE EXHIBITS

4:04 REVERSE SHOULDER ARTHROPLASTY FOR THE GENERAL ORTHOPAEDIC SURGEON: A PRIMER
Moderator: Gerald R. Williams, Jr, MD
Timekeepers: Joseph A. Abboud, MD
Jay D. Keener, MD
Computer: Lawrence V. Gulotta, MD


4:09 Panel: Reverse Shoulder Arthroplasty: So Many Types, Which Do I Choose? Prove Your Point - 7 Minutes Each Contestant
Panel Moderator: Robert Z. Tashjian, MD

4:09 Pro: The Medialized RSA Is The Answer!
Peter D. McCann, MD

4:16 Pro: No Way Mr. Chairman, Go Lateralized! It’s The Only Way - You Better Jump On Board
Patrick J. Denard, MD

4:23 Pro: Hybrid: The Answer Is Always In The Middle - Stop Being So Argumentative My Friends, Consensus!
Lawrence V. Gulotta, MD
4:30  **COMPLICATIONS IN REVERSE SHOULDER ARTHROPLASTY**  
Moderator: Quin Throckmorton, MD  
Timekeepers: Joseph A. Abboud, MD  
Jay D. Keener, MD  
Computer: Lawrence V. Gulotta, MD

4:30 Debate: 67-Year-Old Train Conductor With An Infected Reverse Shoulder Arthroplasty  
Debate Moderator: Felix H. “Buddy” Savoie, III, MD  
4:30  Pro: One Stage Remedy: Listen To The Steps, Understand How To Get Him Back To Work  
Kevin W. Farmer, MD  
4:36  Pro: Two Stage Correction Is Essential Otherwise You Will Fail My Friend  
John W. Sperling, MD, MBA

4:42 Evolving Technique Update: How I Deal With The Unstable Reverse  
Jay D. Keener, MD

4:47 Evolving Technique Update: The Revision Reverse Shoulder Arthroplasty: How I Do It And My Results!  
Gerald R. Williams, Jr., MD

4:52 Evolving Technique Update: The Acromial Stress Fracture: How I Treat, Should I Worry, How To Avoid  
Xavier A. Duralde, MD

4:57 Commentary: Reverse Shoulder Arthroplasty Mistakes I Have Made Along The Way  
Joseph P. Iannotti, MD, PhD

5:05 Evolving Technique Update Panel: Hot New Technology Topics in Reverse Shoulder Arthroplasty: A Rapid Fire Discussion  
Panel Moderator: Jae Chul Yoo, MD, PhD  
5:05  Pro: The Stemless Reverse: It Is Almost Here  
W.Z. (Buz) Burkhead, Jr., MD  
5:10  Pro: Platform Designs: Are They Passé Or Back To Stay  
Scott P. Steinmann, MD  
5:15  Pro: The Newest Bearing Materials  
Patrick J. Denard, MD

5:20 The RSA: How Young Is Too Young - What Do We Know?  
Gerald R. Williams, Jr., MD

5:28 Case Presentations with Questions & Answers: Rapid Fire, Everything Arthroplasty  
Panel Moderators: Joseph A. Abboud, MD  
Lawrence V. Gulotta, MD  
Case Panel: W.Z. (Buz) Burkhead, Jr., MD  
Patrick J. Denard, MD  
Joseph P. Iannotti, MD, PhD  
Felix H. “Buddy” Savoie, III, MD  
John W. Sperling, MD, MBA  
Scott P. Steinmann, MD  
Patrick St. Pierre, MD  
Quin Throckmorton, MD  
Gerald R. Williams, Jr., MD

6:00 End of CME Educational Shoulder Program

7:05 THE MEDIAL ELBOW: THE DREADED PHONE CALL FROM THE COACH & THE CADDY  
Moderator: Larry D. Field, MD  
Timekeepers: Larry D. Field, MD  
Noah D. Weiss, MD  
Computer: George A. Paletta, Jr., MD, MBA

7:05 Debate: 12-Year-Old Little League Star Pitcher With A Medial Epicondyle Fracture  
Debate Moderator: George A. Paletta, Jr., MD, MBA  
7:05  Pro: Fix It & You Know He Will Be Back On The Mound Soon  
William Geissler, MD  
7:11  Pro: Don’t Be Ridiculous, Place Him In A Cast, You Know It Is Going To Work - He Is 12-Years-Old  
Mark E. Baratz, MD

7:17 Panel: 36-Year-Old Club Champion Golfer With A 3-Year History Of Medial Epicondylitis, EMG Negative, Ulnar Nerve Paresthesias  
Panel Moderator: Carl J. Basamania, MD  
7:17  Pro: Debridement Is Essential With Transposition Of The Nerve  
Mark S. Rekant, MD

7:24  Pro: Debridement And Don’t You Dare Touch The Nerve!  
Neal C. Chen, MD

Claude T. Moorman, III, MD

7:38 Evolving Technique Update: My Experience With Acute Repairs Of The MCL  
Larry D. Field, MD

7:43 Evolving Technique: How I Reconstruct The Medial Collateral Ligament: 7 Tips, 7 Minutes  
Neal S. ElAttrache, MD
7:50  SOLVING THE MYSTIQUE OF THE LATERAL ELBOW & RADIAL TUNNEL
Moderator: David S. Ruch, MD
Timekeepers: Larry D. Field, MD
Noah D. Weiss, MD
Computer: George A. Paletta, Jr., MD, MBA

Panel: 42-Year-Old Zamboni Driver With Lateral Elbow Pain And Chronic Ache In The Mobile Wad That Radiates Down To His Wrist For The Last 9 Months
Panel Moderator: Mark E. Baratz, MD
7:50  Pro: Ice, Ice, Baby! Nonoperative Treatment: This Will Resolve On Its Own - Let Me Show You The Facts
L. Andrew Koman, MD
7:57  Pro: Listen Up! Treat Only The Tennis Elbow With An Operation, Don't Get Caught In Making A Mistake
George A. Paletta, Jr., MD, MBA
8:04  Pro: Wrong Gentleman! You Want Success? Treat The Tennis Elbow & Decompress The Nerve - Let Me Explain To You And Your Future Patients
Raffy Mirzayan, MD
8:11  Commentary: Let's Try To Put It All Together In 3 Minutes
Carl J. Basamania, MD

8:14 Honored Professor Lecture: How I Manage The Failed Tommy John: Lessons Learned, Time To Share
Neal S. ElAttrache, MD

8:29 Mini-Honored Professor Lecture: The Role Of MRI In Adolescent & Adult Elbow Pain: Can Definitive Diagnoses Be Determined? From MCL, LCL, Fracture & Much More - 10 Whirlwind Tips
Hollis G. Potter, MD

8:39 ELBOW FRACTURE: THE TERRIBLE TRIAD
Moderator: Mark E. Baratz, MD
Timekeepers: Noah D. Weiss, MD
Larry D. Field, MD
Computer: George A. Paletta, Jr., MD, MBA

Panel: A 60-Year-Old Obese Female With A Terrible Triad: My Secrets Revealed
Panel Moderator: Scott P. Steinmann, MD
8:39  Pro: Fix The Radial Head And The Whole Lateral Ligament Complex
Jesse B. Jupiter, MD
8:45  Pro: Use The Internal Fixator To Gain Stability & Results
Nathan Hoekzema, MD
8:51  Pro: I Fix The Radial Head And You Both Have Forgotten The Coronoid To Avoid Any Future Instability
Mark E. Baratz, MD

8:57 Evolving Technique: The Unstable Elbow: You Are Still Not Listening - My Way To Save The Joint
Nathan Hoekzema, MD
### THURSDAY, DECEMBER 12, 2019 | GENERAL SESSION

#### HAND, WRIST & ELBOW • MONET 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Moderator</th>
<th>Timekeepers</th>
<th>Computer</th>
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<tbody>
<tr>
<td>10:52</td>
<td><strong>OSTEOARTHRITIS OF THE ELBOW</strong>&lt;br&gt;<strong>Moderator:</strong> Mark S. Rekant, MD&lt;br&gt;<strong>Timekeepers:</strong> Mark S. Rekant, MD&lt;br&gt;<strong>David S. Ruch, MD</strong>&lt;br&gt;<strong>Computer:</strong> William Geissler, MD</td>
<td>Mark S. Rekant, MD</td>
<td>David S. Ruch, MD</td>
<td>William Geissler, MD</td>
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<tr>
<td>10:52</td>
<td>Evolving Technique Update: A 55-Year-Old Bodybuilder With Elbow Pain At Terminal Extremes Of Flexion/Extension: Osteocapsulectomy Done Arthroscopically&lt;br&gt;Felix H. “Buddy” Savoie, III, MD</td>
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<td>11:02</td>
<td>Total Elbow Replacement: The Complications I Have Seen And How I Have Managed Them&lt;br&gt;Marc J. Richard, MD</td>
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<td>11:10</td>
<td>Evolving Technique Update: Periprosthetic Fractures Of The Elbow&lt;br&gt;David Ruch, MD</td>
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<td>11:15</td>
<td><strong>POSTEROLATERAL ROTATORY INSTABILITY: A QUICK PRIMER - HOW I DO IT</strong>&lt;br&gt;<strong>Moderator:</strong> Carl J. Basamania, MD&lt;br&gt;<strong>Timekeepers:</strong> Mark S. Rekant, MD&lt;br&gt;<strong>David S. Ruch, MD</strong>&lt;br&gt;<strong>Computer:</strong> William Geissler, MD</td>
<td>Carl J. Basamania, MD</td>
<td>Mark S. Rekant, MD</td>
<td>William Geissler, MD</td>
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<tr>
<td>11:15</td>
<td>Evolving Technique Update: Unrecognized Posterialateral Rotatory Instability Fixed My Way - The Standard Open Ligament Reconstruction&lt;br&gt;Larry D. Field, MD</td>
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<tr>
<td>11:25</td>
<td>Elbow Arthroscopy: Avoiding Major Peripheral Nerve Injuries - My Secrets&lt;br&gt;Marc J. Richard, MD</td>
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<td>11:31</td>
<td><strong>THE ADOLESCENT ELBOW</strong>&lt;br&gt;<strong>Moderator:</strong> William Geissler, MD&lt;br&gt;<strong>Timekeepers:</strong> Mark S. Rekant, MD&lt;br&gt;<strong>David S. Ruch, MD</strong>&lt;br&gt;<strong>Computer:</strong> William Geissler, MD</td>
<td>William Geissler, MD</td>
<td>Mark S. Rekant, MD</td>
<td>William Geissler, MD</td>
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**CME/CEU Certificates**

1. After the meeting, log in to My Account at www.OrthoSummit.com
2. Click “Take CME/CCU Survey”
3. Update/Confirm Contact Information and Complete the CME/CCU Course Evaluation
4. Download CME/CCU Certificate
6:55 Welcome & Introduction
Founder
Kevin D. Plancher, MD, MPH
Foot & Ankle Co-Chairs
Mark Glazebrook, MSc, PhD, MD
James W. Stone, MD
Honored Professors
Hollis G. Potter, MD
Bruce J. Sangeorzan, MD

7:00 ANKLE ARTHRITIS
Moderator: James W. Stone, MD
Timekeepers: Timothy R. Daniels, MD
Troy S. Watson, MD
Computer: Mark Glazebrook, MSc, PhD, MD

7:00 Evolving Technique Update: Ankle Arthrodesis & Total Ankle Arthroplasty After Failed Osteochondral Allograft Transplantation: Which Procedure Is The Right One To Use
Kenneth Hunt, MD

7:05 Panel: 53-Year-Old Baggage Handler 25 Years Status Post ORIF Trimalleolar Ankle Fracture In Non-Stop Pain
Panel Moderator: MaCalus V. Hogan, MD
7:05 Pro: Open Arthrodesis: The Canadian Way - I Will Show You How, Less Healthcare Dollars, & Proven Track Record!
Mark Glazebrook, MSc, PhD, MD
7:12 Pro: Arthroscopic Fusion: American Innovation, Accuracy & Great Long Term Results
James W. Stone, MD
7:19 Pro: Total Ankle Replacement: Canadian Style - Better Prosthesis, It Makes For Better Results
Timothy R. Daniels, MD

7:26 Honored Professor Lecture: Arthrodesis Versus TAR: Gait Analysis & Long-Term Outcomes
Bruce J. Sangeorzan, MD

7:36 OUTCOMES & COMPLICATIONS AFTER TOTAL ANKLE REPLACEMENT
Moderator: Mark Glazebrook, MSc, PhD, MD
Timekeepers: Timothy R. Daniels, MD
Troy S. Watson, MD
Computer: Mark Glazebrook, MSc, PhD, MD

7:36 Evolving Technique Update: Evaluation Of The Failed Total Ankle Replacement: What I Do - 5 Tips In 5 Minutes
Keith L. Wapner, MD

7:41 Honored Professor Lecture: Complications I Have Seen With Total Ankle Replacement & How To Avoid Them
Bruce J. Sangeorzan, MD

7:51 OSTEochondRAl LESIONS OF THE TALUS
Moderator: James W. Stone, MD
Timekeepers: Timothy R. Daniels, MD
Troy S. Watson, MD
Computer: Mark Glazebrook, MSc, PhD, MD

7:51 Panel: 21-Year-Old Soccer Player With Recurrent Mild Ankle Sprains And Increasing Medial Joint Pain And 1.3-cm Osteochondral Lesion Of The Talar Dome
Panel Moderator: James A. Nunley, MD, MS
7:51 Pro: Debridement And Abrasion: It’s Simple And Yields Great Results - Watch Me!
James W. Stone, MD
7:58 Pro: Osteochondral Autograft Transplant Reliably Decreases Pain And Allows Return To Sport
Phinit Phisitkul, MD
8:05 Pro: MACI & Newer Techniques: I Told You This Before - Wake Up Everyone!
Gregory C. Berlet, MD
8:12 Pro: Jump Into The 21st Century: Articular Cartilage Graft Alternatives
Monika Volesky, MDCM, FRCS
8:19 Pro: Articular Cartilage Graft Alternatives: I Have All The Answers - Stop & Think Of Cells, Biologics Improve Results
A. Holly Johnson, MD

8:26 Evolving Technique: The Role Of Osteotomy For The Treatment Of Osteochondral Lesions Of The Talar Dome - Listen Up!
Phinit Phisitkul, MD

8:33 Case Presentations With Questions And Answers: Complications In Ankle Arthritis, The Failed Total Ankle Replacement, Osteochondral Defects & More
Case Panel Moderator: James W. Stone, MD
Alastair S. Younger, MB, ChB, MSc, ChM
Case Panel: Robert B. Anderson, MD
Gregory C. Berlet, MD
Timothy R. Daniels, MD
Mark Glazebrook, MSc, PhD, MD
Mark E. Easley, MD
A. Holly Johnson, MD
Phinit Phistikul, MD
Keith L. Wapner, MD
Troy S. Watson, MD

8:56 POSTERIOR IMPINGEMENT
Moderator: A. Holly Johnson, MD
Timekeepers: Timothy R. Daniels, MD
Troy S. Watson, MD
Computer: Mark Glazebrook, MSc, PhD, MD

8:56 Evolving Technique Update: Diagnosing Posterior Impingement: 5 Tips In 5 Minutes
Monika Volesky, MDCM, FRCS
### 9:01 Panel: 26-Year-Old Ballerina With Posterior Ankle Pain When She Is En Pointe

**Panel Moderator:** James A. Nunley, MD, MS

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:01</td>
<td>Pro: Open Os Trigonum Excision: 10 Minute Case With Fast Recovery</td>
<td>MaCalus V. Hogan, MD</td>
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<tr>
<td>9:08</td>
<td>Pro: Lateral Arthroscopic Subtalar Approach: Direct VIS With Minimal Incision</td>
<td>Kenneth Hunt, MD</td>
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<tr>
<td>9:15</td>
<td>Pro: Direct Posterior Approach: There Is More To Fix In The Posterior Ankle Pain</td>
<td>James W. Stone, MD</td>
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### 9:22 INNOVATION IN FOOT & ANKLE SURGERY

**Moderator:** Troy S. Watson, MD

**Timekeepers:** Timothy R. Daniels, MD; Troy S. Watson, MD

**Computer:** Mark Glazebrook, MSc, PhD, MD

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<tbody>
<tr>
<td>9:22</td>
<td>Evolving Technique Update: Weightbearing CT Scan Of The Foot &amp; Ankle: It's The Real Deal</td>
<td>Keith L. Wapner, MD</td>
</tr>
<tr>
<td>9:27</td>
<td>Evolving Technique Update: CT Spec Scanning: Clinical Applications - Get Off Your Feet, This Is Cool &amp; Easy</td>
<td>Mark Glazebrook, MSc, PhD, MD</td>
</tr>
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### 9:32 BREAK & VISIT THE EXHIBITS

### 10:10 THE FOREFOOT: HALLUX VALGUS & SPORT INJURIES

**Moderator:** Michael J. Coughlin, MD

**Timekeepers:** A. Holly Johnson, MD; James W. Stone, MD

**Computer:** Mark E. Easley, MD

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<tbody>
<tr>
<td>10:10</td>
<td>Evolving Technique Update: Evaluating Bunions: My Secrets To Avoid Failure</td>
<td>Michael J. Coughlin, MD</td>
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<tr>
<td>10:15</td>
<td>Mini-Panel: 48-Year-Old Advertising Executive Wearing Her 6-Inch Heels: I Can't Fit My Toe In My Shoes</td>
<td>Panel Moderator: James W. Stone, MD</td>
</tr>
<tr>
<td>10:21</td>
<td>Pro: Understanding When Soft Tissue Surgery Is All You Need</td>
<td>Michael J. Coughlin, MD</td>
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<tr>
<td>10:27</td>
<td>Pro: The Role Of Osteotomy In Bunion Correction</td>
<td>Troy S. Watson, MD</td>
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<tr>
<td>10:33</td>
<td>Pro: The Lapidus Procedure: When The Tarsometatarsal Joint Must Be Addressed</td>
<td>James A. Nunley, MD, MS</td>
</tr>
<tr>
<td>10:39</td>
<td>Pro: Minimally Invasive Surgery: Small Incisions &amp; Few Complications</td>
<td>Peter G. Mangone, MD</td>
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### 10:49 The Hallux Varus: A Complication Of Bunion Surgery - How I Make You Look Good

**Speaker:** Michael J. Coughlin, MD

### 10:57 21-Year-Old Female Marathon Runner With Forefoot Pain: How To Get Her Back Running

**Speaker:** Monika Volesky, MD, MDCM, FRCSC

### 11:05 Evolving Technique Update: The Female Athlete With Overuse Forefoot Pain: 5 Tips In 5 Minutes

**Speaker:** A. Holly Johnson, MD

### 11:10 Case Presentations With Questions & Answers: Bunion And Lesser Toe Deformities

**Case Panel Moderator:** Michael J. Coughlin, MD

**Case Panel:** Judith F. Baumhauer, MD, MPH; MaCalus V. Hogan, MD; Kenneth Hunt, MD; Peter G. Mangone, MD; Phinit Phisitkul, MD; Keith L. Wapner, MD; Troy S. Watson, MD; Alastair S. Younger, MB, ChB, MSc, ChM

### 11:30 THE MIDFOOT

**Moderator:** Alastair S. Younger, MB, ChB, MSc, ChM

**Timekeepers:** A. Holly Johnson, MD; James W. Stone, MD

**Computer:** Mark E. Easley, MD

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<tr>
<td>11:30</td>
<td>Evolving Technique: The 18-Year-Old Army Recruit With Pain Over The Navicular: Treating Stress Fractures With ORIF Versus Biologic Augmentation</td>
<td>Robert B. Anderson, MD</td>
</tr>
<tr>
<td>11:37</td>
<td>Evolving Technique: The Ever Present Jones Fracture: Everything You Need To Know To Be Successful In 2019</td>
<td>Martin O'Malley, MD</td>
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### 11:44 THE DIABETIC FOOT

**Moderator:** James W. Stone, MD

**Timekeepers:** A. Holly Johnson, MD; James W. Stone, MD

**Computer:** Mark E. Easley, MD

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<tr>
<td>11:44</td>
<td>Honored Professor Lecture: Surgery For Hindfoot/ Midfoot Charcot: What Really Works</td>
<td>Bruce J. Sangeorzan, MD</td>
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<tr>
<td>11:54</td>
<td>How I Approach Nonoperative Treatment Of Diabetic Foot Ulcers</td>
<td>Mark Glazebrook, MSc, PhD, MD</td>
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### 12:02 Mini-Panel: 63-Year-Old With Minimally Displaced Trimalleolar Ankle Fracture: HbA1C 9, Venous Stasis

**Panel Moderator:** Gregory C. Berlet, MD

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<tbody>
<tr>
<td>12:02</td>
<td>Pro: Nonoperative Treatment: Avoid The Worst Complications</td>
<td>Judith F. Baumhauer, MD, MPH</td>
</tr>
<tr>
<td>12:08</td>
<td>Pro: Traditional ORIF: Must Achieve Stability To Avoid Charcot</td>
<td>MaCalus V. Hogan, MD</td>
</tr>
<tr>
<td>12:14</td>
<td>Pro: MIS: If There Ever Was A Case, This Is It!</td>
<td>Alastair S. Younger, MB, ChB, MSc, ChM</td>
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### 12:20 End of CME Educational Foot & Ankle Program
THURSDAY, DECEMBER 12, 2019 | CONCURRENT SESSION

ADVANCED PRACTITIONER SUMMIT • CÉZANNE 1 & 2

ADVANCED REGISTRATION REQUIRED

12:20 Lunch With Non-CME Spotlight Sessions
Sign Up Mandatory
For A Full List of Spotlight Sessions, Please See Pages 59-60. You Must Sign Up To Enjoy Lunch

1:20 Dessert & Visit The Exhibits

ADVANCED PRACTITIONER: SUMMIT • CÉZANNE 1 & 2

1:00 Welcome & Introduction
Founder
Kevin D. Plancher, MD, MPH
Chair
Charles A. Thigpen, PT, PhD, ATC
Distinguished Professor
Todd S. Ellenbecker, DPT, MS

1:00 LIVE CADAVERIC DISSECTION: SURGICAL CONSIDERATIONS OR UNDERSTANDING SHOULDER REHABILITATION
Timekeepers: Sue Falsone, PT, MS
Charles A. Thigpen, PT, PhD, ATC

1:05 CADAVERIC DEMONSTRATION
SURGICAL TECHNIQUES ROTATOR CUFF TEARS: FROM REPAIR TO PATCHES
Surgery Moderator: Charles A. Thigpen, PT, PhD, ATC
Surgeon: Michael Kissenberth, MD

1:50 CADAVERIC DEMONSTRATION
SURGICAL MANAGEMENT OF SHOULDER INSTABILITY: ARTHROSCOPIC TO OPEN & LATERJET
Surgery Moderators: Ellen Shanley, PhD, PT, OCS
Surgeon: Jeffrey S. Abrams, MD

2:35 RETURN TO SPORT: WHAT’S THE REHAB FOR SHOULDER INSTABILITY
Moderator: Lane Bailey, PT, PhD
Timekeepers: Sue Falsone, PT, MS
Charles A. Thigpen, PT, PhD, ATC

2:35 Panel: 23-Year-Old Baseball Pitcher Deciding What To Do For His 2-Time Dislocated Shoulder
Panel Moderator: Timothy Uhl, PhD, ATC, PT

2:35 Pro: Killing Dogma: Nonoperative Versus Surgical Treatment - Does It Really Make A Difference
Ellen Shanley, PhD, PT, OCS

2:42 Pro: Who & What Rehab Makes A Difference For The Latarjet Or Arthroscopic Bankart
Charles A. Thigpen, PT, PhD, ATC

Bronwyn Spira, PT

Eric C. McCarty, MD

3:03 My Approach To Shoulder Instability: Picking The Right Patient, Picking The Right Surgery
John E. “Jed” Kuhn, MD

3:13 GOOD-BYE MYTHS OF THE OVERHEAD ATHLETE
Moderator: Lori Michener, PT, ATC, PhD
Timekeepers: Sue Falsone, PT, MS
Charles A. Thigpen, PT, PhD, ATC

3:13 Debate: 18-Year-Old High School Volleyball Athlete With Pain & Inability To Spike The Ball
Debate Moderator: Lori Michener, PT, ATC, PhD

3:19 Pro: GIRD: Outdated Belief & Perhaps Just A Normal ROM Deficit
Ellen Shanley, PhD, PT, OCS

3:25 My Thoughts Of Shoulder Instability & Treating The In-Season & Out-Of-Season Athlete
Michael Kissenberth, MD

3:35 BREAK AND VISIT THE EXHIBITS

4:04 MY BAG OF TRICKS WITH NEW TECHNOLOGY & RETURN TO SPORT
Moderator: Charles A. Thigpen, PT, PhD, ATC
Timekeepers: Lori Michener, PT, ATC, PhD
Ellen Shanley, PhD, PT, OCS

4:04 Evolving Technique Update: Video Analysis, Wearables, And Spin Rate To Optimize Performance and Prevent Injury
Timothy Uhl, PhD, ATC, PT

4:09 Evolving Technique Update: Weighted Balls Performance Enhancer Or Arm Killer?
Charles A. Thigpen, PT, PhD, ATC

4:14 Evolving Technique Update: In-Season Management Of The Throwing Athlete: How I Do It When They Can’t Stop Throwing
Sue Falsone, PT, MS

4:19 Evolving Technique Update: How Do I Know My Thrower Can Return To Sport?
Ellen Shanley, PhD, PT, OCS

CHAIRMAN’S RECEPTION

Join Us With Your Significant Other
Thursday, December 12th
7:15–8:45PM
Exhibit Hall:
Grand Ballroom 1, 2, 4, 5, 8
4:24 Case Presentations With Questions & Answers: Challenges In Return To Sport For The Shoulder  
Case Panel Moderators: Ellen Shanley, PhD, PT, OCS  
Charles A. Thigpen, PT, PhD, ATC  
Case Panel: Jeffrey S. Abrams, MD  
Todd S. Ellenbecker, DPT, MS  
Sue Falsone, PT, MS  
Larry D. Field  
Spero G. Karas  
Mike Kissenberth  
John E. “Jed” Kuhn, MD  
Lori Michener, PT, ATC, PhD  
Timothy Uhl, PhD, ATC, PT

4:54 RETURN TO SPORT WHEN I HAVE COMPLICATIONS: WHAT’S THE REHAB FOR ROTATOR CUFF TEARS  
Moderator: Bronwyn Spira, PT  
Timekeepers: Lori Michener, PT, ATC, PhD  
Ellen Shanley, PhD, PT, OCS

4:54 My Patient Has A Rotator Cuff Tear: It’s Small, I Know Who Will Respond To Therapy  
Lori Michener, PT, ATC, PhD

5:02 28-Year-Old Female With A Painful & Stiff Shoulder Following Rotator Cuff Repair! What I Do!  
Todd S. Ellenbecker, DPT, MS

5:10 47-Year-Old Pickleball Player With A Fixed, Massive Rotator Cuff Tear: How I Restore The Motion  
Timothy Uhl, PhD, ATC, PT

5:18 The Irreparable, Massive Rotator Cuff Tear: It Can Be Reparable At Times: Let Me Teach You Some Things  
Jeffrey S. Abrams, MD

5:28 Distinguished Professor Lecture: Rotator Cuff Repair In The Older, Active Patient: Can They Return To Overhead Sports?  
Todd S. Ellenbecker, DPT, MS

5:40 Case Presentations With Questions & Answers: The Shoulder: A PotPourri Of Answers  
Case Panel Moderators: Alan S. Curtis, MD  
Charles A. Thigpen, PT, PhD, ATC  
Case Panel: Jeffrey S. Abrams, MD  
Steve Brockmeier, MD  
Todd S. Ellenbecker, DPT, MS  
Sue Falsone, PT, MS  
Larry D. Field  
Spero G. Karas  
Mike Kissenberth  
Lori Michener, PT, ATC, PhD

6:00 Wrap up and Summary  
Charles A. Thigpen, PT, PhD, ATC  
Todd S. Ellenbecker, DPT, MS

6:02 End of CME Educational Advanced Practitioner Program
7:47 Evolving Technique Update: Ramp Lesions Is This A European Thing: Identification, Significance & How I Repair Them
Darren L. Johnson MD

7:52 16-Year-Old Female With A Lateral Meniscal Cyst: One Time Surgery That Works Everytime! Don’t Miss This
George A. Paletta, Jr., MD, MBA

8:00 Meniscal Scaffolds: Is There Any Evidence In 2019 For Their Use?
Konrad Slynarski, MD, PhD

8:08 Meniscus Transplantation: Who Gets It, How We Do It, When You Should Do It, And Why You Need To Know How
Thomas R. Carter, MD

8:16 Rapid Fire Case Presentations With Questions & Answers: Meniscus Tears From Simple To Complex
Case Panel Moderators: Nicholas A. Sgaglione, MD Charles A. Bush-Joseph, MD
Case Panel: Annunziato Amendola, MD Kevin F. Bonner, MD Thomas R. Carter, MD Julie A. Dodds, MD Alan Getgood MD, FRCS (Tr and Orth), DIP SEM Christopher C. Kaeding, MD Louis F. McIntyre, MD George A. Paletta, Jr., MD, MBA Seth Lawrence Sherman, MD Konrad Slynarski, MD, PhD

8:39 THE EARLY OSTEOARTHRITIC PATIENT: SO MANY CHOICES TO INJECT
Moderator: Julie A. Dodds, MD
Timekeepers: Kevin F. Bonner, MD George A. Paletta, Jr., MD, MBA
Computer: Thomas R. Carter, MD

8:39 Mini-Panel: 46-Year-Old Wall Street Banker With Too Much Money To Burn, Wants To Still Play Basketball With His 16-Year-Old Son
Panel Moderator: Thomas R. Carter, MD
8:39 Pro: A New Kid On The Block A Long-Acting Steroid - What Is The Science, Who Do You Use It In, I Have Been Amazed
Kevin D. Plancher, MD, MPH
8:45 Pro: Third Generation Hyaluronic Acid Injections: They Are Coming Back, Don’t Miss The Wave, You Can Get Paid
Kenneth R. Zaslav, MD
8:51 Pro: PRP: Leukocyte-Rich, Leukocyte Poor, Are We Being Conned? What You Need To Know!
Brian D. Busconi, MD
8:57 Pro: BMAC: In-Office Or In The Operating Room - How I Use It & Why You Should Select Me
Nicholas A. Sgaglione, MD
9:03 Pro: Fat Harvest: You Want The Highest Concentration? I Will Prove It To You - All Science, All Results, Listen Up!
Claude T. Moorman, III, MD

9:09 Case Based Q&A And Biologics Discussion: Pick The Procedure, Tell Me The Cost, Give Me The Outcome
Case Panel Moderators: Seth Lawrence Sherman, MD Bert Roland Mandelbaum, MD
Case Panel: Don Buftord, MD Thomas M. DeBerardino, MD Jack Farr, MD Joanne H. Halbrecht, MD Sean McMillan, DO, FAOAO Claude T. Moorman, III, MD Nicholas A. Sgaglione, MD C. Thomas Vangsness, MD Kenneth R. Zaslav, MD

9:30 BREAK & VISIT THE EXHIBITS

10:00 UNDERSTANDING YOUR PATIENT MRI VERSUS IN-OFFICE ARTHROSCOPY
Moderator: Charles A. Bush-Joseph, MD
Timekeepers: Julie A. Dodds MD
Computer: George A. Paletta, Jr., MD, MBA

10:00 Honored Professor Lecture: Quantitative MRI Of The Knee: What I Can Tell You About Meniscus & Articular Cartilage Repairs - I Can Help You To Write For A Proper Rehab Program
Hollis G. Potter, MD

10:15 In-Office Arthroscopy: Why Aren’t You Doing It, Instant Feedback For Patients & You
Sean McMillan, DO, FAOAO

10:23 ARTICULAR CARTILAGE & THE FUTURE OF ORTHOPAEDIC SURGERY
Moderator: Kevin F. Bonner MD
Timekeepers: Julie A. Dodds MD
Computer: George A. Paletta, Jr., MD, MBA

10:23 Evolving Technique: Alignment: It Is Where It All Begins, Without It Everything Else Fails - Forget Your Cartilage Procedure
Annunziato Amendola, MD

10:30 Mini-Panel: An 18-Year-Old Football & Rugby Player With A 16-mm Diameter Femoral Condyle Lesion (2cm²), My Treatment Is:
Panel Moderator: Seth Lawrence Sherman, MD
10:30 Pro: Marrow Stimulation: Cheap, Easy And It Can Work Here
Christopher C. Kaeding, MD
10:36 Pro: Osteochondral Autograft Transfer: Fastest Recovery, Donor Site Morbidity, So Overrated
David R. Diduch, MD, MS
10:42 Pro: Arthroscopic Osteochondral Allografts: My “Go To” For These Small Lesions
Kevin F. Bonner, MD

DID YOU ENTER? VIRTAMEDIC
Arthroscopy Competition?
10:48 Panel: 30-Year-Old With A 20X18 mm Patella Defect, Medial Facet, Cells Vs. Plugs
Panel Moderator: Andreas H. Gomoll MD
10:48 Pro: MACI Is Now The Answer - Listen To Me!
Christian Lattermann, MD
10:55 Pro: Cryopreserved, Flexible Allografts: Don’t Give Up On Them
Seth Lawrence Sherman, MD
11:02 Pro: Fresh Osteochondral Allografts: Don’t Waste Your Time With Other Things - Forget About Cell-Based Therapy
Thomas M. DeBerardino, MD, FAOA

11:09 Mini-Panel: 17-Year-Old Basketball Player With A Locked Knee: 2.5X1.5 Medial Femoral Condyle Loose OCD Fragment - What I Do
Panel Moderators: Andreas H. Gomoll, MD
Christian Lattermann, MD
11:09 Pro: Throw Out The Piece, Let’s See How He Does, Probably Nothing More
Samuel A. Taylor, MD
11:15 Pro: Autologous OATS Right Away, No Second Thoughts, Here’s Why
Adam B. Yanke, MD, PhD
11:21 Pro: MACI: I’m Not Waiting, He’s On My OR Schedule
Daniel B.F. Saris, MD, PhD
11:27 Pro: Fresh Allograft: Why Is There Any Thought Process
Rachel M. Frank, MD

11:33 Debate: A 39-Year-Old Hedge Fund Banker From Greenwich, CT With An Isolated 3cm Medial Femoral Condyle Defect Grade III/IV
Debate Moderator: Annunziato Amendola, MD
11:33 Pro: HTO And Get Out: Show Me Evidence Otherwise
Alan Getgood MD, FRCS (Tr and Orth), DIP SEM
11:39 Pro: HTO With A Definitive Cartilage Procedure: Don’t Make The Mistake!
Christian Lattermann, MD
11:45 Commentary: The Future Is Here! Europe Knows, Wake Up US, Time For Metal - Say What?
Leif Ryd, MD

11:50 Case Presentations With Questions & Answers: Now Here There Is Controversy!
Case Panel Moderators: Kevin F. Bonner, MD
Nicholas A. Sgaglione, MD
Case Panel: Annunziato Amendola, MD
Thomas M. DeBerardino, MD
Jack Farr, MD
Rachel M. Frank, MD
Alan Getgood MD, FRCS (Tr and Orth), DIP SEM
Andreas H. Gomoll, MD
Christian Lattermann, MD
Leif Ryd, MD
Daniel B.F. Saris, MD, PhD
Seth Lawrence Sherman, MD
FRIDAY, DECEMBER 13, 2019 | GENERAL SESSION

KNEE SPORTS, CARTILAGE & BIOLOGICS • BELLAGIO BALLROOM 2, 3, 4, 6, 7

3:11  OSTEOTOMIES: SO MANY TYPES, IT IS BACK IN THE USA, YOU NEED TO KNOW HOW TO DO IT SUCCESSFULLY - PART I  
Moderator: Annunziato Amendola, MD  
Timekeepers: Thomas M. DeBerardino, MD  
Seth Lawrence Sherman, MD  
Computer: Annunziato Amendola, MD

3:11  Evolving Technique: Medial Opening Wedge HTO: Stop Worrying - Let Me Show You How  
Armando Vidal, MD

3:18  Evolving Technique: Medial Closing And Lateral Opening High Tibial Osteotomy: It Is Not A Dying Art - When I Do It, How I Do It To Not Get Into Trouble  
Alan Getgood MD, FRCS (Tr and Orth), DIP SEM

3:25  How To Successfully Perform A Femoral Osteotomy  
Annunziato Amendola, MD

3:33  BREAK & VISIT THE EXHIBITS

3:59  OSTEOTOMIES: SO MANY TYPES, IT IS BACK IN THE USA, YOU NEED TO KNOW HOW TO DO IT SUCCESSFULLY - PART II  
Moderator: Annunziato Amendola, MD  
Timekeepers: Sean McMillan, DO, FAOAO  
Nicholas A. Sgaglione, MD  
Computer: Christopher C. Kaeding, MD

3:59  Evolving Technique Update: Lateral Opening Wedge Distal Femoral Osteotomy: Let Me Show You How  
Seth Lawrence Sherman, MD

4:04  Evolving Technique Update: Medial Closing Distal Femoral Osteotomy: Let Me Show You How  
Alan Getgood MD, FRCS (Tr and Orth), DIP SEM

4:09  Evolving Technique: The 33-Year-Old Former D1 Collegiate Athlete With Medial Compartment Osteoarthritis & Unremitting Pain: I Use The Internal Unloader- What Are You All Waiting For?  
Andreas H. Gomoll, MD

Annunziato Amendola, MD

4:28  THE FINAL SHOWDOWN: SPORTS DOCS VERSUS ARTHROPLASTY DOCS - DEBATE TO THE DEATH  
Moderators: Annunziato Amendola, MD  
Michael J. Kaplan, MD  
Kevin D. Plancher, MD, MPH  
Timekeepers: Sean McMillan, DO, FAOAO  
Nicholas A. Sgaglione, MD  
Computer: Christopher C. Kaeding, MD

4:28  Mini-Panel: 48-Year-Old Male Laborer With KL-II/III Medial Compartment Osteoarthritis And 6 Degrees Of Varus  
Panel Moderator: Nicholas A. Sgaglione, MD

4:28  Pro: Injections Are The Way To Go, I Will Tell You What I Use  
Claude T. Moorman, III, MD

4:33  Pro: Osteotomy, Cartilage, And/Or Meniscus Transplant Procedure Every Time  
Alan Getgood MD, FRCS (Tr and Orth), DIP SEM

4:38  Pro: Stop The Nonsense: Arthroplasty One And Done!  
Fred D. Cuscheri, MD

4:43  Rebuttal & Commentary  
Annunziato Amendola, MD

4:51  Mini-Panel: 35-Year-Old Non-Athletic Female Status Post Lateral Meniscectomy: Asymmetric Valgus, KL II And Lateral Meniscus Deficiency  
Panel Moderator: William R. Beach, MD

4:51  Pro: Injections Are The Way To Go, I Will Tell You What I Use  
C. Thomas Vangsness, MD

4:56  Pro: Osteotomy, Cartilage And/Or Meniscus Transplant Procedure Every Time  
Christian Luttermann, MD

5:01  Pro: Stop The Nonsense: Arthroplasty One And Done!  
Michael J. Kaplan, MD

5:06  Rebuttal & Commentary  
Rebuttal Moderator: Annunziato Amendola, MD

5:14  Mini-Debate: 49-Year-Old Weekend Warrior, Former Collegiate Tennis Player With A 1.5x1.5cm Defect Medial Femoral Condyle Prior ACL Reconstruction At Age 21 While Playing Club Rugby With 2+ Patellofemoral Crepitus & A Kellgren Lawrence II: He Reads The Internet & Is Confused And Wants Guidance How To Return To Tennis & What Is Best For The Next 40 Years  
Debate Moderator: Annunziato Amendola, MD

5:14  Pro: Go With Biologic Cartilage/Osteotomy: My Knee Will Be Better Without Metal & Plastic  
Alan Getgood MD, FRCS (Tr and Orth), DIP SEM

5:19  Pro: Don’t Stall, It Is Time For The Total Knee Arthroplasty Done Well: It Serves Him For The Rest Of His Life  
Thorsten M. Seyler, MD, PhD

5:24  Rebuttal & Commentary  
Rebuttal Moderator: John C. Richmond, MD

5:30  End of CME Educational Knee Sports, Cartilage & Biologics Program

ALL REGISTRANTS INVITED

5:30 - 6:45  Achieving and Maintaining Success in Your Practice: Are You Ready?  
Sponsored by Pacira  
Non-CME

Room: Bellagio Ballroom 5  
Faculty: Joseph Bosco, MD  
David Glaser, JD  
Nicole Hawkinson, DNP, RN, RNFA  
Ira H. Kirshenbaum, MD  
Craig McAllister, MD  
Scott Sigman, MD  
Cheryl Toth, MBA, Karen Zupco and Assoc  
Scott Zeitzer

For A Full Description, Please See Page 63.
1:50 Welcome & Introduction
   Founder
   Kevin D. Plancher, MD, MPH
   Hip Sports Co-Chairs
   T. Sean Lynch, MD
   Allston J. Stubbs, MD
   Honored Professor
   Marc J. Philippon, MD
   Distinguished Professor
   Marc R. Safran, MD

1:55 SPORTS HIP STARTER PACK!
Moderator: John J. Christoforetti, MD
Timekeepers: Shane J. Nho, MD, MS
T. Sean Lynch, MD
Computer: Allston J. Stubbs, MD

1:55 Evolving Technique Update: 5 Pearls For The Evaluation Of The Athlete With Hip Pain In 5 Minutes
T. Sean Lynch, MD

2:00 Evolving Technique Update: 28-Year-Old With An Acetabular Labral Tear: Who You Shouldn’t Operate On, Being Wise For Patient Selection For The Early Arthritic Hip
Marc J. Philippon, MD

2:05 Evolving Technique Update: How To Organize Your Team To Get Amazing Success For Your Patients: My 5 Best Tips
Andrew B. Wolff, MD

2:10 Distinguished Commentary: Practical Advice From The Streets--What You Really Need To Know About Hip Imaging
Marc R. Safran, MD

2:18 SEPARATING SPORTS HIP FACT FROM FICTION: THE TRUTH PLEASE!
Moderator: Allston J. Stubbs, MD
Timekeepers: Shane J. Nho, MD, MS
T. Sean Lynch, MD
Computer: Allston J. Stubbs, MD

2:18 Mini-Debate: Hip Arthrograms In 2019...Is It Necessary?
Mini-Debate Moderator: Marc R. Safran, MD
2:18 Pro: Of Course...I Can See Clearly Now!
Carlos A. Guanche, MD
2:23 Pro: No Way..Cruel & Unusual Punishment?
Misty Suri, MD

2:28 Panel: 28-Year-Old Ex-College Hockey Player With A Hip Labral Tear & Joint Space Narrowing
Panel Moderator: Misty Suri, MD
2:28 Pro: Inject Me Again! Corticosteroids, Hyalouronic Acid, PRP & Anything More Please!
Stephen K. Aoki, MD
2:35 Pro: Give Me A Scope & Let Me Work My Magic!
John J. Christoforetti, MD
2:42 Pro: Don’t Fool Yourself...Let’s Resurface The Hip
Thomas P. Gross, MD

2:49 Panel: Doc, I’m Afraid of Pain!!! Post-Op Pain Control...My Way Is Best!
Panel Moderator: Andrew B. Wolff, MD
2:49 Pro: Less Is More.. Don’t Forget Capsule And Portal Injections - It Does The Trick
Carlos A. Guanche, MD
2:56 Pro: Spinal Epidural: Let’s Get Moving Now
Marc J. Philippon, MD
3:03 Pro: Ilial Fascial Block: All Sensory & No Motor!!
Stephen K. Aoki, MD

3:10 Debate: 21-Year-Old Undergoing A Labral Reconstruction
Debate Moderator: Ivan H. Wong, MD
3:10 Pro: Standard Suture Anchors Are The Secret: Don’t Kill A Good Thing
Marc R. Safran, MD
3:16 Pro: Knotless Anchors..Save Your Fingers & Get The Results!
Michael B. Gerhardt, MD

Debate Moderator: Michael B. Gerhardt, MD
3:22 Pro: Don’t Sell Your Scope Short
John J. Christoforetti, MD
3:28 Pro: It’s All About The PAO Baby!!
Benjamin G. Domb, MD

3:34 BREAK & VISIT THE EXHIBITS

3:59 THE NEXT LEVEL: TECHNIQUES TO RAISE THE BAR IN YOUR HIP PRACTICE
Moderator: Shane J. Nho, MD, MS
Timekeepers: Misty Suri, MD
Ivan H. Wong, MD
Computer: Benjamin G. Domb, MD

3:59 Evolving Technique Update: How To Get The Perfect Cam Resection: 5 Tips, 5 Minutes
Stephen K. Aoki, MD

4:04 Evolving Technique Update: Sports Hernia 101... What The Sports Medicine Doc Needs To Know For Success & How To Do It!
Brian D. Buscon, MD

4:09 Evolving Technique Update: Sciatic Nerve Decompression...Is This Brilliant Or Crazy?? Let Me Show You How!!
Hal Martin, DO
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>4:19</td>
<td>Honored Professor Lecture: Innovation In Hip Arthroscopy</td>
<td>Marc J. Philippon, MD</td>
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<tr>
<td>4:34</td>
<td>STOP GUESSING AND START GETTING IT RIGHT! HIP DIAGNOSTICS THAT YOU CAN USE</td>
<td>T. Sean Lynch, MD, Allston J. Stubbs, MD, Ivan H. Wong, MD</td>
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<tr>
<td>4:34</td>
<td>Evolving Technique Update: 3-D Printing: Ready For Prime Time In The Hip</td>
<td>Ivan H. Wong, MD</td>
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<tr>
<td>4:39</td>
<td>Evolving Technique: The Dysplastic Hip…What Do I Really Need To Know - How To Choose The Right Patient</td>
<td>JW Thomas Byrd, MD</td>
</tr>
<tr>
<td>4:46</td>
<td>Mini-Panel: 47-Year-Old Female Triathlete With 2 Years Of Posterior Hip Pain? What Is This Pain In My Butt</td>
<td>Hal Martin, DO, JW Thomas Byrd, MD, Marc J. Philippon, MD</td>
</tr>
<tr>
<td>4:46</td>
<td>Pro: It’s Your Piriformis Silly!!! You Need to Relax &amp; How I Treat It</td>
<td>Hal Martin, DO</td>
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<tr>
<td>4:52</td>
<td>Pro: It’s A Partial Hamstring Tear: A Kiss Of Death For The Endurance Athlete - Maybe</td>
<td>Carlos A. Guanche, MD</td>
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<td>4:58</td>
<td>Pro: You’re All Wrong!! It’s The Lumbar Spine</td>
<td>Marc J. Levine, MD</td>
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<td>5:04</td>
<td>Mini-Panel: 18-Year-Old High School Football Player With In-Season “Groin Pain”: To Address Or Not To Address?</td>
<td>Stephen K. Aoki, MD, T. Sean Lynch, MD, Allston J. Stubbs, MD</td>
</tr>
<tr>
<td>5:04</td>
<td>Pro: STOP The TAPE! The Hips Don’t Lie - FAI Is The Culprit &amp; Needs Surgery</td>
<td>T. Sean Lynch, MD</td>
</tr>
<tr>
<td>5:10</td>
<td>Pro: STOP The TAPE! Athletic Pubalgia - The Fancy Name For Core Muscle Injury &amp; Needs Surgery</td>
<td>Brian D. Busconi, MD</td>
</tr>
<tr>
<td>5:16</td>
<td>Pro: ROLL The TAPE! Don’t Be Ridiculous - Let Him Play &amp; Enjoy The Season!</td>
<td>Misty Suri, MD</td>
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<tr>
<td>5:22</td>
<td>Evolving Technique Update: Greater Trochanteric Pain Syndrome: Another Source Of PTSD For The Sports Medicine Provider: How To Manage The Impossible</td>
<td>Andrew B. Wolff, MD</td>
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<td>5:27</td>
<td>THE LABRUM: WHAT REALLY MATTERS &amp; MAKES THE DIFFERENCE</td>
<td>T. Sean Lynch, MD, Misty Suri, MD, Ivan H. Wong, MD, Benjamin G. Domb, MD</td>
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<td>5:27</td>
<td>Mini-Debate: Oh No! 17-Year-Old Cheerleader With Diminutive Labrum During Arthroscopy</td>
<td>Hal Martin, DO, Marc J. Philippon, MD, Shane J. Nho, MD, Carlos A. Guanche, MD</td>
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<td>5:27</td>
<td>Pro: I Have The Solution: Labral Augmentation Is All You Need!</td>
<td>Marc J. Philippon, MD</td>
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<td>5:32</td>
<td>Pro: Are You Crazy?! Don’t Touch It!</td>
<td>Shane J. Nho, MD, MS</td>
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<td>5:37</td>
<td>Evolving Technique Update: My Thought Process Between Labral Repair &amp; Labral Reconstruction - How I Make It Work For Me</td>
<td>Benjamin G. Domb, MD</td>
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<td>5:42</td>
<td>Case Presentations With Rapid Fire Answers: Putting It All Together</td>
<td>T. Sean Lynch, MD, Allston J. Stubbs, MD, JW Thomas Byrd, MD</td>
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<tr>
<td>5:42</td>
<td>Case Panel Moderators: T. Sean Lynch, MD, Allston J. Stubbs, MD</td>
<td>JW Thomas Byrd, MD, Marc J. Philippon, MD, Carlos A. Guanche, MD, Shane J. Nho, MD, Marc R. Safran, MD, Andrew B. Wolff, MD</td>
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<td>6:02</td>
<td>End of CME Educational Hip Sports Program</td>
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# ADVANCED PRACTITIONER SUMMIT • CÉZANNE 1 & 2

**6:50 Welcome & Introduction**
- **Founder**: Kevin D. Plancher, MD, MPH
- **Advanced Practitioner Chair**: Charles A. Thigpen, PT, PhD, ATC
- **Distinguished Professor**: Todd S. Ellenbecker, DPT, MS

**6:55 ANTERIOR CRUCIATE LIGAMENT: FROM REHAB TO THE SURGEON’S PERSPECTIVE**
- **Moderator**: Todd S. Ellenbecker, DPT, MS
- **Timekeepers**: Mark V. Paterno, PT, PhD, MBA Bronwyn Spira, PT

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>6:55</td>
<td>Prevention Works: How To Design &amp; Implement An Effective Program For The ACL</td>
<td>Darin Padua, PhD, ATC</td>
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<tr>
<td>7:03</td>
<td>Pre-Operative Considerations That Drive ACLR Outcomes</td>
<td>Mark V. Paterno, PT, PhD, MBA</td>
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<td>7:11</td>
<td>Quads Are King: How I Get The ACL-Injured Knee Strong</td>
<td>Lane Bailey, PT, PhD</td>
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<td>7:19</td>
<td>When Things Go Offtrack: Managing ROM Deficits After ACL Reconstruction</td>
<td>Charles A. Thigpen, PT, PhD, ATC</td>
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<td>7:27</td>
<td>Return To Sport Criteria That Works Following ACL Reconstruction</td>
<td>Mark V. Paterno, PT, PhD, MBA</td>
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<tr>
<td>7:35</td>
<td>Integration Of Recovery Science &amp; Load Monitoring For Return To Sport Following ACL Reconstruction</td>
<td>Darin Padua, PhD, ATC</td>
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<tr>
<td>7:53</td>
<td>Guest Surgeon Lecture: ACL &amp; The Quad Tendon: Implications For My Rehab</td>
<td>John W. Xerogeanes, MD</td>
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<tr>
<td>8:03</td>
<td>Case Presentations With Questions &amp; Answers: Success &amp; Failures In Return To Sport Following ACLR</td>
<td>Darin Padua, PhD, ATC, Adam B. Yanke, MD</td>
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</table>

**8:38 CONTROVERSIES IN REHAB OF THE ATHLETIC HIP**
- **Moderator**: Michael Voight, PT, DHSc, OCS, SCS, ATC, CSCS, FAPTA
- **Timekeepers**: Mark V. Paterno, PT, PhD, MBA Bronwyn Spira, PT

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<tr>
<td>8:38</td>
<td>Chicken Or The Egg: Differential Diagnosis Of Hip Vs. Core Muscle Injury</td>
<td>Brian D. Busconi, MD</td>
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<tr>
<td>8:46</td>
<td>5 Keys To Conservative Management Of Groin Pain In The Presence Of FAI</td>
<td>Ashley Campbell, PT, DPT</td>
</tr>
<tr>
<td>8:54</td>
<td>Early Vs. Delayed Weightbearing Following Hip Arthroscopy</td>
<td>Michael Voigt, PT, DHSc, OCS, SCS, ATC, CSCS, FAPTA</td>
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**9:02 Application Of Dry Needling & Cupping In Hip Rehabilitation**
- Sue Falsone, PT, MS

**9:10 Integrating Technology To Optimize Post Operative Hip Arthroscopy Rehab**
- Ashley Campbell, PT, DPT

**9:18 Guest Surgeon Lecture: What I Have Learned Over The Years Dealing With FAI & Why The Rehab Program Is So Important & What I Like**
- J.W. Thomas Byrd

**9:30 BREAK & VISIT THE EXHIBITS**

**10:00 CONTROVERSIES IN REHAB OF THE ATHLETIC HIP**
- **Moderator**: Michael Voight, PT, DHSc, OCS, SCS, ATC, CSCS, FAPTA
- **Timekeepers**: Darin Padua, PhD, ATC Charles A. Thigpen, PT, PhD, ATC

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<tr>
<td>10:00</td>
<td>Case Presentations With Questions &amp; Answers: Return To Elite Cutting/Pivoting Sports Following Hip Arthroscopy</td>
<td>Darin Padua, PhD, ATC, Adam B. Yanke, MD, Brian D. Busconi, MD, Sue Falsone, PT, Carlos A. Guanche, MD, T. Sean Lynch, MD, Shane J. Nho, MD, Allston J. Stubbs, MD</td>
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**10:20 JOINTS, JOINTS, JOINTS: KNEE, HIP & SHOULDER**
- **Moderator**: Charles A. Thigpen, PT, PhD, ATC
- **Timekeepers**: Darin Padua, PhD, ATC Charles A. Thigpen, PT, PhD, ATC

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<tr>
<td>10:20</td>
<td>Guest Surgeon Lecture: Surgical Options For The Active Patient With Shoulder Osteoarthritis</td>
<td>Carl J. Basamania, MD</td>
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<tr>
<td>10:30</td>
<td>Distinguished Professor Lecture: Rehabilitation &amp; Return To Sports Following Total Shoulder Arthroplasty</td>
<td>Todd S. Ellenbecker, DPT, MS</td>
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<td>Time</td>
<td>Event Description</td>
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<td>10:52</td>
<td>Guest Surgeon Lecture: The Uni Knee: When I Do It, Why I Do It, How I Need Your Help - It Is Not A Total Knee</td>
<td>Michael J. Kaplan, MD</td>
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<tr>
<td>11:04</td>
<td>Debate: The 52-Year-Old Former Marathon Runner Now Status Post His First Total Knee Replacement</td>
<td>Lane Bailey, PT, PhD</td>
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<td></td>
<td>Pro: He Needs To Be Monitored Closely: He Is A Loose Cannon - Standard Physical Therapy Will Give Longevity</td>
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<td>11:10</td>
<td>Pro: It Is 2019! Let Me Teach You What You Should Be Doing Post Total Knee For Your Patients</td>
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<tr>
<td>11:16</td>
<td>Tearing Down All Dogma For Therapy After Total Hip Arthroplasty: New Protocols, New Thoughts, Saving Healthcare Dollars &amp; Getting Surperior Results</td>
<td>Bronwyn Spira, PT</td>
</tr>
<tr>
<td>11:40</td>
<td>Guest Surgeon Lecture: The Bucket Handle Medial Or Lateral Meniscus Tear: How I Fix It &amp; What I Do Postoperatively</td>
<td>René Verdonk, MD, PhD</td>
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<tr>
<td>11:52</td>
<td>Cartilage &amp; Meniscus: The Way To Treat The Patient Postop - Theories To Reality</td>
<td>Lane Bailey, PT, PhD</td>
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<tr>
<td>12:04</td>
<td>Wrap Up and Summary</td>
<td>Charles A. Thigpen, PT, PhD, ATC</td>
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<tr>
<td>12:20</td>
<td>End of CME Educational Advanced Practitioner Program</td>
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**ADVANCED REGISTRATION REQUIRED**

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<th>Time</th>
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<tbody>
<tr>
<td>12:20</td>
<td>Lunch With Non-CME Spotlight Sessions</td>
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<td>Sign Up Mandatory</td>
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<td></td>
<td>For A Full List of Spotlight Sessions, Please See Pages 61-62. You Must Sign Up To Enjoy Lunch</td>
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<td>Dessert &amp; Visit The Exhibits</td>
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**ADVANCED PRACTITIONER SUMMIT • CÉZANNE 1 & 2**

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**SPINE • MONET 3**

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<tr>
<th>Time</th>
<th>Event Description</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>12:15</td>
<td>Welcome &amp; Introduction</td>
<td>Founder</td>
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<td>Kevin D. Plancher, MD</td>
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<td>Spine Co-Chairs</td>
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<td>Marc J. Levine, MD</td>
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<td>Derek W. Moore, MD</td>
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<td>Todd J. Albert, MD</td>
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<td>Alexander R. Vaccaro, MD</td>
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<td>Richard J. Herzog, MD</td>
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<td>12:11</td>
<td>Lunch With Non-CME Spotlight Sessions</td>
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<td>Faculty: Martin H. Pham</td>
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<td>Sign Up Required To Enjoy Lunch</td>
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<td>1:20</td>
<td>Dessert &amp; Visit The Exhibits</td>
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<td>1:50</td>
<td>CERVICAL SPONDYLYTIC MYELOPATHY &amp; OPLL: WHAT WE DO</td>
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<td>Moderator: Marc J. Levine, MD</td>
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<td>Vinko Zlomisic, MD</td>
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<td>Computer: John G. Heller</td>
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<td>1:58</td>
<td>Panel: 45-Year-Old With Symptomatic Cervical Myelopathy Surgical Approaches</td>
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<td>Panel Moderator: Marc J. Levine, MD</td>
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<td>1:58</td>
<td>Pro: Anterior Cervical Decompression &amp; Fusion: Best Case &amp; Why!</td>
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<td>2:05</td>
<td>Pro: Laminoplasty Techniques, Pitfalls &amp; Pearls</td>
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<td>2:19</td>
<td>Pro: Do We Really Need To Operate</td>
<td>Derek W. Moore, MD</td>
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<td>2:26</td>
<td>Case Presentations With Questions &amp; Answers: Cases From Years In Practice - What Would You Do</td>
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<td>David W. Polly, Jr., MD</td>
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**ADVANCED PRACTITIONER SUMMIT • MONET 3**

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**ADVANCED REGISTRATION REQUIRED**

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<tr>
<th>Time</th>
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<td>12:20</td>
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<td>For A Full List of Spotlight Sessions, Please See Pages 61-62. You Must Sign Up To Enjoy Lunch</td>
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<td>1:20</td>
<td>Dessert &amp; Visit The Exhibits</td>
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**DON’T FORGET! Enter for Your Chance to Win!**

Exhibit card can be found in your OSET registration backpack.
### 2:41 FAILED BACK SYNDROME: IT HAPPENS!
**Moderator:** Vinko Zlomisic, MD  
**Timekeepers:** Marc J. Levine, MD  
Vinko Zlomisic, MD  
**Computer:** John G. Heller, MD

**2:41 What Is Failed Back Surgery & Other Masqueraders: What Did We Miss?**  
I. David Kaye, MD

**2:49 Revision Surgery Is The Way: Let Me Show You**  
Colin B. Harris, MD

**2:57 Dorsal Column Stimulators: When & Why**  
Stephen J. Roman, MD

**3:05 Sagittal Balance Made Simple: Why Is It Important**  
David W. Polly, Jr., MD

**3:13 Case Presentations With Questions & Answers: Welcome To My World Of Tertiary Failed Back Surgery**  
**Case Panel Moderators:** Marc J. Levine, MD  
Vinko Zlomisic, MD  
**Case Panel:** Todd J. Albert, MD  
Grigory Arutyunyan, MD  
Steven R. Garfin, MD  
Colin B. Harris, MD  
I. David Kaye, MD  
David W. Polly, Jr., MD  
Stephen J. Roman, MD  
Joseph H. Schwab, MD, MS

### 3:33 BREAK & VISIT THE EXHIBITS

### 3:58 WHAT WE NEED TO KNOW ABOUT SPINE TUMORS, INFECTIONS AND MRI
**Moderator:** David W. Polly, MD  
**Timekeepers:** Michael Groff, MD  
Derek W. Moore, MD  
**Computer:** Isador H. Lieberman, MD, MBA, FRCSC

**3:58 Surgical Management Of Spine Tumors: A New World**  
Joseph H. Schwab, MD, MS

**4:13 What I See On An MRI: Spine Tumors & Infections**  
Richard J. Herzog, MD

**4:28 My Instrumented Lumbar Fusion Is Infected: Now What?**  
Vinko Zlomisic, MD

**4:36 Decision Making: Vancomycin Powder, Obesity And Tobacco Affects On Fusions**  
Derek W. Moore, MD

**4:44 Case Presentations With Questions & Answers Infections And Surgical Options And Principles**  
**Case Panel Moderator:** Colin B. Harris, MD  
**Case Panel:** Todd J. Albert, MD  
Grigory Arutyunyan, MD  
Richard J. Herzog, MD  
Derek W. Moore, MD  
David W. Polly, Jr., MD  
Joseph H. Schwab, MD, MS  
Vinko Zlomisic, MD

### 5:09 YEARS OF WISDOM: THE HONORED & DISTINGUISHED PROFESSOR CORNER
**Moderator:** Marc J. Levine, MD  
**Timekeepers:** Michael Groff, MD  
Derek W. Moore, MD  
**Computer:** Isador H. Lieberman, MD, MBA, FRCSC

**5:09 Honored Professor Lecture: Evolving Technology: Where Are We Going?**  
Alexander R. Vaccaro, MD, MPH

**5:24 Surgical Techniques Developing In Japan**  
John G. Heller, MD

**5:34 Closing Comments With Questions & Answers**  
Marc J. Levine, MD

### 5:53 End of CME Educational Spine Program

### ALL REGISTRANTS INVITED

**5:30 - 6:45 Achieving and Maintaining Success in Your Practice: Are You Ready?**  
**Sponsored by Pacira**  
**Non-CME**  
**Room:** Bellagio Ballroom 5  
**Faculty:** Joe Bosco, MD  
David Glaser, JD  
Nicole Hawkinson, DNP, RN, RNFA  
Ira H. Kirschenbaum, MD  
Craig McAllister, MD  
Scott Sigman, MD  
Cheryl Toth, MBA, Karen Zupco and Assoc  
Scott Zeitzer

For A Full Description, Please See Page 63.
### Welcome & Introduction

**Founder**
Kevin D. Plancher, MD, MPH

**Trauma Co-Chairs**
James A. Goulet, MD  
Michael D. McKee, MD

**Vice Chair**
Frank A. Liporace, MD

**Honored Professors**
David L. Helfet, MD  
Richard F. Kyle, MD  
James P. Stannard, MD

**Distinguished Professors**
Jesse B. Jupiter, MD  
Michael Suk, MD, JD, MPH, MBA, FACS  
J. Tracy Watson, MD

### PROXIMAL HUMERAL FRACTURES

**Moderator:** James A. Goulet, MD  
**Timekeepers:** Nirmal C. Tejwani, MD  
**Computer:** Michael Suk, MD, JD, MPH, MBA, FACS

#### 1:50 Mini-Panel: 66-Year-Old Female Falls In “Curling” Class, Sustains 4-Part Displaced Fracture

**Panel Moderator:** Frank A. Liporace, MD

1:50 Pro: Leave It Alone! It Will Do Just Fine  
Aaron Nauth, MD, FRCSC, MSc

1:56 Pro: Just Nail It: It’s Faster, Less Invasive, No Nerve Damage - Watch Me  
Brandi R. Hartley, MD

2:02 Pro: Are You Kidding? The Only Way To Put All The Pieces Together Is With A Plate  
Michael D. McKee, MD

2:08 Pro: Hemiarthroplasty Has Worked Well For Years, Why Change?  
W.Z. (Buz) Burkhead, Jr., MD

2:14 Pro: I Can’t Believe Any Of You! Reverse Total Shoulder Arthroplasty Can Solve All of Our Proximal Humeral Problems  
Patrick St. Pierre, MD

2:20 Honored Professor Commentary  
James P. Stannard, MD

### THE NASTY ELBOW - HOW DO I FIX A Trans-Olecranon Fracture

**Moderator:** Michael D. McKee, MD  
**Timekeepers:** Frank A. Liporace, MD  
**Computer:** Michael Suk, MD, JD, MPH, MBA, FACS

#### 2:25 Evolving Technique Update: How I Fix A Trans-Olecranon Fracture  
Nirmal C. Tejwani, MD

#### 2:30 Evolving Technique Update: Monteggia Fractures: Fixing The Ulna Is Key - 5 Tips, 5 Minutes  
Niloofar Dehghan, MD, MSc

### THE NASTY ELBOW - HOW I FIX IT SO THE PATIENT WINS EVERY TIME

**Moderator:** Michael D. McKee, MD  
**Timekeepers:** Frank A. Liporace, MD  
**Computer:** Michael Suk, MD, JD, MPH, MBA, FACS

#### 2:35 Evolving Technique Update: The Terrible Triad: Recognizing & Repairing - I Will Show You How  
Thomas B. Hughes, Jr, MD

#### 2:40 Evolving Technique Update: Capitellar Shear Fractures: Subtle & Must Be Fixed - Don’t Miss Them!  
John “JD” Adams, MD

#### 2:45 Evolving Technique Update: Isolated Coronoid Fractures: My 5 Tips In 5 Minutes  
Anna N. Miller, MD

### DISTAL HUMERAL FRACTURES - SO MANY CHOICES, SO LITTLE TIME!

**Moderator:** Stephen A. Kottmeier, MD  
**Timekeepers:** Frank A. Liporace, MD  
**Computer:** Michael Suk, MD, JD, MPH, MBA, FACS

#### 2:50 Mini-Panel: 70-Year-Old Former Yoga Instructor Falls While Playing Tennis, Sustains An Intraarticular Distal Humeral Fracture  
**Debate Moderator:** Michael D. McKee, MD

2:50 Pro: Brace It and Move It - Too Many Complications With Fixing These Fractures In This Patient Profile  
Michael Suk, MD, JD, MPH, MBA, FACS

2:56 Pro: I Agree Fix Everything But You Are Wrong Do It With An Olecranon Osteotomy  
Michael J. Gardner, MD

3:02 Pro: Fixing This Fracture Is Worth The Risk: No Osteotomy Needed, Keep the Extensor Mechanism Intact, Peek Around The Corner  
Niloofar Dehghan, MD, MSc

James A. Goulet, MD

#### 3:14 Honored Professor Lecture: Acetabular Fractures Surgery: What I Have Learned Over 35 Years  
David L. Helfet, MD

### THE NASTY ELBOW - GETTING EVEN MORE NASTY: PART II - TO FIX OR NOT TO FIX THAT IS THE QUESTION

**Moderator:** Mark S. Vrahas, MD  
**Timekeepers:** Niloofar Dehghan, MD, MSc  
**Computer:** Anna N. Miller, MD  
**James A. Goulet, MD**

#### 3:59 Evolving Technique: Fixing The Complex Distal Humeral Fracture With Plates & Screws  
Frank A. Liporace, MD

#### 4:06 Evolving Technique Update: Forget The Plates! Let Me Show You The Total Elbow Replacement  
Michael D. McKee, MD

#### 4:11 Evolving Technique Update: Just Fix What Needs To Be Fixed: The Hemiarthroplasty For The Elbow  
Michael Suk, MD, JD, MPH, MBA, FACS

#### 4:16 Honored Professor Commentary/Discussion: The Distal Humeral Fracture: My Experience  
David L. Helfet, MD
### TRAUMA • MONET 4

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<th>Time</th>
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<tbody>
<tr>
<td>4:26</td>
<td>Honored Professor Lecture: What I Have Learned Over 40 Years</td>
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<td>Richard F. Kyle, MD</td>
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<td>4:41</td>
<td>Distinguished Professor Lecture: Biologics For The Fracture Surgeon: Update 2019 - Is It Worth The Time</td>
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<td>J. Tracy Watson, MD</td>
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<td>4:56</td>
<td>Iliac Crest Bone Grafting Versus Reamer-Irrigator-Aspirator: What Is It All About?</td>
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<td>Aaron Nauth, MD, FRCSC, MSc</td>
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<td>5:04</td>
<td>Case Presentations, Rapid Fire Answers</td>
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<td>Case Panel Moderators: James A. Goulet, MD</td>
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<td>Michael D. McKee, MD</td>
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<td>Case Panel: John “JD” Adams, MD</td>
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<td>Mark S. Vrhas, MD</td>
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<td>J. Tracey Watson, MD</td>
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### NON-CME SESSION

#### 5TH ANNUAL FELLOW, RESIDENT AND MEDICAL STUDENT SUMMIT

Sponsored By **Stryker**

The Orthopaedic Summit Fellow, Resident and Medical Student Summit is intended to recognize and acknowledge exceptional research completed by Fellows, Residents and Medical Students whose work has contributed to better understanding within the fields of Arthroplasty, Sports Medicine, Arthroscopy, Spine and Trauma.

**Friday, December 13th | 1:30-6:45PM**

**Room: Bellagio Ballroom 5**

- **1:30-4:05PM** Present Your Paper
- **4:10-5:30PM** Speed Mentoring
- **5:30-6:45PM** Achieving and Maintaining Success In Your Practice: Are You Ready?
  - **Presenter:** Ira H. Kirschenbaum, MD
  - **Heavy Hors d’oeuvres and Libations**

**Saturday, December 14th | 7:30-10:00AM**

**Room: Bellagio Ballroom 5**

- **7:00-10:55AM** Present Your Paper
- **11:00AM-12:00PM** SCA Session
- **12:00PM** Award Presentation (Room: Main Hall)

**Come Visit & Learn**

Cash Prizes will be awarded for:

- Best Overall Paper
- Best Clinical Paper
- Best Basic Science Paper

**Adjudicators:**

- Steven P. Arnoczky, DVM
- Michael P. Ast, MD
- Brian D. Busconi, MD
- Lisa K. Cannada, MD
- Dan Guttmann, MD
- Nicholas A. Sgaglione, MD

**COMMERCIAL SUPPORT**

Orthopaedic Summit would like to thank the following companies for providing an educational grant and/or in-kind support:

- 3M Healthcare
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- Arcuro Medical
- Arthrex
- Arthrosurface
- DJO Global
- Garwood
- Medical Devices
- Innoved Institute, LLC
- JRF Ortho
- Relign Corp
- Responsive
- Arthroscopy
- Smith+Nephew
- Zimmer Biomet

For A Full Description, Please See Page 63.
6:50 Welcome & Introduction
Founder
Kevin D. Plancher, MD, MPH
Knee Sports Co-Chairs
Kevin F. Bonner, MD
Darren L. Johnson, MD
Knee Cartilage & Biologics Co-Chairs
Kevin F. Bonner, MD
Thomas M. DeBerardino, MD
Seth Lawrence Sherman, MD
Honored Professors
Hollis G. Potter, MD
John C. Richmond, MD
Edward M. Wojtys, MD

6:55 THE PATELLOFEMORAL JOINT
Moderators: Jack Farr, MD
Jason L. Koh, MD
Timekeepers: Christian Lattermann, MD
Sabrina M. Strickland, MD
Computer: George A. Paletta, Jr., MD, MBA

6:55 Evolving Technique: The Medial Patellofemoral Complex: It Is Tiny, Thin & Powerful & Has Implications For Your Reconstructions
Jack Farr, MD

7:02 Evolving Technique: Dreaded Chondral Defects Of The Patellofemoral Joint: How I Treat Them
Seth Lawrence Sherman, MD

7:09 Evolving Technique: The Tibial Tubercle: When Is It Time & How Do I Succeed
William R. Beach, MD

7:16 Evolving Technique: Trocleoplasty Is Not Just For Europe: How I Do It, When I Do It
David R. Diduch, MD, MS

7:23 Mini-Debate: 16-Year-Old Field Hockey Player, First Time Patella Dislocation Without Loose Body
Debate Moderator: Jason L. Koh, MD
7:23 Pro: Remember Your History & Leave It Alone
Adam B. Yanke, MD, PhD
7:28 Pro: Risk Stratify & Consider Early Stabilization
Seth Lawrence Sherman, MD

7:33 22-Year-Old Collegiate Cheerleader With A Third Recurrent Dislocation, Low Grade Trochlear Dysplasia, Normal TT-TG & Patella Height: How I Tackle This Issue - 8 Minutes, 8 Tips - Is It Just A MPFL Reconstruction? Do I Add Medial-Sided Repair? And When I Consider An Osteotomy
Jason L. Koh, MD

7:41 Mini-Panel: 27-Year-Old Recreational Ultimate Frisbee Player With Second Recurrent Patella Instability, High Grade Trochlear Dysplasia, Patella Alta, And Elevated TT-TG
Panel Moderator: Alan Getgood, MD, FRCS (Tr and Orth), Dip, SEM
7:41 Pro: Soft Tissue Only: Least Morbitity And Will Get The Job Done
Sabrina M. Strickland, MD
7:46 Pro: Wrong! You Must Add A Tibial Tubercle Osteotomy To Decrease Your Risk Of Failure
William R. Beach, MD
7:51 Pro: You Are All Wrong! Do The Trocleoplasty And You Will See The Results
David R. Diduch, MD, MS

7:56 Case Presentations With Questions & Answers: Complications Of The Patellofemoral Joint
Case Panel Moderators: David R. Diduch, MD, MS
Sabrina M. Strickland, MD
Case Panel: William R. Beach, MD
Kevin F. Bonner, MD
Jack Farr, MD
Alan Getgood, MD, FRCS (Tr and Orth), Dip, SEM
Jason L. Koh, MD
Christian Lattermann, MD
Peter F. Sharkey, MD
Seth Lawrence Sherman, MD
Adam B. Yanke, MD, PhD

8:13 ANTERIOR CRUCIATE LIGAMENT: ADULT, PREVENTION & MORE
Moderator: Kevin F. Bonner MD
Timekeepers: Christian Lattermann, MD
Sabrina M. Strickland, MD
Computer: George A. Paletta, Jr., MD, MBA

8:13 Honored Professor Lecture: Preventable ACL Injuries: What I Have Learned Through The Years - Time To Share
Edward M. Wojtys, MD

8:28 Debate: 38 Year-Old Female Sustains An Acute Proximal ACL Femoral Avulsion While Skiing
Debate Moderator: Thomas M. DeBerardino, MD
Samuel A. Taylor, MD
8:34 Pro: Reconstruction Is The Only Way: Don’t Repeat Bad History!
Christopher C. Kaeding, MD

8:40 Evolving Technique Update: Quad Tendon Harvest: How I Perform Successfully
John W. Xerogeanes, MD

8:45 Evolving Technique Update: Patellar Tendon Harvest: Avoiding The Fracture & Other Complications
Darren L. Johnson, MD

8:50 Evolving Technique Update: Hamstring Harvest: Not Being Left Too Short, Let Me Show You How S. Cliff Willimon, MD
8:55 Mini-Panel: 15-Year-Old Female Soccer Player (Skeletally Mature) Not Interested In A Collegiate Scholarship Needs An ACL Reconstruction: I Know The Best Graft
Panel Moderator: Louis F. McIntyre, MD
8:55 Pro: Hamstrings Are The Way To Go: Spare Her Morbidity
S. Cliff Willimon, MD
9:01 Pro: Patellar Tendon: It Works For The Pros, Why Are You Trying Something New? Razzle Dazzle?
Kevin D. Plancher, MD, MPH
9:07 Pro: The Quad Tendon: It’s Simple, It’s Cosmetic, Why Haven’t You Jumped On Board?
John W. Xerogeanes, MD

9:13 Evolving Technique Update Panel: Time To Drill Our Femoral Tunnel: The Titans Way In
Panel Moderator: Edward M. Wojtys, MD
9:13 Pro: Transtibial: Not Necessarily A Sin And Should Be Done! I Can Get There
Julie A. Dodds, MD
9:18 Pro: The AM Portal Gets You Anatomic: Why Fight This?
Charles A. Bush-Joseph, MD
9:23 Pro: Two Incision Technique Makes It Easy: I Have Never Changed
Darren L. Johnson, MD
9:28 Pro: Retrocutting Devices: Jump On Board You Old Geezers - Technology Is Here, Be Anatomic!
Thomas M. DeBerardino, MD

10:03 NEWER CONCEPTS IN ACL SURGERY
Moderator: Charles A. Bush-Joseph, MD
Timekeepers: Christian Lattermann, MD Sabrina M. Strickland, MD
Computer: John C. Richmond, MD

10:03 Pediatric ACL: An Algorithm For Success - You Can Do It
S. Cliff Willimon, MD

10:03 FEATURE SYMPOSIUM
9:33 - 10:03 Save The Meniscus! Innovative Technology To Repair Horizontal Cleavage And Radial Tears
Sponsored by Smith & Nephew Non-CME
Room: Bellagio Ballroom 6
Faculty: Seth Lawrence Sherman, MD
For A Full Description, Please See Page 63.

10:03 COMPLICATIONS IN ACL SURGERY
Moderator: David R. Diduch, MD, MS
Timekeepers: Christian Lattermann, MD Sabrina M. Strickland, MD
Computer: John C. Richmond, MD

10:03 Evolving Technique: 25-Year-Old Snowboarder With A Draining Wound 7 Weeks After ACL Surgery: How I Manage
Armando F. Vidal, MD

10:03 Evolving Technique: 37-Year-Old Diabetic Marathoner With Tunnel Lysis & Laxity One Year After ACL Reconstruction: Single Vs. Staged Revision - How I Decide
Charles A. Bush-Joseph, MD

10:03 Evolving Technique: ACL Graft Failure: Not Respecting Posterior Tibial Slope - My Decision-Making, How To Avoid
Annuinzio Amendola, MD

10:03 Honored Professor Lecture: Treating The ACL Injured Knee: How History Can Help You Avoid Pitfalls
John C. Richmond, MD

10:03 ACL OUTCOMES, RETURN TO PLAY & REVISIONS
Moderator: Darren L. Johnson, MD
Timekeepers: Christian Lattermann, MD Sabrina M. Strickland, MD
Computer: John C. Richmond, MD

10:03 Evolving Technique: Understanding The Young Athlete <20 Years Of Age: Their Outcomes & Everyone Else
Rachel M. Frank, MD

10:03 Return To Play: What I Learned From The Therapist & My Patients Over 30 Years - My Secrets
Peter A. Indelicato, MD

10:03 Revision ACL: My Algorithm For A Successful Second Surgery
Darren L. Johnson, MD
11:35  Case Presentations with Questions & Answers: Rapid Fire Answers, Putting The Faculty On The Spot - All You Need To Know About The ACL Through Cases
   Case Panel Moderator: David R. Diduch, MD, MS
   Case Panel: Annunziato Amendola, MD  
   Charles Bush-Joseph MD  
   Julie A. Dodds MD  
   Rachel M. Frank, MD  
   George A. Paletta, Jr., MD, MBA  
   John C. Richmond, MD  
   Samuel A. Taylor, MD  
   Armondo F. Vidal, MD  
   Edward M. Wojtys, MD  
   John W. Xerogeanes, MD

12:05  Lunch Served

12:20  Lunch Symposium: Eliminate the Threat of Lawsuits, Protect Your Medical License, and Reduce Your Tax Burdens
   Speaker: Steve Comer, Retired FBI Agent
TRAUMA • BELLAGIO BALLROOM 1

7:39  PERIPROSTHETIC FRACTURES OF THE FEMUR: THE KNEE
Moderator: Anna N. Miller, MD
Timekeepers: John “JD” Adams, MD
James A. Goulet, MD
Computer: James P. Stannard, MD

Mini-Panel: 56-Year-Old Former College Football Player With A Total Knee Arthroplasty Falls While Cleaning His Gutters And Sustains A Supracondylar Periprosthetic Fracture
Panel Moderator: J. Tracy Watson, MD

7:39  Distinguished Professor Lecture: Complications Of Femur Fractures & Other Issues I Have Learned Over The Years
James P. Stannard, MD

8:12  Distinguished Professor Lecture
Michael Suk, MD, JD, MPH, MBA, FACS

8:27  THE NEW FRONTIER IN FRACTURE FIXATION
Moderator: James A. Goulet, MD
Timekeepers: John “JD” Adams, MD
James A. Goulet, MD
Computer: James P. Stannard, MD

8:27  Distinguished Professor Lecture: The Big Science Behind Fracture Care & Nonunions
Jesse B. Jupiter, MD

8:39  Chest Wall Fixation: Lunatic Fringe Or State Of The Art?
Niloofar Dehghan, MD, MSc

8:47  The Amputated Limb: Regenerative Peripheral Nerve Grafts Can Prevent Neuromas: I Can Teach You How To Add A New Procedure In Your Practice!
Theodore A. Kung, MD

8:55  Pipkin Femoral Head Fractures In The New Millennium
David L. Helfet, MD

9:05  Whirlwind Tour Of Fixing Tibial Plateaus: What I Have Learned Through The Years
James P. Stannard, MD

9:13  Panel Discussion With Case Presentations
Case Panel Moderators: James A. Goulet, MD
Michael D. McKee, MD

Case Panel: John “JD” Adams, MD
Niloofar Dehghan, MD, MSc
Bharat Desai, MD
Michael J. Gardner, MD
David L. Helfet, MD
Theodore A. Kung, MD
Frank A. Liporace, MD
Aaron Nauth, MD, FRCS, MSc
James P. Stannard, MD
J. Tracy Watson, MD

9:31 - 10:01  FEATURE SYMPOSIUM - Femoral Neck System: A Dedicated Solution For The Treatment Of Femoral Neck Fractures
Sponsored by DePuy Synthes
Non-CME
Room: Bellagio Ballroom 1
Faculty: Michael Gardner, MD
For A Full Description, Please See Page 63.

10:01  TRAUMA FOR FOOT & ANKLE: YOU DON'T NEED TO BE A SPECIALIST
Moderator: John “JD” Adams, MD
Timekeepers: Brandi R. Hartley, MD
Stephen A. Kottmeier, MD
Computer: James P. Stannard, MD

10:01  Mini-Debate: 36-Year-Old Broomball Competitor Twists His Ankle & Has A Trimalleolar Fracture (Posterior Malleolus)
Debate Moderator: Michael J. Gardner, MD

10:01  Pro: Don’t Be Afraid, I Always Try To Fix The Posterior Malleolus: I Will Show You The Way
Stephen A. Kottmeier, MD

10:07  Pro: Don’t Be Silly: Don’t Worry About The Posterior Malleolus - If The Outcomes Were Poor, Which They Are Not, Wouldn’t We See More Patients With This Problem? Leave It Alone!
Brandi R. Hartley, MD

10:13  When You Need To Call Your Plastic Surgeon For Your Distal Tibia/Open Ankle Fracture: She Can Save The Day
Theodore A. Kung, MD

10:21  Mini-Debate: 72-Year-Old Diabetic With Mild Neuropathy & A Recent Bimalleolar Ankle Fracture Fixed 3 Weeks Ago Anatomic
Debate Moderator: J. Tracey Watson, MD

10:21  Pro: Let Her Walk & Weighbear: We Hold Too Many Ankle Fractures Back
Niloofar Dehghan, MD, MSc

10:27  Pro: Not So Fast Young Lady: Play The Safe Role - Wait & Walk Her Later, Go For The Perfect Results That Doesn’t Move
James A. Goulet, MD

10:33  Mini-Panel: The Syndesmotic Injury: Update 2019
Panel Moderator: Frank A. Liporace, MD

10:33  Pro: Forget The Stress Views: They Are Unnecessary - Let Me Teach You How To Think Through The Syndesmotic Injury In An Easy Fashion
Mark S. Vrahas, MD

10:39  Pro: Screw Fixation Is Still The Way To Go: You Just Need To Know How To Do It Perfectly
Michael J. Gardner, MD

10:45  Pro: Newer Fixation Techniques Were Good Enough For A D1 Quarterback So It Is Good Enough For Me Now!
Kevin Kang, MD
### Trauma • Bellagio Ballroom 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:51</td>
<td>Mini-Panel: 52-Year-Old Club Hockey Player Crashes The Net, Scores The Goal &amp; Sustains A Distal, Intra-Articular Tibial Fracture</td>
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<td><strong>Panel Moderator:</strong> Mark S. Vrahas, MD</td>
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<tr>
<td>10:51</td>
<td>Pro: How Low Can You Go? I Nail Most of These</td>
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<td>Bharat Desai, MD</td>
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<td>10:57</td>
<td>Pro: You’re Going To Have To Plate It: Here’s How I Handle These Fractures</td>
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<td>Frank A. Liporace, MD</td>
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<td>11:03</td>
<td>Pro: When To Ask For Help &amp; It’s 2:00AM With An Open Pilon &amp; Why</td>
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<td>Stephen A. Kottmeier MD</td>
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<td>11:09</td>
<td>Honored Professor Commentary: The Distal Intra-Articular Tibial Fracture - My Experience</td>
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<td>David L. Helfet, MD</td>
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<td>11:14</td>
<td>Mini-Debate 22-Year-Old Welder Falls Off The Scaffolding &amp; Sustains A Closed Talar Neck Fracture</td>
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<td><strong>Debate Moderator:</strong> James A. Goulet, MD</td>
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<tr>
<td>11:14</td>
<td>Pro: Time To Run To The Operating Room Immediately</td>
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<td>Bharat Desai, MD</td>
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<td>11:20</td>
<td>Pro: Plan It Carefully &amp; Operate When You’re At Your Best: The Blood Supply Will Be Ok</td>
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<td>Anna N. Miller, MD</td>
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<td>11:26</td>
<td>Evolving Technique: Technical Tips For Optimal Fixation Of The Talar Neck: Do You Just Compress To Heal Or Place A Tricortical Graft To Keep Length - My Thought Process</td>
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<td>Mark S. Vrahas, MD</td>
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<td>11:33</td>
<td>Case Presentations with Questions and Answers: Wrap It All Up</td>
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<td><strong>Case Panel Moderators:</strong> James A. Goulet, MD</td>
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<td>Michael D. McKee, MD</td>
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<td><strong>Case Panel:</strong> Bharat Desai, MD</td>
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<td>Jesse B. Jupiter, MD</td>
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<td>Richard F. Kyle, MD</td>
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<td>Anna N. Miller, MD</td>
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<td>James P. Stannard, MD</td>
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<td>Michael S. Suk, MD</td>
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<td>JD, MPH, MBA, FACS</td>
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<td>J. Tracey Watson, MD</td>
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| Time   | Lunch Served                                                                 |

| Time   | Lunch Symposium: Eliminate the Threat of Lawsuits, Protect Your Medical License, and Reduce Your Tax Burdens |
|        | **Speaker:** Steve Comer, Retired FBI Agent                                 |
## Pediatric Tumors & Scoliosis in the Office & OR

- **Moderator:** David W. Polly, Jr., MD
- **Timekeepers:** Colin B. Harris, MD, Suken A. Shah, MD
- **Computer:** Todd J. Albert, MD

### Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>8:18</td>
<td>Pathogenesis of AIS: Braces &amp; Monitoring - You Can Do It!</td>
<td>Suken H. Shah, MD, MHCDS</td>
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<tr>
<td>8:26</td>
<td>Holes In Bones: How To Manage Pediatric Radiographic Findings - When To Refer</td>
<td>Joseph H. Schwab, MD</td>
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<tr>
<td>8:34</td>
<td>Current New Scoliosis Surgical Management Techniques</td>
<td>Suken H. Shah, MD, MHCDS</td>
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<td>8:42</td>
<td>Advanced Thinking In The Honored &amp; Distinguished Professor Corner</td>
<td>Steven R. Garfin, MD</td>
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<tr>
<td>8:42</td>
<td>Adult Spinal Deformity: Contemporary Management</td>
<td>Todd J. Albert, MD</td>
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<td>8:54</td>
<td>Robotic Surgery In Deformity Surgery: How I Do It &amp; Why</td>
<td>Isador H. Lieberman, MD, MBA, FRCSC</td>
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<tr>
<td>9:06</td>
<td>PJK In The Elderly: Are We Over Correcting - The Art Of Surgery</td>
<td>David W. Polly, Jr., MD</td>
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<tr>
<td>9:14</td>
<td>SI Joint Fusions Following Previous Lumbar Fusions: How I Do Them &amp; Can We Predict?</td>
<td>Steven R. Garfin, MD</td>
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<tr>
<td>9:22</td>
<td>Opioid &amp; Multi Modal-Pain Management Following Complex Spine Surgery-Help!</td>
<td>Stephen J. Roman, MD</td>
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### FEATURE SYMPOSIUM

**9:30 - 10:00** Advanced Robotic Techniques And Planning Outcomes  
**Medtronic**  
**Non-CME**  
- **Sponsored by Medtronic**  
- **Room:** Bellagio Ballroom 5  
- **Faculty:** Isador H. Lieberman, MD, MBA, FRCSC  
- **For A Full Description, Please See Page 63.**

### Spinal Cord Injuries, Syndromes & Fractures: You Need To See The Cases

- **Moderator:** Isador H. Lieberman, MD, MBA, FRCSC  
- **Timekeepers:** Colin B. Harris, MD, Suken A. Shah, MD  
- **Computer:** Steven R. Garfin, MD

### Other Considerations for Lumbar Fusions

- **Moderator:** Marc J. Levine, MD  
- **Timekeepers:** Colin B. Harris, MD, Suken A. Shah, MD  
- **Computer:** Todd J. Albert, MD

### Additional Events

- **10:23** Cauda Equina Syndrome: What Is It & What To Do  
  - D. Greg Anderson, MD
- **10:31** Odontoid Fractures: Surgery Is A Good Option  
  - Alexander R. Vaccaro, MD, MPH
- **10:39** Case Presentations With Questions & Answers: Spine Trauma & SCI  
  - Case Panel Moderators: Marc J. Levine, MD, Isador H. Lieberman, MD, MBA, FRCSC
  - Case Panel: Todd J. Albert, MD, D. Greg Anderson, MD, Grigory Arutyunyan, MD, Colin B. Harris, MD, I. David Kaye, MD, Steven C. Ludwig, MD
- **10:59** LUMBAR STENOSIS AND SPONDYLOLISTHESIS  
  - **Moderator:** Derek W. Moore, MD  
  - **Timekeepers:** Colin B. Harris, MD, Suken A. Shah, MD  
  - **Computer:** Todd J. Albert, MD
- **10:59** ALIF/TLIF/XLIF/ Or Open: Which Way To Go - Accepting Indirect Decompressions  
  - Vinko Zlomisic, MD
- **11:07** Debate: What To Use In The Interspace?  
  - **Debate Moderator:** Derek W. Moore, MD
  - **11:07 Pro:** 3D Printed Titanium Is The Best: The Newest & The Greatest  
    - Marc J. Levine, MD
  - **11:13 Pro:** I Still Use PEEK & Ti Coated PEEK: Why Change?  
    - Colin B. Harris, MD
- **11:19** Evolving Technique: Work Up & Treatment Of Osteoporosis Before And After Surgery  
  - D. Greg Anderson, MD
- **11:33** Evolving Technique: Lumbar Total Disc Arthroplasty: Where Did They Go - What Did We Learn  
  - Isador H. Lieberman, MD, MBA, FRCSC
- **11:40** Evolving Technique: Cortical Screws & Other Lumbar Technology  
  - Steven C. Ludwig, MD
11:47  Case Presentations With Questions & Answers: Experiences With Lumbar TDA Revisions
Case Panel Moderators: Steven C. Ludwig, MD
Derek W. Moore, MD
Case Panel: D. Greg Anderson, MD
Todd J. Albert, MD
Steven R. Garfin, MD
I. David Kaye, MD
Marc J. Levine, MD
Isador H. Lieberman, MD, MBA, FRCSC
Joseph H. Schwabb, MD
Suken A. Shah, MD
Vinko Zlomisic, MD

2020 Invited* Honored and Distinguished Professors

Distinguished Advanced Practitioner Professor
Kevin Wilk, DPT

International Arthroplasty Honored Professor
Nicolaas Budhiparama, MD, FICS

Honored Arthroplasty Professors
Aaron Hoffman, MD, FACS
David Lewellan, MD
David R. Murray, MD, FACC

International Distinguished Arthroplasty Professor
Michael Tanzer, MD

Honored Elbow, Wrist & Hand Professor
Richard Gelberman, MD
Bernard F. Morrey, MD
Terry L. Whipple, MD

Honored Foot & Ankle Professor
Shepard R. Hurwitz, MD

Honored Knee Professor
Bernard R. Bach, Jr., MD

Distinguished Knee Professor
Mark Miller, MD

International Honored Knee Professor
Philippe Neyret, MD
René Verdonk, MD, PhD

International Honored Shoulder Professor
Giovanni Di Giacomo, MD
Peter A. MacDonald, MD

Honored Shoulder Professor
David M. Dines, MD

Distinguished Elbow, Wrist & Hand Professor
Jorge L. Orbay, MD

Honored Spine Professor
Frank J. Eismont, MD

Distinguished Spine Professors
Lawrence G. Lenke, MD
Sam W. Wiesel, MD

Honored Trauma Professors
Emil Schemitsch, MD, FRCSC
Bruce C. Twaddle, MD

Distinguished Trauma Professors
William M. Ricci, MD
Mark S. Vrahas, MD

+ More!

*Invited Only

12:05  Lunch Served

12:20  Lunch Symposium: Eliminate the Threat of Lawsuits, Protect Your Medical License, and Reduce Your Tax Burdens
Speaker: Steve Comer, Retired FBI Agent

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Limited Space. Advanced Registration Required. See Registration Desk Or Visit OrthoSummit.com To Reserve Your Seat.

TUESDAY, DECEMBER 10th | 4:30 – 7:00 PM
VIP REGISTRATION RECEPTION

VIP Registration Reception
Sponsored by Flexion
No registration needed.
Come to the OSET registration desk and join the reception, refreshments served.

THURSDAY, DECEMBER 12th | 12:20 – 1:20 PM | LUNCH - ADVANCED REGISTRATION REQUIRED

Arthrex Innovations: Technological Advancements in Shoulder Sports Medicine And Arthroplasty
Supported by Arthrex
Room: Grand Ballroom 3
Faculty: Stephen S. Burkhart, MD
Patrick J. Denard, MD
Raffy Mirzayan, MD
Bradford O. Parsons, MD
This session will focus on maximizing knee joint preservation outcomes by addressing cartilage, ligament and meniscus with innovative technology.
Program Highlights:
• Tensionable Knotless Labral Repair Options, Managing the Difficult Glenoid in Shoulder Arthroplasty
• Optimizing Rotator Cuff Repair with Fixation and Biologic Augmentation
• Technical Pearls for Improving SCR Outcomes
• Maximizing Shoulder Arthroplasty Outcomes with Pre-Operative Planning

Rediscover Shoulder And Knee Arthroplasty: Execute Your Plan Using Real-Time Navigation
Sponsored by Exactech
Room: Renoir 2
Faculty: Lawrence Gulotta, MD
Sharat Kusuma, MD
Felix H. “Buddy” Savoie, III, MD
This session will cover ExactechGPS®, a dynamic computer-assisted technology that enhances the surgical experience with active intraoperative feedback for real-time execution in a compact and mobile system within the sterile field. ExactechGPS® sets a new standard with easier and faster access to the only navigation for knee and shoulder arthroplasty in the world.
Program Highlights:
• Evolution of Preoperative Planning for Shoulder Arthroplasty
• Are You Planning, But Not Navigating
• Computer Technology in Revision Knee Arthroplasty...What are the Possibilities?

WEDNESDAY, DECEMBER 11th | 12:00 – 1:00 PM
LUNCH - ADVANCED REGISTRATION REQUIRED

The Future Of Endoscopic Carpal Tunnel Release
Supported by Trice Medical
Room: Monet 2
Faculty: Jeffrey Yao, MD
This session will reveal new technologies to enable Endoscopic Carpal Tunnel Release to be performed outside the operating room.

Surgical Pearls Exposed: Fireside Chat With The Masters
Supported by Arthrex
Room: Bellagio Ballroom 5
Faculty: Stephen S. Burkhart, MD*
Neal S. ElAttrache, MD
Brian J. Cole, MD, MBA
*Purchase Stephen S. Burkhart, MD’s textbooks at 60% discount from the Wolters Kluwer Health Exhibit.
Food & Libations Served.

WEDNESDAY, DECEMBER 11th | 6:00 – 7:00 PM
DINNER - ALL INVITED
Why Complicate Things When You Can Play It Where It Lies: B Glenoids And The Only True Anatomic Shoulder System
Supported by Arthrosurface
Room: Monet 1
Faculty: Anthony Miniaci, MD
Joseph Zimmerman, MD
This workshop will discuss treating Shoulder Osteoarthritis with the Nonspherical OVO/OVOMotion with Inlay Glenoid Implant System as a primary TSA. Faculty will provide clinical insights, data, surgical technique and patient outcome data.

Exploring The Latest Clinical Evidence Evaluating Closed Incision Negative Pressure Therapy (CiNPT) To Reduce Postoperative Complications And The Emerging Role Of Negative Pressure In Improving Functional Outcomes
Sponsored by 3M + KCI
Room: Van Gogh
Faculty: John Cooper, MD
Michael Cross, MD
Fred Cushner, MD
We will explore the latest clinical evidence evaluating closed incision negative pressure therapy (CiNPT) to reduce postoperative complications and the emerging role of negative pressure in improving functional outcomes.

Program Highlights:
• Evolution of Closed Incision NPWT
• Expanded Role of Negative Pressure in Arthropasty
• Panel Discussion

Addressing All Shoulder Pathologies From Instability To RCR With The Latest In Biologics & Advanced Healing Techniques
Sponsored by Smith & Nephew
Room: Monet 3
Faculty: Xavier Duralde, MD
Spero G Karas, MD
Rick Ryu, MD
Ivan Wong, MD

A Stronger Anchor With A Softer Touch Introducing JuggerStitch, The Newest All-Inside Meniscal Repair Anchor
Sponsored by Zimmer BioMet
Room: Monet 2
Faculty: Keith Lawhorn, MD
Zimmer Biomet is excited to launch the JuggerStitch All-Inside Meniscus Repair Device. The unique design of the JuggerStitch implant features two soft anchors connected by a knotless, self-locking suture loop. The knotless, self-locking suture loop is designed to improve tissue preservation and enhance the surgeon’s control of the tissue compression at the repair site when compared to implants that use a sliding knot to lock the repair. Dr. Keith Lawhorn from Fairfax, VA will review the features and benefits of the JuggerStitch device.
PICK ONE EACH DAY (LUNCH OR DINNER PROVIDED) SPOTLIGHT SESSIONS

Limited Space. Advanced Registration Required. See Registration Desk Or Visit OrthoSummit.com To Reserve Your Seat.

THURSDAY, DECEMBER 12TH | 2:00 – 6:00 PM | CADAVER LAB - ADVANCED REGISTRATION REQUIRED

DePuy Synthes Ortho-Experience At OSET: Comprehensive Hands-On Lab
Sponsored by DePuy Synthes
Room: Bellagio Ballroom 1&5

Faculty Sports:
Nirav Amin, MD
Shariff Bishai, DO
Kevin Bonner, MD
Brian Busconi, MD
David Diduch, MD
Julie Dodds, MD
Joseph P. Donahue, MD
Paul Favorito, MD
Larry Field, MD
Mark Getelman, MD
Sean McMillan, DO
Scott Sigman, MD
Ivan Wong, MD

Faculty Trauma: Upper Extremity, Hip & Knee, Foot & Ankle
Stephen Malekzadeh, MD
Justin Weatherall, MD

Experience how DePuy Synthes leads in orthopaedics at this comprehensive hands-on lab. This cadaveric training provides attendees with the opportunity to learn from industry thought leaders and gain insights on surgical techniques across a variety of procedures in Sports Medicine and Trauma, while optimizing an opioid sparing multimodal approach to control post-surgical pain.

Procedural options in the lab will include:
• Sports Medicine: ACL, PCL, and Meniscal Repair, Rotator Cuff and Instability, Latarjet
• Trauma: Upper Extremity, Hip & Knee, Foot & Ankle

Please also register your lab participation at https://jjmd.cvent.com/OSET2019

THURSDAY, DECEMBER 12TH | 6:00 - 7:15 PM | EVENING SPOTLIGHTS

Thought Leaders In Biomedical Joint Restoration And Preservation
Sponsored by ANIKA Therapeutics
Room: Monet 2
Drinks & Refreshments Will Be Served.

See The Pros Go “Knee To Knee”
Sponsored by Flexion
Room: Grand Ballroom 3
Faculty: John “JR” Richmond, MD
Chad Hanson, MD

Panel: Mike Eruzione, Olympic Gold Medalist, 1980 US Olympic Hockey Team Captain
Rod Woodson, Retired NFL Player, Hall of Fame Member
Chris Dickerson, Retired MLB Player
Solomon Wilcots, Retired NFL Player, Current Broadcaster

Light Food & Beverages Will Be Served.

FRIDAY, DECEMBER 13TH | 12:20 – 1:20 PM | LUNCH - ADVANCED REGISTRATION REQUIRED

Continuum of Care – Biologics To Total Joint Reconstruction
Sponsored by Aesculap
Room: Renoir 1
Faculty: Christian Latterman, MD
William Mihalko, MD, PhD

Program Highlights:
• Challenges & Innovations in Cartilage Repair
• Updates on Primary Total Knee Replacement from Pain Control to Implant Design and PostOperative Management

Arthrex Innovation: Technological Advancements in Knee Joint Preservation And Reconstruction
Sponsored by Arthrex
Room: Monet 4
Faculty: Brian D. Busconi, MD
Thomas DeBerardino, MD
Rachel M. Frank, MD
Christopher C. Kaeding, MD
John W. Xerogeanes, MD

This session will focus on maximizing patient outcomes by addressing instability and rotator cuff pathology with innovative technology before committing to arthroplasty solutions.
• All-Inside QuadLink™ ACL Reconstruction Outcomes
• Novel Techniques for Collateral Ligament Repair/Reconstruction
• Innovations in Meniscus Repair
• Non-Operative Management of Knee Osteoarthritis
• Cartilage Restoration Algorithm
From Complex Knee To Trouble Free
Sponsored by ConMed
Room: Gauguin
Faculty Moderator: Seth Lawrence Sherman, MD
Faculty: Jack Farr, MD
Andreas Gomoll, MD
Adam Yanke, MD
Panel-led discussion focusing on innovative techniques for addressing complex knee injuries. Topics include: ACL/PCL Reconstruction, Cartilage Repair, and solutions for additional complex knee injuries.
Program Highlights:
• My Bag of Tricks: Revision ACL
• How I Manage 1st Time Patella Dislocation
• Seed vs. Sod: Cell Based vs. Osteochondral Repair
• When to Fix Meniscal Root Repairs

Tackling Complex Knee Repair Cases
Sponsored by Smith & Nephew
Moderator: Darren Johnson, MD
Room: Monet 2
Faculty: Alan Getgood MD, FRCS (Tr and Orth), DIP SEM
Darren Johnson, MD
Sabrina M. Strickland, MD
• Revision ACL: It happens, my tips & pearls for better outcomes
• When reconstructing the ACL, just isn’t enough: Adding a Lateral Extra-Articular Tenodesis; Indications, technique & outcomes
• Repairing Underserved Meniscal Tears: HCTs and Radials

Treatment Considerations For Patients With Osteoarthritis (OA) Of The Knee
Sponsored by DePuy Synthes
Room: Grand Ballroom 3
Faculty: Arup K. Bhadra, MD
Elaine Lambert, MD
Mat Nicholls, MD
A forum of physicians to gather with peers to discuss early treatment for patients suffering with OA of the knee.

Post-Operative Edema In Orthopaedics: Complications, Patient Dissatisfaction And A Solution
Sponsored by FirstKind Living Science
Room: Cezanne
Faculty: Jason Snibbe, MD
This session will address the ongoing clinical and economic challenges caused by edema for patients, surgeons, and the healthcare system. Attendees will hear from faculty thought leaders on these issues as well as a new, disruptive technology that provides a long needed solution for the orthopaedic community.

MACI With Tibial Tubercle Osteotomy Surgical Demonstration
Sponsored by Vericel
Room: Renoir 2
Faculty: Armando Vidal, MD
Moderator: David Flanagan, MD
Dr. Vidal will perform a cadaver demonstration of the MACI implant and a tibial tubercle osteotomy, moderated by Dr. Flanagan, followed by a live multiple defects case study video presentation.

All Spotlights Limited Seating!

• Every Spotlight Requires Registration
• Ticket & Name Badge Verification
• First Come, First Served
• No Exceptions!
Limited Space. Advanced Registration Required. See Registration Desk Or Visit OrthoSummit.com To Reserve Your Seat.

FRIDAY, DECEMBER 13TH | 5:30 – 6:45 PM | ALL REGISTRANTS INVITED

PICK ONE EACH DAY (LUNCH OR DINNER PROVIDED) SPOTLIGHT SESSIONS

Achieving and Maintaining Success in Your Practice: Are You Ready?
Sponsored by Pacira
Room: Bellagio Ballroom 5
Faculty: Joseph Bosco, MD
David Glaser, JD
Nicole Hawkinson, DNP, RN, RNFA
Ira H. Kirschenbaum, MD
Craig McAllister, MD
Scott Sigman, MD
Cheryl Toth, MBA, Karen Zupco and Associates
Scott Zeitzer

Innovative seminar focusing on the knowledge and training needed to understand the business aspects of an orthopaedic life throughout a career

Program Highlights:
• Why Business Education?
• Ten Things you must do to get paid
• Incorporating new technologies in the practice and marketing them
• Online marketing- what to do and what to avoid
• The ASC- building and succeeding in outpatient surgery
• Optimizing the use of PA/NP in Practice
• Recruiting and being recruited- what you need to know
• Alternate Payment models and physician compensation formulas
• Five legal issues you will see in your practice

Food Stations & Libations Served.

SATURDAY, DECEMBER 14TH | 9:30 – 10:00 AM | FEATURED SYMPOSIUM

Femoral Neck System: A Dedicated Solution For The Treatment Of Femoral Neck Fractures
Sponsored by DePuy Synthes
Room: Bellagio Ballroom 1
Faculty: Michael Gardner, MD

Discover the latest innovation from DePuy Synthes with the Femoral Neck System. FNS offers combined angular and rotational stability, streamlined instrumentation, and a compact implant design. Femoral neck fracture treatment options and case reviews will be shared by Dr. Michael Gardner from Stanford University School of Medicine.

Save The Meniscus! Innovative Technology To Repair Horizontal Cleavage And Radial Tears
Sponsored by Smith & Nephew
Room: Bellagio Ballroom 6
Faculty: Seth Lawrence Sherman, MD

Advanced Robotic Techniques And Planning Outcomes
Supported by Medtronic
Room: Bellagio Ballroom 5
Faculty: Isador H. Lieberman, MD, MBA, FRCSC

BREAK FOOD PROVIDED

5TH ANNUAL STRYKER FELLOW, RESIDENT AND MEDICAL STUDENT SUMMIT
SATURDAY, DECEMBER 14TH | 11:05 – 12:05 PM

Preparing For Practice In Today’s Healthcare Environment
Supported by Surgical Care Affiliates
Faculty: Michael P. Ast, MD
Sean McMillan, DO, FAOAO
Sabrina M. Strickland, MD

Please join us Saturday December 14, 2019 to learn from the SCA Physician Development Institute™. This session will cover advice on preparing for the transition to practice. The session will review the below learning objectives, with a goal to help you identify the practice model that best suits your goals, how and when to look for that ideal job, and what to prepare for during the interview/contracting process.

Learning Objectives:
• Comparing employment models
• Academics, hospital employment, private practice and Privademics
• How/when to look for a job
• Interview basics
• Basics of employment contract obligation
• Reimbursement models
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Cannulated guidance to your ACL footprint

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3M, along with newly-acquired KCI, focuses on providing better care through patient-centered science. Helping transform patient outcomes by reducing the risk of preventable complications at every touchpoint. From solutions for BSI and SSIs to sarcoidosis and temperature management, our team is ready to partner with you to strive toward a world with zero complications.

Accumed develops orthopaedic solutions to serve the needs of the whole health care community, with a strategy built on four foundations of excellence: innovation, education, evidence, and quality. Together, we can improve patient outcomes and quality of life.

Aesculap Biologics was established in January 2012 as a division of Aesculap, Inc and is focused with strategies built on four foundations of excellence: innovation, education, evidence, and quality. Together, we can improve patient outcomes and quality of life.

Arcuro Medical Ltd. Misgave Industrial Park 17th Sky Street Misgav, Israel www.arcuromedical.com Arcuro Medical's SuperBall™ Meniscus Repair System is an all-suture knotless anchor with innovative delivery system which provides secure and reliable repair. The SuperBall is patented in the US &China and FDA cleared.

Arthrex is a global leader in new product development and medical education, and develops more than 1,000 products and techniques each year to advance minimally invasive orthopedics worldwide.

Arthrosurface implant systems are designed for active patients with arthritis. Our implants preserve the existing joint anatomy, maintain normal biomechanics and may be performed on an outpatient basis. To date, more than 95,000 procedures have been performed for the Shoulder, Hip, Knee, Foot & Ankle.

Avanos is a medical technology company that is committed to providing longer-lasting pain relief and improving physical function with pioneering pain management solutions such as COOLIEF® Cooled Radiofrequency.

Axolotl Biologix is expanding the human body’s ability to regenerate by developing and manufacturing regenerative human cell and tissue medical technologies that are disrupting traditional and invasive treatment protocols.

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BD is a medical technology company advancing health by improving discovery, diagnostics and delivery. Our portfolio, leadership and partnerships make a difference for global healthcare.
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At BioMarin, we focus on developing first-in-class and best-in-class therapeutics that provide meaningful advances to patients who live with serious and life-threatening rare genetic diseases.

BioMedGPS SmartTRAK is a business intelligence advisory firm for the life sciences industry. Leading orthopedic companies rely on SmartTRAK for expert analysis, competitive intelligence and up-to-date market data and financials.

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Your partner for premium regenerative and pain solutions including APIC-A2M with FACT diagnostic, BMA, PRFM, Body Jet for micronized fat harvesting and Pro-Nox 50/50 Nitrous Oxide and Oxygen delivery system.

The CARENOM OnSight 3D Extremity System uses CT technology to capture high-quality, low-dose, 3D weight-bearing images to evaluate orthopaedic conditions of feet, ankles, hands, wrist, knees, elbows and other joints.

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Conformis customized implants for knee and hip utilize 3D imaging technology to provide pre-surgical navigation of the custom fit implants for restoration of patient anatomy. In clinical studies, iTotal® CR, Conformis’ cruciate-retaining total knee replacement implant, demonstrated superior clinical outcomes, including better function and greater patient satisfaction compared to traditional, off-the-shelf implants. The hip system is optimized with a customized neck, jigs and bone models to guide insertion for proper orientation. The Conformis products offer significant benefits to hospitals with a unique just-in-time delivery model and no implant inventory. For more information visit www.conformis.com.

Conventus Cages are based on 3-dimensional fracture management, which emphasizes preservation of tissues, creating a strong foundation and facilitating early motion through less invasive procedures. See Conventus Orthopaedics at Booth #229.

CORA is the premier outpatient rehabilitation company providing a full range of services to patients with orthopedic problems, work related injuries, sports injuries and various neuromuscular and neurological conditions.

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www.conformis.com

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Corin has led the way in orthopaedic innovation, and through the combination of Corin’s Optimized Positioning System (OPSTM), and the OMNIRobots robot platform, Corin is uniquely positioned to address functional patient-specific joint replacement along with our portfolio of clinically proven implants which are optimised by unique procedural technologies.

**Booth 413**
**CurveBeam**
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CurveBeam specializes in CT imaging systems for the orthopedic extremities. It’s point-of-care solutions have compact footprints, plug into a standard wall outlet, and require minimal shielding. CurveBeam’s weight bearing systems provide three-dimensional alignment views of the lower extremities.

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**DePuy Synthes**
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www.depuysynthes.com

DePuy Synthes Companies provides one of the most comprehensive orthopaedics portfolios in the world. Specialties including joint reconstruction, trauma, craniomaxillofacial, spinal surgery and sports medicine. Designed to advance patient care while delivering clinical and economic value to health care systems worldwide.

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**Direct Biologics**
6070 Telegraph Road, Suite B
St Louis, MO 63129, USA
www.directbiologics.com

Direct Biologics is a market leading innovator and science based biologics manufacturer of regenerative medical products including a robust line of biologic products. Direct Biologics was created to expand the science of cutting edge biologic technologies.

**Booth 127**
**DJO**
2900 Lake Vista Drive
Dallas, TX 75067, USA
www.djoglobal.com

DJO provides solutions for musculoskeletal and vascular health, rehabilitation and pain management as well as joint reconstruction. Our products help prevent injury, rehabilitate after injury or surgery, and manage progression of degenerative disease, helping patients to keep moving and return to a healthier lifestyle. Visit www.DJOglobal.com.

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www.doctor.com

Doctor.com is the only complete platform built to help healthcare organizations deliver a better customer experience at every step of the patient journey.

**Booth 138**
**Elcam Medical**
2 University Plaza, Suite 620
Hackensack, NJ 07601, USA
www.elcam-medical.com

Elcam Medical is a worldwide manufacturer of disposable medical devices for the OEM market. Elcam will be demonstrating Arthrotap™, a new product that facilitates the aspiration-injection process with one device.

**Booth 121**
**Exactech**
2320 NW 66th Court
Gainesville, FL 32653, USA
www.exac.com

Exactech develops and produces innovative implants, instrumentation and computer-assisted technologies for joint replacement surgery. For more information, please visit www.exac.com.

**Booth 340**
**Exscribe Inc.**
5 West Fourth Street
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www.exscribe.com

Backed by first-class customer support, Exscribe EHR is designed for efficiency. While “one-click” treatment plans boost practice productivity, our software frees up more time to focus on the patient.

**Booth 119**
**Ferring Pharmaceuticals**
100 Interpace Parkway
Parsippany, NJ 07054, USA
www.ferringusa.com

Ferring Pharmaceuticals is a research driven biopharmaceutical company devoted to identifying, developing and marketing innovative products in the fields of orthopaedics, women’s health, reproductive health, gastroenterology, urology and pediatric endocrinology. To view all of our US offerings, please visit www.ferringusa.com.

**Booth 116**
**Fidia Pharma USA Inc.**
100 Campus Drive, Suite 105
Florham Park, NJ 07932, USA

Fidia provides innovative injectable products for use in orthopedic care, including HA-Viscosupplements HYMOVIS and HYALGAN for knee OA pain; and NuDYN, a unique shelf-stable, acellular, injectable flowable amniotic membrane allograft.

**Booth 227**
**Firstkind, Ltd**
1701 Trinity Street, Room 3.310
Dell Medical School
Austin, TX 78712, USA
www.gekodevices.com

Firstkind’s range of multi-application wearable therapy devices mimic the body’s own nerve signals to elicit low force NMES-induced muscle contraction. Application areas include edema management, the prevention of venous thromboembolism (VTE) and wound healing. The geko™ device is FDA-approved for the reduction of edema and the prevention of DVT in surgical and non-surgical patients.

**Booth 118**
**Flexion Therapeutics - Medical Affairs**
10 Mall Road, Suite 301
Burlington, MA 01803, USA
www.flexiontherapeutics.com

Flexion Therapeutics (Nasdaq:FLXN) is a biopharmaceutical company focused on advancing innovative, local therapies for the treatment of patients with musculoskeletal conditions, beginning with osteoarthritis.
EXHIBITOR DIRECTORY (continued)

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www.globusmedical.com
Globus Medical, a leading musculoskeletal solutions company is driving significant technological advancements across a complete suite of products ranging from spinal, trauma and orthopedics therapies to robotics, navigation and imaging.

Booth 115
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Booth 421
ICONN Orthopaedics
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ICONN manufactures orthopedic implants and instruments with a dual focus on quality and cost. We provide products for our surgeon customers that allow them to treat their patients with cutting edge technology in a financially responsible way.

Booth 441
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www.innomed.net
Innomed, Inc., a developer of instruments for orthopedic surgery, continues to introduce new and innovative products. We offer an array of unique instruments and patient positioning devices, designed by or in conjunction with orthopedic surgeons and surgical professionals.

Booth 237
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Integra LifeSciences is a global leader in regenerative technologies, neurosurgical and extremity orthopedic solutions dedicated to limiting uncertainty for clinicians, so they can focus on providing the best patient care.

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Interventional Orthopedics Foundation is the only non-profit in orthobiologics. We offer membership and a training curriculum with hands-on cadaver labs which takes MDs and DOs from novice to expert.

Booth 120
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www.orthosummit.com
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KARL STORZ offers a range of orthopedic technologies, including the DrillCut-X® Arthro Shaver handpiece, SilCUT® hand instruments, EndoCAMeleon® telescope with adjustable viewing angle, and EndoMAT® Select modular suction/irrigation pump.

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www.osteocentric.com
OsteoCentric Technologies was founded in 2015 to design, develop, and market innovative medical devices. Our technologies revolutionize the interface between bone and implants utilizing patented bone preparation technology and thread geometries.

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www.orthogrid.com
OrthoGrid Systems is a global MedTech leader in the development, innovation, and commercialization of alignment solutions for orthopedic surgery in North America, Asia, and Europe. Our intelligence-guided systems are designed to work within the surgical theater and interface with existing hospital equipment revealing fluoroscopic distortion and enhancing surgical outcomes. OrthoGrid’s unique alignment solutions empower surgeons to make more informed intraoperative decisions, enhancing patient outcomes.

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9400 W. Higgins Road, Suite 215
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www.oref.org
The Orthopaedic Research and Education Foundation (OREF) is a charitable organization committed to improving lives by supporting excellence in orthopaedic research.
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P3 Inbound provides online marketing for orthopedic practices. With over 20 years’ experience, we deliver targeted marketing that allows surgeons to attract new patients, build trust, and grow their practice.

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<th>Pacira Biosciences, Inc.</th>
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<tr>
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Pacira BioSciences, Inc. is a leading provider of non-opioid pain management and regenerative health solutions dedicated to improving outcomes for clinicians and patients. To learn more about Pacira, visit www.pacira.com.

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Working relentlessly to advance the science behind F&A surgery, P28 is passionate about blending surgical philosophies from global thought leaders to develop biomechanically and clinically relevant solutions.

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Parcus Medical designs, manufactures, and distributes implants and instrumentation used in sports medicine procedures of the knee, hip, shoulder, and distal extremities.

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Predictive Biotech is a leader in regenerative medicine, delivering human cell and tissue products designed to support the body’s natural ability to heal itself.

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<tr>
<td>2328 Saddleback Drive Castle Rock, CO 80104, USA <a href="http://www.regenacelltherapy.com">www.regenacelltherapy.com</a></td>
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Regenacell Therapy provides innovative and cost effective Orthobiologic medical solutions by offering CELLFUSE, Marrow Cellution, and Lipo-Pro. Come by our booth and experience CELLFUSE; a revolutionary fusion solution for yourself.

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Regenexx® is a worldwide, elite physician network utilizing the world’s most advanced stem cell and blood platelet procedures for orthopedics. Regenexx® is devoted to growing your regenerative medicine practice through advanced technology, proven research with a patient registry database, physician/lab training, and marketing.

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<th>Skeletal Dynamics</th>
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<td>8905 SW 87th Avenue Miami, FL 33176, USA <a href="http://www.skeletaldynamics.com">www.skeletaldynamics.com</a></td>
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Skeletal Dynamics was founded in 2007 with the goal of understanding the clinical challenges of upper extremity surgery and providing innovative, science-based solutions to solve unmet clinical needs. The upper extremity surgeon’s vision, clinical perspective and patient-needs guide all our decisions. Our mission is to become the premier upper extremity company on the planet.
Shukla Medical is an orthopedic extraction instrument manufacturer dedicated to pioneering truly universal orthopedic implant removal solutions from head to toe. We offer fifteen comprehensive orthopedic revision systems, including the Shukla Mini for small screw removal common in hand surgery, the Shukla Screw system for broken & stripped screw removal, the Shukla Nail system for IM nail extraction, and many more.

Si-BONE, Inc. is a leading medical device company that has developed the iFuse Implant System®, a proprietary minimally invasive surgical implant system to fuse the sacroiliac joint.

Si-BONE, Inc. is a portfolio medical technology business with leadership positions in:
• Orthopaedic Reconstruction - Joint replacement systems for knees and hips
• Sports Medicine - Minimally invasive surgery of the joint
• Trauma & Extremities
• Advanced Wound Management

Surgeons Capital Management (SCM) is a wealth management firm dedicated to and working with surgeons around the country. We specialize in creditor and asset protection, tax-advantaged distribution, and wealth and estate strategies for high net worth individuals. Please visit our website to learn more – www.surgeonscapitalmanagement.com.

Trice Medical offers minimally invasive orthopedic diagnostic and surgical solutions that provide more immediate and definitive patient care helping to reduce costs, improve surgical outcomes and shorten down-time for patients.

TRX Orthopedics and CellRight Technologies are leading the way in regenerative medical technology for patient unmet needs, with industry leading products for sports medicine, spine, extremities, TJA and trauma indications.

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The Instrument Pod reduces your room turnover time by 15-20 minutes, allowing you to perform an extra surgery per day. We save you time and generate revenue.

United Orthopedic Corporation
United Orthopedic Corporation is a leading international designer, manufacturer, and distributor of innovative orthopedic implants and instrument sets. The company offers clinically proven solutions used to perform primary total hip and knee replacement, revision procedures, and oncology applications.

The U.S. Army Medicine Civilian Corps is comprised of civilian healthcare professionals employed by the Federal Government. Civilian Corps employees serve our country by caring for Army service members.

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VirtaMed prepares trainees for the operating room quickly and efficiently. Support your trainees through their arthroscopic learning journey with progressively more complex training cases and society-endorsed and competency-based curriculum.

Weave started with one goal: to bring businesses and clients together and nurture that relationship. Today Weave facilitates thousands of offices as a go-to integrated communications hub including a phone system, scheduler, two-way texting and more.

WebMD offers the #1 online source for finding doctors. Earn top search results and competitive placement with our enhanced profiles, turnkey website solutions, and lead-gen tools.

Wolters Kluwer is a leading international publisher of medical books, journals, and electronic media. Visit our booth to browse our comprehensive product line.

Xiros focused products in the US are the FlexPasser, for flexor tendon repair and Infinity Lock Button System for ACJ reconstruction. Each of these offers unique advantages over competitive products.

ZipLine Medical offers surgical (Zip Surgical Skin Closure) and chronic (PreLoc Wound Closure) solutions based on proven, non-invasive force distribution technology. Published clinical studies have demonstrated superior clinical and economic benefits vs. standard of care, including shorter procedure time, fewer wound-related complications and readmissions, and fewer post-operative provider visits.

Zimmer Biomet is a global leader in musculoskeletal healthcare and the design, manufacturing and marketing of orthopaedic reconstructive products.

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**Registration**

- **Tuesday, December 10**: 8:00AM - 3:00PM
- **Wednesday, December 11**: 8:00AM - 3:00PM
- **Thursday, December 12**: 8:00AM - 3:00PM

**Lunch**

- **Lunch Served**: Throughout the day

**Award Ceremony**

- **Thursday, December 12**: 4:00PM - 4:15PM

**Break & Visit The Exhibits**

- Throughout the day

**Meeting at a Glance**

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Kevin Wilk, DPT

International Arthroplasty Honored Professor
Nicolaas Budhiparama, MD, FICS

Honored Arthroplasty Professors
Aaron Hoffman, MD, FACS
David Lewellan, MD
David R. Murray, MD, FACC

International Distinguished Arthroplasty Professor
Michael Tanzer, MD

Honored Elbow, Wrist & Hand Professors
Richard Gelberman, MD
Bernard F. Morrey, MD
Terry L. Whipple, MD

Honored Foot & Ankle Professor
Shepard R. Hurwitz, MD

Honored Knee Professor
Bernard R. Bach, Jr., MD

Distinguished Knee Professor
Mark Miller, MD

International Honored Knee Professor
Philippe Neyret, MD
René Verdonk, MD, PhD

International Honored Shoulder Professor
Giovanni Di Giacomo, MD
Peter A. MacDonald, MD

Honored Shoulder Professor
David M. Dines, MD

Distinguished Elbow, Wrist & Hand Professor
Jorge L. Orbay, MD

Honored Spine Professor
Frank J. Eismont, MD

Distinguished Spine Professors
Lawrence G. Lenke, MD
Sam W. Wiesel, MD

Honored Trauma Professors
Emil Schemitsch, MD, FRCSC
Bruce C. Twaddle, MD

Distinguished Trauma Professors
William M. Ricci, MD
Mark S. Vrahas, MD

*Invited Only

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