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Dear OSET Family,

On behalf of the entire faculty and our cutting-edge industry partners, we are thrilled to welcome you to the **2021 Orthopaedic Summit: Evolving Techniques** at the Bellagio Hotel in Las Vegas, Nevada.



Your registration unlocks four days of interactive, live programming with countless educational opportunities including symposia, rapid-fire debates, diverse international perspectives, cutting-edge lectures, case-based panel discussions, industry spotlight sessions, and cadaver labs on the latest techniques and innovation.

The Orthopaedic Summit annually provides an opportunity to gather together once again to build relationships with our world-renowned faculty, industry partners, sponsors and exhibitors, your physician colleagues, fellows, residents, medical students, physician assistants, nurse practitioners, athletic trainers, physical therapists, occupational therapists, and certified surgical technicians. We wholeheartedly believe we are revolutionizing the delivery of cutting-edge innovation and education. Our hope is that you will take what you learn in the next four days and share it those that could not attend and across the globe and most importantly to improve the health of your patients.

Don't Miss Every Opportunity!

- **7 Live Surgeries**
- **Personalized Cadaver Labs** – Choose from several cadaver labs: **advanced fracture fixation**, cartilage repair, hip arthroscopy, **primary and revision knee arthroplasty**, shoulder, knee, and ankle instability repair, **total talus replacement**, and **spine robot/navigation/AR/VR**. **Advanced Pre-Registration is Required! FREE for faculty and all OSET participants.**
- **Visit Our Exhibit Hall** – Over 120 exhibitors. Win Prizes Daily – including **iPhone 13, Apple Watch, drones, Bose Tenor Frames, Bose Sound Bars, Oculus Quest** and so much more.
- **Daily Lunch & Dinner Symposium & Spotlights** – Enjoy lunch and dinner while listening to cutting-edge innovation from our Industry Partners.
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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 YOU, and we thank you for spending these four days with us.

Wishing you and your family health and safety during the upcoming holiday season!

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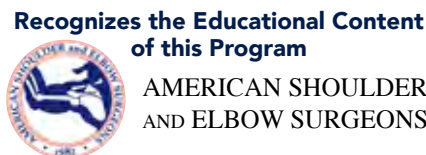
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David F. Hubbard, MD
Jesse B. Jupiter, MD
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OUTPATIENT JOINT ARTHROPLASTY SUMMIT • BELLAGIO BALLROOM 2, 4, 6, 7

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|---|---|
| <p>Outpatient Joint Arthroplasty Summit Co-Chairs Craig M. McAllister, MD Michael P. Ast, MD</p> | |
| 6:50 | <p>WELCOME & INTRODUCTION BREAKFAST SERVED IN ROOM The Pendulum Has Swung: Don't Be That Old-Fashioned Surgeon Working In An Outdated Institution! Michael P. Ast, MD Craig M. McAllister, MD</p> |
| <p>6:55 AMBULATORY JOINT REPLACEMENT: JUMP ON BOARD, HOW TO SUCCEED - PLANNING FOR SURGEON, PATIENT & FACILITY Section Moderator: Craig M. McAllister, MD</p> | |
| 6:55 | <p>Patient Expectations & Perfect Execution Is The Goal: What Is The Process & How To Plan To Make It Happen Kevin D. Plancher, MD, MPH, FAAOS, FAOA</p> |
| 7:03 | <p>My Perfect Outpatient Experience: Let Me Show You The Data Stefan W. Kreuzer, MD, MSc</p> |
| 7:11 | <p>My Joint Replacement Success During The Pandemic: It's All About Outpatient Surgery - We Can Be Safe & Successful Richard D. Roux, MD</p> |
| 7:19 | <p>Patient Selection: Keys To Successful Reimbursement, Insurance Implications & Knowing Comorbidities Ira Kirschenbaum, MD</p> |
| 7:27 | <p>It All Starts With Patient Engagement: The Phone Call & Reassuring Pain Will Not Be An Issue Postop Michael P. Ast, MD</p> |
| 7:35 | <p>Preop Preparedness: Fitness, Nutrition, Infection Prevention & The Role Of "Preoperative Clearance" Thomas Meade, MD</p> |
| 7:43 | <p>Why You Must Be Involved Or Don't Do Outpatient Surgery Stefano Alec Bini, MD</p> |
| 7:51 | <p>Clinical Case Presentations With Questions & Answers: Patient Selection, Preoperative Clearance, Comorbidities, Consideration Why Not All Patients For Outpatient Surgery Case Panel Moderators: Michael P. Ast, MD Craig M. McAllister, MD Case Panel: Stefano Alec Bini, MD Ira Kirschenbaum, MD Stefan W. Kreuzer, MD, MSc Craig Loucks, MD Thomas Meade, MD Kevin D. Plancher, MD, MPH, FAAOS, FAOA Richard D. Roux, MD Alexander P. Sah, MD Sanjay Sinha, MD</p> |

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| <p>8:06 FACILITIES, OUTCOMES, AND THE BUSINESS OF ASCs Section Moderator: Ira Kirschenbaum, MD</p> | |
| 8:06 | <p>Facilities: Hospital Outpatient Department Or Surgeon Owned ASC: The Differences Craig M. McAllister, MD</p> |
| 8:14 | <p>Outcomes: Pain Versus Surgeon Wishful Perceptions Alexander P. Sah, MD</p> |
| 8:22 | <p>Data & Outcomes Of My Patients: It Is A Necessity For The Public & Insurance Companies Ira Kirschenbaum, MD</p> |
| 8:30 | <p>Eliminating Failures To Launch – It's A Team Sport Katherine Grichnik, MD, MS, FASE</p> |
| 8:38 | <p>Clinical Case Presentations With Questions & Answers: A Frank Discussion Of Outcomes, Different Types Of ASC Opportunities & Who You Team Up With: ASC The 21st Century Cures Act, Value Based Care Light For ASCs Case Panel Moderator: Ira Kirschenbaum, MD Case Panel: Michael P. Ast, MD Stefano Alec Bini, MD Craig M. McAllister, MD Katherine Grichnik, MD, MS, FASE Stefan W. Kreuzer, MD, MSc Craig Loucks, MD Thomas Meade, MD Richard D. Roux, MD Alexander P. Sah, MD Andrew B. Wickline, MD, FAAOS</p> |
| <p>8:58 BREAK & REFRESHMENTS</p> | |
| <p>9:13 OUTPATIENT JOINT REPLACEMENT: WHAT REALLY WORKS Section Moderator: Michael P. Ast, MD</p> | |
| 9:13 | <p>The Anesthesiologist: Starting Blocks, Indwelling Catheters & New Innovation Sanjay Sinha, MD</p> |
| 9:21 | <p>Surgical Techniques For Outpatient THR: What Really Works? Benjamin G. Domb, MD</p> |
| 9:29 | <p>Surgical Techniques For Outpatient TKR: What Really Works? Craig M. McAllister, MD</p> |
| 9:37 | <p>Outpatient Total Joints In 10 Pills Or Less: What Really Doesn't Work For Me & What I Learned! Andrew B. Wickline, MD, FAAOS</p> |
| 9:45 | <p>Technology In Joint Replacement: What Really Works & Giving Guarantees Craig Loucks, MD</p> |
| 9:53 | <p>Postop Recovery: The New Role For Physical Therapy – My Feelings About Inpatient Versus Outpatient Programs Vinod Dasa, MD</p> |

OUTPATIENT JOINT ARTHROPLASTY SUMMIT
• BELLAGIO BALLROOM 2, 4, 6, 7

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|-------|---|
| 10:01 | The Front Office: When to Call, When to Worry & Who Makes The Call - Why Shouldn't All Patients Be Outpatient <i>John M. Keggi, MD</i> |
| 10:09 | The Role Of TXA, Tourniquets, Drains, & Intraoperative Marcaine <i>Amar S. Ranawat, MD</i> |
| 10:17 | Feature Presentation: Innovative Technology For Outpatient Arthroplasty: Don't Get Caught Behind <i>Ivan Tornos, MD</i> |
| 10:33 | Clinical Case Presentations With Questions & Answers: Rapid Fire, Changing Dogma For The ASC: What Works, What Doesn't <i>Case Panel Moderator: Michael P. Ast, MD</i> <i>Case Panel: Vinod Dasa, MD</i> <i>Benjamin G. Domb, MD</i> <i>Katherine Grichnik, MD, MS, FASE</i> <i>Craig Loucks, MD</i> <i>John M. Keggi, MD</i> <i>Amar S. Ranawat, MD</i> <i>Sanjay Sinha, MD</i> <i>Ivan Tornos, MD</i> <i>Andrew B. Wickline, MD, FAAOS</i> |
| 10:53 | Wrap Up & Summary <i>Michael P. Ast, MD</i> <i>Craig M. McAllister, MD</i> |

11:00 **LIVE SURGERY**

NAVIGATED TOTAL HIP ARTHROPLASTY
Surgeon: Peter K. Sculco, MD
Moderators: Stefan Kreuzer, MD
Ran Schwarzkopf, MD, MSc
Supported By An Educational Grant By Intellijoint Surgical

12:00 **Lunch With Non-CME Spotlight Sessions**
Please See Pages 81-83 For Details.
Lunch Served In Room

37.75 CME/CEU

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ADVANCED FRACTURE TRAUMA SYMPOSIUM AND CADAVER LAB • MONET 3 & 4

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|---|---|
| <i>Supported By DePuy Synthes</i> | |
| Advanced Fracture Trauma Symposium & Cadaver Lab Chair <i>James P. Stannard, MD</i> | |
| Distinguished Professors <i>Jesse B. Jupiter, MD</i> <i>Bernard F. Morrey, MD</i> | |
| 6:55 | WELCOME & INTRODUCTION BREAKFAST SERVED IN ROOM <i>James P. Stannard, MD</i> |
| 7:00 | ELBOW FRACTURES: UNDERSTANDING BEST PRACTICES Section Moderators: Bernard F. Morrey, MD Michael Suk, MD, JD, MPH, MBA, FACS |
| 7:00 | Management Of Radial Head Fractures: ORIF To Replacement <i>Jay Bridgeman, MD</i> |
| 7:10 | Proximal Ulna: Restoring The Articular Surface - From Simple To Complex Fractures <i>David S. Ruch, MD</i> |
| 7:20 | Distal Humerus: Avoiding Malreduction - New Concepts In 2021, Tips & Tricks <i>Jesse B. Jupiter, MD</i> |
| 7:30 | Clinical Case Presentations With Questions & Answers <i>Case Panel Moderators: Bernard F. Morrey, MD</i> <i>Jesse B. Jupiter, MD</i> <i>Case Panel: Jay Bridgeman, MD</i> <i>Diane Nam, MSc, MD, FRCSC</i> <i>Jorge L. Orbay, MD</i> <i>David S. Ruch, MD</i> <i>Stephen J. Warner, MD, PhD</i> |
| 7:55 | SHOULDER GIRDLE FRACTURES IN 2021 Section Moderator: Paul A. Henkel, DO |
| 7:55 | Complex Clavicle Fractures: Tips & Tricks To Avoid Malunion & Non-Unions <i>Robert Probe, MD</i> |
| 8:05 | Scapula Fractures From Intra-Articular Glenoid To The Spine & Fossas: Easy Approaches <i>Stephen J. Warner, MD, PhD</i> |
| 8:15 | Clinical Case Presentations With Questions & Answers <i>Case Panel Moderator: Stephen J. Warner, MD, PhD</i> <i>Case Panel: Paul A. Henkel, DO</i> <i>Robert Probe, MD</i> <i>Michael Suk, MD, JD, MPH, MBA, FACS</i> <i>Holly Tyler-Paris Pilson, MD</i> |
| 8:30 | TIBIA FRACTURES IN THE MODERN FRONTIER Section Moderator: Michael Suk, MD, JD, MPH, MBA, FACS |
| 8:30 | Suprapatellar Nailing: Tips & Tricks For Successful Outcomes <i>Brent Norris, MD</i> |

ADVANCED FRACTURE TRAUMA SYMPOSIUM AND CADAVER LAB • MONET 3 & 4

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|-------|--|
| 8:40 | Plating Options: Reducing Complex Fractures From Proximal To Distal Joint Line Congruency <i>David F. Hubbard, MD</i> |
| 8:50 | Complex Tibial Fractures Using New Nail Options <i>Holly Tyler-Paris Pilson, MD</i> |
| 9:00 | Clinical Case Presentations With Questions & Answers Case Panel Moderators: <i>Robert Probe, MD</i> <i>David E. Asprinio, MD</i> Case Panel: <i>David F. Hubbard, MD</i> <i>Brent Norris, MD</i> <i>Michael Suk, MD, JD, MPH, MBA, FACS</i> <i>Holly Tyler-Paris Pilson, MD</i> |
| 9:20 | BONE GRAFT VIA REAMER IRRIGATOR ASPIRATOR: WHAT IS THIS? Section Moderator: <i>James P. Stannard, MD</i> |
| 9:20 | What Do You Get With Reamer Irrigator Aspirator Bone Graft? <i>James P. Stannard, MD</i> |
| 9:35 | What Are The Advances In Recent Reamer Irrigator Aspirator Technology? <i>Paul A. Henkel, DO</i> |
| 9:45 | BREAK & REFRESHMENTS & MOVE TO CADAVER LAB |
| 10:00 | MOVE TO CADAVER LAB: TIBIA, SHOULDER GIRDLE, ELBOW • BELLAGIO BALLROOM 1 & 5 |
| 10:00 | Complex Tibia: Nailing, Plating & Periprosthetic Fractures Elbow: ORIF Distal Humerus, Coronoid, Proximal Ulna, Clavicle Plating Lab Directors: <i>Bernard F. Morrey, MD</i> <i>James P. Stannard, MD</i> Lab Chairs: <i>David F. Hubbard, MD</i> <i>Jesse B. Jupiter, MD</i> <i>Jorge L. Orbay, MD</i> <i>Michael Suk, MD, JD, MPH, MBA, FACS</i> Lab Faculty: <i>David E. Asprinio, MD</i> <i>Jay Bridgeman, MD</i> <i>David F. Hubbard, MD</i> <i>Paul A. Henkel, DO</i> <i>Frank A. Liporace, MD</i> <i>Michael D. McKee, MD, FRCS(C)</i> <i>Diane Nam, MSc, MD, FRCSC</i> <i>Brent Norris, MD</i> <i>Robert Probe, MD</i> <i>David S. Ruch, MD</i> <i>Holly Tyler-Paris Pilson, MD</i> <i>Stephen J. Warner, MD, PhD</i> |
| 12:00 | Exhibit Hall Opens, Lunch Served |

ORTHOPAEDIC REHAB • CEZANNE 1, 2

| | |
|--|---|
| <p>Program Supported by Chattanooga Lightforce and InReach Health - Stopain Clinical</p> <p>Orthopaedic Rehabilitation Co-Chairs <i>Charles A. Thigpen, PT, PhD, ATC</i> <i>Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i> <i>Kevin E. Wilk, PT, DPT, FAPTA</i></p> | |
| 7:00 | WELCOME & INTRODUCTION BREAKFAST SERVED IN ROOM <i>Charles A. Thigpen, PT, PhD, ATC</i> <i>Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i> <i>Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 7:05 | TRANSLATING EVIDENCE TO BEST CLINICAL PRACTICE: GETTING THE DIAGNOSIS RIGHT PREDICTS SUCCESS Section Moderator: <i>Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 7:05 | Case-Based Panel With Demonstration: Differential Diagnosis & Performing The Perfect Physical Examination Of The Upper Quarter Case Panel Moderator: <i>Lori Michener, PT, ATC, PhD</i> Case Panel: <i>Sue Falsone, PT, MS, SCS, ATC, CSCS, COMT</i> <i>Joseph Godges, DPT, MA, OCS</i> <i>Seth Peterson, PT, DPT, OCS, CSCS, FAAOMPT</i> <i>Amee L. Seitz, PT, DPT, PhD</i> <i>Ellen Shanley, PhD, PT, OCS</i> <i>Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 7:05 | Case 1: Neck & Arm Pain: Dialing In The Diagnosis Of Shoulder Pain |
| 7:35 | Case 2: Difficult Non-Specific Shoulder Pain: Examination Of The Elusive 'Impingement Syndrome' |
| 8:05 | Case 3: Predicting Success For Non-Operative Shoulder Instability |
| 8:35 | Case 4: Mid-Season 'Deadarm' In The Collegiate Pitcher |
| 9:05 | BREAK & REFRESHMENTS |
| 9:30 | Case-Based Panel With Demonstration: Differential Diagnosis & Performing The Perfect Physical Examination Of The Lower Quarter Case Panel Moderator: <i>Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS</i> Case Panel: <i>Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2</i> <i>Keelan Enseki, MS, PT, OCS, SCS, ATC, CSCS</i> <i>RobRoy L. Martin, PhD, PT, CSCS</i> <i>Darin Padua, PhD, ATC</i> <i>Russell M. Paine, PT</i> <i>Timothy F. Tyler, MS, PT, ATC</i> <i>Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i> <i>Elizabeth Wellsandt, PT, DPT, PhD, OCS</i> |
| 9:30 | Case 5: Back & Hip Pain: Intraarticular Hip Pain As Lower Back Pain |
| 10:00 | Case 6: Radiating LBP In The Golfer |
| 10:30 | Case 7: Anterior Knee Pain Following Anterior Cruciate Ligament Reconstruction |
| 11:00 | Case 8: The Female Collegiate Lacrosse Player: How To Determine If She Is A Coper Or A Non-Coper Following ACL Rupture |

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| 11:30 | Lecture & Discussion: Intervention Strategies For Psychological Readiness, Resilience & Fear Avoidance: Keys To Musculoskeletal Success <i>Elizabeth Wellsandt, PT, DPT, PhD, OCS</i> |
| 12:00 | EXHIBIT HALL OPENS, LUNCH SERVED |
| 1:00 | TRANSLATING EVIDENCE TO BEST CLINICAL PRACTICE: INTERVENTION & RETURN TO SPORT STRATEGIES: PART I Section Moderator: <i>Charles A. Thigpen, PT, PhD, ATC</i> |
| 1:00 | Case-Based Panel With Demonstration: Progression Of Manual Therapy, Dry Needling, & Cupping To Increase Mobility & Restore Function Case Panel Moderator: <i>Sue Falsone, PT, MS, SCS, ATC, CSCS, COMT</i> Case Panel: <i>Joseph Godges, DPT, MA, OCS</i> <i>Seth Peterson, PT, DPT, OCS, CSCS, FAAOMPT</i> <i>Lori Michener, PT, ATC, PhD</i> <i>Amee L. Seitz, PT, DPT, PhD</i> <i>Ellen Shanley, PhD, PT, OCS</i> <i>Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 1:00 | Case 1: Neck & Arm Pain: Dialing In The Diagnosis Of Shoulder Pain |
| 1:20 | Case 2: Difficult Non-Specific Shoulder Pain: Examination Of The Elusive 'Impingement Syndrome' |
| 1:40 | Case 3: Predicting Success For Non-Operative Shoulder Instability |
| 2:00 | Case 4: Mid-Season 'Deadarm' In The Collegiate Pitcher |
| 2:20 | TRANSLATING EVIDENCE TO BEST CLINICAL PRACTICE: INTERVENTION & RETURN TO SPORT STRATEGIES: PART II Section Moderator: <i>Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i> |
| 2:20 | Case-Based Panel With Demonstration: Progression Of Manual Therapy, Dry Needling, & Cupping To Increase Mobility & Restore Function Case Panel Moderator: <i>Sue Falsone, PT, MS, SCS, ATC, CSCS, COMT</i> Case Panel: <i>Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2</i> <i>Keelan Enseki, MS, PT, OCS, SCS, ATC, CSCS</i> <i>RobRoy L. Martin, PhD, PT, CSCS</i> <i>Darin Padua, PhD, ATC</i> <i>Russell M. Paine, PT</i> <i>Timothy F. Tyler, MS, PT, ATC</i> <i>Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i> <i>Elizabeth Wellsandt, PT, DPT, PhD, OCS</i> |
| 2:20 | Case 5: Back & Hip Pain: Intraarticular Hip Pain As Lower Back Pain |
| 2:40 | Case 6: Radiating LBP In The Golfer |
| 3:00 | Case 7: Anterior Knee Pain Following Anterior Cruciate Ligament Reconstruction |
| 3:20 | Case 8: The Female Collegiate Lacrosse Player: How To Determine If She Is A Coper Or A Non-Coper Following ACL Rupture |
| 3:40 | BREAK & VISIT THE EXHIBITS |

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| 4:15 | UNDERSTANDING RETURN TO SPORT: LEVERAGING TECHNOLOGY & SCIENCE TO OPTIMIZE PERFORMANCE Section Moderators: <i>Charles A. Thigpen, PT, PhD, ATC</i> <i>Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i> |
| 4:15 | Case-Based Demonstration 1: Return To Sport Criteria For Upper Extremity Sports <i>Special Considerations For The Throwing Athlete</i> <i>Special Considerations For The Instability Athlete</i> Case Panel Moderator: <i>Kevin E. Wilk, PT, DPT, FAPTA</i> Case Panel: <i>Sue Falsone, PT, MS, SCS, ATC, CSCS, COMT</i> <i>Joseph Godges, DPT, MA, OCS</i> <i>Lori Michener, PT, ATC, PhD</i> <i>Seth Peterson, PT, DPT, OCS, CSCS, FAAOMPT</i> <i>Amee L. Seitz, PT, DPT, PhD</i> <i>Ellen Shanley, PhD, PT, OCS</i> |
| 5:05 | Case-Based Demonstration 2: Return To Sport Criteria For Lower Extremity Sports <i>Special Considerations For The Athlete's Injured Hip</i> <i>Special Considerations For The Athlete's Reconstructed ACL</i> Case Panel Moderator: <i>Kevin E. Wilk, PT, DPT, FAPTA</i> Case Panel: <i>Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2</i> <i>Keelan Enseki, MS, PT, OCS, SCS, ATC, CSCS</i> <i>Sue Falsone, PT, MS, SCS, ATC, CSCS, COMT</i> <i>Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS</i> <i>RobRoy L. Martin, PhD, PT, CSCS</i> <i>Darin Padua, PhD, ATC</i> <i>Russell M. Paine, PT</i> <i>Ellen Shanley, PhD, PT, OCS</i> <i>Elizabeth Wellsandt, PT, DPT, PhD, OCS</i> |
| 5:55 | Wrap Up & Summary |
| 6:00 | OSET-IJSPT Research Symposium |
| 7:00 | End Of Ortho Rehab Program |

JOIN US: OSET-IJSPT Research Symposium

Saturday, December 11th
6:00 PM – 7:00 PM | Grand Ballroom 7&9

CHAIRS:

Phil Page, PhD, PT, ATC, FACSM
Charles A. Thigpen, PT, PhD, ATC

Light Hors D'oeuvres & Libations

Supported by an educational grant by Hyperice & ATI Physical Therapy

WEALTH PLANNING FOR ORTHOPAEDIC SURGEONS • GRAND BALLROOM 3, 6

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| <p>Wealth Planning for Orthopedic Surgeons: How to Earn More, Build More, Reduce Taxes, and Protect What You've Built</p> <p><i>Wealth Planning Chair</i> David B. Mandell, JD, MBA</p> | |
| 7:00 | <p>WELCOME & INTRODUCTION BREAKFAST SERVED IN ROOM</p> <p>David B. Mandell, JD, MBA</p> |
| 7:05 | <p>SIGNING A PRIVATE PRACTICE OR HOSPITAL CONTRACT, AVOIDING TAXES & PICKING THE RIGHT BENEFITS</p> <p>Section Moderator: David B. Mandell, JD, MBA</p> |
| 7:05 | <p>Starting & Finishing An Orthopaedic Career: What Steps To Take & How To Make It Even Better For You & Your Family</p> <p>Selene G. Parekh, MD, FAOA, MBA</p> |
| 7:20 | <p>Questions & Answers</p> |
| 7:25 | <p>How To Negotiate With Hospitals & Other Employers To Win</p> <p>Brad Adatto Michael Byrd</p> |
| 7:45 | <p>Questions & Answers</p> |
| 7:50 | <p>Tax Reduction 101: It's Not That Complicated - Tips & Tricks For The Employed & Private Practice Surgeon - Listen Up!</p> <p>Carole Foos, CPA</p> |
| 8:10 | <p>Questions & Answers</p> |
| 8:15 | <p>Building Your Brand: Market Analysis, Find Your Niche & Reputation Management: How To Win The Competition</p> <p>Michael P. Ast, MD</p> |
| 8:30 | <p>Questions & Answers</p> |
| 8:35 | <p>Build Retirement Wealth For You & Your Family: I Can Save You \$100k In Taxes</p> <p>Scott McHenry, FCA, MAAA, MSEA</p> |
| 8:55 | <p>Questions & Answers</p> |
| 9:00 | <p>BREAK & REFRESHMENTS</p> |
| 9:15 | <p>SELLING YOUR PRACTICE & HAVING FINANCIAL WEALTH WITHOUT TRYING: IS IT GOOD? IS IT BAD?</p> <p>Section Moderator: David B. Mandell, JD, MBA</p> |
| 9:15 | <p>Thirty Years Of Being Academic & Private Practice: How Do You Balance Both? You Can Be Greedy & Have It All</p> <p>Kevin D. Plancher, MD, MPH, FAAOS, FAOA</p> |
| 9:30 | <p>Questions & Answers</p> |
| 9:35 | <p>How to Prepare An Orthopaedic Practice For A Multi-Million Dollar Sale Or Merger</p> <p>Clint Bundy, MBA</p> |
| 9:55 | <p>Questions & Answers</p> |
| 10:00 | <p>Salaries Down, You Need To Make Money With Ancillary Services</p> <p>Allston J. Stubbs, MD, MBA</p> |

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| 10:15 | <p>Questions & Answers</p> |
| 10:20 | <p>The Secrets Behind Payer Contracting: How to Get Paid More For What You're Already Doing</p> <p>Brett Spark</p> |
| 10:40 | <p>Questions & Answers</p> |
| 10:45 | <p>Making Sure Your Financial Advisor Is Working For You & Not Themselves</p> <p>Brett Spark Andrew Taylor, CFP</p> |
| 11:00 | <p>Questions & Answers</p> |
| 11:05 | <p>Using A Relative Strength-Momentum Investing Strategy As Part Of Your Portfolio</p> <p>Jay Gragnani</p> |
| 11:25 | <p>Questions & Answers</p> |
| 11:30 | <p>How to Protect Everything You Own From Liability & Litigation: Secrets From A Lawyer</p> <p>David B. Mandell, JD, MBA</p> |
| 11:45 | <p>Questions & Answers</p> |
| 11:50 | <p>Conclusion: Putting these Ideas to Work for You Immediately</p> <p>David B. Mandell, JD, MBA</p> |
| 12:00 | <p>Exhibit Hall Opens, Lunch Served</p> |

7TH ANNUAL FELLOW, RESIDENT AND MEDICAL STUDENT RESEARCH SUMMIT

Sponsored By  VERICEL

Saturday, December 11th
7:00AM-5:00PM | Gaughin 1,2
Cocktail Reception - All Welcome
5:00PM-6:00PM | Bellagio Ballroom 3

Sunday, December 12th
7:00AM-11:00AM | Gaughin 1,2

Come Visit & Learn

Cash Prizes will be awarded for:
Best Overall Paper, Best Clinical Paper,
Best Basic Science Paper

Chairs



Steven P. Arnoczky, DVM



Lisa K. Cannada, MD, FAOA, FAAOS

Adjudicators

Julie A. Dodds, MD
Ira Kirschenbaum, MD
Sheldon S. Lin, MD
Kevin W. Farmer, MD
Simon C. Mears, MD, PhD, FAOA
Mary K. Mulcahey, MD

HIP ARTHROPLASTY • BELLAGIO BALLROOM 2, 4, 6, 7

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

Hip Arthroplasty Vice Chairs
Michael P. Ast, MD
Neil P. Sheth, MD

Distinguished Professor
Richard A. Berger, MD
Alejandro Gonzalez Della Valle, MD

International Honored Professors
Thorston Gehrke, MD, PhD

11:00

LIVE SURGERY

NAVIGATED TOTAL HIP ARTHROPLASTY

Surgeon: Peter K. Sculco, MD

Moderators: Stefan Kreuzer, MD

Ran Schwarzkopf, MD, MSc

Supported By An Educational Grant By Intellijoint Surgical

12:00 Lunch With Non-CME Spotlight Sessions

Please See Pages 81-83 For Details.

Lunch Served In Room

1:00

WELCOME & INTRODUCTION

Michael P. Ast, MD

Matthew S. Hepinstall, MD

Neil P. Sheth, MD

1:05

HIP FRACTURES: TOTAL HIP REPLACEMENT OR HEMI - UNDERSTANDING THE DECISION PROCESS

Section Moderator: Matthew S. Hepinstall, MD

1:05

73-Year-Old Community Ambulator, Former Smoker, Previous MI With A Garden IV Femoral Neck Fracture: How I Decide Whether It Is A Hemiarthroplasty Or A Total Hip Replacement & My Reasons Why

Elizabeth B. Gausden, MD, MPH

1:12

Evolving Technique Dilemma: 83-Year-Old Grandpa Of 16 Grandchildren With A Displaced Femoral Neck Fracture, The Fellow Just Cut The Labrum, Placed The Corkscrew In The Acetabulum, Cracked The Posterior Wall & It Was Going To Be A Hemiarthroplasty: What I Do Now To Get A Great Result

Neil P. Sheth, MD

1:18

Evolving Technique Update: The Posterior Approach To The Hip: All My Secrets How I Avoid Dislocations In Fracture Patients

Ran Schwarzkopf, MD, MSc

1:23

Evolving Technique Video Update: Non-Cemented Hemiarthroplasty In The 90-Year-Old: How I Do It Safely - My Tips & Tricks

Neil P. Sheth, MD

1:28

Evolving Technique Video Update: Cemented Hemiarthroplasty In The 90-Year-Old: My Technique In 2021 - No Complications

Elizabeth B. Gausden, MD, MPH

1:33

Evolving Technique Update: The Anterior Approach For The Hip Fracture: Let Me Show You How I See The Femur - 5 Tips, 5 Minutes

H. John Cooper, MD

1:38

THE TRAUMA VERSUS ARTHROPLASTY SERVICE: A MEETING OF THE MINDS - NOT SURE IT IS HAPPENING

Section Moderator: Matthew S. Hepinstall, MD

1:38

Debate: 56-Year-Old Male Skier Jumps Off A Cliff In Vail With A Displaced Femoral Neck Fracture

Debate Moderator: Amar S. Ranawat, MD

1:38

Pro: Reduce The Fracture In Less Than One Hour & Consider Closed Percutaneous Pinning Versus Open Reduction Internal Fixation

Frank A. Liporace, MD

1:44

Pro: Don't Be Silly, This Athlete Needs A Perfectly Done Primary Total Hip Replacement: He Will Be Skiing In No Time

Jeffrey B. Stambough, MD

1:50

Clinical Case Presentations With Questions & Answers: Perioperative Precautions To Have A Safe Outcome For Hip Fractures & Primary Hips: DVT Prophylaxis, Clearance For Surgery <24 Hours, Types Of Anesthesia, Treatment Of The Non-Displaced Femoral Neck Fracture In 50-Year-Old, Choosing Why Sliding Plates Vs. Intramedullary Devices, Ceramic Vs. Metal Heads For The Displaced Hip Fracture

Case Panel Moderators: Darwin D. Chen, MD
Neil P. Sheth, MD

Case Panel: H. John Cooper, MD
Elizabeth B. Gausden, MD, MPH
Alejandro Gonzalez Della Valle, MD
John M. Keggi, MD
Hari Kiran Parvataneni, MD
Amar S. Ranawat, MD
Jeffrey B. Stambough, MD
Mark S. Vrahas, MD, MHCDS
J. Tracy Watson, MD

2:10

MARKETING THE ANTERIOR APPROACH FOR TOTAL HIP REPLACEMENT: HYPE OR REALITY

Section Moderator: Jimmy Chow, MD

2:10

Evolving Technique Video Update: A Change In My Approach To Total Hip Replacement: Tips & Tricks To Transition From Posterior To Anterior

Neil P. Sheth, MD

HIP ARTHROPLASTY • BELLAGIO BALLROOM 2, 4, 6, 7

- 2:16 **Panel: Approach To The Total Hip: Does It Really Matter In A 46-Year-Old Former D1 Squash Player Who Needs A Primary Total Hip**
Panel Moderator: Elizabeth B. Gausden, MD, MPH
- 2:16 **Pro: The Anterior Approach: Here Are The Steps To Make It Work Well - You Better Jump On Board, Dr. Google Has Weighed In**
John M. Keggi, MD
- 2:22 **Pro: The Posterior Approach Is The Gold Standard: It Has Been Done For Years & Works Perfectly - This Is How I Get It Right**
Gwo-Chin Lee, MD
- 2:28 **Pro: My Lateral Approach: Stops Dislocations, It's Not So Hard - Pay Attention To My Tricks**
Troy D. Bornes, MD, PhD, FRCSC
- 2:34 **Pro: The Superior Approaches: So Many Choices - Direct Superior, SuperPATH, SPAIR - Insights In Common**
Jimmy Chow, MD

3:29 INFECTED TOTAL HIP REPLACEMENT: SO MANY OPTIONS TO HELP YOUR PATIENTS - WHO'S RIGHT
Section Moderator: Alberto Carli, MD

- 2:39 **Panel: 47-Year-Old Attorney 6 Weeks After Primary Hip With A Leaking Wound**
Panel Moderator: Friedrich Boettner, MD
- 2:39 **Pro: Wash It Out! My Options For Irrigation Solutions - Do's & Don'ts**
Alberto Carli, MD
- 2:45 **Pro: Save The Implants: DAIR (Debride, Antibiotics, Implant Retention) & Sometimes A Second DAIR**
Gwo-Chin Lee, MD
- 2:51 **Pro: Single Stage Revision Is The Way To Go**
Thorsten Gehrke, MD, PhD
- 2:57 **Pro: 2 Stage Revision Let's Me Sleep At Night: Watch My Results**
Karl Koenig, MD, MS
- 3:03 **Evolving Technique Update: Gene Sequencing, Modern Diagnostics, Infection & What The Future Holds: Is There A Current Standard Of Care?**
Alberto Carli, MD
- 3:08 **Feature Lecture: The REBAR Technique: Total Hip Infection With Acetabular Bone Defect Using Reinforcement For Bone Loss With Acetabular Reconstruction**
Benjamin M. Stronach, MD

Zimmer
Spotlight Extravaganza
 6:00PM – 7:00PM
 Grand Ballroom 3,6
Light Hors D'oeuvres & Libations

- 3:15 **Clinical Case Presentations With Questions & Answers: Infection: Pick The Answer - Save The Implant, Single Stage, Two Stage, Or Refer [Case 1: Acute Post-Op Infection With Cementless Implants, DAIR Vs. 1-Stage; Case 2: Sub-Acute Vs. Chronic Infection In The Young & Healthy Vs. The Old & Frail - Who Gets 1-Stage & Who Gets 2-Stage?; Case 3: Infection With Bone Loss And/OR Extensive Hardware - How Much To Remove?]**
*Case Panel Moderators: Alberto Carli, MD
 Thorsten Gehrke, MD, PhD*
- Case Panel: Friedrich Boettner, MD
 Darwin D. Chen, MD
 Jimmy Chow, MD
 Michael B. Cross, MD
 Andrew A. Freiberg, MD
 Alejandro Gonzalez Della Valle, MD
 Matthew S. Hepinstall, MD
 Joseph T. Moskal, MD, FACS
 Benjamin M. Stronach, MD**

- 3:35 **Combined Trauma Sessions: Explanations For After The Break, Listen Up On Where To Go**
Matthew S. Hepinstall, MD

3:36 BREAK & VISIT THE EXHIBITS

4:15 COMPLICATIONS PART I: UNDERSTANDING, TREATING & HOPEFULLY AVOIDING THE DREADED PERIPROSTHETIC FRACTURE - A COMBINED TRAUMA & ARTHROPLASTY SERVICE DISCUSSION - WHAT ABOUT INTRA-OP FRACTURE MANAGEMENT
Section Moderator: David J. Mayman, MD

- 4:15 **Debate: 88-Year-Old Grandma Walking Her Ferret, Slips On Ice, Has Pain In The Thigh & Can't Get Up 2 Years After Her Total Hip Replacement**
Debate Moderator: Robert D. Zura, MD
- 4:15 **Pro: It's Ok To Plate A 'Not Too Loose' Prosthesis With A Periprosthetic Fracture**
Gil R. Ortega, MD, MPH, FAOA
- 4:21 **Pro: The Vancouver B-Type Periprosthetic Femur Fracture: Classifying & Understanding When To Revise The Prosthesis & Stabilize The Fracture Pattern - You Need To Do Both**
Jeffrey B. Stambough, MD

- 4:27 **Evolving Technique: The Trochanteric Fracture & Hip Abductor Deficiency: A Vancouver AG: Is There Ever A Reason To Fix The Troch**
Ran Schwarzkopf, MD, MSc

- 4:33 **Feature Lecture: Don't Forget The Vancouver C: How I Get Good Proximal Fixation - I Need To Share With My Trauma Colleagues How An Arthroplasty Surgeon Approaches These Difficult Problems, Go Long & Avoid Cables**
Elizabeth B. Gausden, MD, MPH

4:40 MANY WORSE UNFORTUNATE COMPLICATIONS PART II: HOW TO RESOLVE, CAREFUL THOUGHT & MANAGING EXPECTATIONS
Section Moderator: Michael P. Ast, MD

**HIP ARTHROPLASTY •
BELLAGIO BALLROOM 2, 4, 6, 7**

| | |
|------|---|
| 4:40 | Evolving Technique Update: Drapes Off, Leg Long, Now What? <i>Darwin D. Chen, MD</i> |
| 4:45 | Evolving Technique Update: The Dislocation Within 4 Weeks: We Have Heard A Lot About Dual Mobility Is That The Only Answer? <i>H. John Cooper, MD</i> |
| 4:50 | Evolving Technique Update: Mortality: How To Avoid & How To Face The Family - Learning Empathy <i>Michael B. Cross, MD</i> |
| 4:55 | Evolving Technique Update: Vascular Injury, Periprosthetic Fractures & The ASC: How To Prepare, What You Need In Your Surgery Center To Make It Possible <i>Michael P. Ast, MD</i> |
| 5:00 | Evolving Technique Update: Is Any Subsidence Benign? Early Thigh Pain After Cementless THA - What I Do <i>David J. Mayman, MD</i> |
| 5:05 | Evolving Technique Update: Lack Of Intra-Op Stability, What Did I Do Wrong? How Do I Solve The Problem? <i>Friedrich Boettner, MD</i> |
| 5:10 | Evolving Technique Update: Removal Of The Well Fixed Recalled And/Or Infected Femoral Stem <i>Michael B. Cross, MD</i> |
| 5:15 | Evolving Technique Update: Blood Management & VTE Prophylaxis: Years Of Experience & The Role Of TXA & Aspirin <i>Stefan W. Kreuzer, MD, MSc</i> |
| 5:20 | Evolving Technique Update: Nutrition & Hydration: The Newest Thoughts - NPO After Midnight? I Don't Think So! <i>Matthew S. Hepinstall, MD</i> |
| 5:25 | Evolving Technique Update: Dressings & Wound Closure: The Newest Thoughts <i>H. John Cooper, MD</i> |
| 5:30 | Clinical Case Presentations With Questions & Answers: Complications: The Periprosthetic Fracture, Leg Length Discrepancy, Intraop Instability, Subsidence, Multiple Dislocations, Vascular Injury, Metallosis, Trunnionosis <i>Case Panel Moderators: Amar S. Ranawat, MD Joseph T. Moskal, MD, FACS</i> <i>Case Panel: Darwin D. Chen, MD Jimmy Chow, MD Michael B. Cross, MD Alejandro Gonzalez Della Valle, MD Andrew A. Freiberg, MD Matthew S. Hepinstall, MD Stefan W. Kreuzer, MD, MSc David J. Mayman, MD Neil P. Sheth, MD Jeffrey B. Stambough, MD</i> |
| 6:00 | End Of Hip Arthroplasty Program Zimmer Extravaganza – Come Join Us! |

HAND, WRIST, ELBOW • MONET 1, 2

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| <p><i>Hand, Wrist & Elbow Co-Chairs George A. Paletta, Jr., MD, MBA Mark S. Rekan, MD David S. Ruch, MD Noah D. Weiss, MD Jeffrey Yao, MD</i></p> <p><i>Honored Professor A. Lee Osterman, MD</i></p> <p><i>Distinguished Professors Peter J. Stern, MD Jesse B. Jupiter, MD Bernard F. Morrey, MD Jorge L. Orbay, MD Melvin P. Rosenwasser, MD</i></p> | |
| 12:00 | EXHIBIT HALL OPENS, LUNCH SERVED |
| 12:55 | WELCOME & INTRODUCTION <i>Joseph A. Abboud, MD Brian D. Busconi, MD Ronald A. Navarro, MD Stephanie C. Petterson, MPT, PhD Allston J. Stubbs, MD, MBA</i> |
| 1:00 | WELCOME & INTRODUCTION <i>George A. Paletta, Jr., MD, MBA Mark S. Rekan, MD David S. Ruch, MD Noah D. Weiss, MD Jeffrey Yao, MD</i> |
| 1:05 | THE HONORED & DISTINGUISHED PROFESSORS SPEAK OUT! NEW & REAFFIRMED CONCEPTS IN THE DISTAL RADIUS FRACTURE TO KEEP YOU OUT OF TROUBLE <i>Section Moderator: Jeffrey Yao, MD</i> |
| 1:05 | Distinguished Professor Lecture: Distal Radius Fractures: How I Have Evolved Over The Years & I Know The Answers <i>Melvin P. Rosenwasser, MD</i> |
| 1:15 | Distinguished Professor Lecture: Avoiding The Complications Of The Distal Radius Fracture: How To Identify The Problem Distal Radius Fractures <i>Jorge L. Orbay, MD</i> |
| 1:25 | Distinguished Professor Lecture: Segmental & Dorsal Fixation Still Has A Role In The Distal Radius Fracture: Let Me Tell You When I Use It <i>Jesse B. Jupiter, MD</i> |

HAND, WRIST, ELBOW • MONET 1, 2

1:35 ARTHRITIS OF THE THUMB, WRIST & HAND: WHY SO MANY DIFFERENT OPINIONS - I NEED ANSWERS

Section Moderator: Mark S. Rekant, MD

- 1:35 Panel: 49-Year-Old Welder With Stage 2 SLAC, Former Olympic Ping Pong Champ
Panel Moderator: Steven J. Lee, MD
- 1:35 Pro: Partial Wrist Fusion: Watch Me! - 6 Minutes, 6 Tips, Ignore My Colleagues
Raymond Glenn Gaston, MD
- 1:41 Pro: Proximal Row Carpectomy: PRC Baby - It's The Way For The Best Outcome
Steven S. Shin, MD, MSc
- 1:47 Pro: Capitate Resurfacing Is The Better Procedure: Wake Up My Colleagues
William B. Geissler, MD
- 1:53 Pro: Slow Down Open Surgeons: The Arthroscopic Proximal Row Carpectomy Is The Answer - My Tips & Tricks
Noah D. Weiss, MD
- 1:59 Pro: You Are All Wrong! Denervation German Style Will Have Him Back Crushing His Opponents On The Table Tennis Circuit
Marc J. Richard, MD
- 2:05 Honored Professor Commentary: What I Have Learned Through The Years For A Stage II SLAC Wrist
A. Lee Osterman, MD
- 2:09 Panel: 35-Year-Old Hedge Fund Trader Who Misses His Blackberry With Posttraumatic Paddle Tennis Injury & X-Rays With Eaton Stage 3 CMC Arthrosis
Panel Moderator: Noah D. Weiss, MD
- 2:09 Pro: Fusion Is The Answer: Watch The Razzle Dazzle In 6 Minutes
A. Lee Osterman, MD
- 2:15 Pro: My Favorite Trapeziectomy Procedure Will Suffice
Marc J. Richard, MD
- 2:21 Pro: The Atlas Procedure: A New & Anatomic Ligament Reconstruction
Noah D. Weiss, MD
- 2:27 Pro: The Mini-Tightrope Can Save The Day & Solve The Problem
Jeffrey Yao, MD
- 2:33 Pro: Implant Arthroplasty Is The Way To Go: I Have Perfected It, Don't Listen To My Colleagues They Are All Old School
Marco Rizzo, MD

2:39 THE SCAPHOID NONUNION: THE BONE THAT NEVER GOES AWAY

Section Moderator: Jeffrey Yao, MD

- 2:39 Panel: 20-Year-Old D1 Quarterback Now Out Of Season Clowning Around In The Frat House Admits He Has A 1-Year-Old Proximal Pole Scaphoid Nonunion With No DISI, No SLAC But An MRI That Shows AVN
Panel Moderator: Mark S. Rekant, MD
- 2:39 Pro: Vascularized Bone Grafting Is Essential To Restore The Wrist & Have Him Win The Next College Bowl Game
Steven J. Lee, MD
- 2:45 Pro: Vascularized Bone Grafting Is Absolutely Not Essential: Watch Me Fix This Fracture
Brian D. Adams, MD
- 2:51 Pro: Salvage The Wrist & Move On! Stop This Ridiculous Conversation
Peter J. Stern, MD
- 2:57 23-Year-Old Skateboarder Falls On An Outstretched Arm With A Scapholunate Full-Thickness Tear: All Those Procedures To Repair Don't Work, I Have The Answer: 'RASI' Dazzle: I Am Not Dead Yet, Look At My 20-Year Results
Melvin P. Rosenwasser, MD
- 3:05 Clinical Case Presentations With Questions & Answers: The Distal Radius, The Arthritic Wrist & Scaphoid Nonunions
Case Panel Moderators: Mark S. Rekant, MD
Jeffrey Yao, MD
Case Panel: Thomas B. Hughes Jr., MD
Steven J. Lee, MD
Jorge L. Orbay, MD
A. Lee Osterman, MD
Marc J. Richard, MD
Marco Rizzo, MD
Melvin P. Rosenwasser, MD
Steven S. Shin, MD
Peter J. Stern, MD
- 3:35 **BREAK & VISIT THE EXHIBITS**
- 4:15 **THE ATHLETIC WRIST INJURY: THE EXPERTS SPEAK OUT**
- Section Moderator: Jeffrey Yao, MD
- 4:15 Feature Panel: Understanding The Subtleties Of Hand Surgery & Treatment Of The Athlete
Panel Moderator: William B. Geissler, MD
- 4:15 Pro: Common & Not-So Common Athletic Wrist Injuries: My Treatment Algorithm
Jeffrey Yao, MD
- 4:20 Pro: Managing Expectations: From High School To The Elite Athlete: What Trainers, Physical Therapists, Coaches & Families Should Expect & What Is Unreasonable
Melvin P. Rosenwasser, MD
- 4:28 Pro: The Complexities Of Taking Care Of Professional Athletes: How I Navigate Their Wrist Injuries & The Waters
Raymond Glenn Gaston, MD

HAND, WRIST, ELBOW • MONET 1, 2

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| 4:36 | Evolving Technique Video Update: The On The Field & Off The Field Physical Exam To Detect Wrist Injuries: Let Me Show You My Tips & Tricks <i>Brian D. Adams, MD</i> |
| 4:41 | Honored Professor Lecture: My Experience From Years Of Treating Athletes: How Wrist Arthroscopy & The Right Procedure Gets The Athlete Of All Ages Back In The Game <i>A. Lee Osterman, MD</i> |
| 4:53 | Clinical Case Presentations With Questions & Answers: Athletic Wrist Injuries Questions & Answers <i>Case Panel Moderators: Julie E. Adams, MD David S. Ruch, MD</i> <i>Case Panel: Brian D. Adams, MD Raymond Glenn Gaston, MD William B. Geissler, MD Thomas B. Hughes Jr., MD A. Lee Osterman, MD Marc J. Richard, MD Steven S. Shin, MD, MSc Peter J. Stern, MD Jeffrey Yao, MD</i> |
| 5:13 | CARPAL TUNNEL SURGERY: WHAT I STILL DO & COMPLICATIONS THAT I NEVER EXPECTED - HOW I TREAT THEM <i>Section Moderator: Mark S. Rekant, MD</i> |
| 5:13 | Debate: 71-Year-Old Orthopaedic Surgeon Still In Practice With CTS, Thenar Wasting & Nocturnal Waking <i>Debate Moderator: Peter J. Stern, MD</i> |
| 5:13 | Pro: I Still Do Endoscopic Release: He Will Be Back Operating Fast <i>Noah D. Weiss, MD</i> |
| 5:18 | Pro: Say What?!? Open Release Is Safer, Just As Effective, Please Read The Literature, Save Your Hospital Money <i>Brian D. Adams, MD</i> |
| 5:23 | Panel: 53-Year-Old Dentist With Increased Pain & Numbness 1 Week Status Post Carpal Tunnel Release <i>Panel Moderator: Steven J. Lee, MD</i> |
| 5:23 | Pro: Watch & Wait: The Patient Needs To Be Patient <i>Peter J. Stern, MD</i> |
| 5:28 | Pro: Seriously?!? Urgent Re-Exploration With Direct Nerve Repair <i>Julie E. Adams, MD</i> |
| 5:33 | Pro: I Agree! Urgent Re-Exploration With Nerve Reconstruction With The Sural Nerve <i>Jesse B. Jupiter, MD</i> |
| 5:38 | Pro: I Agree But I Have An Easier Answer: Urgent Re-Exploration With Nerve Reconstruction With An Allograft Nerve <i>Jeffrey Yao, MD</i> |

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| 5:43 | Clinical Case Presentations With Questions & Answers: Carpal Tunnel, Not So Simple, Complications Of Carpal & Cubital Tunnel, The Role Of Allograft Versus Sural Nerve <i>Case Panel Moderators: David S. Ruch, MD Jeffrey Yao, MD</i> <i>Case Panel: Brian D. Adams, MD Julie E. Adams, MD Marco Rizzo, MD Steven J. Lee, MD Jorge L. Orbay, MD A. Lee Osterman, MD Melvin P. Rosenwasser, MD Peter J. Stern, MD Noah D. Weiss, MD</i> |
| 5:58 | Wrap Up & Summary: What I Have Learned Day 1 <i>A. Lee Osterman, MD Mark S. Rekant, MD Jeffrey Yao, MD</i> |
| 6:00 | End Of Hand & Wrist Program |

Zimmer
Spotlight Extravaganza
6:00PM – 7:00PM
Grand Ballroom 3,6
Light Hors D'oeuvres & Libations

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TRAUMA • MONET 3, 4

Educational Content Endorsed By



Trauma Co-Chairs
 James A. Goulet, MD
 Frank A. Liporace, MD
 Michael D. McKee, MD, FRCS(C)

Honored Professor
 Bernard F. Morrey, MD

Distinguished Professors
 Jesse B. Jupiter, MD
 Mark S. Vrahas, MD, MHCDS
 William M. Ricci, MD

7:00 **Advanced Fracture Trauma Symposium & Cadaver Lab**
 Chair, James P. Stannard, MD

12:00 **LUNCH SERVED & VISIT THE EXHIBIT HALL**

1:00 **WELCOME & INTRODUCTION**
 Joseph A. Abboud, MD
 Brian D. Busconi, MD
 Ronald A. Navarro, MD
 Stephanie C. Petterson, MPT, PhD
 Allston J. Stubbs, MD, MBA

1:05 **WELCOME & INTRODUCTION**
 James A. Goulet, MD
 Frank A. Liporace, MD
 Michael D. McKee, MD, FRCS(C)

1:10 **THE TIBIAL PLATEAU FRACTURE: RECOGNIZING THE PATTERN DETERMINES THE TREATMENT - FINDING THE REAL ANSWERS**
 Section Moderator: Michael Suk, MD, JD, MPH, MBA, FACS

1:10 **Evolving Technique: Moving Beyond The Schatzker Classification: Overlooking The Posterior Plateau Is At Your Own Risk - Let Me Show You How To Think To Succeed**
 J. Tracy Watson, MD

1:17 **Evolving Technique: Medial Plates: When I Use It & How I Do It, When To Add One**
 Robert D. Zura, MD

1:24 **Evolving Technique: When I Go Prone: It May Seem Harder But It Gets The Results - Understanding Why**
 Stephen A. Kottmeier, MD

1:31 **Evolving Technique: Single Plates With Bone Fillers Are The Answers: Select Your Case Carefully - A Simple Technique To Fix Most Tibial Plateau Fractures**
 James A. Goulet, MD

1:38 **Evolving Technique: The Arthroscopic Treatment For Tibial Plateau Fractures: Don't Forget The Associated Ligament Injuries - Follow My Guidance**
 William I. Sterett, MD

1:45 **Evolving Technique: What I Have Learned In The Management Of Tibial Plateau Fractures: Let Me Share My Secrets - 7 Tips In 7 Minutes**
 William M. Ricci, MD

1:52 **THE DISTAL TIBIA**
 Section Moderator: James P. Stannard, MD

1:52 **Debate: 39-Year-Old Recreational Cyclist With An Extra-Articular Distal Tibia Fracture After Crashing Into A Tree While Texting On A Pinarello Bike**
 Debate Moderator: William I. Sterett, MD
 1:52 **Pro: Plate The Distal Tibial Extra-Articular Fracture: Get It Right!**
 Niloofar Dehghan, MD, MSc, FRCS
 1:57 **Pro: Always Try To Nail The Distal Tibial Extra-Articular Fracture: Let Me Show You How - Tiger Had It Done That Way**
 Frank A. Liporace, MD

2:02 **Evolving Technique Update: Distal Tibial Fractures With Osteoporosis & Neuropathy: A Different Playbook**
 Stephen A. Kottmeier MD

2:07 **Debate: 53-Year-Old Owner Of 3 Dirt Bikes & A Harley On The First Muddy Day Of Spring, Jumps 20 Feet Over A Dirt Mound In A Race & Sustains An Open Pilon Fracture: My Approach Is The Right Answer**
 Debate Moderator: Frank A. Liporace, MD
 2:07 **Pro: The Anterior Approach Alone Is The Right Way To Go: Watch Me**
 Andrea Veljkovic, MD, MPH, BComm, FAOA, FRCS
 2:13 **Pro: The Medial Approach Is The Only Way To Go: Watch Me Razzle Dazzle**
 David E. Asprinio, MD

2:19 **Distinguished Professor Lecture: High Energy Pilon Fractures: My Thoughts About Fixation & Salvage - The Role Of The Fibula, Free Flaps & More**
 Jesse B. Jupiter, MD

2:31 **Evolving Technique: The Distal Tibia Fractures & Soft Tissue Answers: When I Flap & How To Avoid Crossing Up Your Plastic Surgeon**
 Theodore A. Kung, MD

2:38 **Distinguished Professor Lecture: Complications Of The Tibial Plateau, Distal Tibia & Pilon Type Fracture: What I Have Learned & Need To Share With You**
 Mark S. Vrahas, MD, MHCDS

2:50 **Clinical Case Presentations Questions & Answers: Tibial Plateau Fractures With Or Without Ligament Injuries, The Distal Tibia & Pilon Fractures: Quick Answers To Help All Of Us**
 Case Panel Moderators: James A. Goulet, MD
 J. Tracy Watson, MD
 Case Panel: David E. Asprinio, MD
 Stephen A. Kottmeier, MD
 Theodore A. Kung, MD
 William M. Ricci, MD
 James P. Stannard, MD
 William I. Sterett, MD
 Michael Suk, MD, JD, MPH, MBA, FACS
 Holly Tyler-Paris Pilson, MD
 Mark S. Vrahas, MD, MHCDS

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| 3:20 | THE NEW FRONTIER IN FRACTURE FIXATION: A POTPOURRI <i>Section Moderator: David E. Asprinio, MD</i> |
| 3:20 | Evolving Technique Update: The Pipkin Femoral Head Fracture: New Advances, New Thoughts, What We Have Learned - 5 Tips & Tricks In 5 Minutes <i>Emil H. Schemitsch, MD</i> |
| 3:25 | Evolving Technique Update: The Periprosthetic Tibial Fracture: New Advances, New Thoughts, What I Have Learned - 5 Tips & Tricks In 5 Minutes <i>Robert D. Zura, MD</i> |
| 3:30 | Evolving Technique Update: The Femoral Neck Fracture In The Amenorrhic Female Marathoner: Don't Wait, Don't Watch, Let Me Show You An Easy Fix - Is It 1, Is It 2, Is It 3 Screws? Is It With Washers? <i>Emil H. Schemitsch, MD</i> |
| 3:35 | COMBINED TRAUMA SESSSIONS: EXPLANATIONS WHERE TO GO AFTER THE BREAK <i>Michael D. McKee, MD, FRCS(C)</i> |
| 3:36 | BREAK & VISIT THE EXHIBITS |
| 4:15 | JOIN HIP ARTHROPLASTY FOR A COMBINED TRAUMA SESSION ON THE PERIPROSTHETIC HIP FRACTURE. MOVE TO GENERAL SESSION ROOM |
| 4:15 | COMPLICATIONS PART I: UNDERSTANDING, TREATING & HOPEFULLY AVOIDING THE DREADED PERIPROSTHETIC FRACTURE - A COMBINED TRAUMA & ARTHROPLASTY SERVICE DISCUSSION - WHAT ABOUT INTRA-OP FRACTURE MANAGEMENT <i>Section Moderator: David J. Mayman, MD</i> |
| 4:15 | Debate: 88-Year-Old Grandma Walking Her Ferret, Slips On Ice, Has Pain In The Thigh & Can't Get Up 2 Years After Her Total Hip Replacement <i>Debate Moderator: Robert D. Zura, MD</i> |
| 4:15 | Pro: It's Ok To Plate A 'Not Too Loose' Prosthesis With A Periprosthetic Fracture <i>Gil R. Ortega, MD, MPH, FAOA</i> |
| 4:21 | Pro: The Vancouver B-Type Periprosthetic Femur Fracture: Classifying & Understanding When To Revise The Prosthesis & Stabilize The Fracture Pattern - You Need To Do Both <i>Theodore T. Manson, MD</i> |
| 4:27 | Evolving Technique: The Trochanteric Fracture & Hip Abductor Deficiency: A Vancouver AG: Is There Ever A Reason To Fix The Troch <i>Ran Schwarzkopf, MD, MSc</i> |
| 4:33 | Feature Lecture: Don't Forget The Vancouver C: How I Get Good Proximal Fixation - I Need To Share With My Trauma Colleagues How An Arthroplasty Surgeon Approaches These Difficult Problems, Go Long & Avoid Cables <i>Elizabeth B. Gausden, MD, MPH</i> |

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| 4:40 | RETURN TO COMBINED TRAUMA WITH FOOT & ANKLE SESSION COLLEAGUES |
| MOVE AGAIN TO FOOT & ANKLE ROOM • GRAND BALLROOM 7, 9 | |
| 4:42 | THE ANKLE FRACTURE & SYNDESMOTIC LIGAMENTS <i>Section Moderators: James A. Goulet, MD Bruce J. Sangeorzan, MD</i> |
| 4:42 | Evolving Technique Update: Syndesmotic Injuries: Mild To Severe - You Need To Tailor The Treatment To The Injury - You Need To Recognize Them & Learn How To Treat Them - It's The High Ankle Sprain, LeBron Knows All About It <i>Mark S. Vrahas, MD, MHCDS</i> |
| 4:47 | Evolving Technique Update: I Never Got An X-Ray & I Missed It: The Late Syndesmotic Widening - What I Do Now <i>MaCalus V. Hogan, MD, MBA</i> |
| 4:52 | Debate: 64-Year-Old Female With A HgA1C = 8 & A Trimalleolar Ankle Fracture <i>Debate Moderator: Sheldon S. Lin, MD</i> |
| 4:52 | Pro: The Tibial Calcaneal Nail Is Reliable To Address A Potential Charcot Complication: Listen Up! <i>MaCalus V. Hogan, MD, MBA</i> |
| 4:57 | Pro: Slow Down Young Lady! MIS ORIF: Why Would You Destroy A Normal Subtalar Joint? <i>Alastair S. Younger, MB, ChB, MSc, ChM, FRCS(C)</i> |
| 5:02 | THE TALUS FRACTURE <i>Section Moderator: Mark A. Glazebrook, MSc, PhD, MD, FRCS(C)</i> |
| 5:02 | Debate: 19-Year-Old Gangster Caught In The Crossfire Running Away From His Colleagues Trips In A Pothole Sustains A Closed Talus Fracture <i>Debate Moderator: Mark S. Vrahas, MD, MHCDS</i> |
| 5:02 | Pro: The Open Approach Guarantees The Result Without Sacrificing Blood Flow: Let Me Show You How <i>James A. Goulet, MD</i> |
| 5:07 | Pro: No Way Trauma Surgeon, It Is The MIS Approach That Saves The Day: Listen Up My Colleagues <i>Alastair S. Younger, MB, ChB, MSc, ChM, FRCS(C)</i> |
| 5:12 | Evolving Technique Update: The Dreaded Talus Fracture: When You Need To Do It At 2:00 AM & Not Wait - What I Have Learned To Gain Success For This Difficult Bone, Don't Ignore My Advice <i>Robert D. Zura, MD</i> |

TRAUMA • MONET 3, 4

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| 5:17 | THE CALCANEUS FRACTURE: WHEN TO FIX THEM, LET ME SHOW YOU THE RULES Section Moderator: Nirmal C. Tejwani, MD |
| 5:17 | Debate: 41-Year-Old Construction Worker Falls 6 Stories Landing On His Heel & Survives His T12 Burst Fracture Now Needs Pain Relief For His Calcaneus Fracture Debate Moderator: Nirmal C. Tejwani, MD |
| 5:17 | Pro: The Open Approach: See It & Do It Right! Bruce J. Sangeorzan, MD |
| 5:22 | Pro: The MIS Approach: Avoid The Wound Complications, The Free Flap, The Nightmares Andrea Veljkovic, MD, MPH, BComm, FAOA, FRCS(C) |
| 5:27 | Evolving Technique Update: The Calcaneus Fracture: Why I Fix Them, They All Get Subtalar Fusions Anyway Nirmal C. Tejwani, MD |
| 5:32 | THE LISFRANC UPDATE Section Moderator: MaCalus V. Hogan, MD, MBA |
| 5:32 | Mini-Debate: 68-Year-Old Grandma Competing With Her Grandson Attempts A CrossFit Box Jump & Lands Awkwardly, Sustaining A Lisfranc Fracture Dislocation Debate Moderator: Judith F. Baumhauer, MD, MPH |
| 5:32 | Pro: Fix It, The Hardware Stays: Don't Be Afraid, It Doesn't Matter! J. Tracy Watson, MD |
| 5:37 | Pro: Wrong! Someday Removal Of Hardware Or Admit You Are You A Closet Fuser! Selene G. Parekh, MD, FAOA, MBA |
| 5:42 | Clinical Case Presentations With Audience Response Questions & Answers: My Way But Not Your Way: The Lisfranc, Calcaneus, & Talus Fractures & Complex Ankle Fractures With Syndesmotic Ligaments - Who Are The Last Ones Standing Case Panel Moderators: Bruce J. Sangeorzan, MD Robert D. Zura, MD Case Panel: Judith F. Baumhauer, MD, MPH MaCalus V. Hogan, MD, MBA Selene G. Parekh, MD, FAOA, MBA William M. Ricci, MD Michael Suk, MD, JD, MPH, MBA, FACS Nirmal C. Tejwani, MD Mark S. Vrahas, MD, MHCDS J. Tracy Watson, MD Alastair S. Younger, MB, ChB, MSc, ChM, FRCS(C) |
| 6:00 | Detente & Moving Together In The Future Mark A. Glazebrook, MSc, PhD, MD, FRCS(C) James A. Goulet, MD Frank A. Liporace, MD Michael D. McKee, MD, FRCS(C) James W. Stone, MD |
| 6:02 | End of Trauma Day 1 Join Zimmer Extravaganza |

ADVANCED PRACTICE PROVIDER • VAN GOUGH 1, 2

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| | Advanced Practice Provider Chair Karen Yancopoulos, MSN, FNP-C |
| | Vice Chair Kevin Shinsako, PA-C |
| | Distinguished Professors Kim Curry, PhD, FNP, FAANP Sophia L. Thomas, DNP, APRN, FNP-BC, PPCNP-BC, FNAP, FAANP |
| 11:00 | LIVE SURGERY NAVIGATED TOTAL HIP ARTHROPLASTY Surgeon: Peter K. Sculco, MD Moderators: Stefan Kreuzer, MD Ran Schwarzkopf, MD, MSc Supported By An Educational Grant By Intellijoint Surgical |
| 12:00 | EXHIBIT HALL OPENS, LUNCH SERVED |
| 1:00 | WELCOME & INTRODUCTION Joseph A. Abboud, MD Brian D. Busconi, MD Stephanie C. Petterson, MPT, PhD Ronald A. Navarro, MD Allston J. Stubbs, MD, MBA |
| 1:05 | WELCOME & INTRODUCTION Karen Yancopoulos, MSN, FNP-C Kevin Shinsako, PA-C |
| 1:10 | Don't Be Afraid: Work To The Scope Of Your Practice Sophia L. Thomas, DNP, APRN, FNP-BC, PPCNP-BC, FNAP, FAANP |
| 1:25 | EMPOWERING THE ADVANCED PRACTICE PROVIDER Section Moderator: Karen Yancopoulos, MSN, FNP-C |
| 1:25 | How My APP Makes My Life Better: Not Invisible Ronald A. Navarro, MD |
| 1:35 | Advanced Skills For The APP: Injections Kevin Shinsako, PA-C |
| 1:43 | UNDERSTANDING THE HIP FROM A TO Z Section Moderator: Kim Curry, PhD, FNP, FAANP |
| 1:43 | Ultrasound For The Hip: Why Aren't You Doing It? Jamie Bie, RMSKS, RVT, RDMS |
| 1:58 | Getting The Diagnosis Right: Hip Or Hernia? - The Physical Exam Tells You The Answer Brian D. Busconi, MD |
| 2:10 | Learning How To Read The Hip MRI: A Primer For Success Hollis G. Potter, MD |
| 2:30 | Feature Lecture: Personal Reflections Of The American Association Of Nurse Practitioners & Our Journal Kim Curry, PhD, FNP, FAANP |
| 2:40 | Pro Tips For Ensuring Reimbursement For The Painful Hip: Work Smarter, Not Harder! T. Sean Lynch, MD |

**ADVANCED PRACTICE PROVIDER •
VAN GOUGH 1, 2**

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| 2:55 | <p>Clinical Case Presentations With Questions & Answers: Hip Flexor, Labral Tear, OA: Making The Correct Diagnosis <i>Case Panel Moderator: Karen Yancopoulos, MSN, FNP-C</i> <i>Case Panel: Elizabeth Bardowski, MSN, APN, ACNP-BC</i> <i>Jamie Bie, RMSKS, RVT, RDMS</i> <i>Brian D. Busconi, MD</i> <i>T. Sean Lynch, MD</i> <i>Brian Navarro, DNP, NP-C</i> <i>Ronald A. Navarro, MD</i> <i>Kevin Shinsako, PA-C</i> <i>Allston J. Stubbs, MD, MBA</i></p> |
| 3:35 | BREAK & VISIT THE EXHIBITS |
| 4:15 | <p>FAI: When To Throw In The Towel & Refer To A Surgeon - 5 Keys In Decision Making <i>Allston J. Stubbs, MD, MBA</i></p> |
| 4:25 | <p>Rehab Of The Hip: My Secrets Divulged & Return To Play <i>Elizabeth Wellsandt, PT, DPT, PhD, OCS</i></p> |
| 4:40 | <p>Live Ultrasound Demonstration: Hip <i>Jamie Bie, RMSKS, RVT, RDMS</i></p> |
| 5:10 | <p>THE APP LEADING THE WAY IN HEALTHCARE DELIVERY & EDUCATION <i>Section Moderator: Karen Yancopoulos, MSN, FNP-C</i></p> |
| 5:10 | <p>Competency-Based Education Platforms: Is This The New Way To Learn? <i>Elizabeth Bardowski, MSN, APN, ACNP-BC</i></p> |
| 5:25 | <p>Narcotics & The Pain Epidemic: A Balancing Act <i>Brian Navarro, DNP, NP-C</i></p> |
| 5:40 | <p>Panel Discussion With Questions & Answers: Competency Based Education, The Role Of NPs, The Narcotic Epidemic, Burnout & Fatigue Mitigation <i>Panel Moderator: Karen Yancopoulos, MSN, FNP-C</i> <i>Panel: Elizabeth Bardowski, MSN, APN, ACNP-BC</i> <i>Jamie Bie, RMSKS, RVT, RDMS</i> <i>Kim Curry, PhD, FNP, FAANP</i> <i>Brian Navarro, DNP, NP-C</i> <i>Kevin Shinsako, PA-C</i> <i>Sophia L. Thomas, DNP, APRN, FNP-BC, PPCNP-BC, FNAP, FAANP</i></p> |
| 6:00 | <p>End of Advanced Practice Provider Session Join Zimmer Extravaganza</p> |

FIRST ANNUAL OSET SPINE FELLOWS & ALUMNI SYMPOSIUM • RENOIR 1, 2

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| <p><i>First Annual OSET Spine Fellows & Alumni Symposium Co-Chairs</i> <i>Marc J. Levine, MD</i> <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i> <i>Vinko Zlomislac, MD</i></p> <p><i>Special Guests</i> <i>Jens R. Chapman, MD</i> <i>Steven R. Garfin, MD</i> <i>Rex A.W. Marco, MD</i></p> <p><i>Host Alumni Faculty & Program</i> <i>Jens R. Chapman, MD, Swedish Spine Fellowship</i></p> | |
| 1:00 | <p>WELCOME & INTRODUCTION <i>Marc J. Levine, MD</i> <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i> <i>Vinko Zlomislac, MD</i></p> |
| 1:05 | <p>HOW I MANAGE PROXIMAL JUNCTIONAL FAILURE: YOU'RE DAMNED IF YOU DO & DAMNED IF YOU DON'T <i>Section Moderator: Rex A.W. Marco, MD</i></p> |
| 1:05 | <p>Case Introduction Of Adult Degenerative Scoliosis & Proximal Junctional Failure <i>Rex A.W. Marco, MD</i></p> |
| 1:10 | <p>What I Do To Prevent Proximal Junctional Failure: Tethering Is Not The Way To Go <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i></p> |
| 1:15 | <p>What I Do To Prevent Proximal Junctional Failure: Cement Is The Way To Go <i>Vinko Zlomislac, MD</i></p> |
| 1:20 | <p>What I Do To Prevent Proximal Junctional Failure: Go Long & Don't Stop Short <i>David W. Polly, Jr., MD</i></p> |
| 1:25 | <p>What I Do To Prevent Proximal Junctional Failure: My Experience <i>Jens R. Chapman, MD</i></p> |
| 1:30 | <p>Clinical Case Presentations With Questions & Answers <i>Case Panel Moderator: Rex A.W. Marco, MD</i> <i>Case Panel: Jens R. Chapman, MD</i> <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i> <i>David W. Polly, Jr., MD</i> <i>Vinko Zlomislac, MD</i></p> |
| 1:45 | <p>Swedish Spine Fellowship Experience With Spine Trauma: How We Do It & Why <i>Moderator: Jens R. Chapman, MD</i></p> <p>1:45 Case 1: Cervical Spine: Let Me Walk Again Doc! <i>Yevgeniy Freyvert, MD</i></p> <p>1:55 Case 2: Lumbar: MIS Is Better Or Not <i>Jared Cooke, MD</i></p> |
| 2:05 | <p>Honorary Symposium Lecture: Developments In Spinal Cord Injuries <i>Jens R. Chapman, MD</i></p> |

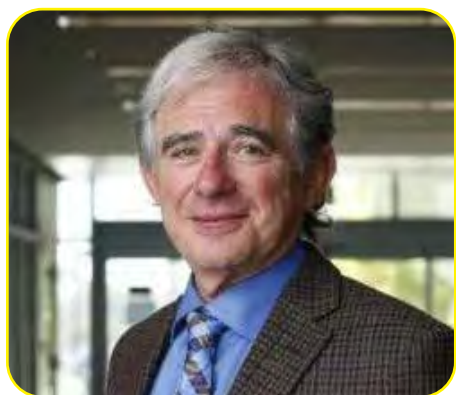
**Don't Miss Our
The 7th Annual Fellow, Resident
& Medical Student Summit
Saturday, December 11
Sunday, December 12
Gaughin 1,2**

FIRST ANNUAL OSET SPINE FELLOWS & ALUMNI SYMPOSIUM • RENOIR 1, 2

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| 2:25 | Feature Lecture: The Role Of Robotics & AI For Minimally Invasive Deformity Procedures <i>Michael Y. Wang, MD, FACS</i> |
| 2:35 | University Of Miami Spine Neurosurgery Fellowship Experience <i>Moderator: Michael Y. Wang, MD, FACS</i> |
| 2:35 | Case 1: Thoracolumbar: It's All About The Deformity <i>James Boddu, MD</i> |
| 2:45 | Case 2: What Went Wrong? Complications You Want To Know About Hard Lessons Learned <i>Joel R. Martin, MD</i> |
| 2:55 | Texas Back Institute/University of San Deigo Fellowship Experience <i>Panel Moderators: Isador H. Lieberman, MD, MBA, FRSC(C)</i> <i>Vinko Zlomislic, MD</i> |
| 2:55 | Case 1: Lumbar Disc Replacements-Still? Fusion, Hybrid, Disc Replacement, Who Decides? <i>Mark Prevost, MD</i> |
| 3:05 | Case 2: Lumbar Degenerative Spondylolisthesis: Is Indirect Decompression Crazy? <i>Ryan Anderson, MD</i> |
| 3:15 | Case 3: Revision Proximal Junctional Kyphosis, Reconstruction Of Cervico-Thoracic Deformity <i>Cody Griffin, MD</i> |
| 3:25 | Clinical Cases With Discussion & Questions & Answers <i>Marc J. Levine, MD</i> <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i> <i>Vinko Zlomislic, MD</i> |
| 3:55 | BREAK & VISIT THE EXHIBITS |
| 4:16 | Enhanced Recovery After Surgery (ERA) Awake Fusion: The Future Is Now Here! <i>Michael Y. Wang, MD, FACS</i> |

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| 4:25 | Emory University of Pennsylvania/University of California, San Francisco Fellowship Experience <i>Panel Moderators: John G. Heller, MD</i> <i>Harvey E. Smith, MD</i> |
| 4:25 | Case 1: Cervical Myelopathy Anterior Or Posterior <i>Matt Lunati, MD</i> |
| 4:35 | Case 2: What Went Wrong & Lessons Learned: MIS Scoliosis Case With Robot & Expandable Cages: Failed Postop Week 5 <i>Xun Li, MD</i> |
| 4:45 | Case 3: Pediatric Scoliosis: Tether Vs. Fusion OR Spine Tumors: Cement & Screws <i>Nitin Agarwal, MD</i> |
| 4:55 | Honorary Symposium Lecture: From Spine Surgeon To Patient <i>Rex A.W. Marco, MD</i> |
| 5:15 | Inaugural Lifetime Achievement Award: Words Of Wisdom <i>Steven R. Garfin, MD</i> |
| 5:35 | Closing Remarks <i>Marc J. Levine, MD</i> <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i> <i>Vinko Zlomislic, MD</i> |
| 5:45 | First Business Meeting Planning For 2022 Guest Program 2022 <i>Marc J. Levine, MD</i> <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i> <i>Vinko Zlomislic, MD</i> |
| 6:00 | End of Program Join Zimmer Extravaganza |

Lifetime Achievement Award Recipient



Dr. Steven Garfin is a pioneer in the field of spine surgery having been involved in designing and assessing surgical techniques and instrumentation to treat spinal disorders.

HIP ARTHROPLASTY • GRAND BALLROOM 3, 6

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

Hip Arthroplasty Vice Chairs
 Michael P. Ast, MD
 Neil P. Sheth, MD

Distinguished Professors
 Richard A. Berger, MD
 Alejandro Gonzalez Della Valle, MD

International Honored Professor
 Thorston Gehrke, MD, PhD

7:00 WELCOME & INTRODUCTION

Michael P. Ast, MD
 Matthew S. Hepinstall, MD
 Neil P. Sheth, MD
 Scott M. Sporer, MD

7:05 PELVIC-SPINE CONTINUITY & DISLOCATION PREVENTION

Section Moderator: Ran Schwarzkopf, MD, MSc

7:05 Understanding The Hip-Spine Relationship & Formulating A Patient-Specific Plan To Place The Acetabular Cup So I Never Fail
Ran Schwarzkopf, MD, MSc

7:12 My Standard Work-Up For The Pelvic-Spine Patient
Matthew S. Hepinstall, MD

7:19 Mini-Panel: 65-Year-Old Corporate Executive With Ankylosing Spondylitis, Asymptomatic In His Back With A Painful Hip
Panel Moderator: Ran Schwarzkopf, MD, MSc
7:19 Pro: Making An Anatomic Cup Position With Dual Mobility In The Complex Hip/Spine Patient
Scott M. Sporer, MD
7:24 Pro: Avoid Routine Use Of The Dual Mobility, It Should Be Reserved For The Right Case - I Will Show You What I Do Instead!
Peter K. Sculco, MD
7:29 Pro: Slow Down! Classic Overthinking: Assess & Achieve Stability No Different Than Years Ago - This Nonsense Doesn't Matter For My Anterior Approaches
Joseph T. Moskal, MD, FACS

7:34 77-Year-Old Country Club Tennis Champ Just Got His Spine Fixed, Had A Hip Placed 15 Years Ago, No Issues Previously & It Just Dislocated When Running For A Wide Forehand - What's The Plan Now In This Class Of Patients, I Know The Answers
Darwin D. Chen, MD

7:41 Evolving Technique Update Panel: 83-Year-Old Scratch Golfer With Two Year Ago L5-S1 Fusion Now Needs A Total Hip - Listen To Me, Let Me Show You The Technology That Will Get The Acetabular Cup In The Right Place
Panel Moderator: Michael J. Kaplan, MD
7:41 Pro: Robotics Have Been Created To Save The Day: Let Me Show You How Easy This Is
Ran Schwarzkopf, MD, MSc
7:47 Pro: An Optimized Positioning System Will Help You Avoid The Mistake & Create A Stable Hip For Years To Come
Stefan W. Kreuzer, MD, MSc
7:53 Pro: Use Accelerometers: Say What?!?
Peter K. Sculco, MD
7:59 Pro: Fluoro-Guided Navigation Is Much Better Than What My Colleagues Are Telling You
Roy I. Davidovitch, MD

8:05 Clinical Case Presentations With Questions & Answers: Avoiding Dislocations & Designing Preventive Solutions When Understanding Pelvic-Spine Continuity Issues
Case Panel Moderators: Scott M. Sporer, MD
Ran Schwarzkopf, MD, MSc
Case Panel: Friedrich Boettner, MD
Darwin D. Chen, MD
H. John Cooper, MD
Craig R. Mahoney, MD
Karl Koenig, MD, MS
Joseph T. Moskal, MD, FACS
Amar S. Ranawat, MD
Peter K. Sculco, MD
Frank R. Voss, MD

8:25 FEMORAL FIXATION: STAYING OUT OF TROUBLE IN PRIMARY TOTAL HIP
Section Moderator: Michael J. Kaplan, MD

8:25 Evolving Technique Update: The Robot Says Do It & I Don't Agree: Now What Do I Do
Matthew S. Hepinstall, MD

8:30 Evolving Technique Update: The Complex Primary Femur: How To Know Ahead Of Time Things Won't Work Out - My Tricks
David J. Mayman, MD

8:35 Evolving Technique Update: Femoral Version: Why It Is Hard Sometimes, Which Ones To Expect, Have Your Rep Ready
Scott M. Sporer, MD

8:40 Distinguished Professor Lecture: All The New Technology, When To Say No, When To Say Yes - My Thoughts
Alejandro Gonzalez Della Valle, MD

8:48 Evolving Technique Update: Microplasty Stems: Need To Understand Who You Use Them In & How To Get The Results
Stefan W. Kreuzer, MD, MSc

8:53 Evolving Technique Update: Cementless Fixation: Choosing The Stem With A Direct Anterior Approach
John M. Keggi, MD

HIP ARTHROPLASTY • GRAND BALLROOM 3, 6

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| 8:58 | Evolving Technique Update: Cemented Stems: We're Back! How To Use & Succeed <i>Joseph T. Moskal, MD, FACS</i> |
| 9:03 | Evolving Technique Update: Collared Cementless Stems: Bill Harris Taught Us Years Ago, Enhanced Stability Without Cement <i>Hari Kiran Parvataneni, MD</i> |
| 9:08 | Evolving Technique Update: Resurfacing: Didn't You Listen Last Year? You All Still Don't Get It! <i>Thomas P. Gross, MD</i> |
| 9:13 | Evolving Technique: The Lipped Liner Is Not Sinful - The Ends Justify The Means! <i>H. Del Schutte, Jr., MD</i> |
| 9:19 | Evolving Technique Update: Not Every Dual Mobility Is The Same: I Will Let You In On The Secrets - How I Chose <i>Ran Schwarzkopf, MD, MSc</i> |
| 9:24 | Evolving Technique: The Thin Poly: Does That Make You Nervous? 40-mm Heads Even More Nervous? Did Any Of These Things Stop Being Used <i>Scott M. Sporer, MD</i> |

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

10:10 LIVE SURGERY
ROBOTIC TOTAL KNEE ARTHROPLASTY
Surgeon: Stefan W. Kreuzer, MD, MSc
Supported By An Educational Grant By THINK Surgical

10:30 PAIN AFTER TOTAL HIP ARTHROPLASTY: WHEN TO REVISE & HOW TO APPROACH
Section Moderator: Karl Koenig, MD, MS MS

10:30 Mini-Panel: Issues That Confound All Of Us When We Thought We Did It Right
Panel Moderator: Peter K. Sculco, MD

- 10:30 Pro: My Algorithm To The Painful Total Hip Arthroplasty: When The Patient Says It Feels Bad & The X-Ray Looks Good**
Hari Kiran Parvataneni, MD
- 10:35 Pro: Heterotopic Ossification, It's The Cause: How To Prevent, How To Treat, Why Haven't We Solved It Yet?**
Amar S. Ranawat, MD
- 10:40 Pro: Metal-On-Metal & Trunion Issues: You Need To Know How To Manage Even If You Say I Am Not Doing It This Way**
H. John Cooper, MD

10:45 THE NOT SO ROUTINE PRIMARY TOTAL HIP
Section Moderator: Neil P. Sheth, MD

- 10:45 Panel: The Complex Primary Acetabulum With Significant Bone Loss: How I Succeed**
Panel Moderator: Neil P. Sheth, MD
- 10:45 Pro: How I Use Computer-Assisted Navigation Or Robotic-Assisted To Succeed In A Perfect Cup Placement & Not Lose Any Sleep**
David J. Mayman, MD
- 10:51 Pro: Intraop Fluoro Is The Way To Go To Understand Hip Instability: I Wear My Thyroid Shield & Check The Cup & Stem Position**
Theodore T. Manson, MD
- 10:57 Pro: Cup Placement Does Not Need Technology: Go Where The Good Bone Is**
Amar S. Ranawat, MD

- 11:03 Panel: The Complex Primary Femur: Offset, Unusual Anatomy, Deficient Bone Or Narrow Canal**
Panel Moderator: Theodore T. Manson, MD
- 11:03 Pro: Modularity Wins The Day: It Has Been Around For A Long Time, No Need To Sweat - Let Me Show You Some Examples**
Frank R. Voss, MD
- 11:09 Pro: Slow Down Young Man, Remember Sir John Charnley? Cement Baby - The Hybrid Solution**
Alejandro Gonzalez Della Valle, MD
- 11:15 Pro: The Role Of The Conical Stem: Why It Beats Modularity & Cement Every Day**
Hany S. Bedair, MD

11:21 MRI Evaluation Of The Total Hip: What I Can Tell You, Watch How Much I Can Help, Let Me Teach You The Right Protocol
Hollis G. Potter, MD

11:36 Clinical Case Presentations With Questions & Answers: Abnormal Version, Valgus Neck, Severe Type C Bone, Deformity Below Lesser Trochanter, DDH & Hip Dysplasia, Neuromuscular Imbalance, Osteonecrosis, Acetabular Protrusion, Down Syndrome
Case Panel Moderators: Michael P. Ast, MD
Scott M. Sporer, MD
Case Panel: Hany S. Bedair, MD
H. John Cooper, MD
Roy I. Davidovitch, MD
Alejandro Gonzalez Della Valle, MD
Karl Koenig, MD, MS MS
Theodore T. Manson, MD
David J. Mayman, MD
Ran Schwarzkopf, MD, MSc
Neil P. Sheth, MD

12:00 Lunchtime Symposia I: Knee Preservation Through Cartilage Restoration
Please See Page 81 For Details
Move to Bellagio Ballroom 2, 4, 6, 7
Lunch Served In Room

12:30 Lunchtime Symposia II: Keys To Clavicle Fractures: Latest Techniques, Treatment Plans, & Implant Options
Please See Page 81 For Details
Move to Bellagio Ballroom 2, 4, 6, 7
Lunch Served In Room



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HIP ARTHROPLASTY •
GRAND BALLROOM 3, 6

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|------|---|
| 1:00 | Lunchtime Symposia III: What If Postop Pain Didn't Exist? <i>Please See Page 81 For Details</i> <i>Move to Bellagio Ballroom 2, 4, 6, 7</i> Lunch Served In Room |
| 1:30 | DESSERT & VISIT THE EXHIBITS |
| 2:00 | Knee Arthroplasty Session Begins |

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

Educational Content Endorsed By



Knee Sports, Cartilage & Biologics Chair
 Kevin F. Bonner, MD

Knee Sports, Cartilage & Biologics Co-Chairs
 Rachel M. Frank, MD
 Seth Lawrence Sherman, MD

Honored Professors
 Charles A. Bush-Joseph, MD
 Edward R. McDevitt, MD

Distinguished Professors
 Mark D. Miller, MD
 Kurt P. Spindler, MD

7:00 WELCOME & INTRODUCTION

Joseph A. Abboud, MD
Brian D. Busconi, MD
Ronald A. Navarro, MD
Stephanie C. Petterson, MPT, PhD
Allston J. Stubbs, MD, MBA

7:05 WELCOME & INTRODUCTION

Kevin F. Bonner, MD
Rachel M. Frank, MD
Seth Lawrence Sherman, MD

7:10 BIOLOGICS & INJECTIONS: THE MOVING TARGET
Section Moderator: Annunziato Amendola, MD

7:10 Evolving Technique Update Panel: The 38-Year-Old Former D1 Football Player Now Wall Street Broker Using His N95 On Flights From NYC To Tokyo Every Weekend: 'I Need Relief When I Play Paddle, My Knee Hurts'

Panel Moderator: Rachel M. Frank, MD

7:10 Pro: The Long-Acting Steroid Is The Answer: You Have Not Been Listening, It's Approved, It Has A Code

Kevin D. Plancher, MD, MPH, FAAOS, FAOA

7:15 Pro: HA Or HA+PRP: I'm A Clinician & I Have Years Of Experience & Good Science Everyone Is Ignoring

Brian J. Cole, MD, MBA

7:20 Pro: Leukocyte Poor PRP: How Many Papers Do I Have To Write, Join My Bandwagon

Jason L. Dragoo, MD

7:25 Pro: Bone Marrow Aspirate Concentrate In The Office: The Way To Go, Let Me Show You All My Secrets

Sean McMillan, DO, FAOAO

7:30 Pro: Painless Adipose Harvest In The Office: Ignore My Colleagues

Joanne Halbrecht, MD

7:35 Pro: Amnion & Coral: The True Answer, Just Know How, Why & My Expectations

Kenneth R. Zaslav, MD



Be Sure To Visit All of the OSET Exhibitors To Win Prizes.

Full List And Descriptions Can Be Found In Our Separate Exhibitors Guide.

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

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|---|--|--|--|
| 7:40 | <p>Clinical Case Presentations With Questions & Answers: Rapid Fire Answers, Yes/No Explanations, Putting The Faculty On The Spot: Everything Biologics <i>Case Panel Moderators: Brian J. Cole, MD, MBA Seth Lawrence Sherman, MD</i> <i>Case Panel: Thomas Michael DeBerardino, MD, FAOA Jason L. Dragoo, MD Rachel M. Frank, MD Joann Halbrecht, MD Edward R. McDevitt, MD Sean McMillan, DO, FAOAO Kevin D. Plancher, MD, MPH, FAAOS, FAOA Adam B. Yanke, MD, PhD Kenneth R. Zaslav, MD</i></p> | | <p>9:00 Debate: 36-Year-Old Motocross Rider With Knee Pain & Previous Injury Now Unable To Compete, Wants Solutions <i>Debate Moderator: William D. Bugbee, MD</i> 9:00 Pro: A Single, Elliptical Osteochondral Allograft: A Perfect Fit, Why Make It Hard <i>Seth Lawrence Sherman, MD</i> 9:05 Pro: Snowman Osteochondral Allograft: Two Is Always Better Than One <i>Adam B. Yanke, MD, PhD</i> 9:10 Mini Panel: 18-Year-Old High School Football Player Post Showcase With A 2-cm² Lateral Femoral Condyle Focal Cartilage Defect, Previous Lateral Meniscectomy & 5 Degrees Of Valgus Alignment <i>Mini Panel Moderator: Christian Lattermann, MD</i> 9:10 Pro: It's Not The Bone: The Answer Is Restore Cartilage With A Meniscus Transplant - That's It! <i>Thomas R. Carter, MD</i> 9:15 Pro: It's Not The Cartilage: Restore The Bone - Distal Femoral Osteotomy, It's Simple! That's It! <i>Thomas Michael DeBerardino, MD, FAOA</i> 9:20 Pro: Common Sense: Fix It All - Restore The Cartilage, Distal Femoral Osteotomy, Lateral Meniscus Allograft Transplantation - Finally The Right Answer <i>Annunziato Amendola, MD</i></p> |
| <p>8:08 CARTILAGE & JOINT PRESERVATION PROCEDURES <i>Section Moderator: Kenneth R. Zaslav, MD</i></p> | | | |
| 8:08 | <p>Evolving Technique: In-Office Arthroscopy: You Must Learn How To Do It - Preop, Postop & When <i>Sean McMillan, DO, FAOAO</i></p> | | |
| 8:15 | <p>Mini Panel: 21-Year-Old Female D1 Soccer Player Post Season s/p ACL Reconstruction Now With Persistently Symptomatic 2-cm² Lateral Femoral Condyle Focal Chondral Defect: What I Do? <i>Panel Moderator: Eric C. McCarty, MD</i></p> | | |
| | <p>8:15 Pro: Bipolar Chondroplasty: Forget The Old Literature, It's The Wave Of The Future <i>Armando F. Vidal, MD</i></p> | | |
| | <p>8:20 Pro: Second Generation Marrow Stimulation: True & Tried, It Will Work <i>Jason L. Koh, MD, MBA</i></p> | | |
| | <p>8:25 Pro: Osteochondral Autograft Transfer: Why Give It A Second Thought <i>Rachel M. Frank, MD</i></p> | | |
| | <p>8:30 Pro: Fresh Pre-Cut Osteochondral Allograft: Quick, Easy, Reproducible <i>Kevin F. Bonner, MD</i></p> | | |
| | <p>8:35 Pro: Juvenile Particulated Cartilage Allograft: Open The Package & Off We Go! <i>Jason L. Dragoo, MD</i></p> | | |
| 8:40 | <p>Mini Panel: 25-Year-Old Former Dartmouth Downhill College Skier With A Medial Femoral Condyle Oblong Defect, 3.2-cm² With Normal Alignment: Stand Back & Let Me Show You What I Do <i>Panel Moderator: Kevin F. Bonner, MD</i> 8:40 Pro: Third Generation Autologous Cultured Chondrocytes On A Porcine Collagen Membrane <i>Christian Lattermann, MD</i> 8:45 Pro: Cryopreserved Viable Osteochondral Allograft: Simple & Effective <i>Aaron J. Krych, MD</i> 8:50 Pro: Fresh Osteochondral Allograft: Hold The Phone, Stop With All The Silly Other Procedures <i>William D. Bugbee, MD</i> 8:55 Pro: Shhh! A Clinical Trial Almost Done, Get The News While It's Hot: Ex Vivo Expanded Autologous Chondrocytes On A Bioresorbable Biphasic Collagen Scaffold <i>Kevin D. Plancher, MD, MPH, FAAOS, FAOA</i></p> | | <p>9:25 Honored Professor Commentary: I Have Traveled This Road, Here Is What I Have Learned <i>Edward R. McDevitt, MD</i> 9:30 BREAK & VISIT THE EXHIBITS 10:10 Evolving Technique Update: Natural History of Cartilage Lesions: What Do We Really Know? <i>Brian J. Cole, MD, MBA</i> 10:15 The Evolution of Joint Preservation: What I've Learned Over 20+ Years <i>Kenneth R. Zaslav, MD</i> 10:23 Clinical Case Presentations With Questions & Answers: Rapid Fire Answers, Yes/No Explanations, Putting The Faculty On The Spot: Everything Cartilage <i>Case Panel Moderators: Rachel M. Frank, MD Thomas Michael DeBerardino, MD, FAOA</i> <i>Case Panel: Annunziato Amendola, MD Kevin F. Bonner, MD William D. Bugbee, MD Thomas R. Carter, MD Brian J. Cole, MD, MBA Christian Lattermann, MD Aaron J. Krych, MD Misty Suri, MD Armando F. Vidal, MD</i></p> |

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

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| 10:53 | THE MIDDLE-AGED PATIENT: I AM NOT OLD, I AM NOT YOUNG - HELP ME! STOP FIGHTING WITH EACH OTHER! <i>Section Moderator: Annunziato Amendola, MD</i> |
| 10:53 | <p>Panel: 49-Year-Old Country Club Squash Champ With Medial-Sided Knee Pain In Varus, Narrowed Joint, MRI Says Medial Meniscus Tear: It's Bone Edema Not The Joint <i>Panel Moderator: Kevin F. Bonner, MD</i></p> <p>10:53 Pro: Synthetic, Biocompatible Hyaluronic Acid-Based Bone Graft Substitute Solves The Pain Problem <i>Misty Suri, MD</i></p> <p>10:58 Pro: No, Use A Beta-Tricalcium Phosphate (β-TCP) Osteoconductive Bone Graft Substitute: Works All The Time <i>Jason M. Scopp, MD</i></p> <p>11:03 Pro: Little Boys & Girls, Can You Say Subchondroplasty: A Nanocrystalline, Highly Porous Injectable With Calcium Phosphate (CaP) - Don't Be Fooled By The Imposters <i>Peter F. Sharkey, MD</i></p> <p>11:08 Pro: Join The Rest Of The World Please: A Well-Performed HTO Solves The Problem <i>Annunziato Amendola, MD</i></p> <p>11:13 Pro: No Goop Injection: The Best Answer Is A Medial Unloader Brace & He Will Win The Club Championship <i>Kevin E. Wilk, PT, DPT, FAPTA</i></p> |
| 11:18 | <p>Panel: 49-Year-Old Country Club Squash Champ With Medial-Sided Knee Pain In Varus, Narrowed Joint, MRI Says Medial Meniscus Tear: It's The Joint Not Bone Edema <i>Panel Moderator: Peter F. Sharkey, MD</i></p> <p>11:18 Pro: Results Of Arthroscopic Debridement: Why You Are Wasting Your Time - It Will Collapse <i>Jimmy Chow, MD</i></p> <p>11:23 Pro: Fixed-Bearing UKA: Computer-Guided - One & Done, Crushes His Opponents! <i>Matthew S. Hepinstall, MD</i></p> <p>11:28 Pro: Custom-Made Pre-Navigated Uni Knee Lets Him Win The Crown <i>Philip Davidson, MD</i></p> <p>11:33 Pro: Don't Be Ridiculous! Total Knee Replacement, CR- or PS-Type Wins The Day <i>Michael J. Kaplan, MD</i></p> |
| 11:38 | <p>Final Jeopardy: Two Answers Only - Preservation Or Replacement - Time To Stand Your Ground - Lightning Round (Medial & Lateral Narrowed Joints, Non-Narrowed Joints With Bone Edema) <i>Case Panel Moderators: Joanne Halbrecht, MD Neil P. Sheth, MD</i></p> <p><i>Case Panel: Kevin F. Bonner, MD William D. Bugbee, MD Jimmy Chow, MD Philip Davidson, MD Thomas Michael DeBerardino, MD, FAOA Matthew S. Hepinstall, MD Christopher C. Kaeding, MD Michael J. Kaplan, MD Peter F. Sharkey, MD</i></p> |

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| 12:00 | <p>Lunchtime Symposia I: Knee Preservation Through Cartilage Restoration <i>Please See Page 81 For Details</i> <i>Move to Bellagio Ballroom 2, 4, 6, 7</i> <i>Lunch Served In Room</i></p> |
| 12:30 | <p>Lunchtime Symposia II: Keys To Clavicle Fractures: Latest Techniques, Treatment Plans, & Implant Options <i>Please See Page 81 For Details</i> <i>Move to Bellagio Ballroom 2, 4, 6, 7</i> <i>Lunch Served In Room</i></p> |
| 1:00 | <p>Lunchtime Symposia III: What If Postop Pain Didn't Exist? <i>Please See Page 81 For Details</i> <i>Move to Bellagio Ballroom 2, 4, 6, 7</i> <i>Lunch Served In Room</i></p> |
| 1:30 | DESSERT & VISIT THE EXHIBITS |
| 2:00 | Shoulder Sports: Rotator Cuff & Biceps |

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Sunday, December 12th

7:15PM – 8:45PM | Exhibit Hall

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TRAUMA • MONET 3, 4

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| <p>Educational Content Endorsed By</p>  | <p>Trauma Co-Chairs James A. Goulet, MD Frank A. Liporace, MD Michael D. McKee, MD, FRCS(C)</p> <p>Honored Professor Bernard F. Morrey, MD</p> <p>Distinguished Professors Jesse B. Jupiter, MD William M. Ricci, MD Mark S. Vrahas, MD, MHCDS</p> |
| | <p>6:55 WELCOME & INTRODUCTION James A. Goulet, MD Frank A. Liporace, MD Michael D. McKee, MD, FRCS(C)</p> |
| | <p>7:00 PROXIMAL HUMERAL FRACTURES Section Moderator: James A. Goulet, MD</p> |
| <p>7:00 Debate: 47-Year-Old Female Falls In Fencing Class, Sustains 3-Part Displaced Proximal Humerus Fracture Debate Moderator: Frank A. Liporace, MD</p> | |
| <p>7:00 Pro: Just Nail It: It's Faster, Less Invasive, No Nerve Damage - Watch Me Peter N. Chalmers, MD</p> | |
| <p>7:05 Pro: Are You Kidding? The Only Way To Put All The Pieces Together Safely Is With Plates & Screws Michael D. McKee, MD, FRCS(C)</p> | |
| <p>7:10 Evolving Technique: Ability To Treat Proximal Humerus Fractures In Fragility Cases Using Bone Void Fillers Through Injection With Screws & Polyaxial Plating William I. Sterett, MD</p> | |
| <p>7:17 HUMERAL SHAFT FRACTURES & THE CLAVICLE Section Moderator: William I. Sterett, MD</p> | |
| <p>7:17 Evolving Technique: The Humeral Shaft Fracture: Which Ones Can Be Treated Nonoperatively & Which Ones You Must Fix Frank A. Liporace, MD</p> | |
| <p>7:24 Evolving Technique: Medial Clavicle Fractures: When To Operate Or Treat Nonoperatively & Why Michael D. McKee, MD, FRCS(C)</p> | |
| <p>7:31 Evolving Technique: Midshaft Clavicle Fractures: When To Operate Or Treat Nonoperatively & Why John "JD" Adams, MD</p> | |
| <p>7:38 Evolving Technique: Lateral Clavicle Fractures: When To Operate Or Treat Nonoperatively & What I Do With The AC Ligaments As Well William B. Geissler, MD</p> | |

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| <p>7:45 Clinical Case Presentations With Questions & Answers: Proximal Humerus & Clavicle Fractures & Nonunions, Periprosthetic & Humeral Shaft Fractures: The Good, The Bad, The Ugly Case Panel Moderators: Michael D. McKee, MD, FRCS(C) Michael Suk, MD, JD, MPH, MBA, FACS Case Panel: John "JD" Adams, MD Julie E. Adams, MD Peter N. Chalmers, MD William B. Geissler, MD Jesse B. Jupiter, MD Frank A. Liporace, MD William I. Sterett, MD William M. Ricci, MD Melvin P. Rosenwasser, MD</p> |
| <p>8:10 ELBOW TRAUMA A POTPOURRI: NEW CONCEPTS 2021 Section Moderator: Michael D. McKee, MD, FRCS(C)</p> |
| <p>8:10 Evolving Technique Update: Distal Articular Fractures Of The Humerus: 5 Tips & Tricks For A Great Outcome Michael D. McKee, MD, FRCS(C)</p> |
| <p>8:15 Evolving Technique Update: How I Fix A Trans-Olecranon Fracture Nirmal C. Tejwani, MD</p> |
| <p>8:20 Evolving Technique Update: Capitellar Shear Fractures: Subtle & Must Be Fixed - Don't Miss Them! John "JD" Adams, MD</p> |
| <p>8:25 Evolving Technique Update: Monteggia Fractures: Fixing The Ulna Is Key - 5 Tips, 5 Minutes Niloofer Dehghan, MD, MSc, FRCSC</p> |
| <p>8:30 Distinguished Professor Lecture: Nonunions Of The Distal Humerus: The Medial Approach Saves The Day - I Have Multiple Years Of Knowledge, Don't Be Afraid, Let Me Show You How To Adapt For Your Patients Jesse B. Jupiter, MD</p> |
| <p>8:45 Feature Lecture: A 37-Year-Old Construction Worker Falls From A 3 Foot Height & Sustains A Terrible Triad Elbow Fracture On The Dominant Arm: Stop The Clock! The Internal Joint Stabilizer Has Changed This Operation: Listen Closely, Understand The Anatomy, Understand The Procedure - I Can Help Your Patients Jorge L. Orbay, MD</p> |



TRAUMA • MONET 3, 4

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| 9:05 | <p>Clinical Case Presentations With Questions & Answers: Difficult Elbow Trauma With Complications (Nonunions Of The Distal Humerus, The Terrible Triad, Anatomic Approaches, Revision Distal Humerus Fractures) <i>Case Panel Moderators: Michael D. McKee, MD, FRCS(C)</i> <i>Jorge L. Orbay, MD</i> <i>Case Panel: John "JD" Adams, MD</i> <i>Niloofer Dehghan, MD, MSc, FRCSC</i> <i>William B. Geissler, MD</i> <i>Jesse B. Jupiter, MD</i> <i>Frank A. Liporace, MD</i> <i>Mark S. Rekant, MD</i> <i>William M. Ricci, MD</i> <i>Melvin P. Rosenwasser, MD</i> <i>Nirmal C. Tejwani, MD</i></p> | 10:50 | <p>Evolving Technique: Post-Traumatic Radiocapitellar Arthritis: My Approach To This Challenging Problem <i>William B. Geissler, MD</i></p> |
| 9:30 | BREAK & VISIT THE EXHIBITS | 10:57 | <p>Mini-Debate: 75-Year-Old Female Club Golf Champion Sustains A Supracondylar Humeral Fracture After Falling Out Of The Golf Cart <i>Mini-Debate Moderator: Julie E. Adams, MD</i> 10:57 Pro: Fix It! ORIF: No Way Am I Putting In A Prosthesis <i>Scott P. Steinmann, MD</i> 11:02 Pro: Replace It With A Total Elbow! Don't Torment Retirees Just Because They Are Active <i>Peter N. Chalmers, MD</i></p> |
| 10:10 | THE RADIAL HEAD & CORONOID FRACTURES <i>Section Moderator: George A. Paletta, Jr., MD, MBA</i> | 11:07 | <p>Evolving Technique Update: Elbow Arthritis In The Young Adult: The Biologic/Injections & Alternatives For Trauma Surgeons <i>Mark S. Rekant, MD</i></p> |
| 10:10 | <p>Evolving Technique: Coronoid Fractures: Keep Them From Hurting You - Understand A Reliable Treatment Regime <i>Julie E. Adams, MD</i></p> | 11:12 | <p>Honored Professor Lecture: Total Elbow Arthroplasty: From Simple Arthritis To Complex Fractures, From Clean Wound To Infected: All That I Have Learned Through The Years <i>Bernard F. Morrey, MD</i></p> |
| 10:17 | <p>Panel: 32-Year-Old Female 37 Weeks Pregnant With A Dominant Arm Three-Part Radial Head Fracture <i>Panel Moderator: William B. Geissler, MD</i> 10:17 Pro: The Ethical Dilemma: Discussing Waiting Or Operating: What Goes Into The Decision Making <i>Julie E. Adams, MD</i> 10:23 Pro: Assuming An Affirmative Decision To Operate: I Want An ORIF <i>Frank A. Liporace, MD</i> 10:29 Pro: Assuming It's Operative Intervention, No ORIF Please: Let Me Show You The Technique Of Placing An Implant & Avoiding Complications <i>Mark S. Rekant, MD</i></p> | 11:27 | <p>Clinical Case Presentations With Questions & Answers: Distal Humerus Fractures: ORIF Vs. Total Elbow, Use Of The KO Procedure, Subtle Coronoid Fractures, Radial Head Fractures & The Role Of Biologics <i>Case Panel Moderators: William M. Ricci, MD</i> <i>Mark S. Vrahas, MD, MHCDS</i> <i>Case Panel: Julie E. Adams, MD</i> <i>Peter N. Chalmers, MD</i> <i>Niloofer Dehghan, MD, MSc, FRCSC</i> <i>William B. Geissler, MD</i> <i>Frank A. Liporace, MD</i> <i>Michael D. McKee, MD, FRCS(C)</i> <i>Bernard F. Morrey, MD</i> <i>Scott P. Steinmann, MD</i> <i>Nirmal C. Tejwani, MD</i></p> |
| 10:35 | <p>Commentary: Assuming Operative Intervention, So Many Options Of Implants, Picking The Right One, Bipolar Or Not Just To Name A Few Choices <i>Nirmal C. Tejwani, MD</i></p> | 11:55 | <p>Summary: What I Have Learned This Morning <i>Bernard F. Morrey, MD</i></p> |
| 10:40 | DEGENERATIVE CONDITIONS OF THE ELBOW WITH TRAUMA & BIOLOGICS <i>Section Moderator: John "JD" Adams, MD</i> | 12:00 | <p>Non-CME Lunch Spotlight Session <i>Please See Pages 81 For Details</i> Lunch Served In Room</p> |
| 10:40 | <p>Mini-Debate: 68-Year-Old Marathoner Falls & Sustains An Open Intra-Articular Distal Humerus Fracture <i>Mini-Debate Moderator: David S. Ruch, MD</i> 10:40 Pro: ORIF Is The Way To Go: Don't Listen To My Colleague <i>William M. Ricci, MD</i> 10:45 Pro: Total Elbow Arthroplasty Has It's Role: What I Have Learned To Forge Forward <i>Peter N. Chalmers, MD</i></p> | 12:45 | <p>Non-CME Lunch Spotlight Session <i>Please See Pages 81 For Details</i> Lunch Served In Room</p> |
| | | 1:30 | DESSERT & VISIT THE EXHIBITS |
| | | 2:00 | THE INTERTROCHANTERIC/SUBTROCHANTERIC FRACTURE: COMMON FRACTURES THAT WE NEED TO SHARE ALL OUR THOUGHTS <i>Section Moderator: Michael D. McKee, MD, FRCS(C)</i> |
| | | 2:00 | <p>Evolving Technique: The Young Femoral Neck Fracture <i>Michael Suk, MD, JD, MPH, MBA, FACS</i></p> |

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| 2:07 | <p>Panel: The 56-Year-Old Cyclist Fell With A Markedly Displaced IT Hip Fracture <i>Panel Moderator: Michael D. McKee, MD, FRCS(C)</i></p> <p>2:07 Pro: The DHS Sliding Hip Plate With Or Without A Derotational Screw: It Has Been Around For A Long Time, It Is The Right Answer <i>James A. Goulet, MD</i></p> <p>2:13 Pro: Wake Up! It Is The Blade Plate, You Just Don't Know How To Do It! The Lost Art With Better Success <i>Robert D. Zura, MD</i></p> <p>2:19 Pro: Minimal Is The Way To Go: 3 Screws With Washers, Let Me Tell You In What Direction <i>Michael Suk, MD, JD, MPH, MBA, FACS</i></p> <p>2:25 Pro: Read The Literature: The IM Nail, It Is The Right Answer - Get Them Up Out Of Bed Today <i>Simon C. Mears, MD, Phd, FAOA</i></p> |
| 2:31 | <p>Evolving Technique: 77-Year-Old Status Post Intermedullary Nail For An IT Hip Fracture, Now Needing A Total Hip Replacement - Oh The Problems, Are They Real, Should The Patient Have Had A Sliding Hip Screw? <i>Mark S. Vrahas, MD, MHCDS</i></p> |
| 2:38 | <p>Evolving Technique: 56-Year-Old Hockey Player Smashed Into The Boards & Sustains Subtroch Femur Fracture: How I Handle These, Do I Bone Graft, What Am I Worried About? - Let Me Show My Results & How Patients Do <i>Stephen A. Kottmeier, MD</i></p> |
| 2:45 | <p>NAILS, NAILS, NAILS <i>Section Moderator: James A. Goulet, MD</i></p> |
| 2:45 | <p>Evolving Technique: Complications With Short Nails: Avoiding Hip Fracture Failures <i>John "JD" Adams, MD</i></p> |
| 2:52 | <p>Evolving Technique: Complications With Long Nails: Avoiding Hip Fracture Failures <i>David E. Asprinio, MD</i></p> |
| 2:59 | <p>Evolving Technique: OMG! My Rod Crumbled The Femoral Head: How To Avoid This Complication <i>Simon C. Mears, MD, Phd, FAOA</i></p> |
| 3:06 | <p>THE DISTAL FEMUR <i>Section Moderator: William M. Ricci, MD</i></p> |
| 3:06 | <p>Evolving Technique: 27-Year-Old Soccer Goalie Collides With The Post & Sustains A Distal Femur Fracture That Fails: It Seemed Easy To Fix, Why Do These Fail At Times? <i>William M. Ricci, MD</i></p> |
| 3:13 | <p>Evolving Technique Update: Reduction Tips To Get An Anatomic Distal Femur Back In Place: Stand Back! Let Me Show You The Way <i>Emil H. Schemitsch, MD</i></p> |

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| 3:18 | <p>Evolving Technique: The 79-Year-Old Osteoporotic Woman Who Slipped On The Ice With A Distal Femur Fracture: Thank Goodness For The Distal Femur Plate: I Can Make Her Better <i>Mark S. Vrahas, MD, MHCDS</i></p> |
| 3:25 | <p>19-Year-Old Motocross Athlete Crashes Midair And Sustains A Distal Femoral Fracture: I Love My Plates - Why I Do Not Use Any Nails <i>Frank A. Liporace, MD</i></p> |
| 3:33 | <p>Clinical Case Presentations With Questions & Answers: Complications Of Intertroch & Subtroch Fractures, Distal Femoral Fracture Complications & Need For Distal Femoral Replacement Arthroplasty: When Yes, When No, Variable Angle Hip Screw, Weightbearing Status For IT Fractures & Distal Femoral Fractures <i>Case Panel Moderators: Michael Suk, MD, JD, MPH, MBA, FACS Niloofer Dehghan, MD, MSc, FRCSC</i></p> <p><i>Case Panel: John "JD" Adams, MD David E. Asprinio, MD James A. Goulet, MD Frank A. Liporace, MD Simon C. Mears, MD, Phd, FAOA Holly Tyler-Paris Pilson, MD William M. Ricci, MD William I. Sterett, MD Mark S. Vrahas, MD, MHCDS</i></p> |
| 4:10 | <p>BREAK & VISIT THE EXHIBITS</p> |
| 4:40 | <p>PERIPROSTHETIC KNEE FRACTURES: THE PERSPECTIVE FROM TRAUMA SURGEONS <i>Section Moderator: David E. Asprinio, MD</i></p> |
| 4:40 | <p>Panel: 65-Year-Old Skier Who Slipped Coming Down The Mountain & Heard A Crack In His Knee 10 Years After His Total Knee Replacement <i>Panel Moderator: David E. Asprinio, MD</i></p> <p>4:40 Pro: Know When The Brace Is Adequate To Heal The Periprosthetic Knee Fracture: My Limited Indications When Not To Forget Its Use <i>Holly Tyler-Paris Pilson, MD</i></p> <p>4:46 Pro: When I Plate Vs. Nail With Or Without Allograft: How I Make The Right Decision To Salvage The Problem <i>Frank A. Liporace, MD</i></p> <p>4:52 Pro: How I Know If The Implant Is Loose & Will Need A Revision: Preoperative Planning Is The Key To Success <i>Mark S. Vrahas, MD, MHCDS</i></p> |

TRAUMA • MONET 3, 4

4:58 Panel: 56-Year-Old Former College Football Player With A Total Knee Arthroplasty 2 Years Ago Falls While Cleaning His Drain Gutters Of The House & Sustains A Supracondylar Periprosthetic Fracture

Panel Moderator: J. Tracy Watson, MD

4:58 Pro: No Sweat! Retrograde Nail Is The Way To Go

Niloofer Dehghan, MD, MSc, FRCSC

5:04 Pro: Stop The Music! You Need A Plate & You Know It, Tell The Audience The Truth

John "JD" Adams, MD

5:10 Pro: Revising The Knee Arthroplasty Is Sometimes The Best & Only Answer

Michael J. Kaplan, MD

5:16 THE LONELY PATELLA

Section Moderator: Stephen A. Kottmeier, MD

5:16 Panel: The 47-Year-Old Hollywood Actor Falls In Italy And Has A Comminuted Patella Fracture

Panel Moderator: Emil H. Schemitsch, MD

5:16 Pro: I Fix The Patella With K-Wire & Screws: Stand Back! I Can Get This Near Perfect

David E. Asprinio, MD

5:22 Pro: Anchors Away Old Man! Why Are You Using Old Technology

Stephen A. Kottmeier, MD

5:28 Pro: Wake Up All Of You! I Love The Plate For The Patella

Frank A. Liporace, MD

5:34 Pro: Slow Down! If You Want Results, Excise & Advance The Tendon

James A. Goulet, MD

5:40 Clinical Case Presentations With Questions & Answers: Patella Fractures, Periprosthetic Osteoporotic Distal Femur Fracture & A Potpourri Of Trauma Cases: Stump The Stars

Case Panel Moderators: J. Tracy Watson, MD
Stephen A. Kottmeier, MD

Case Panel: John "JD" Adams, MD
David E. Asprinio, MD
Niloofer Dehghan, MD, MSc, FRCSC
James A. Goulet, MD
Michael J. Kaplan, MD
Frank A. Liporace, MD
Simon C. Mears, MD, PhD, FAOA
Emil H. Schemitsch, MD
Mark S. Vrahas, MD, MHCDS

5:58 Wrap Up & Summary

James A. Goulet, MD
Frank A. Liporace, MD
Michael D. McKee, MD, FRCSC(C)

6:00 End of Trauma Program

FOOT & ANKLE • GRAND BALLROOM 7, 9

Educational Content Endorsed By



Foot & Ankle Co-Chairs
Mark A. Glazebrook, MSc, PhD, MD, FRCSC(C)
James W. Stone, MD

Honored Professor
James A. Nunley, MD, MS

Distinguished Professors
Michael J. Coughlin, MD
Roger A. Mann, MD
Bruce J. Sangeorzan, MD

7:00 WELCOME & INTRODUCTION

Foot & Ankle Cadaver Lab Orientation & Lab
Mark A. Glazebrook, MSc, PhD, MD, FRCSC(C)
James W. Stone, MD

10:30 END OF FOOT & ANKLE LAB - CHANGE & MOVE TO FOOT & ANKLE SESSION

10:45 WELCOME & INTRODUCTION

Mark A. Glazebrook, MSc, PhD, MD, FRCSC(C)
James W. Stone, MD

10:50 THE GIANTS SPEAK: MY FAVORITE TOPIC - THE FOOT & ANKLE SESSION CONTINUES

Section Moderator: Mark E. Easley, MD

10:50 MR Imaging Of The Forefoot, Hindfoot & Ankle
Hollis G. Potter, MD

11:05 Total Ankle Arthroplasty: Why It's Here To Stay!
Roger A. Mann, MD

11:20 Peritalar Subluxation/Adult Acquired Flat Foot/ Collapsed Foot/Painful Flat Foot: What Is It & How To Approach It
Bruce J. Sangeorzan, MD

11:30 If You Want The Bone To Heal, Change The Biology!
James A. Nunley, MD, MS

11:40 Biomechanics Of Running
Thomas H. Lee, MD

11:50 Arthroscopic Treatment Of Ankle Fractures: The Right Way To Go
Richard D. Ferkel, MD

12:00 Non-CME Lunch Spotlight Session
Please See Pages 81 For Details
Lunch Served In Room

1:15 DESSERT & VISIT THE EXHIBITS



Join Us! Evening Spotlights

6:00PM – 7:00PM

Hors D'oeuvres & Libations

See Page 82 For Details

FOOT & ANKLE • GRAND BALLROOM 7, 9

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| <p>2:00 ANKLE ARTHRITIS Section Moderator: Bruce J. Sangeorzan, MD</p> | |
| 2:00 | <p>Panel: 55-Year-Old Gym Teacher 15 Years After His Motorcycle Accident & ORIF Of His Distal Tibia Fracture Now With End Stage Ankle Arthritis Panel Moderator: Mark A. Glazebrook, MSc, PhD, MD, FRCS(C)</p> <p>2:00 Pro: Open Arthrodesis Is The Way To Go: It Lets The Other Joints Move The Foot James R. Holmes, MD</p> <p>2:05 Pro: Arthroscopic Arthrodesis: Less Is Better - Faster Recovery & Less Pain James W. Stone, MD</p> <p>2:10 Pro: Total Ankle Arthroplasty: It's The Right Answer & The Time Has Come Roger A. Mann, MD</p> |
| 2:16 | <p>Evolving Technique Update: Total Ankle Arthroplasty: Pushing The Envelope, Not For The Faint With A Scalpel Timothy R. Daniels, MD, FRCSC</p> |
| 2:22 | <p>Evolving Technique Update: Total Ankle Arthroplasty Versus Ankle Arthrodesis: Evidence Based Treatment To Get The Desired Results Mark A. Glazebrook, MSc, PhD, MD, FRCS(C)</p> |
| 2:28 | <p>Clinical Case Presentations With Questions & Answers: Complications Of Total Ankle Arthroplasty, Ankle Arthrodesis, IM Rod Vs. ORIF Case Panel Moderators: Mark E. Easley, MD James A. Nunley, MD, MS Case Panel: Timothy R. Daniels, MD, FRCSC Mark A. Glazebrook, MSc, PhD, MD, FRCS(C) James R. Holmes, MD A. Holly Johnson, MD Peter G. Mangone, MD Roger A. Mann, MD Phinit Phisitkul, MD, MHA Bruce J. Sangeorzan, MD James W. Stone, MD</p> |
| <p>2:48 HALLUX VALGUS & THE FOREFOOT: FOOT & ANKLE BREAD & BUTTER WITH A LITTLE TWIST OF MARGARINE Section Moderator: Michael J. Coughlin, MD</p> | |
| 2:48 | <p>Debate: 50-Year-Old Female With Hallux Valgus & A Big Intermetatarsal Angle Debate Moderator: Sheldon S. Lin, MD</p> <p>2:48 Pro: Fix The Deformity With Any Proximal Osteotomy & Spare The Joint! Roger A. Mann, MD</p> <p>2:53 Pro: Fuse The TMT Joint & Do It Well, It Doesn't Need To Move Anyway Robert D. Santrock, MD</p> |
| 2:58 | <p>Evolving Technique: My Experience With The Lapidus Procedure Scott J. Ellis, MD</p> |

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| 3:05 | <p>My Experience: 23-Year-Old With A Congenital Hallux Valgus & A Small To Intermediate Size Intermetatarsal Angle - Let Me Show You What I Have Learned & How We Can Change Our Thoughts About The Treatment Of Hallux Valgus A. Holly Johnson, MD</p> |
| <p>3:14 LESSER TOE DEFORMITIES Section Moderator: Thomas H. Lee, MD</p> | |
| 3:14 | <p>Debate: 47-Year-Old Wife Of An Antique Car Dealer Status Post Corrective Surgery By Someone Else Now With A Crossover Toe & A Painful Lesser Toe Deformity Debate Moderator: Shepherd R. Hurtwitz, MD</p> <p>3:14 Pro: Ignore The Plantar Plate! IP Fusions & Tendon Correction Is The Test of Time Michael J. Coughlin, MD</p> <p>3:19 Pro: Wrong Old Man! You Need To Fix The Plantar Plate, It's Not That Hard - Let Me Show You The Way Mark E. Easley, MD</p> |
| 3:24 | <p>Evolving Technique: Turf Toe In Elite Athletes: Getting Them Back On The Field Michael J. Coughlin, MD</p> |
| 3:31 | <p>Evolving Technique: Bunionettes Small Deformity But A Big Problem! Scott J. Ellis, MD</p> |
| 3:38 | <p>Evolving Technique: My Sesamoids Hurt! How To Diagnose, Why Its Important & What You Must Do To Help Your Patients Robert D. Santrock, MD</p> |
| 3:45 | <p>Clinical Case Presentations With Questions & Answers: The Hallux Valgus & Lesser Toe Treatment: Oh How It Has Changed Case Panel Moderators: Michael J. Coughlin, MD Mark A. Glazebrook, MSc, PhD, MD, FRCS(C) Case Panel: Judith F. Baumhauer, MD, MPH Mark E. Easley, MD A. Holly Johnson, MD Selene G. Parekh, MD, FAOA, MBA Peter G. Mangone, MD Roger A. Mann, MD Bruce J. Sangeorzan, MD Robert D. Santrock, MD Andrea Veljkovic, MD, MPH, BComm, FAOA, FRCSC</p> |
| <p>4:10 BREAK & VISIT THE EXHIBITS</p> | |
| <p>4:40 HALLUX RIGIDUS: WHAT'S NEW Section Moderator: Andrea Veljkovic, MD, MPH, BComm, FAOA, FRCSC</p> | |

FOOT & ANKLE • GRAND BALLROOM 7, 9

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| 4:40 | <p>Panel: 55-Year-Old Former D1 Collegiate Squash Player With Grade III Hallux Rigidus <i>Panel Moderator: Timothy R. Daniels, MD, FRCSC</i> 4:40 Pro: Fuse The Joint Since The Motion Is Not Necessary <i>James R. Holmes, MD</i></p> <p>4:46 Pro: Save The Joint With A Cheilectomy Or An Osteotomy <i>Michael J. Coughlin, MD</i></p> <p>4:52 Pro: Don't Fuse The Joint! Motion Is Important: A Synthetic Cartilage Implant <i>Peter G. Mangone, MD</i></p> |
| 4:58 | <p>Distinguished Professor Commentary: What I Have Learned Through The Years <i>Roger A. Mann, MD</i></p> |
| 5:05 | <p>ANKLE INSTABILITY <i>Section Moderator: Judith F. Baumhauer, MD, MPH</i></p> |
| 5:05 | <p>Panel: 20 -Year-Old Division I Soccer Player With Acute Grade III Lateral Ankle Sprain With A History Of Recurrent Ankle Sprains <i>Panel Moderator: A. Holly Johnson, MD</i> 5:05 Pro: Acute Lateral Ligament Repair: Better Results In The Competitive Athlete <i>A. Holly Johnson, MD</i></p> <p>5:11 Pro: Arthroscopic Repair & Reconstruction: The Evidence Is In - It's Time To Go Arthroscopic <i>Peter G. Mangone, MD</i></p> <p>5:17 Pro: Nonoperative Treatment Then Late Open Brostrom-Gould: Best Long-Term Results <i>Selene G. Parekh, MD, FAOA, MBA</i></p> |
| 5:23 | <p>Honored Professor Commentary: Ankle Sprains: What I Have Learned Through The Years <i>James A. Nunley, MD, MS</i></p> |
| 5:30 | <p>Update On Foot & Ankle Injuries In The Professional Athlete & NFL: The High Ankle Sprain, Avoiding Litigation, Revisiting The Mechanism Of Injury & Personal Reflections - Sharing Our Secrets Of The Review Of 150 Players, Don't Underestimate The Magnitude Of This Injury <i>Michael J. Coughlin, MD</i></p> |
| 5:40 | <p>Clinical Case Presentations With Questions & Answers: Lightning Round: Ankle Instability, One Sentence Answers <i>Case Panel Moderators: Michael J. Coughlin, MD Thomas H. Lee, MD</i> <i>Case Panel: Judith F. Baumhauer, MD, MPH Timothy R. Daniels, MD, FRCSC Mark E. Easley, MD Scott J. Ellis, MD James R. Holmes, MD A. Holly Johnson, MD Selene G. Parekh, MD, FAOA, MBA Peter G. Mangone, MD James A. Nunley, MD, MS</i></p> |
| 6:00 | <p>End Of Foot & Ankle Program</p> |
| 6:00 | <p>Join The Evening Spotlights <i>Please See Pages 82 For Details</i></p> |
| 7:15 | <p>Join Us Chair Reception</p> |

HAND, WRIST, ELBOW • MONET 1, 2

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| | <p><i>Hand, Wrist & Elbow Co-Chairs</i> George A. Paletta, Jr., MD, MBA Mark S. Rekant, MD David S. Ruch, MD Noah D. Weiss, MD Jeffrey Yao, MD</p> <p><i>Honored Professor</i> A. Lee Osterman, MD</p> <p><i>Distinguished Professors</i> Jesse B. Jupiter, MD Bernard F. Morrey, MD Jorge L. Orbay, MD Melvin P. Rosenwasser, MD Peter J. Stern, MD</p> |
| 6:55 | <p>WELCOME & INTRODUCTION George A. Paletta, Jr., MD, MBA Mark S. Rekant, MD David S. Ruch, MD Noah D. Weiss, MD Jeffrey Yao, MD</p> |
| 7:00 | <p>THE ELBOW FROM TENDON TO LIGAMENT, MUSCLE & BONE <i>Section Moderator: David S. Ruch, MD</i></p> |
| 7:00 | <p>Panel: 34-Year-Old Left Hand Dominant Construction Worker With Left Lateral Elbow Pain (Lateral Epicondylitis) <i>Panel Moderator: Champ L. Baker, Jr., MD</i> 7:00 Pro: The Role Of Stem Cells & Growth Factors For Elbow Pain In 2021: Time To Jump On Board <i>C. Thomas Vangsness, Jr., MD</i></p> <p>7:06 Pro: The Arthroscopic Approach: Understanding Patient Selection Is Imperative <i>Champ L. Baker, Jr., MD</i></p> <p>7:12 Pro: The Role Of Percutaneous Ultrasonic Tenotomy: It Is A Great Office Procedure <i>Bernard F. Morrey, MD</i></p> <p>7:18 Pro: Debride & Repair: Why Make It So Complicated <i>Thomas B. Hughes Jr., MD</i></p> <p>7:24 Pro: I Have Solved The Problem, You Are Not Listening: More Than 20 Years Of Anconeus Flap As A Nirschl Modification - Avoid The Recurrence <i>David S. Ruch, MD</i></p> <p>7:30 Pro: You Are All Not Thinking: Treat The Tennis Elbow But Decompress The Radial Nerve As Well - Let Me Explain Why <i>Raffy Mirzayan, MD</i></p> |

HAND, WRIST, ELBOW • MONET 1, 2

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| 7:36 THE DISTAL BICEPS & TRICEPS REPAIR Section Moderator: Larry D. Field, MD | |
| 7:36 | Panel: 31-Year-Old CrossFit Athlete Lifting Weights & Notices A Proximal Popeye Muscle In His Dominant Arm But Ignored The Injury For 6 Weeks & Decided To Seek Medical Help Panel Moderator: George A. Paletta, Jr., MD, MBA 7:36 Pro: No Problem! Single Incision Time, Let Me Show You How Mark S. Rekant, MD 7:42 Pro: Mayo Way, All The Way: It Is Two Incision Time & No Heterotopic Ossification Scott P. Steinmann, MD 7:48 Pro: You Need A Graft To Get Him Back In Competition: Let Me Show You The Way Dean G. Sotereanos, MD |
| 7:54 | Evolving Technique Update: The Distal Biceps: How To Avoid Complications In Over 800 Repairs Raffy Mirzayan, MD |
| 7:59 | Evolving Technique: 55-Year-Old Former Body Builder & Defensive Lineman Now Unable To Extend His Dominant Forearm With Weakness That Started 6 Weeks Ago: How I Treat This Acute On Chronic Triceps Repair Dean G. Sotereanos, MD |
| 8:06 POSTEROLATERAL ROTATORY INSTABILITY & MCL ISSUES WITH THROWERS Section Moderator: Raffy Mirzayan, MD | |
| 8:06 | Debate: 36-Year-Old Right Hand Dominant Roofer With Posterolateral Rotatory Instability After Dislocation Debate Moderator: Raffy Mirzayan, MD 8:06 Pro: I Fix This Arthroscopically & So Should You! Let Me Show You My Tricks Michael J. O'Brien, MD 8:12 Pro: Direct, Primary Repair With An Internal Brace Works On This Side Of The Elbow Too! Jeffrey R. Dugas, MD |
| 8:18 | Panel: A 19-Year-Old D1 Baseball Pitcher Heard A Pop In His Throwing Arm At The Elbow, MRI Shows The Ligament Is Torn Off The Humerus Panel Moderator: John M. "JT" Tokish, MD 8:18 Pro: Repairing The Ligament, Back To The Humerus Is The Way To Go, No Augmentation David S. Ruch, MD 8:24 Pro: It's Time For The Internal Brace & Full Repair Jeffrey R. Dugas, MD 8:30 Pro: Don't Listen To My Colleagues, Hybrid Is The Way To Go: It Is A Full Reconstruction Plus An Internal Brace C. Thomas Vangsness, MD |
| 8:36 | Evolving Technique: A Repaired MCL, Dominant Arm In A 19-Year-Old Baseball Pitcher, Decided To Throw At 4 Months & Has A New Partial Tear Of His MCL (Mid-Substance) - The Role Of A Brace, PRP & Biologics? Michael J. O'Brien, MD |

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| 8:43 | Feature Commentary: Let's Talk About The Evidence For Medial Collateral & Lateral Collateral Ligament Injuries & Stop The Guesswork George A. Paletta, Jr., MD, MBA |
| 8:50 | Case Presentations With Questions & Answers: Complications & Decision Making About Tennis Elbow, MCL, LCL, Biceps & Triceps Case Panel Moderators: Thomas B. Hughes Jr., MD George A. Paletta, Jr., MD, MBA Case Panel: Jeffrey R. Dugas, MD Larry D. Field, MD Raffy Mirzayan, MD Bernard F. Morrey, MD Michael J. O'Brien, MD David S. Ruch, MD Dean G. Sotereanos, MD John M. "JT" Tokish, MD C. Thomas Vangsness, MD |
| 9:30 BREAK & VISIT THE EXHIBITS | |
| 10:10 THE DISTAL HUMERUS FRACTURE Section Moderator: Noah D. Weiss, MD | |
| 10:10 | Debate: 69-Year-Old Motorcycle Addict Touring The Country Wipes Out On A Rainy Day & Sustains A Complex C2 Distal Humerus Fracture Debate Moderator: Scott P. Steinmann, MD 10:10 Pro: ORIF Is The Best Way To Go: I Will Show You How To Do It Scott P. Steinmann, MD 10:16 Pro: Wrong My Colleague! The Total Elbow In The Right Patient At The Right Time Gets The Result Bernard F. Morrey, MD |
| 10:22 | Distinguished Professor Lecture: Managing Articular Fractures Of The Distal Humerus: 10 Tips In 10 Minutes Jesse B. Jupiter, MD |
| 10:32 OSTEOARTHRITIS OF THE ELBOW Section Moderator: David S. Ruch, MD | |
| 10:32 | Honored Professor Lecture: Total Elbow Arthroplasty: From Primary To Periprosthetic Fracture To Infection - Please Heed My Advice, I Can Tell You How To Succeed Bernard F. Morrey, MD |
| 10:52 ELBOW FRACTURES: THE TERRIBLE TRIAD Section Moderator: Mark S. Rekant, MD | |
| 10:52 | Debate: 50-Year-Old Obese Female With A Terrible Triad Elbow Fracture Dislocation: My Secrets Revealed Debate Moderator: Scott P. Steinmann, MD 10:52 Pro: I Repair The Lateral Collateral Ligament Complex, Replace The Radial Head With A Bipolar Prosthesis & Leave The Coronoid Alone Michael D. McKee, MD, FRCS(C) 10:58 Pro: Follow My Protocol: I Achieve Stability - Include The Coronoid, Stand Back My Canadian Colleague Thomas B. Hughes Jr., MD |

HAND, WRIST, ELBOW • MONET 1, 2

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| 11:04 | Feature Lecture: The Terrible Triad Fracture Pattern: How I Save The Joint, Gain Motion & Why You Need To Listen Very Carefully <i>Jorge L. Orbay, MD</i> |
| 11:24 | THE RADIAL HEAD FRACTURE Section Moderator: <i>Mark S. Rekant, MD</i> |
| 11:24 | Debate: 47-Year-Old Country Club Tennis Player With A 3-Part Displaced Radial Head Fracture Debate Moderator: <i>Mark S. Rekant, MD</i> 11:24 Pro: ORIF Is Feasible & Has The Longest Longevity: What I Really Do, Not Just On The Stage <i>Jesse B. Jupiter, MD</i> 11:30 Pro: Don't Be Silly: A Radial Head Arthroplasty Provides The Best Stability & Back To Sport <i>Dean G. Sotereanos, MD</i> |
| 11:36 | Clinical Case Presentations With Questions & Answers: Fractures & Osteoarthritis Of The Elbow: Complications & A Potpourri, Quick Answers & Making It Work For A Complex Joint (Arthrofibrosis Of The Elbow Post Reconstruction) Case Panel Moderators: <i>George A. Paletta, Jr., MD, MBA</i> <i>David S. Ruch, MD</i> Case Panel: <i>William B. Geissler, MD</i> <i>Thomas B. Hughes Jr., MD</i> <i>Jesse B. Jupiter, MD</i> <i>Jorge L. Orbay, MD</i> <i>Mark S. Rekant, MD</i> <i>Marc J. Richard, MD</i> <i>Dean G. Sotereanos, MD</i> <i>Noah D. Weiss, MD</i> |
| 12:00 | Non-CME Lunch Spotlight Session <i>Please See Page 81 For Details</i> Lunch Served In Room |
| 12:45 | Non-CME Lunch Spotlight Session <i>Please See Page 81 For Details</i> Lunch Served In Room |
| 1:30 | DESSERT & VISIT THE EXHIBITS |
| 2:00 | DEBATES IN HAND, WRIST & ELBOW SURGERY: TELL ME THE TRUTH Section Moderator: <i>David S. Ruch, MD</i> |
| 2:00 | THE STIFF ELBOW Section Moderator: <i>David S. Ruch, MD</i> |
| 2:00 | Debate: 27-Year-Old Rugby Player in a Scrum Injured 2 Years Ago, Now With A Painful, Stiff Elbow Debate Moderator: <i>William B. Geissler, MD</i> 2:00 Pro: Release It Open: Reliable, You Can Get The Results <i>Scott P. Steinmann, MD</i> 2:06 Pro: Give Me the Scope: Everything You Can Do, I Can Do Better! <i>Larry D. Field, MD</i> 2:12 Rebuttal <i>Scott P. Steinmann, MD</i> <i>Larry D. Field, MD</i> |

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| 2:16 | THE ADOLESCENT ELBOW: OCD Section Moderator: <i>William B. Geissler, MD</i> |
| 2:16 | Debate: A 14-Year-Old Gymnast With A Known OCD Of The Capitellum Debate Moderator: <i>George A. Paletta, Jr., MD, MBA</i> 2:16 Pro: A Simple Debridement Will Solve The Gymnast's Problems <i>Larry D. Field, MD</i> 2:22 Pro: Wrong My Colleague! This Is A Complex Problem That Needs An Osteoarticular Graft Transfer - The Only Way To Solve This Problem! <i>Marc J. Richard, MD</i> |
| 2:28 | Rebuttal <i>Larry D. Field, MD</i> <i>Marc J. Richard, MD</i> |
| 2:32 | THE ELBOW & CUBITAL TUNNEL Section Moderator: <i>Jeffrey R. Dugas, MD</i> |
| 2:32 | Mini-Panel: A 50-Year-Old Electrician/Amateur Weekend Baseball Pitcher With Mild To Moderate Atrophy & A Positive EMG Compression At The Cubital Tunnel Panel Moderator: <i>Mark S. Rekant, MD</i> 2:32 Pro: Keep It Simple, The Literature Says Decompression & My Experience Gets The Result! <i>Brian D. Adams, MD</i> 2:38 Pro: Don't Be Silly, Endoscopic Is Quick & Easy & Works Best! <i>Mark S. Rekant, MD</i> 2:44 Pro: Ulnar Nerve Transposition With Dehydrated Amniotic Membrane <i>Raffy Mirzayan, MD</i> 2:50 Pro: Subcutaneous Transposition Is The Answer In This Athlete! <i>William B. Geissler, MD</i> 2:56 Pro: Slow Down Young Men, Go Big Or Go Home, Submuscular Transposition Is Necessary! One & Done! <i>Peter J. Stern, MD</i> |
| 3:02 | THE GIANTS SPEAK ABOUT ELBOW SURGERY & MORE Section Moderator: <i>Noah D. Weiss, MD</i> |
| 3:02 | Feature Lecture: The Posttraumatic Osteoarthritic Elbow: Have We Learned Anything? Are We Closer To Solving This Problem In 2021 <i>A. Lee Osterman, MD</i> |
| 3:12 | Feature Lecture: Understanding The Interosseous Ligament: How The Forearm Works <i>Jorge L. Orbay, MD</i> |
| 3:22 | Feature Lecture: 10 Mistakes You Don't Want To Make When Performing An Elbow Arthroscopy <i>Larry D. Field, MD</i> |
| 3:32 | Feature Lecture: The World Has Changed: How I Teach Hand, Wrist & Elbow Surgery Without Compromising My Patient's Health - A Guide To Success, 10 Tips, 10 Minutes (Mistakes, The Young Resident & Fellow Make In The ER) <i>Melvin P. Rosenwasser, MD</i> |

HAND, WRIST, ELBOW • MONET 1, 2

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| 3:42 | THE ACHING WRIST: THE SCAPHOLUNATE LIGAMENT Section Moderator: Jeffrey Yao, MD |
| 3:42 | Debate: The Scapholunate Ligament Tear Rears Its Ugly Head: A Chronic, Reducible Lesion In A 40-Year-Old Vascular Surgeon Debate Moderator: Jeffrey Yao, MD |
| 3:42 | Pro: A Simple Way To Reconstruct With New Technology - Watch Me! Steven J. Lee, MD |
| 3:48 | Pro: Too Late, Salvage Procedure Is The Only Way To Predict No More Pain Marco Rizzo, MD |
| 3:54 | THE WRIST: MY SALVAGE PROCEDURE OF CHOICE Section Moderator: Melvin P. Rosenwasser, MD |
| 3:54 | Debate: 42-Year-Old Mechanic Failed Arthroscopic Debridement of The Wrist With Pain & Limited Motion - What I Do Now Debate Moderator: David S. Ruch, MD |
| 3:54 | Pro: Wrist Fusion & Back To Work Thomas B. Hughes Jr., MD |
| 4:00 | Pro: Wrist Arthroplasty & Here Are My Results Brian D. Adams, MD |
| 4:06 | BREAK & VISIT THE EXHIBITS |
| 4:36 | A POTPOURRI OF COMMON HAND & WRIST PROBLEMS Section Moderator: William B. Geissler, MD |
| 4:36 | THE PIP JOINT: FRACTURE DISLOCATIONS & OSTEOARTHRITIS Section Moderator: William B. Geissler, MD |
| 4:36 | Panel: 60-Year-Old Guitarist With 6-Week-Old PIP Volar Lip Fracture Subluxation: Battle Of The Marc, Tom & Marco Panel Moderator: Julie E. Adams, MD |
| 4:36 | Pro: Not Too Late, Open Reduction With Internal Fixation Marc J. Richard, MD |
| 4:42 | Pro: Too Late Marc! You Need To Use A Hemi-Hamate Thomas B. Hughes Jr., MD |
| 4:48 | Pro: All Wrong! Just In Time For A Joint Arthroplasty Mark S. Rekant, MD |
| 4:54 | Pro: My Colleagues Have Not Been Reading The Books: Fuse The Joint & She Will Do Just Fine Marco Rizzo, MD |

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| 5:00 | Debate: 44-Year-Old Transcriptionist (Yes, They Still Exist) With Painful Osteoarthritis Of The PIP Of The Small Finger, Dominant Hand Debate Moderator: Melvin P. Rosenwasser, MD |
| 5:00 | Pro: Arthroplasty With Silicone: I Am Not Changing Jeffrey Yao, MD |
| 5:06 | Pro: Arthrodesis: Have You Not Learned Anything At This Point Peter J. Stern, MD |
| 5:12 | Rebuttal Jeffrey Yao, MD Peter J. Stern, MD |
| 5:16 | TRAUMA OF THE THUMB Section Moderator: Mark S. Rekant, MD |
| 5:16 | Debate: 17-Year-Old Skier Has A Dominant Thumb UCL Grade II Tear With No Stener Lesion Wanting To Return To The Slopes For The All High School Competition Mid-Season - A Battle Of The Adams Debate Moderator: Jeffrey Yao, MD |
| 5:16 | Pro: He Will Heal In A Splint And Can Ski Immediately Brian D. Adams, MD |
| 5:21 | Pro: This Is His Shot At A Scholarship: Fix It, He Will Return Towards The End Of The Ski Season Julie E. Adams, MD |
| 5:26 | Rebuttal Brian D. Adams, MD Julie E. Adams, MD |
| 5:30 | DUPUYTREN'S DISEASE & THE HAND Section Moderator: Julie E. Adams, MD |
| 5:30 | Panel: Dupuytren's Disease In 2021 Panel Moderator: David S. Ruch, MD |
| 5:30 | Pro: Percutaneous Fasciectomy Is Not Dangerous & Works: When & How To Do It Safely William B. Geissler, MD |
| 5:36 | Pro: Don't Be Nuts: Open Fasciectomy Has Been & Is The Gold Standard Stephen S. Shin, MD |
| 5:42 | Pro: Stop Sleeping: Collagenase Clostridium Histolyticum Is Another Way To Treat Patients In My Office In 2021: Patient Selection Is Key Mark S. Rekant, MD |
| 5:48 | Pro: Recurrent Dupuytren's After In Office Injections: What I Do Next Melvin P. Rosenwasser, MD |
| 5:54 | Wrap Up & Summary: What I Learned Over The Last 2 Days - My 1-Minute Take Home Point Jesse B. Jupiter, MD Bernard F. Morrey, MD Jorge L. Orbay, MD A. Lee Osterman, MD Melvin P. Rosenwasser, MD Peter J. Stern, MD |
| 6:00 | Join The Evening Spotlights Please See Pages 82 For Details |
| 7:15 | Join Us Chair Reception |

JOIN US

Chair Reception
Sunday, December 12th
7:15PM – 8:45PM | Exhibit Hall

SPINE • RENOIR 1, 2

Spine Co-Chairs
 Marc J. Levine, MD
 Isador H. Lieberman, MD, MBA, FRSC(C)
 Vinko Zlomislic, MD

Honored Professors
 Rex A.W. Marco, MD
 David W. Polly, Jr., MD
 Suken A. Shah, MD

Distinguished Professor:
 Steven R. Garfin, MD
 James D. Kang, MD

6:50 WELCOME & INTRODUCTION
 Joseph A. Abboud, MD
 Brian D. Busconi, MD
 Stephanie C. Petterson, MPT, PhD
 Ronald A. Navarro, MD
 Allston J. Stubbs, MD, MBA

6:55 WELCOME & INTRODUCTION
 Marc J. Levine, MD
 Isador H. Lieberman, MD, MBA, FRSC(C)
 Vinko Zlomislic, MD

7:00 INTERBODY FOR L4-5 DEGENERATIVE SPONDYLOLISTHESIS WITH NEUROGENIC CLAUDICATION ABOVE L5-S1
 Section Moderator: Isador H. Lieberman, MD, MBA, FRSC(C)

7:00 ALIF: Only With Or Without Plate
 Colin B. Harris, MD

7:05 XLIF: Only Lateral With Or Without Plate
 Vinko Zlomislic, MD

7:10 OLIF: No Posterior Instrumentation
 Colin B. Harris, MD

7:15 TLIF
 Michael W. Groff, MD

7:20 Open
 David W. Polly, Jr., MD

7:25 ALIF 360
 Sigurd H. Berven, MD

7:30 XLIF 360
 Marc J. Levine, MD

7:35 OLIF 360
 Rex A.W. Marco, MD

7:40 The Modern Era: The Awake TLIF
 Praveen Mummaneni, MD

7:50 AXIAL BACK PAIN FOLLOWING PREVIOUS RADICULOPATHY
 Section Moderator: Michael W. Groff, MD

7:50 Panel: 51-Year-Old Weekend Warrior BMI 33 With Axial Back Pain Following 3 Months Ago Radiculopathy Now Resolved, Laying On The Couch Frustrated: Dare We Say Surgery?
 Panel Moderator: Marc J. Levine, MD

7:50 Pro: I Am For Alternative Non-Surgical Treatment: PMR, Steroids & Pain Medicine - It Will Do The Trick
 Sheena Bhuya, MD

7:56 Pro: Stem Cell Magic: What Really Works
 Gaetano J. Scuderi, MD

8:02 Pro: A Serious Discussion: It Is Time For The Fusion
 James D. Kang, MD

8:08 Pro: It Is 2021, Hop On Board! Time For The Disc Replacement
 Harvey E. Smith, MD

8:14 LESSONS LEARNED FROM OUR HONORED & DISTINGUISHED PROFESSORS
 Section Moderator: Jens R. Chapman, MD

8:14 Distinguished Professor Lecture: What I Have Learned About Cervical Spine Surgery From The World
 John G. Heller, MD

8:29 Honored Professor Lecture: My Experience With Junctional Kyphosis: What I Have Learned
 David W. Polly, Jr., MD

8:44 Debate: Thoracolumbar Burst Fractures: To Operate Or Not To Operate - The Discussion Never Gets Too Old
 Debate Moderator: Jens R. Chapman, MD

8:44 Pro: I Operate Most Of The Time & Here Is Why
 Steven C. Ludwig, MD

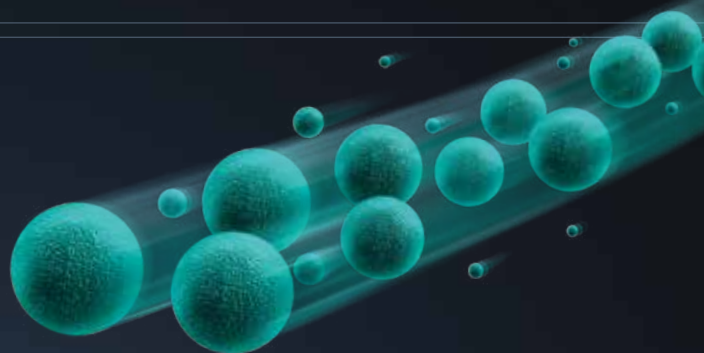
8:52 Pro: How Do You Sleep At Night? No Surgery, Sometimes Watch & See
 Vinko Zlomislic, MD

9:00 Clinical Case Presentations With Questions & Answers: Rapid Fire Answers, Putting The Faculty On The Spot
 Case Panel Moderators: Christopher Ames, MD
 Colin B. Harris, MD

Case Panel: Sigurd H. Berven, MD
 Jens R. Chapman, MD
 Michael W. Groff, MD
 James D. Kang, MD
 Isador H. Lieberman, MD, MBA, FRSC(C)
 Steven C. Ludwig, MD
 Rex A.W. Marco, MD
 Harvey Smith, MD
 Gaetano J. Scuderi, MD

9:30 BREAK & VISIT THE EXHIBITS

Visit Booth #304



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October 2021. Z-01476v2

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SPINE • RENOIR 1, 2

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| 10:10 | CERVICAL TRAUMA: NEVER TOO OLD TO LEARN NEW TRICKS <i>Section Moderator: James D. Kang, MD</i> |
| 10:10 | Cervical Stenosis In The Competitive Athlete: What I Recommend <i>Michael W. Groff, MD</i> |
| 10:18 | Revision Surgery Of The Post Traumatic Cervical Kyphotic Neck: What I Have Learned <i>John G. Heller, MD</i> |
| 10:26 | Central Cord Syndrome: Current Surgical Considerations & My Algorithm <i>Gaetano J. Scuderi, MD</i> |
| 10:34 | Cervical Spine Injuries: When I Proceed To The Operating Room If Comorbidities Exist <i>Jens R. Chapman, MD</i> |
| 10:42 | THE LITERATURE IS NOT CLEAR, NEITHER ARE MY COLLEAGUES <i>Section Moderator: Colin B. Harris, MD</i> |
| 10:42 | Time For Surgery: When I Stop Preop The Anticoagulant & When I Restart - Do You Agree With Me? <i>Marc J. Levine, MD</i> |
| 10:48 | Time For Surgery: Obesity & A1C Risks - Do You Agree With Me? <i>Colin B. Harris, MD</i> |
| 10:54 | Time For Surgery: Antibiotic Powders & Irrigations - What I Use - Do You Agree With Me? <i>Burt B. Yaszay, MD</i> |
| 11:00 | Planning For Surgery: EMG/NCS - It's Yield Cost-Benefit Ratio - Do You Agree With Me? <i>Sheena Bhuvu, MD</i> |
| 11:06 | ATRAUMATIC CERVICAL MYELOPATHY: WHAT ARE THE OPTIONS? <i>Section Moderator: Christopher Ames, MD</i> |
| | <i>Alternate: David W. Polly, Jr., MD</i> |
| 11:06 | Panel: 62-Year-Old D1 Football Coach With Atraumatic Cervical Myelopathy: What Are The Options? <i>Panel Moderator: Marc J. Levine, MD</i> |
| 11:06 | Pro: Posterior Pedicle Screws Are They Way To Go - Laminectomy <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i> |
| 11:13 | Pro: You're Wrong: Anterior Surgery Is The Way To Go <i>Michael W. Groff, MD</i> |
| 11:20 | Pro: You're Both Wrong: Posterior Surgery Is The Way To Go - Laminoplasty <i>John G. Heller, MD</i> |

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| 11:27 | Clinical Case Presentations With Questions & Answers: Rapid Fire Answers, Putting The Faculty On The Spot: Cervical Trauma, Destroying Dogma & Cervical Myelopathy <i>Case Panel Moderators: Steven R. Garfin, MD John G. Heller, MD</i> <i>Case Panel: Christopher Ames, MD Sheena Bhuvu, MD Jens R. Chapman, MD Michael W. Groff, MD James D. Kang, MD Isador H. Lieberman, MD, MBA, FRSC(C) David W. Polly, Jr., MD Andrew K. Simpson, MD, MBA, MHS Burt B. Yaszay, MD</i> |
| 12:00 | Non-CME Lunch Spotlight Session <i>Please See Pages 81 For Details</i> Lunch Served In Room |
| 1:30 | DESSERT & VISIT THE EXHIBITS |
| 2:00 | THE ADULT & PEDIATRIC ATHLETE'S SPINE & DEFORMITY <i>Section Moderator: Suken A. Shah, MD</i> |
| 2:00 | Debate: 17-Year-Old Linebacker With Type 2 Odontoid Fracture: Operate Or Not Operate & Do They Play Again <i>Debate Moderator: Suken A. Shah, MD</i> |
| 2:00 | Pro: My First Choice Is To Operate When I Can <i>Michael W. Groff, MD</i> |
| 2:05 | Pro: Nonoperative Treatment Is The Way To Go: Let Me Tell You Why <i>Burt B. Yaszay, MD</i> |
| 2:10 | Commentary: Cervical Three-Column Osteotomy: Experience In 100 Cases For The Odontoid Fracture <i>Christopher Ames, MD</i> |
| 2:17 | Debate: 16-Year-Old High School Football Right Guard Knocked To The Ground & Has Pain In His Back: Never Told His Parents, It Has Been Going On All Season, But Now It Is Too Painful <i>Debate Moderator: Sigurd H. Berven, MD</i> |
| 2:17 | Pro: Nonoperative Management Of Adolescent Spondylolysis: An Epidemic That Needs To Be Discussed <i>Suken A. Shah, MD</i> |
| 2:22 | Pro: Operative Management of Adolescent Spondylolysis <i>Burt B. Yaszay, MD</i> |
| 2:27 | Honored Professor Lecture: Surgical Management of AIS: A Look Back & A Look Forward <i>Suken A. Shah, MD</i> |
| 2:39 | Distinguished Professor Lecture: Are We Going Too Long? Time To Reflect On What We Have Been Doing <i>James D. Kang, MD</i> |

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| 2:51 | <p>Debate: 47-Year-Old Female With A Long Standing Degenerative Deformity, Angle Unknown With Pain But No Respiratory Issues</p> <p>Debate Moderator: Marc J. Levine, MD</p> <p>2:51 Pro: The Cost Justifies The Outcome Sigurd H. Berven, MD</p> <p>2:56 Pro: The Cost Does Not Justify The Outcome Steven C. Ludwig, MD</p> |
| 3:01 | <p>Clinical Case Presentations With Questions & Answers: Rapid Fire Answers, Putting The Faculty On The Spot: Adult & Pediatric Deformity, Spondylolysis, Athletic Injuries</p> <p>Case Panel Moderators: David W. Polly, Jr., MD Suken A. Shah, MD</p> <p>Case Panel: Christopher Ames, MD Sigurd H. Berven, MD Jens R. Chapman, MD Michael W. Groff, MD James D. Kang, MD Steven C. Ludwig, MD Burt B. Yaszay, MD</p> |
| 3:28 | <p>MASTER'S CORNER: DIFFICULT CASES, TIME TO SHARE, THINGS I HAVE LEARNED</p> <p>Section Moderator: Steven R. Garfin, MD</p> |
| 3:28 | <p>Tumors & What I Have Learned Rex A.W. Marco, MD</p> |
| 3:35 | <p>Infection & What I Have Learned Isador H. Lieberman, MD, MBA, FRSC(C)</p> |
| 3:42 | <p>Failed Hardware & How I Remedy Sigurd H. Berven, MD</p> |
| 3:49 | <p>Congenital Deformity & How I Make Them Better: My Approach To The Pediatric Patient Suken A. Shah, MD</p> |
| 3:56 | <p>Congenital Deformity & What I Have Learned: My Approach To The Adult Patient David W. Polly, Jr., MD</p> |
| 4:03 | <p>The Traumatic Cervical Spine Injury: Some Sage Advice Jens R. Chapman, MD</p> |
| 4:10 | <p>BREAK & VISIT THE EXHIBITS</p> |

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| 4:40 | <p>THE FUTURE OF SPINE SURGERY</p> <p>Section Moderator: Marc J. Levine, MD</p> |
| 4:40 | <p>Endoscopic Lumbar Spine Surgery Andrew K. Simpson, MD, MBA, MHS</p> |
| 4:48 | <p>Artificial Intelligence In Spine Surgery Christopher Ames, MD</p> |
| 4:56 | <p>Distinguished Professor Lecture: From Surgeon To Dean: Where Education & Spine Surgery Are Going Steven R. Garfin, MD</p> |
| 5:06 | <p>Honored Professor Lecture: My Road As A Spine Surgeon Rex A.W. Marco, MD</p> |
| 5:16 | <p>Outpatient Robotic Lumbar Fusions Richard V. Chua, MD</p> |
| 5:23 | <p>Why I Use Spinal Navigation To Reduce Radiation Exposure To Myself & My Colleagues Sharad Rajpal, MD</p> |
| 5:30 | <p>My Persepectives On MIS Deformity Surgery Praveen Mummaneni, MD</p> |
| 5:37 | <p>Initial Results Of The Premia TOPS (Facet Replacement) Study: Motion Preservation In Spine Surgery Roland S. Kent, MD</p> |
| 5:44 | <p>Optical Tracking Navigation Iain Kalfis, MD</p> |
| 5:51 | <p>Wrap Up & Summary: What I Learned Today That I Am Going To Change In My Practice Marc J. Levine, MD Isador H. Lieberman, MD, MBA, FRSC(C) Vinko Zlomislic, MD</p> |
| 6:00 | <p>End Of Spine Program</p> |

Evaluating The SI joint As Part Of The Hip/SI/Spine Syndrome - SI-BONE
 6:00PM – 7:00PM | Grand Ballroom 3 & 6
 Hors D'oeuvres & Libations
 See Page 81 For Details

JOIN US

Chair Reception
Sunday, December 12th

7:15 PM–8:45 PM

Exhibit Hall

The OSET Board and entire faculty welcome all **Course Attendees and your guests** to the Chair's Reception. The Chair'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!**

All course attendees & guests must be full vaccinated, have a negative PCR test within 72 hours of arrival to the meeting and have a negative antigen test within 4 hours of chair reception. (Testing provided by OSET.)

ORTHOPAEDIC REHAB • CEZANNE 1, 2

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| <p>Orthopaedic Rehabilitation Co-Chairs Charles A. Thigpen, PT, PhD, ATC Michael L. Voight, DHSc, PT, OCS, SCS, ATC Kevin E. Wilk, PT, DPT, FAPTA</p> | |
| 7:00 | <p>WELCOME & INTRODUCTION Joseph A. Abboud, MD Brian D. Busconi, MD Ronald A. Navarro, MD Stephanie C. Petterson, MPT, PhD Allston J. Stubbs, MD, MBA</p> |
| 7:05 | <p>WELCOME & INTRODUCTION Charles A. Thigpen, PT, PhD, ATC Michael L. Voight, DHSc, PT, OCS, SCS, ATC Kevin E. Wilk, PT, DPT, FAPTA</p> |
| <p>7:09 OPTIMAL STRATEGIES IN SPINE REHABILITATION Section Moderator: Joseph Godges, DPT, MA, OCS</p> | |
| 7:09 | <p>Understanding & Making The Correct Cervical Spine Diagnosis: It Always Leads To A Good Outcome - All My Hints Seth Peterson, PT, DPT, OCS, CSCS, FAAOMPT</p> |
| 7:16 | <p>Panel: 55-Year-Old Peloton Enthusiast With Unremitting Spine Pain Now Seeks Advice From Her Physical Therapist & Surgeon Panel Moderator: Lori Michener, PT, ATC, PhD</p> |
| 7:16 | <p>Pro: The Therapist's Point Of View: When To Treat, When To Refer - 5 Clinical Pillars From The Evidence Thomas Denninger, DPT, OCS, FAAOMPT</p> |
| 7:23 | <p>Pro: The Surgeon's Point Of View: When To Stop Rehab & Perform Surgery Andrew K. Simpson, MD, MBA, MHS</p> |
| 7:30 | <p>Pro: The Principles For Optimizing Spine Rehab: Emerging Evidence From Pain Science Seth Peterson, PT, DPT, OCS, CSCS, FAAOMPT</p> |
| 7:37 | <p>The Role Of Opioids & Managing Pain After Spine Surgery In 2021 Joseph Godges, DPT, MA, OCS</p> |
| 7:44 | <p>Clinical Case Presentations With Questions & Answers: Solving The Complicated Shoulder & Neck Pain Case Panel Moderator: Thomas Denninger, DPT, OCS, FAAOMPT Case Panel: Jens R. Chapman, MD Joseph Godges, DPT, MA, OCS John G. Heller, MD Lori Michener, PT, ATC, PhD Seth Peterson, PT, DPT, OCS, CSCS, FAAOMPT Andrew K. Simpson, MD, MBA, MHS</p> |
| <p>8:04 REHABBING THE MIDDLE-AGED AGING ATHLETE: THE HIDDEN CARTILAGE LESION, THE DREADED PATELLA, & THE ROLE OF ORTHOBIOLGICS Section Moderator: Timothy F. Tyler, MS, PT, ATC</p> | |
| 8:04 | <p>Feature Lecture: Orthobiologics: The Medical Wild West Or A Real Solution Nicholas A. Sgaglione, MD</p> |

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| 8:14 | <p>Rehabilitation Following Orthobiologics In The Lower Extremity: Sharing My Secrets Michael L. Voight, DHSc, PT, OCS, SCS, ATC</p> |
| 8:21 | <p>Postsurgical Repair Of The Medial & Lateral Meniscus: Early Vs. Delayed Weight-Bearing, No Brace, Brace Locked Or Unlocked, With Or Without Crutches - A Therapist's Point Of View Anil Bhave, PT</p> |
| 8:28 | <p>Feature Lecture: Performing A Patellofemoral Alignment Procedure: Getting It Right the First Time Adam B. Yanke, MD, PhD</p> |
| 8:35 | <p>Panel: 47-Year-Old Paddle Tennis Country Club Champ Falls In His Home Playing Frisbee With His 7-Year-Old Daughter Injuring His Knee With Instantaneous Swelling, MRI Shows A 1.99-cm² Articular Cartilage Lesion On The Medial Femoral Condyle Panel Moderator: Lori Michener, PT, ATC, PhD</p> |
| 8:35 | <p>Pro: Nonoperative Management Will Resolve His Symptoms: Let Me Show You My Tricks Joseph Godges, DPT, MA, OCS</p> |
| 8:42 | <p>Pro: Time For Surgical Management Of This Lesion To Bring Him 40 More Years Of No Problems: Let Me Show You My Algorithm For Management Of Articular Cartilage Injuries With Normal Alignment Rachel M. Frank, MD</p> |
| 8:49 | <p>Pro: Postoperative Rehabilitation Must Be Individualized After Restorative Knee Cartilage Procedures: Let Me Show You My Secrets Russell M. Paine, PT</p> |
| 8:56 | <p>The Degenerative Knee: The Role of Patient Preferences & Beliefs - What The Evidence Has Taught Me Elizabeth Wellsandt, PT, DPT, PhD, OCS</p> |
| 9:03 | <p>The Middle-Aged Athlete: All My Tricks To Keeping Him Active On The Weekend & Feeling Young - Let Me Share Over 25 Years Of Experience Timothy F. Tyler, MS, PT, ATC</p> |
| 9:10 | <p>Clinical Case Presentations With Questions & Answers: Cartilage Lesions From 2.0-6.0-cm² Patellofemoral, Bucket Handle Lateral Meniscus & Meniscus Root Tears & Rehab Programs, Osteoarthritis Of The Knee & Non-Arthroplasty Solutions Case Panel Moderator: Timothy F. Tyler, MS, PT, ATC Case Panel: Anil Bhave, PT Jason L. Drago, MD Rachel M. Frank, MD Joseph Godges, DPT, MA, OCS Russell M. Paine, PT Michael L. Voight, DHSc, PT, OCS, SCS, ATC Elizabeth Wellsandt, PT, DPT, PhD, OCS Adam B. Yanke, MD, PhD</p> |
| 9:30 | <p>BREAK & VISIT THE EXHIBITS</p> |

ORTHOPAEDIC REHAB • CEZANNE 1, 2

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| 10:10 | THE MIDDLE-AGED ATHLETE: THE DREADED ACHILLES TENDON TEAR Section Moderator: Michael L. Voight, DHSc, PT, OCS, SCS, ATC |
| 10:10 | Debate: The 47-Year-Old CEO & Recreational Basketball Player During His Lunch Break Hears The Dreaded Pop In The Back Of His Heel & Goes Down Debate Moderator: Charles A. Thigpen, PT, PhD, ATC 10:10 Pro: Nonoperative Works! Let Me Explain, Get Out Of My Way Mark A. Glazebrook, MSc, PhD, MD, FRCS(C), PhD 10:15 Pro: Don't Be Silly, Fix The Achilles & Move On Jason L. Dragoo, MD |
| 10:20 | THE MIDDLE-AGED ATHLETE: TIME FOR THE TOTAL JOINT ARTHROPLASTY Section Moderator: Joseph Godges, DPT, MA, OCS |
| 10:20 | Total Hip Arthroplasty: My Rehab Program That Gets Her Back To Sport George J. Davies, DPT, ATC, CSCS |
| 10:27 | Feature Lecture: Total Knee Arthroplasty: What's New? Cones, Long Stems, Cementless - Listen Up! Michael P. Ast, MD |
| 10:42 | Feature Lecture: The Uni Knee: When I Do It, Why I Do It, The Rehab Program - Why It's Not A Total Knee Michael J. Kaplan, MD |
| 10:52 | Total Knee Arthroplasty: My Rehab Program That Gets Him Back To Sport Russell M. Paine, PT |
| 10:59 | The New Age Digital Rehabilitation Program: Telehealth Following Total Knee - Does It Work? Charles A. Thigpen, PT, PhD, ATC |
| 11:06 | Feature Lecture: Total Shoulder Arthroplasty: A Surgeon's Perspective - What I Tell My Physical Therapist John E. Kuhn, MD |
| 11:13 | Total Shoulder Arthroplasty: My Rehab Program That Gets Me Back To Sport Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS |
| 11:20 | Feature Lecture: Shoulder Arthroplasty In The Aging Athlete: Setting Expectations And Optimizing Success Peter B. MacDonald, MD, BSc, LMCC, FRCS |

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| 11:35 | Clinical Case Presentations With Questions & Answers: The Middle-Aged Athlete: Chronic Achilles Tear, Rehab Programs To Avoid Complications In Hip, Knee, Uni, Shoulder Arthroplasty Case Panel Moderators: George J. Davies, DPT, ATC, CSCS Charles A. Thigpen, PT, PhD, ATC Case Panel: Jason L. Dragoo, MD Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS Mark A. Glazebrook, MSc, PhD, MD, FRCS(C), PhD Joseph Godges, DPT, MA, OCS Peter B. MacDonald, MD, BSc, LMCC, FRCS Russell M. Paine, PT |
| 12:00 | Lunchtime Symposia I: Knee Preservation Through Cartilage Restoration Please See Pages 81 For Details Move to Bellagio Ballroom 2, 4, 6, 7 Lunch Served In Room |
| 12:30 | Lunchtime Symposia II: Keys To Clavicle Fractures: Latest Techniques, Treatment Plans, & Implant Options Please See Pages 81 For Details Move to Bellagio Ballroom 2, 4, 6, 7 Lunch Served In Room |
| 1:00 | Lunchtime Symposia III: What If Postop Pain Didn't Exist? Please See Pages 81 For Details Move to Bellagio Ballroom 2, 4, 6, 7 Lunch Served In Room |
| 1:30 | DESSERT & VISIT THE EXHIBITS |
| 2:00 | Feature Lecture: Detecting Arthroplasty Infections & Complications With The MRI: Its 'Mavric' Not 'Maverick' Hollis G. Potter, MD |
| 2:15 | STRATEGIES FOR SUCCESSFUL REHABILITATION OF ROTATOR CUFF INJURIES Section Moderator: George J. Davies, DPT, ATC, CSCS |
| 2:15 | The Physical Exam Of The Shoulder: Formulating A Differential Diagnosis Matters Joseph Godges, DPT, MA, OCS |
| 2:22 | Feature Lecture: My Algorithm For The Patient With A Medium-Sized Rotator Cuff Tear John E. Kuhn, MD |
| 2:29 | The Non-Retracted, Full-Thickness Rotator Cuff Tear: Who Responds To Therapy & Who Should Be Considered For Surgery? Lori Michener, PT, ATC, PhD |

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ORTHOPAEDIC REHAB • CEZANNE 1, 2

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| 2:36 | The Massive Rotator Cuff Tear: My Rehab Tricks To Restore Forward Elevation <i>Amee L. Seitz, PT, DPT, PhD</i> |
| 2:43 | Feature Lecture: Patches and Grafts Oh My: When I Augment The Repair & What I Tell My Physical Therapist <i>Dan Guttmann, MD</i> |
| 2:50 | Panel: 65-Year-Old Postal Worker Falls On Ice, Needs To Return Back To Work, Now Has Pain & Limited Motion <i>Panel Moderator: Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 2:50 | Pro: Fast Or Slow: I Can Solve The Puzzle For Postop Rotator Cuff Rehabilitation <i>Charles A. Thigpen, PT, PhD, ATC</i> |
| 2:57 | Pro: Pain & Stiffness Following Rotator Cuff Repair: I Know What To Do Now <i>Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS</i> |
| 3:04 | Pro: The Shoulder Is Frozen: I Know The Remedy - Listen Up! <i>Amee L. Seitz, PT, DPT, PhD</i> |
| 3:11 | Case Presentations with Questions & Answers: Complications & Complicated Rotator Cuff Repairs: Rehab For The Revision Rotator Cuff, Smokers, Diabetics & The Massive Rotator Cuff Tears & Superior Capsular Reconstruction, Guidelines For Return To Work & Overhead Activities <i>Case Panel Moderator: Charles A. Thigpen, PT, PhD, ATC</i> <i>Case Panel: George J. Davies, DPT, ATC, CSCS</i> <i>Joseph Godges, DPT, MA, OCS</i> <i>Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS</i> <i>Dan Guttmann, MD</i> <i>John E. Kuhn, MD</i> <i>Lori Michener, PT, ATC, PhD</i> <i>Amee L. Seitz, PT, DPT, PhD</i> <i>Ellen Shanley, PhD, PT, OCS</i> <i>Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 3:35 | SURGERY & REHABILITATION FOR ANTERIOR SHOULDER INSTABILITY <i>Section Moderator: Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 3:35 | Panel: Shoulder Instability: 18-Year-Old D1 Football Safety With A First Time, In-Season Anterior Dislocation With No Bone Loss <i>Panel Moderator: Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS</i> |
| 3:35 | Pro: Fix it Now: My Indications For Surgery In This Patient <i>Raffy Mirzayan, MD</i> |
| 3:42 | Pro: Nonoperative Treatment Will Do Just Fine <i>Ellen Shanley, PhD, PT, OCS</i> |
| 3:49 | Pro: Facts: The Performance On The Field After Nonop Versus Surgery For Anterior Shoulder Instability & No Bone Loss <i>Kevin E. Wilk, PT, DPT, FAPTA</i> |

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| 3:56 | Feature Lecture: OMG! Where Did The Bone Go & My Shoulder Is Unstable: My Algorithm & Choice Of Operation <i>Wasik Ashraf, DO</i> |
| 4:03 | Matching Rehabilitation To Match The Surgery: My Differences In Rehab For Latarjet, Open Or Arthroscopic Bankart Repairs <i>Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS</i> |
| 4:10 | BREAK & VISIT THE EXHIBITS |
| 4:40 | THE OVERHEAD ATHLETE: PREVENTION & REHABILITATION SECRETS REVEALED <i>Section Moderator: Ellen Shanley, PhD, PT, OCS</i> |
| 4:40 | Evolving Technique Update: The Professional Tennis Player: What I Have Learned In Participating With The ATP Tour For Over 20 Years <i>Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS</i> |
| 4:45 | Feature Lecture: Tommy John in 2021: Here's How I Get Pitchers Back On The Mound <i>Michael T. Freehill, MD, FAOA</i> |
| 4:55 | Debate: 21-Year-Old Baseball Pitcher With Chronic Posterior Shoulder Ache With Stiffness & Has Lost Throwing Velocity <i>Debate Moderator: Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i> |
| 4:55 | Pro: Let Me Examine The Patient, GIRD Is Self-Evident, Let Me Teach You My Tricks <i>Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS</i> |
| 5:00 | Pro: Let Me Examine The Patient, GIRD Doesn't Matter, Let Me Teach You My Tricks <i>Ellen Shanley, PhD, PT, OCS</i> |
| 5:05 | Evolving Technique Update: The Stiff Overhead Athlete: I Know How To Get Him Back Throwing On The Mound <i>Sue Falsone, PT, MS, SCS, ATC, CSCS, COMT</i> |
| 5:10 | Feature Lecture: My Postoperative Rehab Program For The Throwing Athlete: What I've Learned In 37 Years <i>Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 5:20 | Evolving Technique Update: What We Have Learned From The Lab About The Role Of The Lower Extremity & Trunk In Preventing Arm Injuries <i>Lori Michener, PT, ATC, PhD</i> |
| 5:25 | Feature Lecture: The Return To Sport For The Overhead Athlete: Not So Simple <i>George J. Davies, DPT, ATC, CSCS</i> |



ORTHOPAEDIC REHAB • CEZANNE 1, 2

5:35 **Clinical Case Presentations With Questions & Answers: Complications & Return To Sport For Anterior Shoulder Instability & The Overhead Thrower**
*Case Panel Moderators: Ellen Shanley, PhD, PT, OCS
 Kevin E. Wilk, PT, DPT, FAPTA*
*Case Panel: Wasik Ashraf, DO
 George J. Davies, DPT, ATC, CSCS
 Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS
 Sue Falsone, PT, MS, SCS, ATC, CSCS, COMT
 Michael T. Freehill, MD, FAOA
 Spero Karas, MD
 Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS
 Lori Michener, PT, ATC, PhD
 Raffy Mirzayan, MD*

6:00 **End Of Ortho Rehab Day 1**

Join Us! Evening Spotlights
6:00PM – 7:00PM
Hors D'oeuvres & Libations
 See Page 82 For Details



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ADVANCED PRACTICE PROVIDER •
 VAN GOUGH 1, 2

*Advanced Practice Provider Chair
 Karen Yancopoulos, MSN, FNP-C*

*Advanced Practice Provider Vice Chair
 Kevin Shinsako, PA-C*

*Distinguished Professors
 Kim Curry, PhD, FNP, FAANP
 Sophia L. Thomas, DNP, APRN, FNP-BC, PPCNP-BC,
 FNAP, FAANP*

7:00 WELCOME & INTRODUCTION

*Kevin Shinsako, PA-C
 Karen Yancopoulos, MSN, FNP-C*

7:05 EMPOWERING THE ADVANCED PRACTICE PROVIDER: PART II

Section Moderator: Kevin Shinsako, PA-C

7:05 My COVID Deployment: You Want Me To Do What?

Veronica Suarez, PA-C

7:20 THE SHOULDER FROM A TO Z

*Section Moderators: Kevin Shinsako, PA-C
 Sophia L. Thomas, DNP,
 APRN, FNP-BC, PPCNP-BC,
 FNAP, FAANP*

7:20 Changing From ATC To Physician Assistant: A Personal Decision Using All My Skills

Greg Granato, PA-C

7:32 Advanced Skills For The APP: How and Why You Might Consider Being A Surgical Assist

Kevin Shinsako, PA-C

7:42 Ultrasound For The Shoulder: What Can I See?

Jamie Bie, RMSKS, RVT, RDMS

8:02 How To Read The Shoulder MRI: A Primer For Success

Hollis G. Potter, MD

8:22 The Physical Exam: Is It Cuff, Labrum Or Biceps: Let Me Teach You My Secrets

Lawrence V. Gulotta, MD

8:35 Billing Secrets For The Painful Shoulder: It's Not So Painful

Joseph A. Abboud, MD

8:50 Clinical Case Presentations With Questions & Answers: Rotator Cuff, SLAP, OA: Making The Correct Diagnosis

Case Panel Moderator: Karen Yancopoulos, MSN, FNP-C

*Case Panel: Jamie Bie, RMSKS, RVT, RDMS
 Greg Chertok, EdM, CMPC
 Kim Curry, PhD, FNP, FAANP
 Greg Granato, PA-C
 Lawrence V. Gulotta, MD
 Kevin Shinsako, PA-C
 Veronica Suarez, PA-C
 Sophia L. Thomas, DNP, APRN, FNP-BC,
 PPCNP-BC, FNAP, FAANP*

9:30 BREAK & VISIT THE EXHIBITS

ADVANCED PRACTICE PROVIDER • VAN GOUGH 1, 2

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| 10:10 | Shoulder Dysfunction: When To Refer To The Surgeon - 5 Keys In The Decision Making <i>Joseph A. Abboud, MD</i> |
| 10:25 | Rehab The Shoulder: All My Secrets Divulged & Return To Play <i>Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 10:45 | THE PSYCHOLOGICAL ASPECTS OF HEALTHCARE & EMPOWERING ATHLETES |
| 10:45 | The Other Side Of Sports Injury: What about my psyche? <i>Karen Yancopoulos, MSN, FNP-C</i> |
| 11:00 | Dealing With Injury & Being On The Sidelines: How To Grow <i>Greg Chertok, EdM, CMPC</i> |
| 11:20 | Increasing Outcomes Through Mindfulness: A Patient's Journey <i>Cory Anderson, BGS</i> |
| 11:40 | Panel Discussion With Questions & Answers <i>Moderator: Karen Yancopoulos, MSN, FNP-C</i> <i>Panel: Cory Anderson, BGS</i> <i>Greg Chertok, EdM, CMPC</i> <i>Kim Curry, PhD, FNP, FAANP</i> <i>Sophia L. Thomas, DNP, APRN, FNP-BC, PPCNP-BC, FNAP, FAANP</i> |
| 12:00 | Lunchtime Symposia I: An Exploration Of Innovation, Outpatient Surgery & Optimizing Outcomes For Reimbursement (Arthroplasty) <i>The Executive Committee</i> <i>Please See Pages 81-83 For Details</i> |
| 12:30 | Lunchtime Symposia II: An Exploration Of Innovation, Outpatient Surgery & Optimizing Outcomes For Reimbursement (Arthroplasty & Sports) <i>The Executive Committee</i> <i>Please See Pages 81-83 For Details</i> |
| 1:00 | Lunchtime Symposia III: An Exploration Of Innovation, Outpatient Surgery & Optimizing Outcomes For Reimbursement (Sports) <i>The Executive Committee</i> <i>Please See Pages 81-83 For Details</i> |
| 1:30 | DESSERT & VISIT THE EXHIBITS |
| 2:00 | Fracture Workshop: Casting For The Common Upper & Lower Extremity Problems <i>Niloofer Dehghan, MD, MSc, FRCSC</i> <i>Frank A. Liporace, MD</i> |
| 4:00 | End of Advanced Practice Provider Session |

KNEE ARTHROPLASTY • GRAND BALLROOM 3, 6

Knee Arthroplasty Chair
Amar S. Ranawat, MD

Distinguished Professor
Stephen E. Graves, MD, DPhil (oxon)

International Honored Professor
Thorston Gehrke, MD, PhD

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| 12:00 | Lunchtime Symposia I: Knee Preservation Through Cartilage Restoration <i>Please See Pages 81 For Details</i> <i>Move to Bellagio Ballroom 2, 4, 6, 7</i> <i>Lunch Served In Room</i> |
| 12:30 | Lunchtime Symposia II: Keys To Clavicle Fractures: Latest Techniques, Treatment Plans, & Implant Options <i>Please See Pages 81 For Details</i> <i>Move to Bellagio Ballroom 2, 4, 6, 7</i> <i>Lunch Served In Room</i> |
| 1:00 | Lunchtime Symposia III: What If Postop Pain Didn't Exist? <i>Please See Pages 81 For Details</i> <i>Move to Bellagio Ballroom 2, 4, 6, 7</i> <i>Lunch Served In Room</i> |
| 1:30 | DESSERT & VISIT THE EXHIBITS |
| 2:00 | WELCOME & INTRODUCTION <i>Michael P. Ast, MD</i> <i>Amar S. Ranawat, MD</i> <i>Neil P. Sheth, MD</i> |
| 2:05 | NEW TECHNOLOGY & NAVIGATION: PICKING THE RIGHT TECHNOLOGY! <i>Section Moderator: Michael J. Kaplan, MD</i> |
| 2:05 | Panel: My Robot/Technology Is Better Than Yours: Your Patient Will Benefit, Let Me Tell You Why Your Patient Will Benefit <i>Panel Moderator: David J. Mayman, MD</i> |
| 2:05 | Pro: Robotic Surgical-Assisted Bone Resection & Soft Tissue Assessing With Plain X-Ray Total Knee Arthroplasty <i>Henry D. Clarke MD</i> |
| 2:10 | Pro: CT-Guided Robotic Arm Assisted Total Knee Arthroplasty <i>Matthew S. Hepinstall, MD</i> |
| 2:15 | Pro: Image-Free Pre-Resection Assessment Of Alignment & Predicted Gap Balance Total Knee Arthroplasty With Robotic Assistance <i>William J. Long, MD, FRCSC</i> |
| 2:20 | Pro: Fully Automated Active Robot-Guided Total Knee Arthroplasty <i>Stefan W. Kreuzer, MD, MSc, MSc</i> |
| 2:25 | Pro: Image-Free Handheld Robotics In Total Knee Arthroplasty <i>Jimmy Chow, MD</i> |
| 2:30 | Pro: Precision Alignment Technology: Forget The Robot - Handheld Smart Devices Win The Day <i>Michael P. Ast, MD</i> |
| 2:35 | Pro: Intraoperative Sensors Save The Day: What We Have Learned About Ligament Balance - You Can Do It As Well <i>Alexander P. Sah MD</i> |

Join Us! Evening Spotlights
6:00PM – 7:00PM
Hors D'oeuvres & Libations
See Page 82 For Details

KNEE ARTHROPLASTY • GRAND BALLROOM 3, 6

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| 2:40 | THE CONTROVERSY CONTINUES IN 2021: HONEST ANSWERS TO JUSTIFY WHAT I DO Section Moderator: Edward J. McPherson, MD, FACS |
| 2:40 | Panel: 57-Year-Old 6'1 Former D1 Basketball Player From The West Coast Who Heard That Alignment Matters, But Which Kind? Panel Moderator: Michael P. Ast, MD 2:40 Pro: Mechanical Alignment: It Is What We All Are Doing To Get Long-Term Results - Don't Lecture Me George N. Guild III, MD 2:45 Pro: Anatomic Alignment: Why Have You All Not Been Listening To Me - It Can Substitute For Mechanical Alignment Gwo-Chin Lee, MD 2:50 Pro: Kinematic Alignment Is All That Matters: It's Like The Underground Railroad - I Am No Longer Doing It Quietly TBA |
| 2:55 | Panel Rebuttal George N. Guild III, MD Gwo-Chin Lee, MD |
| 2:58 | THE GREAT DEBATES: BLOODLESS TO SURFACE OR NOT THAT IS THE QUESTION Section Moderator: Michael J. Kaplan, MD |
| 2:58 | Debate: 71-Year-Old Bowling Champion With No Medical Illnesses Ready For Her Total Knee Arthroplasty: Patella Resurfacing: Questions Should My Patella Be Resurfaced Debate Moderator: H. Del Schutte, Jr., MD 2:58 Pro: It Is Unnecessary To Resurface The Patella: Why Are You Doing This? The Literature Teaches Us The Right Answers Gwo-Chin Lee, MD 3:03 Pro: I Always Resurface, It Is So Simple I Have Done For Years H. Del Schutte, Jr., MD |
| 3:08 | Rebuttal Gwo-Chin Lee, MD H. Del Schutte, Jr., MD |
| 3:11 | Debate: 53-Year-Old Marathon Runner Former Inventor Of The Tourniquet, Says Do I Need It Debate Moderator: Michael P. Ast, MD 3:11 Pro: You Need The Tourniquet To See The Anatomy & Cement Properly George N. Guild III, MD 3:16 Pro: I Know Why You Are Afraid, Don't Be: No Need For The Tourniquet Nithin C. Reddy, MD |
| 3:21 | Rebuttal George N. Guild III, MD Nithin C. Reddy, MD |
| 3:23 | THE NEW REALITY & TRENDS IN KNEE ARTHROPLASTY: CEMENTLESS KNEES & PERIOPERATIVE TIPS & TRICKS Section Moderator: H. John Cooper, MD |
| 3:23 | Evolving Technique: Going Cementless In 2021: My 7 Tips & Tricks Amar S. Ranawat, MD |

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| 3:29 | Evolving Technique: The 51-Year-Old Female Yoga Instructor With Pain After A Cementless Total Knee Arthroplasty - What I Do H. Del Schutte, Jr., MD |
| 3:35 | Commentary: The Secrets To My Success With Cementless Total Knee Arthroplasty - It Is All About Proper Technique Amar S. Ranawat, MD |
| 3:40 | Evolving Technique Update: The 73-Year-Old Former Motocross Rider With A Multiply Operated Knee: Defining The High Wound Risk Patient: How I Treat It - Soft Tissue Negative Pressure With Incisional Vacs H. John Cooper, MD |
| 3:45 | Evolving Technique Update: Blood Management, TXA, IV, Topical Or Oral - Is There A Secret Formula? Are There Other Options? George N. Guild III, MD |
| 3:50 | THE FUTURE OF ARTHROPLASTY: OUTPATIENT & REGISTRIES Section Moderator: Michael J. Kaplan, MD |
| 3:50 | Evolving Technique Update: Patient Selection Is Not The Answer: You Need To Figure Out How Everyone Can Have It Safely - Here Are My Protocols, Here Are My Secrets Craig M. McAllister, MD |
| 3:55 | Evolving Technique Update: The Perfect Outpatient Experience Kevin D. Plancher, MD, MPH, FAAOS, FAOA |
| 4:00 | Distinguished Professor Lecture: Why You Need To Enter Your Data Into A Registry: It Is Not About You, Help Your Colleagues, What We Have Learned in Australia For So Many Years Stephen E. Graves, MD, DPhil (oxon) |
| 4:10 | BREAK & VISIT THE EXHIBITS |
| 4:40 | Clinical Case Presentations With Questions & Answers: Time To Challenge The Experts: No Long Answers Please (Alignment Choices, Mid-Flexion Instability, When Navigation Goes Bad, Perioperative Truths) Case Panel Moderators: Amar S. Ranawat, MD H. Del Schutte, Jr., MD Case Panel: Stefano Alec Bini, MD Jimmy Chow, MD Michael B. Cross, MD Andrew A. Freiberg, MD Viktor E. Krebs, MD Gwo-Chin Lee, MD David J. Mayman, MD Edward J. McPherson, MD, FACS Nithin C. Reddy, MD |

KNEE ARTHROPLASTY •
GRAND BALLROOM 3, 6

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| <p>5:05 COMMON COMPLICATIONS: HOW TO AVOID & HOW TO CORRECT - THE TRUTH PLEASE Section Moderator: <i>H. Del Schutte, Jr., MD</i></p> | |
| 5:05 | <p>53-Year-Old Hip Hop Dancer On Postop Day 1 Walks Out The Hospital, BMI 34, Hears A Pop, Falls To The Ground & Can't Extend Her Leg - "The Acute Patella Tendon Rupture" <i>H. Del Schutte, Jr., MD</i></p> |
| 5:12 | <p>61-Year-Old Construction Worker, BMI 30, Trips On A Lead Pipe 5 Years After Total Knee Replacement Now With An Unstable Knee & Diagnosed With An MCL Rupture: How I Approach This <i>Henry D. Clarke, MD</i></p> |
| 5:19 | <p>78-Year-Old Former Shuffleboard Champ For Royal Caribbean While Undergoing A Total Knee The Attending Hears A Crack & Sees The Medial Femoral Condyle Hanging By A Thread - "The Dreaded Intraoperative Fracture" - What I Do, How I Reassess & Move Forward <i>Viktor E. Krebs, MD</i></p> |
| 5:26 | <p>72-Year-Old Female Now With An Unbalanced Knee: How I Solve Tight In Flexion Or Tight In Extension - Keys To Success Intraoperatively & Postoperatively For The CR Stiff Knee <i>Amar S. Ranawat, MD</i></p> |
| 5:33 | <p>65-Year-Old Male Pickleball Champ: Time To Cut The Patella But Miscalculated - What I Do For The Dreaded Patella Cut Too Thin <i>Michael J. Kaplan, MD</i></p> |
| <p>5:40 THE NEXT GENERATION PATIENT MONITORING Section Moderator: <i>Stephen E. Graves, MD, DPhil (oxon)</i></p> | |
| 5:40 | <p>Panel: A 61-Year-Old Stock Broker, Knows All The Investments In Technology, Now For Her First Total Knee Replacement Panel Moderator: <i>Henry D. Clarke, MD</i></p> |
| 5:40 | <p>Pro: Sensor-Assisted Technology Improves Patient Outcomes & Satisfaction & Limits Complications <i>Alexander P. Sah MD</i></p> |
| 5:46 | <p>Pro: Using Smart Implants: If Your Knee Could Talk, What It Would Tell You <i>Andrew A. Freiberg, MD</i></p> |
| 5:52 | <p>Pro: The Digital Revolution: Stand Back, You Don't Realize What's Coming To Your Operating Room <i>Stefano Alec Bini, MD</i></p> |
| 5:58 | <p>Wrap Up & Summary <i>Michael P. Ast, MD</i> <i>Amar S. Ranawat, MD</i> <i>Neil P. Sheth, MD</i></p> |
| 6:00 | <p>End Of Knee Arthroplasty Program</p> |

Join Us! Evening Spotlights
6:00PM – 7:00PM
Hors D'oeuvres & Libations
See Page 82 For Details

SHOULDER SPORTS & ARTHROPLASTY •
BELLAGIO BALLROOM 2, 4, 6, 7



Recognizes the Educational Content of this Program

Educational Content Endorsed By



Shoulder Sports & Arthroplasty Co-Chairs
Joseph A. Abboud, MD
Lawrence V. Gulotta, MD
Anand M. Murthi, MD

Honored Professors
David M. Dines, MD
Peter B. MacDonald, MD, BSc, LMCC, FRCS
Edward R. McDevitt, MD

Distinguished Professor
Anthony Miniaci, MD

Lifetime Achievement Award
Russell F. Warren, MD

| | |
|--|---|
| 12:00 | <p>Lunchtime Symposia I: Knee Preservation Through Cartilage Restoration Please See Pages 81 For Details Move to Bellagio Ballroom 2, 4, 6, 7 Lunch Served In Room</p> |
| 12:30 | <p>Lunchtime Symposia II: Keys To Clavicle Fractures: Latest Techniques, Treatment Plans, & Implant Options Please See Pages 81 For Details Move to Bellagio Ballroom 2, 4, 6, 7 Lunch Served In Room</p> |
| 1:00 | <p>Lunchtime Symposia III: What If Postop Pain Didn't Exist? Please See Pages 81 For Details Move to Bellagio Ballroom 2, 4, 6, 7 Lunch Served In Room</p> |
| 1:30 | <p>DESSERT & VISIT THE EXHIBITS</p> |
| 2:00 | <p>WELCOME & INTRODUCTION <i>Joseph A. Abboud, MD</i> <i>Lawrence V. Gulotta, MD</i> <i>Anand M. Murthi, MD</i></p> |
| <p>2:05 ROTATOR CUFF Section Moderator: <i>Ronald A. Navarro, MD</i></p> | |
| 2:05 | <p>49-Year-Old Female Squash Player 10 Years With A Small, Non-Retracted Rotator Cuff: Nobody's Touching Me - Predictors Of Success Or Failure <i>John E. Kuhn, MD</i></p> |
| 2:13 | <p>Panel: 38-Year-Old Racquetball Player With A Painful, Partial Thickness, Articular-Sided Rotator Cuff Tear Panel Moderator: <i>Stephen F. Brockmeier, MD</i></p> |
| 2:13 | <p>Pro: In Situ Repair: Keep What You Have: The Literature And My Experience Has Proven It! <i>Spero G. Karas, MD</i></p> |
| 2:20 | <p>Pro: Biologic Augment Repair: Don't You Dare Touch It, Treat The Bursal Side - Say What?!? <i>Richard K.N. Ryu, MD</i></p> |
| 2:27 | <p>Pro: Take Down & Repair With Anchors & Scaffold: Old Ways Are The Best Ways <i>Joseph A. Abboud, MD</i></p> |
| 2:34 | <p>Commentary: I Have Tried It All, My Thoughts <i>Peter B. MacDonald, MD, BSc, LMCC, FRCS</i></p> |

SHOULDER SPORTS & ARTHROPLASTY • BELLAGIO BALLROOM 2, 4, 6, 7

| | | | |
|------|--|------|--|
| 2:37 | <p>Debate: 54-Year Old Tax Accountant Running To The Post Office On Tax Day At 11:59 PM Trips, Fails To Mail The Tax Return & Falls, Now Diagnosed With An Acute Subscap Tear Retracted To The Glenoid Neck <i>Debate Moderator: John E. Kuhn, MD</i></p> <p>2:37 Pro: No Sweat, Arthroscopic Repair Of The Subscap: Let Me Show You How <i>Eric C. McCarty, MD</i></p> <p>2:42 Pro: No Way, You Are Clueless: Open Repair Of The Subscap & A Biceps Tenodesis - Let Me Show You How Young Man This Is An Acute On Chronic & This May Even Need A Graft <i>Russell F. Warren, MD</i></p> | 3:30 | <p>Panel: 53-Year-Old Male Skier With A Garage Sale Fall 5 Years Ago With A Massive Irreparable Superior Rotator Cuff Tear Shopping For A Surgeon <i>Panel Moderator: Brian J. Cole, MD, MBA</i></p> <p>3:30 Pro: Superior Capsular Reconstruction: Step-By-Step <i>John M. "JT" Tokish, MD</i></p> <p>3:37 Pro: Slow Down, No SCR Yet! Fix What You Can, Incorporate The Biceps, Get Out, You'd Be Amazed How Good He Will Ski <i>Michael T. Freehill, MD, FAOA</i></p> <p>3:44 Pro: Forget My Colleagues! Time To Show You The Lower Trapezius Transfer <i>Anand M. Murthi, MD</i></p> <p>3:51 Pro: Go With The Rest Of The World, Stay Simple, Fly With A Balloon: I Have Told You About This For 3 Years <i>Joseph A. Abboud, MD</i></p> |
| 2:47 | <p>Evolving Technique Update: Arthroscopic Versus Open Repair Of The Subscap: Tips & Tricks, When I Choose Which Procedure <i>Bradford O. Parsons, MD</i></p> | 3:58 | <p>Commentary: The Irreparable Rotator Cuff Tear: So Many Choices, What I Do In Canada, What I Have Learned Over The Years <i>Peter B. MacDonald, MD, BSc, LMCC, FRCSC</i></p> |
| 2:52 | <p>Debate: 63-Year-Old Female Cyclist With An Acute, Retracted, Large, 2-Tendon Rotator Cuff Tear After A Bike Crash <i>Debate Moderator: Anand M. Murthi, MD</i></p> <p>2:52 Pro: Fix It Now: Why Make Your Job Hard, It Is Only Going To Get Worse <i>Alan S. Curtis, MD</i></p> <p>2:57 Pro: Rehab This Shoulder, You Have No Idea What You Are Talking About - Nothing Gained By Operating Now <i>Bradford O. Parsons, MD</i></p> | 4:05 | <p>Evolving Technique Update: What I Just Heard This Morning & Don't Believe & Do Believe <i>Russell F. Warren, MD</i></p> |
| 3:02 | <p>Commentary: My Thoughts Of This Predicament <i>John E. Kuhn, MD</i></p> | 4:10 | BREAK & VISIT THE EXHIBITS |
| 3:05 | <p>Debate: 63-Year-Old Hockey Player Takes A Hit To The Boards & Can't Lift His Arm: MRI Shows An Acute On Chronic Rotator Cuff Tear <i>Debate Moderator: Alan S. Curtis, MD</i></p> <p>3:07 Pro: You Need To Rehab This Shoulder, This Is Not A New Tear <i>Caroline M. Chebli, MD</i></p> <p>3:12 Pro: Think Carefully, Fix What You Can In A Timely Fashion: Dual Row May Save The Day <i>Spero G. Karas, MD</i></p> | 4:40 | <p>MORE THOUGHTS ON THE IRREPARABLE ROTATOR CUFF <i>Section Moderator: John M. "JT" Tokish, MD</i></p> |
| 3:17 | <p>Commentary: Acute On Chronic Rotator Cuff Tears: I See Them All The Time - Heed My Advice <i>Xavier A. Duralde, MD</i></p> | 4:40 | <p>Debate: SCR Is A Magical Procedure: Does It Heal? Does It Need To Heal? Let's Ask Our Experts <i>Debate Moderator: John M. "JT" Tokish, MD</i></p> |
| 3:20 | <p>Honored Professor Lecture: Rotator Cuff Repairs: My Perspective After All These Years - Successes & Failures <i>David M. Dines, MD</i></p> | 4:40 | <p>Pro: SCR Heals & It Matters & Makes A Difference In People's Lives <i>Richard K.N. Ryu, MD</i></p> <p>4:45 Pro: Ehh, It Heals Sometimes & It Doesn't Matter, It Still Works <i>Raffy Mirzayan, MD</i></p> |
| | | 4:50 | <p>Clinical Case Presentations With Questions & Answers: Failed Rotator Cuff Repairs In The 50-Year-Old Women & Men, What I Did Wrong, What I Do Different: Solving Complications <i>Case Panel Moderators: Brian J. Cole, MD, MBA Anthony Miniaci, MD</i></p> <p><i>Case Panel: Caroline M. Chebli, MD Xavier A. Duralde, MD Spero G. Karas, MD Jay D. Keener, MD Eric C. McCarty, MD Bradford O. Parsons, MD Paul M. Sethi, MD John M. "JT" Tokish, MD Dan Guttman, MD</i></p> |



SUNDAY, DECEMBER 12, 2021 GENERAL SESSION

SHOULDER SPORTS & ARTHROPLASTY • BELLAGIO BALLROOM 2, 4, 6, 7

5:10 THE BICEPS & THE ROTATOR CUFF Section Moderator: Larry D. Field, MD

5:10 Mini-Panel: A 70-Year-Old Master Squash Player Runs Into The Wall With A Pre-Existing Rotator Cuff Tear That Previously Had Minimal To No Pain, Now Can't Sleep At Night, Can't Raise His Arm & Says Fix Me Doc

Panel Moderator: Larry D. Field, MD

5:10 Pro: The Pain Is In His Biceps, It's Useless, I Will Either Cut It Or Tenodesis It

Dan Guttman, MD

5:16 Pro: Slow Down Young Man! Augment The Rotator Cuff Repair & Incorporate The Biceps

Xavier A. Duralde, MD

5:22 Pro: Wrong My Colleagues! Leave The Biceps, It's Helping You, Fix The Rotator Cuff

Lawrence V. Gulotta, MD

5:28 Feature Lecture: Complex Rotator Cuff Repairs: My Thoughts, Level V Evidence, My Experience: How I Solve My Patient's Pain & Return To Activities

Eric C. McCarty, MD

5:38 Clinical Case Presentations With Questions & Answers: The Tough Cuff: I Wish The Patient Would Seek A Second Opinion Across Town

Case Panel Moderators: Joseph A. Abboud, MD
Paul M. Sethi, MD

Case Panel: Wasik Ashraf, DO
Caroline M. Chebli, MD
Alan S. Curtis, MD
John E. Kuhn, MD
Eric C. McCarty, MD
Anthony Miniaci, MD
Richard K.N. Ryu, MD
John M. "JT" Tokish, MD
Russell F. Warren, MD

6:00 Evening Spotlight Session

InSpace: A Breakthrough In Shoulder Care

Bellagio Ballroom 2 & 6

Please See Pages 82 For Details

7:15 - 8:45 Join Us Chair Reception

Download
Mobile
App Here



MONDAY, DECEMBER 13, 2021 GENERAL SESSION

KNEE ATHROPLASTY • GRAND BALLROOM 3, 6

Complex Knee Arthroplasty Co-Chairs
Amar S. Ranawat, MD

Complex Knee Arthroplasty Vice Chairs
Michael P. Ast, MD
Neil P. Sheth, MD

Distinguished Professor
Stephen E. Graves, MD, DPhil (oxon)

International Honored Professor
Thorston Gehrke, MD, PhD

7:00 WELCOME & INTRODUCTION

Michael P. Ast, MD
Amar S. Ranawat, MD
Neil P. Sheth, MD

7:05 INFECTION, INFECTION, INFECTION: HOW CAN WE DO BETTER

Section Moderator: Alberto Carli, MD

7:05 Diagnosing Prosthetic Joint Infections: My Steps To Success

Edward J. McPherson, MD, FACS

7:12 Panel: 71-Year-Old Grandmother of 10, Draining From A Chronic Sinus Tract 6 Months After A Primary Total Knee

Panel Moderator: Edward J. McPherson, MD, FACS

7:12 Pro: DAIR (Debride, Antibiotics, Implant Retention): The Best Alternative For An Infected Prosthesis

H. John Cooper, MD

7:18 Pro: Single Stage Exchange: What All The Literature Tells Us

Michael B. Cross, MD

7:24 Pro: One And A Half Exchange: Say What! - It's My Experience I Want to Share

Amar S. Ranawat, MD

7:30 Pro: The Two Stage Exchange: My Techniques, Why I Win The Day, Don't Mess Around

Jesse Wolfstadt, MD, MSc, FRCSC

7:36 Understanding Infection Prevention: The Correct Irrigation Fluids - My Protocol, Let Me Share

Alberto Carli, MD

7:43 Solving The Holy Grail For Infection: Next Generation Sequencing

Edward J. McPherson, MD, FACS

7:50 Evolving Technique Update: 5 Tips & Tricks, Summing Up Over 30 Years Of Treating Unfortunate Infections After TKA

Viktor E. Krebs, MD

Evening Spotlight Session

Inspace:

A Breakthrough in shoulder care

Join our esteemed faculty as they discuss the industry's first minimally invasive biodegradable, subacromial spacer for arthroscopic treatment of massive irreparable rotator cuff tears (MIRCTs).

Sunday, December 12, 2021 | 6:00 – 7:00 p.m.



[Register here](#)



Joseph A. Abboud,
MD



James Genuario,
MD



Gregory J. Galano,
MD

Learn more at
www.stryker.com/inspace



KNEE ATHROPLASTY • GRAND BALLROOM 3, 6

7:55 Clinical Case Presentations With Questions & Answers: Infections 1 Month Out, 3 Months Out, 12 Months Out, 5 Years Out - Lightning Round, Definitive Answers Please

Case Panel Moderators: *Alberto Carli, MD*
Thorsten Gehrke, MD, PhD

Case Panel: *H. John Cooper, MD*
H. Del Schutte, Jr., MD
Viktor E. Krebs, MD
David J. Mayman, MD
Edward J. McPherson, MD, FACS
Peter K. Sculco, MD
Neil P. Sheth, MD
Scott M. Sporer, MD
Jesse Wolfstادت, MD, MSc, FRCSC

8:25 **LIVE SURGERY**

OPTIMIZING KNEE ARTHROPLASTY WITH HANDHELD ROBOTICS

Surgeon: *Jimmy Chow, MD*
Moderators: *George N. Guild III, MD*
Neil P. Sheth, MD

Supported By An Educational Grant By Smith+Nephew

9:05 **COMMON FINDINGS ON THE POSTOP X-RAY: WHAT I DO**

Section Moderator: *Brian R. Hallstrom, MD*

9:05 Mini-Panel: The Surprise Postop X-Ray: I Didn't Think This Happened But It Did

Panel Moderator: *Friedrich Boettner, MD*

9:05 Pro: What I Do With The Tibia In Varus & A Patient In No Pain

Brian R. Hallstrom, MD

9:10 Pro: What I Do To Avoid A Notched Femur & Does It Matter In Every Case?

Michael B. Cross, MD

9:15 Pro: The Dislocating Patella In A Valgus Knee: How I Solve The Problem With Or Without Surgery

Friedrich Boettner, MD

9:20 Pro: I Can Feel The Prosthesis On The Inside Of My Knee Doc: See The Metal Hanging Over The Tibia? What Are You Going To Do?

David J. Mayman, MD

9:25 Pro: It Is So Hard To Bend My Knee: The Undercut Patella - What I Do If Motion Is Only 85 Degrees Of Flexion

Neil P. Sheth, MD

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

10:10 **REVISION TOTAL KNEE ARTHROPLASTY FOR THE GENERALIST: HANDLING BONE LOSS**

Section Moderator: *Viktor E. Krebs, MD*

10:10 Evolving Technique: Understanding The Exposure For Revision Total Knee Arthroplasty: All Corners
Viktor E. Krebs, MD

10:16 Evolving Technique: How To Remove The Femoral & Tibial Prosthesis: 7 Tips, 7 Minutes - Avoiding Complications

Neil P. Sheth, MD

10:22 Evolving Technique: How To Remove Stems & Cones: The Revision Of The Revision - 7 Minutes, 7 Tips - Avoiding Complications

Alberto Carli, MD

10:28 Evolving Technique: The Revision Rotating Platform Total Knee Arthroplasty: An Answer To Bone Loss - It's Simple & Effective

Michael P. Ast, MD

10:34 Evolving Technique Update: 83-Year-Old Third Time Loser With A Large Tibial Bony Defect: Let Me Show You My Way To Handle Bone Loss

Peter K. Sculco, MD

10:39 Understanding How To Balance The Knee Is More Art Than Science

Viktor E. Krebs, MD

10:46 Evolving Technique: The Hinged Total Knee: Don't Forget About It - The Answer For Me With Difficult Problems In The Failed Total Knee

David J. Mayman, MD

10:52 Why Knees Fail & Is It True 19% Are Unhappy? What I Have Learned Over The Years To Have Success

Brian R. Hallstrom, MD

10:59 Feature Lecture: COVID-19: How You Still Can Succeed & The Business To Win With A Bundled Program - I Have Figured Out The Answers!

Jeffrey B. Stambough, MD

11:09 Debate: 72-Year-Old Male Lived All His Life In The Mountains With BMI 30 Wants Bilateral TKA & To Get Back To Skiing Fast

Debate Moderator: *Jeffrey B. Stambough, MD*

11:09 Pro: I Know How To Do This Safely & Have A Lot Of Data To Report, I Have Watched Someone Older Than Me

Peter K. Sculco, MD

11:14 Pro: No Thanks! The Second Knee Never Comes Out As Well, The Complications Are Tremendous, No Bed Sores For My Patients - Listen Up! One Knee At A Time

Brian R. Hallstrom, MD

11:19 **PERIPROSTHETIC FRACTURES: MAKING YOU FEEL COMFORTABLE WITH A DIFFICULT PROBLEM**

Section Moderator: *Friedrich Boettner, MD*

11:19 Debate: 69-Year-Old Retired High School Gym Teacher Never Had A Surgical Intervention With A Sudden Supracondylar Femur Fracture After A Motorcycle Accident

Debate Moderator: *Alberto Carli, MD*

11:19 Pro: Open Reduction Internal Fixation Saves The Day

Frank A. Liporace, MD

11:24 Pro: Time To Cut Bait: Why I Replace The Knee & Let Him Move On In Life

Friedrich Boettner, MD

11:29 Evolving Technique: My Experience With Obesity & Success With Total Knee Arthroplasty: My Algorithm - Let Me Share It With You

Henry D. Clarke, MD

**KNEE ATHROPLASTY •
GRAND BALLROOM 3, 6**

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| 11:35 | <p>Clinical Case Presentations With Questions & Answers: Remember The Non-Technical Issues To Ensure Success In TKA (Patient Optimization, Obesity, Perioperative Nutrition & Hydration, Wound Closure, Dressings - Time To Disagree) <i>Case Panel Moderators: Michael J. Kaplan, MD Amar S. Ranawat, MD</i></p> <p><i>Case Panel: Michael P. Ast, MD Henry D. Clarke, MD Friedrich Boettner, MD George N. Guild III, MD Stephen E. Graves, MD, DPhil (oxon) Brian R. Hallstrom, MD Frank A. Liporace, MD William J. Long, MD, FRCSC Neil P. Sheth, MD</i></p> |
| 12:00 | <p>Non-CME Lunch Spotlight Session <i>Please See Pages 82 For Details Lunch Served In Room</i></p> |
| 1:00 | <p>DESSERT & VISIT THE EXHIBITS</p> |
| 1:45 | <p>THE GIANTS SPEAK UP <i>Section Moderator: Scott M. Sporer, MD</i></p> |
| 1:45 | <p>Distinguished Professor Lecture: Outpatient Hip & Knee Replacement: My 20-Year Experience <i>Richard A. Berger, MD</i></p> |
| 2:00 | <p>Distinguished Professor Lecture: The Cemented Total Hip - An Art & Science That You Need To Be Able To Do As An Arthroplasty Surgery <i>Alejandro Gonzalez Della Valle, MD</i></p> |
| 2:15 | <p>International Honored Professor Lecture: How To Diagnose A Periprosthetic Joint Infection: An Update <i>Thorston Gehrke, MD, PhD</i></p> |
| 2:30 | <p>Hip Arthroplasty Session II Begins</p> |
| 2:45 | <p>Optional Knee Arthroplasty Lab - See Below</p> |

**THE TEAM PHYSICIAN SESSION •
BELLAGIO BALLROOM 2, 4, 6, 7**

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|---|---|
| <p><i>Team Physician Co-Chairs John A. Bergfeld, MD Lutul D. Farrow, MD, FAOA Peter A. Indelicato, MD</i></p> <p><i>Team Physician Special Guests Brian D. Busconi, MD Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS Kevin E. Wilk, PT, DPT, FAPTA</i></p> | |
| 6:50 | <p>WELCOME & INTRODUCTION <i>John A. Bergfeld, MD Peter A. Indelicato, MD</i></p> |
| 7:00 | <p>The Team Physician Kick-Off: My View Point <i>Peter A. Indelicato, MD</i></p> |
| 7:07 | <p>THE TEAM PHYSICIAN: NAME THAT SPORT - SHARING MY EXPERIENCE <i>Section Moderator: Lutul D. Farrow, MD, FAOA</i></p> |
| 7:07 | <p>Boxing: I Know You're Mad At Me For Supporting A Violent, High Risk Sport: Let Me Tell You What I Do As A Team Physician <i>Victor Khabie, MD</i></p> |
| 7:13 | <p>From Ballet To Rugby: My Secrets For 40 Years <i>Lyle J. Micheli, MD</i></p> |
| 7:23 | <p>Mixed Martial Arts: Caring For The Combat Athlete - What I Have Learned, What To Expect <i>John A. Bergfeld, MD</i></p> |
| 7:33 | <p>Professional Hockey: From 0-60 In A Few Years - My Experience As A Team Physician <i>John E. Kuhn, MD</i></p> |
| 7:39 | <p>Panel: A Quick Refresher For Cervical Spine & Concussion Injuries To Keep You Out Of Trouble <i>Panel Moderator: Lutul D. Farrow, MD, FAOA</i></p> |
| 7:39 | <p>Pro: The North American Soccer Gameplan <i>Jorge A. Chahla, MD, PhD</i></p> |
| 7:45 | <p>Pro: The North American Hockey Gameplan <i>John E. Kuhn, MD</i></p> |
| 7:51 | <p>Pro: I Am The First On The Field: What Am I Thinking <i>Kevin E. Wilk, PT, DPT, FAPTA</i></p> |
| 7:57 | <p>Skiing: Learning How To Be A Team Physician: An International Sport From US To Europe <i>William I. Sterett, MD</i></p> |
| 8:03 | <p>Panel: Professional Baseball: Surviving As A Team Physician - Injuries & Keeping My Head Down <i>Panel Moderator: Charles A. Bush-Joseph, MD</i></p> |
| 8:03 | <p>Pro: My Perspective After 20 Years In Baseball <i>Michael G. Ciccotti, MD</i></p> |
| 8:09 | <p>Pro: Spring Training: It's Where You Need To Be Prepared - COVID-19 & More <i>Richard F. Bruch, MD</i></p> |

REAL INTELLIGENCE AND THE CORI SURGICAL SYSTEM: NEXT-GENERATION HANDHELD ROBOTICS BIOSKILLS SESSION (TOTAL KNEE ARTHROPLASTY)

Smith+Nephew

Monday, December 13

2:45 PM - 6:00 PM | Bellagio Ballroom 1 & 5

Limited Registration. Sign Up Now.



THE TEAM PHYSICIAN SESSION • BELLAGIO BALLROOM 2, 4, 6, 7

| | |
|------|--|
| 8:15 | <p>Open Forum, Questions & Answers - Fire Away: Boxing, Ballet, Rugby, Mixed Martial Arts, Pro Hockey, Skiing, Pro Baseball</p> <p><i>Moderators: Charles A. Bush-Joseph, MD George A. Paletta, Jr., MD, MBA</i></p> <p><i>Panel: John A. Bergfeld, MD Richard F. Bruch, MD Michael G. Ciccotti, MD Victor Khabie, MD John E. Kuhn, MD Jorge A. Chahla, MD, PhD Lyle J. Micheli, MD William I. Sterett, MD Lutul D. Farrow, MD, FAOA</i></p> |
| 8:35 | <p>MOVING BEYOND THE TEAM PHYSICIAN: THERE IS SO MUCH MORE</p> <p><i>Section Moderator: Charles A. Bush-Joseph, MD</i></p> |
| 8:35 | <p>Competitive Advantage: Why You Need Biologics For Your Athletes</p> <p><i>C. Thomas Vangsness Jr., MD</i></p> |
| 8:41 | <p>Panel: Professional Tennis: Working Together - The Therapist & The Physician</p> <p><i>Panel Moderator: John M. "JT" Tokish, MD</i></p> |
| 8:41 | <p>Pro: The Role Of The Physician, Drug Testing & My Tips To Succeed</p> <p><i>David M. Dines, MD</i></p> |
| 8:47 | <p>Pro: The Athletic Trainer & Physical Therapist: Taping & Emotional Support On & Off The Courts</p> <p><i>Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS</i></p> |
| 8:53 | <p>Softball: Overuse Injury Prevention: Don't Forget About Me</p> <p><i>Kevin E. Wilk, PT, DPT, FAPTA</i></p> |
| 8:59 | <p>The Training Room: Setting It Up - What I Will & Won't Do</p> <p><i>Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS</i></p> |
| 9:05 | <p>Panel: How Young Players View The Athletic Trainer & Therapist: My Role in Working With A Team Physician</p> <p><i>Moderator: Peter A. Indelicato, MD</i></p> <p><i>Panel: Charles A. Bush-Joseph, MD David M. Dines, MD Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS Russell F. Warren, MD George A. Paletta, Jr., MD, MBA John M. "JT" Tokish, MD C. Thomas Vangsness, MD Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS Kevin E. Wilk, PT, DPT, FAPTA</i></p> |
| 9:30 | <p>BREAK & VISIT THE EXHIBITS</p> |

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|-------|---|
| 10:10 | <p>STRESS & ETHICS FOR THE TEAM PHYSICIAN</p> <p><i>Section Moderator: John A. Bergfeld, MD</i></p> |
| 10:10 | <p>The Team Physician: Do I Need A Contract? How Is It Negotiated? Does It Hide Behind Advertising Costs? What Is Ethical? Post-COVID-19 Forget The Handshake!</p> <p><i>Charles A. Bush-Joseph, MD</i></p> |
| 10:16 | <p>Delivering Bad News, End of Career Discussion With The Athlete & Family</p> <p><i>George A. Paletta, Jr., MD, MBA</i></p> |
| 10:22 | <p>What I Am & I Am Not Willing To Inject: PRP, Biologics, Steroids & More</p> <p><i>John M. "JT" Tokish, MD</i></p> |
| 10:28 | <p>Leadership Skills: You Need To Work At It When Being A Team Physician</p> <p><i>Russell F. Warren, MD</i></p> |
| 10:34 | <p>Open Forum, Questions & Answers - Fire Away</p> <p><i>Moderator: John A. Bergfeld, MD</i></p> <p><i>Panel: Charles A. Bush-Joseph, MD George A. Paletta, Jr., MD, MBA John M. "JT" Tokish, MD</i></p> |
| 10:44 | <p>THE HONORED PROFESSOR LECTURES</p> <p><i>Section Moderator: Lyle J. Micheli, MD</i></p> |
| 10:44 | <p>Honored Professor Lecture: PCL Injuries: My 40-Year Experience</p> <p><i>John A. Bergfeld, MD</i></p> |
| 10:54 | <p>Honored Professor Lecture: My 30-Year Experience With MCL Injuries</p> <p><i>Peter A. Indelicato, MD</i></p> |
| 11:04 | <p>THE NON-TRADITIONAL TEAM PHYSICIAN</p> <p><i>Section Moderator: John M. "JT" Tokish, MD</i></p> |
| 11:04 | <p>Feature Lecture: The Military Team Physician: Basic Training On The Field</p> <p><i>Dean C. Taylor, MD</i></p> |
| 11:14 | <p>Feature Lecture: Every Star Is An All-Star: Providing Expert Care For The Disadvantaged Athlete</p> <p><i>Clarence L. Shields, MD</i></p> |
| 11:24 | <p>The Team Physician For Inner City Schools: Community Connection & Public Service - How To Start Out</p> <p><i>Lutul D. Farrow, MD, FAOA</i></p> |
| 11:30 | <p>FOOTBALL FROM A-Z</p> <p><i>Section Moderator: Lutul D. Farrow, MD, FAOA</i></p> |
| 11:30 | <p>Panel: 35 Years With College Football: How I Survived, How I Dealt With Recruiting Agents & College Administrators - A Conversation</p> <p><i>Panel Moderator: Peter A. Indelicato, MD</i></p> |
| 11:30 | <p>The Big College & Team Coverage: 5 Tips, 5 Minutes - Lessons From Bo: How Collegiate Football Prepared Me To Be A Team Physician</p> <p><i>Edward M. Wojtys, MD</i></p> |

**THE TEAM PHYSICIAN SESSION •
BELLAGIO BALLROOM 2, 4, 6, 7**

| | |
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| 11:35 | The Small College & Team Coverage: 5 Tips, 5 Minutes - Stepping In After The Retired Team Physician Of 40 Years, Avoiding Land Mines, My Lessons Learned <i>Mark D. Miller, MD</i> |
| 11:40 | A NFL Arbitrator: Yes I Am a Total Joint Surgeon: My Experience <i>Alfred J. Tria, MD</i> |
| 11:50 | Panel Discussion, Wrap Up & Summary <i>Moderators: John A. Bergfeld, MD Peter A. Indelicato, MD</i> <i>Panel: Lutul D. Farrow, MD, FAOA Lyle J. Micheli, MD Mark D. Miller, MD Clarence L. Shields, MD Dean C. Taylor, MD John M. "JT" Tokish, MD Alfred J. Tria, MD Edward M. Wojtys, MD</i> |
| 12:00 | Non-CME Lunch Spotlight Session <i>Please See Pages 82 For Details Lunch Served In Room</i> |
| 1:00 | Dessert & Visit the Exhibits |
| 1:45 | End Of Team Physician Session |

FOOT & ANKLE • GRAND BALLROOM 7, 9

**Educational
Content
Endorsed By**



*Foot & Ankle Co-Chairs
Mark A. Glazebrook, MSc, PhD, MD, FRCS(C)
James W. Stone, MD*

*Honored Professor
James A. Nunley, MD, MS*

*Distinguished Professors
Michael J. Coughlin, MD
Roger A. Mann, MD
Bruce J. Sangeorzan, MD*

7:00 WELCOME & INTRODUCTION

*Mark A. Glazebrook, MSc, PhD, MD, FRCS(C)
James W. Stone, MD*

7:05 ACHILLES TENDON

Section Moderator: James W. Stone, MD

7:05 Canada Knows Best! Nonoperative Treatment For The Achilles Tear Is Exactly The Winning Formula: Let Me Show You The Protocol - Stop Operating!

Mark A. Glazebrook, MSc, PhD, MD, FRCS(C)

7:10 Panel: 33-Year-Old Female Softball Player Runs Past First Base After A Homerun When She Hears A Sudden Pop & Pain In Her Right Ankle & Collapses

Panel Moderator: James W. Stone, MD

7:10 Pro: Traditional, Open Direct Repair Avoids The Re-Rupture: My Results From The NBA
Sheldon S. Lin, MD

7:16 Pro: Minimally Invasive Is The Way To Go: The Technology Is Here, Fewer Complications - My Results
Phinit Phisitkul, MD, MHA

7:22 Pro: New Technology Makes It Happen: Step Up To What's Available To Make You Shine - 6 Tips, 6 Minutes
Troy S. Watson, MD

7:28 Pro: Hold The Bard Parker! Nonoperative Treatment, Read The Literature: Let Me Show You The Way
James R. Holmes, MD

7:34 Honored Professor Commentary: The Achilles Tendon Rupture: What I Have Learned Through The Years

James A. Nunley, MD, MS

7:40 Debate: 53-Year-Old Marathon Runner With Fusiform Swelling Of The Achilles Tendon: It Is Not Just A Pump Bump

Debate Moderator: Andrea Veljkovic, MD, MPH, BComm, FAOA, FRCSC

7:40 Pro: Nonoperative Treatment: Sprinkle Some Magic Dust & My Biologics - Let Me Show You The Evidence On How It Can Heal
John G. Kennedy, MD

7:45 Pro: MIS Is The Way To Go: You Just Need To Operate To Get Him Running Again Long-Term
Phinit Phisitkul, MD, MHA

DON'T FORGET!

**Enter for Your
Chance to Win!**

**ORTHOPAEDIC
SUMMIT 2021**
EVOLVING TECHNIQUES

FOOT & ANKLE • GRAND BALLROOM 7, 9

| | |
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| 7:50 | <p>Debate: 73-Year-Old Diabetic With Consistent Pain For 6 Months Seeks Treatment For Her Insertional Achilles Tendinopathy: MRI Shows 50% Tear <i>Debate Moderator: A. Holly Johnson, MD</i></p> <p>7:50 Pro: No Sweat: MIS Is The Way To Go - Just Clean It Up, She Will Be Better <i>Timothy R. Daniels, MD, FRCSC</i></p> <p>7:55 Pro: Don't Be Ridiculous: Full Open Exposure, Reattach The Achilles, Be Careful Of The Soft Tissue - She Is In It For The Long Haul <i>Mark A. Glazebrook, MSc, PhD, MD, FRCSC(C)</i></p> |
| 8:00 | <p>Feature Lecture: The Neglected Achilles Tendon Rupture: How To Bridge The Gap <i>Michael J. Coughlin, MD</i></p> |
| 8:10 | <p>Distinguished Professor Insight: Complications Of Achilles Tendon Repair: From Nerve Damage To Re-Ruptures & Soft Tissue Problems: 10 Tips, 10 Minutes To Get You In & Out Safely <i>Roger A. Mann, MD</i></p> |
| 8:20 | <p>Evolving Technique: 7 Minutes, 7 Tips What I Teach The Residents & Fellows, Understanding Literature, Understanding Real Life, The Achilles Tendon Is Such A Big Deal From Athlete To Elderly <i>Timothy R. Daniels, MD, FRCSC</i></p> |
| 8:27 | <p>POSTERIOR ANKLE ARTHROSCOPY <i>Section Moderator: James W. Stone, MD</i></p> |
| 8:27 | <p>Evolving Technique Update: Making The Diagnosis Of Posterior Impingement Of The Ankle <i>A. Holly Johnson, MD</i></p> |
| 8:32 | <p>Panel: 23-Year-Old New York City Ballerina With Posterior Ankle Pain En Point & Confirmed Os Trigonum <i>Panel Moderator: Timothy R. Daniels, MD, FRCSC</i></p> <p>8:32 Pro: Open Excision: Easy, Direct With Great Results <i>Bruce J. Sangeorzan, MD</i></p> <p>8:38 Pro: Arthroscopic Excision With A Lateral Subtalar Approach: Let Me Show You My Tricks To Make It Safe & Effective <i>Richard D. Ferkel, MD</i></p> <p>8:44 Pro: Wrong Old Guys! The Direct Posterior Approach: Go Right At It - In & Out, She Is Dancing In Two Weeks <i>James W. Stone, MD</i></p> |
| 8:50 | <p>Clinical Case Presentations With Questions & Answers: Posterior Impingement Of The Ankle & The Achilles Tendon <i>Case Panel Moderators: Richard D. Ferkel, MD</i> <i>A. Holly Johnson, MD</i></p> <p><i>Case Panel: Scott J. Ellis, MD</i> <i>MaCalus V. Hogan, MD, MBA</i> <i>John G. Kennedy, MD</i> <i>Thomas H. Lee, MD</i> <i>Peter G. Mangone, MD</i> <i>Phinit Phisitkul, MD, MHA</i> <i>Bruce J. Sangeorzan, MD</i> <i>Andrea Veljkovic, MD, MPH, BComm, FAOA, FRCSC</i></p> |

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|--------------|---|
| 9:15 | <p>PES PLANUS & ACQUIRED FLAT FOOT DEFORMITY: IS THERE ANY CONSENSUS? <i>Section Moderator: Andrea Veljkovic, MD, MPH, BComm, FAOA, FRCSC</i></p> |
| 9:15 | <p>Evolving Technique Update: What's A Flatfoot, What's Not A Flatfoot, & When I Treat It: An Algorithm Putting It All Together <i>Scott J. Ellis, MD</i></p> |
| 9:20 | <p>Evolving Technique Update: Flat Foot Osteotomies: Open? Closed? Lateral Column? Medial Column? What I Do! <i>MaCalus V. Hogan, MD, MBA</i></p> |
| 9:25 | <p>Evolving Technique Video Update: Never Forget The Medial Side: The Deltoid & Spring Ligaments Need To Be Fixed As Well! <i>Scott J. Ellis, MD</i></p> |
| 9:30 | <p>BREAK & VISIT THE EXHIBITS</p> |
| 10:00 | <p>INNOVATION OF FOOT & ANKLE SURGERY WITH MISCELLANEOUS TOPICS <i>Section Moderator: Troy S. Watson, MD</i></p> |
| 10:00 | <p>Feature Lecture: The Weightbearing CT Scan: It Will Change Your Practice - You Are Not Listening To Me! <i>Robert D. Santrock, MD</i></p> |
| 10:08 | <p>Feature Lecture: Foot & Ankle Surgery: New Innovation, Keeping Athletes Active, How I Juggle, What I Have Learned, The Good & The Bad <i>John G. Kennedy, MD</i></p> |
| 10:18 | <p>Evolving Technique: The Jones Fracture: Everything You Need To Know To Avoid Non-Unions & How I Am Trying To Learn To Be Better - When To Operate, When To Sit Back <i>MaCalus V. Hogan, MD, MBA</i></p> |
| 10:25 | <p>OSTEOCHONDRAL LESIONS OF THE TALUS <i>Section Moderator: Peter G. Mangone, MD</i></p> |
| 10:25 | <p>Evolving Technique: Understanding The Evidence: Predictors Of Good Versus Poor Results For Treatment Of An OCL Of The Talus <i>MaCalus V. Hogan, MD, MBA</i></p> |
| 10:32 | <p>Panel: 26-Year-Old Tae Kwon Do Enthusiast With Failed Physical Therapy With A 2.5-cm² Lesion <i>Panel Moderator: Thomas H. Lee, MD</i></p> <p>10:32 Pro: Debridement, Marrow Stimulation & Abrasion: Simple & Reproducible Results <i>Peter G. Mangone, MD</i></p> <p>10:38 Pro: OATS: My Way Is The Best To Achieve Pain Relief With Biologics & A New Articular Cartilage Surface <i>John G. Kennedy, MD</i></p> <p>10:44 Pro: Minced Juvenile Articular Cartilage Off The Shelf: Easy For The Patient, Watch The Cartilage Grow <i>A. Holly Johnson, MD</i></p> <p>10:50 Pro: Cellular Implantation: Ignore My Colleagues - Take The Cartilage, Grow The Cartilage, Make New Cartilage <i>Richard D. Ferkel, MD</i></p> |

FOOT & ANKLE • GRAND BALLROOM 7, 9

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| 10:56 | Evolving Technique Update: Role Of An Osteotomy In The Treatment Of An Osteochondral Lesion Of The Talus <i>Phinit Phisitkul, MD, MHA</i> |
| 11:01 | Evolving Technique Update: Talar OCL With Ankle Instability: You Need To Treat Both To Get Long-Term Results <i>Peter G. Mangone, MD</i> |
| 11:06 | Feature Lecture: I Am Back! Bulk Allograft Is The Only Answer For A Lesion When It Is Too Big: You Need To Just Start Doing This Procedure <i>William D. Bugbee, MD</i> |
| 11:14 | Honored Professor Commentary: What I Have Learned About Osteochondral Lesions Of The Talus: My Approach <i>James A. Nunley, MD, MS</i> |
| 11:24 | Clinical Case Presentations With Questions & Answers: Pes Planus & OCL Of The Talus <i>Case Panel Moderators: Mark A. Glazebrook, MSc, PhD, MD, FRCS(C)</i> <i>Phinit Phisitkul, MD, MHA</i> <i>Case Panel: William D. Bugee, MD</i> <i>Richard D. Ferkel, MD</i> <i>MaCalus V. Hogan, MD, MBA</i> <i>James R. Holmes, MD</i> <i>Peter G. Mangone, MD</i> <i>James A. Nunley, MD, MS</i> <i>Robert D. Santrock, MD</i> <i>Troy S. Watson, MD</i> |
| 11:54 | Wrap & Summary: What I Have Learned <i>Mark A. Glazebrook, MSc, PhD, MD, FRCS(C)</i> <i>James W. Stone, MD</i> |
| 12:00 | Non-CME Lunch Spotlight Session <i>Please See Pages 82 For Details</i> Lunch Served In Room |
| 1:00 | DESSERT & VISIT THE EXHIBITS |
| 1:45 | End Of Foot & Ankle Program |

SPINE CADAVER ROBOT NAVIGATION, AR, VR WORKSHOP • VAN GOUGH 1, 2

| | |
|--|---|
| <p><i>Spine Cadaver Robot Workshop Co-Chairs</i> <i>Marc J. Levine, MD</i> <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i> <i>Vinko Zlomoslic, MD</i></p> | |
| 6:50 | Welcome & Introduction <i>Marc J. Levine, MD</i> <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i> <i>David W. Polly, Jr., MD</i> <i>Vinko Zlomoslic, MD</i> |
| 6:55 | Introduction Of Navigation & Robotic Systems & Faculty <i>Section Moderator: David W. Polly, Jr., MD</i> |
| 7:00 | Applied Anatomy Of The Spine In 360 Degrees With 2D & 3D Understanding: How Robotics Control Alignment <i>Greg Poulter, MD</i> |
| 7:10 | How Robotics Can Positively Impact The OR Workflow In Spine Procedures <i>Roland S. Kent, MD</i> |
| 7:20 | Why I Use Spinal Navigation To Reduce Radiation Exposure To Myself & My Colleagues <i>Sharad Rajpal, MD</i> |
| 7:30 | How Preoperative Planning, Patient-Specific Implants & Predictive Analytics Are Shaping The Future Of Spine Surgery <i>James Lynch, MD</i> |
| 7:40 | Using Enabling Technologies To Differentiate (Or Market) Your Practice: Moving Towards Outpatient Lumbar Fusion <i>Richard V. Chua, MD</i> |
| 7:50 | Single-Position Circumferential Spine Procedures Using Navigation & Robotics <i>Suken A. Shah, MD</i> |
| 8:00 | Rotation 1: Globus Medical Excelsius GPS Robotic Technology <i>Roland S. Kent, MD</i> |
| 8:35 | Rotation 2: SeaSpine/7D Surgical Flash™ Navigation With Machine-Vision Technology Live Demonstration showing Flash™ Navigation With Machine-Vision Technology with a proprietary technology that utilizes only visible light to provide 3D image guidance in less than 30 seconds with no radiation. <i>Iain Kalfas, MD</i> |
| 9:10 | Rotation 3: SI-BONE Optimizing Spinopelvic Fixation With iFuse Bedrock® <i>Isador H. Lieberman, MD, MBA, FRSC(C)</i> |
| 9:45 | BREAK & VISIT THE EXHIBITS |
| 10:15 | Rotation 4: Augmedics: Augmented Reality Technology For Spine Surgery <i>James Lynch, MD</i> |
| 10:50 | Rotation 5: Medtronic: Using Enabling Technologies To Differentiate Your Practice – Moving Towards Outpatient Lumbar Fusion <i>Rickard Chua, MD</i> |

COMMERCIAL SUPPORT

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

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| Anika Therapeutics | International Journal of Sports Physical Therapy |
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| ESSITY | Skeletal Dynamics |
| FX Shoulder USA | Smith+Nephew |
| Hyperice | Stryker |
| InReach Health - Stopain Clinical | THINK Surgical |
| Intellijoint Surgical | Waldemar Link GmbH & Co. KG |

SPINE CADAVER ROBOT NAVIGATION, AR, VR WORKSHOP • VAN GOUGH 1, 2

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|------------------------------|---|
| 11:25 | Rotation 6: Accelus REMI Robot System <i>Kevin Foley, MD</i> |
| 12:00 | End Of Spine Program |
| Lunch Served In Exhibit Hall | |



Be Sure To Visit All of the OSET Exhibitors To Win Prizes.

Full List And Descriptions Can Be Found In Our Separate Exhibitors Guide.



ORTHOPAEDIC REHABILITATION • CEZZANE 1, 2

Orthopaedic Rehabilitation Co-Chairs
 Charles A. Thigpen, PT, PhD, ATC
 Michael L. Voight, DHSc, PT, OCS, SCS, ATC
 Kevin E. Wilk, PT, DPT, FAPTA

6:55 WELCOME & INTRODUCTION

Charles A. Thigpen, PT, PhD, ATC
 Michael L. Voight, DHSc, PT, OCS, SCS, ATC
 Kevin E. Wilk, PT, DPT, FAPTA

7:00 ASSESSMENT OF THE HIP: WHERE ARE WE IN 2021

Session Moderator: Michael L. Voight, DHSc, PT, OCS, SCS, ATC

7:00 Differential Diagnosis Of Hip Pain: Pearls For Making The Right Diagnosis

John Christoforetti, MD

7:07 Mini-Debate: Hip Assessment: History Versus Physical Examination: The 5 Best Tips In Making The Correct Diagnosis

Debate Moderator: Michael L. Voight, DHSc, PT, OCS, SCS, ATC

7:07 Pro: It's All Communication: Speak The Same Language, Ask The Right 5 Questions & Listen

Elizabeth Bardowski, MSN, APN, ACNP-BC

7:12 Pro: It's All About The Physical Exam: You Have To Have The Right Touch

T. Sean Lynch, MD

7:17 Mini-Debate: What Imaging Modality I Pick To Make My Diagnosis For Hip Pain

Debate Moderator: Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2

7:17 Pro: Ultrasound-Guided Hip Injection Is The Best Choice To Confirm Your Diagnosis

Elizabeth Bardowski, MSN, APN, ACNP-BC

7:22 Pro: MR Arthrogram Gives Me All The Answers I Need To Know

T. Sean Lynch, MD

7:27 The ISHA Algorithm: Global Assessment Of The Hip- Lets Me Score Every Time

RobRoy L. Martin, PhD, PT, CSCS

7:34 Patient-Reported Outcome Measures Will Lead You To The Right Answer

Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS

7:41 Experience Matters: Understanding Subtleties Let's You Get A Diagnosis For All Patients - It's A Skill

J.W. Thomas Byrd, MD, FAOA

Don't Forget to Claim UP TO 37.75 CEU

Certificate Instructions Located On Pages 13 & 21

ORTHOPAEDIC REHABILITATION • CEZZANE 1, 2

| | | | |
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| 7:48 | <p>Case Presentation With Questions & Answers: Pearls & Pitfalls Of The Painful Athletic Hip <i>Case Panel Moderators: Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i> <i>Timothy F. Tyler, MS, PT, ATC</i></p> <p><i>Case Panel: Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2</i> <i>Elizabeth Bardowski, MSN, APN, ACNP-BC</i> <i>J.W. Thomas Byrd, MD, FAOA</i> <i>Keelan Enseki, MS, PT, OCS, SCS, ATC, CSCS</i> <i>T. Sean Lynch, MD</i> <i>Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS</i> <i>RobRoy Martin, PT</i> <i>Allston J. Stubbs, MD, MBA</i></p> | 9:10 | <p>Clinical Case Presentations With Questions & Answers: Extra-articular Procedures, Return To Elite Sports, Cutting & Pivoting <i>Case Panel Moderators: Sue Falsone, PT, MS, SCS, ATC, CSCS, COMT</i> <i>Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2</i></p> <p><i>Case Panel: Elizabeth Bardowski, MSN, APN, ACNP-BC</i> <i>Brian D. Busconi, MD</i> <i>J.W. Thomas Byrd, MD, FAOA</i> <i>John J. Christoforetti, MD</i> <i>Keelan Enseki, MS, PT, OCS, SCS, ATC, CSCS</i> <i>RobRoy L. Martin, PhD, PT, CSCS</i> <i>Allston J. Stubbs, MD, MBA</i> <i>Timothy F. Tyler, MS, PT, ATC</i> <i>Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i></p> |
| 8:08 | <p>EXTRA-ARTICULAR CONTROVERSIES OF THE HIP: WHEN IT'S NOT THE JOINT - WHAT I DO <i>Section Moderator: Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2</i></p> | 9:30 | <p>BREAK & VISIT THE EXHIBITS</p> |
| 8:08 | <p>Core Muscle Injury 101 & The Sports Hernia: What We Need To Know For Success - How To Diagnose & Get Patients Better <i>Brian D. Busconi, MD</i></p> | 10:10 | <p>INTRA-ARTICULAR CONTROVERSIES OF THE HIP: WHEN IT IS THE JOINT <i>Section Moderator: Timothy F. Tyler, MS, PT, ATC</i></p> |
| 8:15 | <p>Mini Debate: Hip Impingement Versus Core Muscle Injury: Are They Linked? Are They Different? <i>Debate Moderator: Brian D. Busconi, MD</i></p> | 10:10 | <p>FAI: I Am Tired Of Hearing The Diagnosis - Prove To Me It Is Real Or Is This Just A Way To Make Money <i>J.W. Thomas Byrd, MD, FAOA</i></p> |
| 8:15 | <p>Pro: It's Hip Impingement & FAI <i>Keelan Enseki, MS, PT, OCS, SCS, ATC, CSCS</i></p> | 10:17 | <p>Mini Debate: FAI: Is It Pathology Or Normal Adaptation <i>Debate Moderator: Timothy F. Tyler, MS, PT, ATC</i></p> |
| 8:20 | <p>Pro: It's All Related To The Soft Tissue: You Have It Wrong My Colleague <i>Timothy F. Tyler, MS, PT, ATC</i></p> | 10:17 | <p>Pro: It's A Normal Adaption: FAI Is Nonsurgical - It Has Been Around Since The Caveman, It Is An Invented Diagnosis <i>RobRoy L. Martin, PhD, PT, CSCS</i></p> |
| 8:25 | <p>Evolving Technique Update: Conservative Management Of A Core Muscle Injury: 5 Tips & Tricks <i>Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i></p> | 10:22 | <p>Pro: FAI Is Real, It Must Be Fixed: I Don't Know Where You Are Getting Your Fake News <i>Allston J. Stubbs, MD, MBA</i></p> |
| 8:30 | <p>Return To Play Criteria Following Core Muscle Injury: My Pearls For Successful Return - 5 Tips, 5 Minutes <i>Kevin E. Wilk, PT, DPT, FAPTA</i></p> | 10:27 | <p>My Pearls For Success For Rehabbing A Patient With FAI <i>Keelan Enseki, MS, PT, OCS, SCS, ATC, CSCS</i></p> |
| 8:35 | <p>Posterior Hip Pain: My 7 Tips & Tricks To Get The Right Diagnosis While Assessing The Patient <i>John J. Christoforetti, MD</i></p> | 10:34 | <p>Specialized Results Occur With Deep Hip Muscle Function: It's The Key To Intra-articular Rehabilitation <i>Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2</i></p> |
| 8:42 | <p>Ischiofemoral Impingement: What Is It & How I Deal With It <i>Allston J. Stubbs, MD, MBA</i></p> | 10:40 | <p>FAI: When To Throw In The Towel & Refer To The Surgeon - 7 Tips & Tricks <i>Marc R. Safran, MD</i></p> |
| 8:49 | <p>Lateral Hip Pain: What Is It & How I Make The Differential Diagnosis - Stop Blaming The Bursa <i>J.W. Thomas Byrd, MD, FAOA</i></p> | 10:47 | <p>THE HIP IN SPORTS: WHAT WE KNOW & HOW TO STAY OUT OF TROUBLE <i>Section Moderator: Kevin E. Wilk, PT, DPT, FAPTA</i></p> |
| 8:56 | <p>Greater Trochanteric Pain Syndrome/Bursitis: Conservative Management That Works - 7 Tips In 7 Minutes <i>RobRoy L. Martin, PhD, PT, CSCS</i></p> | 10:47 | <p>Return To Play After Nonoperative & Operative Treatment <i>Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i></p> |
| 9:03 | <p>Managing Posterior Hip Pain: The Application Of Dry Needling & Cupping In Hip Rehabilitation <i>Sue Falsone, PT, MS, SCS, ATC, CSCS, COMT</i></p> | 10:54 | <p>Evolving Technique: Dealing With The Hypomobile Athlete: My Tips For Success <i>Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS</i></p> |

ORTHOPAEDIC REHABILITATION • CEZZANE 1, 2

| | | | |
|-------|---|------|--|
| 11:00 | Evolving Technique: Strategies For The Hypermobile Athlete/Dancer/Gymnast: How I Succeed <i>Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2</i> | 3:28 | Does Graft Selection Change ACLR Rehabilitation? <i>Lane Bailey, PT, PhD, DPT, CSCS</i> |
| 11:06 | The Hip In Hockey: The NHL Experience <i>Timothy F. Tyler, MS, PT, ATC</i> | 3:35 | BREAK & VISIT THE EXHIBITS |
| 11:12 | The Hip In Golf: The PGA Tour Experience <i>Michael L. Voight, DHSc, PT, OCS, SCS, ATC</i> | 4:05 | Biofeedback, EMG & Other Tips To Get The Quad Right Early Following ACLR <i>Russell M. Paine, PT</i> |
| 11:18 | The Hip In Tennis: The ATP Tour Experience <i>Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS</i> | 4:12 | Integrating Technology Into The Clinic: Emerging Science & Staying On The Cutting Edge - From Feedback To Blood Flow Restriction - What I Now Know <i>Lane Bailey, PT, PhD, DPT, CSCS</i> |
| 11:24 | The Hip In Baseball: The MLB Experience <i>Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2</i> | 4:19 | When Things Go Offtrack: Managing Post-Operative Knee ROM Deficits Due To Arthrofibrosis <i>Anil Bhave, PT</i> |
| 11:30 | Feature Lecture: Returning Athletes Back To Play & Being Successful After Hip Surgery <i>John J. Christoforetti, MD</i> | 4:26 | Neuromuscular Training For The ACL Patient <i>Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 11:40 | Clinical Case Presentation With Questions & Answers: Return To Play Considerations For Hip Injuries <i>Case Panel Moderators: Michael L. Voight, DHSc, PT, OCS, SCS, ATC Kevin E. Wilk, PT, DPT, FAPTA</i> <i>Case Panel: Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2 John J. Christoforetti, MD Todd S. Ellenbecker, DPT, MS, CSC, OCS, CSCS Keelan Enseki, MS, PT, OCS, SCS, ATC, CSCS Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS RobRoy L. Martin, PhD, PT, CSCS Marc R. Safran, MD Timothy F. Tyler, MS, PT, ATC</i> | 4:33 | Debate: 21-Year-Old D1 Soccer Player Wants To Sign With The Pros, Seeks Out The Best Exercises To Recover Following ACLR <i>Debate Moderator: Charles A. Thigpen, PT, PhD, ATC</i> 4:33 Pro: Open Kinetic Chain Exercises Brings The Athlete Back To Perform At The Highest Level <i>George J. Davies, DPT, ATC, CSCS</i> 4:38 Pro: Wrong Dude! Closed Kinetic Chain Exercises Win The Day Every Day <i>Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 12:00 | Non-CME Lunch Spotlight Session <i>Please See Pages 82 For Details Lunch Served In Room</i> | 4:43 | Rebuttal <i>George J. Davies, DPT, ATC, CSCS Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 1:00 | DESSERT & VISIT THE EXHIBITS | 4:45 | Integration Of Recovery Science & Load Monitoring For Return To Sport Following ACLR <i>Darin Padua, PhD, ATC</i> |
| 1:45 | Surgical Cadaver Demonstration: ACL Reconstruction: Graft Selection & Management Of Concomitant Injuries: Rehab Implications <i>Section Moderators: Lane Bailey, PT, PhD, DPT, CSCS Kevin E. Wilk, PT, DPT, FAPTA</i> <i>Surgeons: Seth Lawrence Sherman, MD Darren L. Johnson, MD</i> | 4:52 | Factors Associated With Psychological Readiness To Return To Sport After ACLR <i>Elizabeth Wellsandt, PT, DPT, PhD, OCS</i> |
| 3:14 | RETURN TO SPORT CRITERIA AFTER ACLR: PASS A SPORT TEST & IT IS TIME TO PLAY <i>Section Moderators: Robert C. Manske, PT, DPT, SCS, MEd, ATC, CSCS Kevin E. Wilk, PT, DPT, FAPTA</i> | 4:59 | How To Prevent Subsequent Injury Following ACLR: A National Epidemic <i>Darin Padua, PhD, ATC</i> |
| 3:14 | What Should My Patients Know About ACL Injury Risk Before Attempting to Return to Sport: My Secrets <i>Kevin E. Wilk, PT, DPT, FAPTA</i> | 5:06 | Clinical Case Presentations With Questions & Answers: Rehabilitation Issues: Proprioception, Failed My Sport Test, Now What?, Advice For Brace Wear, When Yes, When No, When To Start Skiing, Jogging, Tennis, Collision Sports & Revision ACL Is A Different Rehab Animal? <i>Case Panel Moderators: Lane Bailey, PT, PhD, DPT, CSCS Timothy F. Tyler, MS, PT, ATC</i> <i>Case Panel: Anil Bhave, PT George J. Davies, DPT, ATC, CSCS Darren L. Johnson, MD Darin Padua, PhD, ATC Elizabeth Wellsandt, PT, DPT, PhD, OCS Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 3:21 | Who Really Needs ACL Reconstruction? What We've Learned Following Over 1,000 Patients <i>Elizabeth Wellsandt, PT, DPT, PhD, OCS</i> | | |

ORTHOPAEDIC REHABILITATION •
CEZZANE 1, 2

5:36 LEVERAGING TECHNOLOGY TO IMPROVE ACCESS & OUTCOMES IN ORTHOPAEDICS
 Section Moderator: Michael L. Voight, DHSc, PT,

5:36 Using Technology To Optimize Rehab: What We Need To Know?
 Michael L. Voight, DHSc, PT, OCS, SCS, ATC

5:43 Emerging Technology & How I Choose What 'Cool' Things To Add To My Practice?
 Kevin E. Wilk, PT, DPT, FAPTA

5:50 Using Technology To Optimize Compliance & Success With Home Exercise Programs
 Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2

5:57 Wrap Up & Summary: What I Have Learned Over The Last 3 Days
 Charles A. Thigpen, PT, PhD, ATC
 Michael L. Voight, DHSc, PT, OCS, SCS, ATC
 Kevin E. Wilk, PT, DPT, FAPTA

6:00 End Of Ortho Rehab Program

HIP & KNEE ARTHROPLASTY •
GRAND BALLROOM 3, 6

Hip Arthroplasty Chairs
 Matthew S. Hepinstall, MD
 Scott M. Sporer, MD

Hip Arthroplasty Vice Chairs
 Michael P. Ast, MD
 Neil P. Sheth, MD

Distinguished Professor
 Richard A. Berger, MD
 Alejandro Gonzalez Della Valle, MD

International Honored Professors
 Thorston Gehrke, MD, PhD

12:00 **Non-CME Lunch Spotlight Session**
 Please See Pages 82 For Details
 Lunch Served In Room

1:00 **DESSERT & VISIT THE EXHIBITS**

5:45 THE GIANTS SPEAK UP
 Section Moderator: Scott M. Sporer, MD

1:45 **Distinguished Professor Lecture: Outpatient Hip & Knee Replacement: My 20-Year Experience**
 Richard A. Berger, MD

2:00 **Distinguished Professor Lecture: The Cemented Total Hip - An Art & Science That You Need To Be Able To Do As An Arthroplasty Surgery**
 Alejandro Gonzalez Della Valle, MD

2:15 **International Honored Professor Lecture: How To Diagnose A Periprosthetic Joint Infection: An Update**
 Thorston Gehrke, MD, PhD

2:30 TOTAL HIP ARTHROPLASTY: THE REVISION FEMUR - KEEPING IT SIMPLE, HAVING SUCCESS
 Section Moderator: Karl Koenig, MD, MS MS

2:30 **Evolving Technique: Understanding Femoral Bone Deficiency & Picking The Right Implant To Keep Is Simple**
 William J. Long, MD, FRCSC

2:37 **Evolving Technique: The Removal Of A Well-Fixed Implant: The ETO Done Well & The Role Of A Cemented Stem**
 Hany S. Bedair, MD

2:44 **Evolving Technique: Revision Femur: When It's Hard? How Do You Prepare? The Non-Module, Tapered, Fluted Stem Versus The Modular Stem - The Pros & Cons**
 Frank R. Voss, MD

2:51 TOTAL HIP ARTHROPLASTY: THE REVISION ACETABULUM - KEEPING IT SIMPLE, HAVING SUCCESS
 Section Moderator: Frank R. Voss, MD

2:51 **Evolving Technique: Revision Acetabulum: How To Keep It Simple, Don't Trust The Safe Zone**
 Theodore T. Manson, MD

**REAL INTELLIGENCE
 AND THE CORI SURGICAL
 SYSTEM: NEXT-GENERATION
 HANDHELD ROBOTICS
 BIOSKILLS SESSION
 (TOTAL KNEE ARTHROPLASTY)**

Smith+Nephew

Monday, December 13
2:45 PM - 6:00 PM | Bellagio Ballroom 1 & 5
 Limited Registration. Sign Up Now.



HIP & KNEE ARTHROPLASTY • GRAND BALLROOM 3, 6

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| 2:58 | Evolving Technique: Revision Acetabulum: When It's Hard? The Role Of Cages, The Custom Triflange & Exposure Options To Let You Prepare <i>Peter K. Sculco, MD</i> |
| 3:05 | Evolving Technique: Revision Acetabulum: The Jumbo Cup & Considering Porous Metal Augments - When I Use One Or The Other <i>Frank R. Voss, MD</i> |
| 3:12 | Feature Lecture: Proximal Femur Complex Anatomy, Deformity & Hardware <i>Theodore T. Manson, MD</i> |
| 3:22 | Distinguished Professor Lecture: Total Hip Arthroplasty Revisions: What I Have Learned Through The Years <i>Alejandro Gonzalez Della Valle, MD</i> |
| 3:35 | BREAK & VISIT THE EXHIBITS |
| 4:15 | Clinical Case Presentations With Questions & Answers: Loose Stems From DAA, Well Fixed Stem From DAA, Severe Bone Loss In Femur, Deformity In Femur, Ethical & Compliant Coding In Revision, Acetabular Bone Loss, Gluteus Maximus Tendon Transfer For Revision Total Hip <i>Case Panel Moderators: Matthew S. Hepinstall, MD Neil P. Sheth, MD</i> <i>Case Panel: Michael P. Ast, MD Michael B. Cross, MD Brian R. Hallstrom, MD Karl Koenig, MD, MS Hari Kiran Parvataneni, MD Amar S. Ranawat, MD Peter K. Sculco, MD Benjamin M. Stronach, MD Frank R. Voss, MD</i> |
| 4:35 | TIME TO FORGET THE HOSPITAL: LET'S TAKE OUR JOINTS TO THE AMBULATORY SURGERY CENTER <i>Section Moderators: Michael P. Ast, MD Craig M. McAllister, MD</i> |
| 4:35 | Evolving Technique Update: The Evidence That ASCs Are Safe <i>Craig M. McAllister, MD</i> |
| 4:40 | Evolving Technique Update: Optimizing The Perioperative Protocol: We Can Get It Right, Let Me Show You What I Do <i>Nithin C. Reddy, MD</i> |
| 4:45 | Evolving Technique Update: Anesthesia & Pain Control: They Won't Call You At Night, Let Me Teach You My Tricks <i>Andrew Lucic, MD</i> |

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| 4:50 | COMPLICATIONS PART III: SOLVING HIP CONUNDRUMS <i>Section Moderator: David J. Mayman, MD</i> |
| 4:50 | Debate: 57-Year-Old Ice Hockey Referee Crashed Into The Boards, Develops Hip Pain, Can't Skate, Realizes It Is Time For His Primary Total Hip & Demands To Go To The ASC But It Goes Bad <i>Debate Moderator: Matthew S. Hepinstall, MD</i> |
| 4:50 | Pro: The Posterior Approach With An Intraoperative Crack During Cementless Femoral Prosthesis Placement: How I Know When A New Stem Is Needed & How Many Cables To Place <i>Benjamin M. Stronach, MD</i> |
| 4:55 | Pro: It's An Anterior Based Muscle Sparing Approach With An Intraoperative Crack, I Still Can Put As Many Cables As I Want Safely: I Am Happy I Didn't Go With A Posterior Approach <i>Richard A. Berger, MD</i> |
| 5:00 | Debate: 53-Year-Old Sumo Wrestler Who Took Up Yoga Now With Pain In His Groin After His Total Hip <i>Debate Moderator: William J. Long, MD, FRCSC</i> |
| 5:00 | Pro: Psoas Tendinitis Is The Diagnosis, Tenotomy Is The Answer <i>Anil S. Ranawat, MD</i> |
| 5:05 | Pro: Psoas Tendinitis Is The Diagnosis, Revision Is The Answer <i>Scott M. Sporer, MD</i> |
| 5:10 | Evolving Technique Update: 85-Year-Old Community Ambulator Slips On The Newly Waxed Floor, The Diagnosis Is Torn Abductors: Open Abductor Repair Will Return The Strength - Let Me Show You <i>Anil S. Ranawat, MD</i> |
| 5:15 | Evolving Technique: Reconstructing Femoral Bone Loss: 8 Tips, 8 Minutes <i>William J. Long, MD, FRCSC</i> |
| 5:23 | Evolving Technique: Reconstructing The Deficient Acetabulum: 8 Tips, 8 Minutes <i>Gwo-Chin Lee, MD</i> |
| 5:31 | Clinical Case Presentations With Questions & Answers: Anything Goes: Stump The Stars <i>Case Panel Moderators: Amar S. Ranawat, MD Scott M. Sporer, MD</i> <i>Case Panel: Richard A. Berger, MD Friedrich Boettner, MD Gwo-Chin Lee, MD William J. Long, MD, FRCSC David J. Mayman, MD Craig M. McAllister, MD Joseph T. Moskal, MD, FACS Benjamin M. Stronach, MD Frank R. Voss, MD</i> |
| 6:00 | End Of Hip Arthroplasty Program |

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


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| <p>Educational Content Endorsed By</p>  | <p><i>Knee Sports, Cartilage & Biologics Chair</i> Kevin F. Bonner, MD</p> <p><i>Knee Sports, Cartilage & Biologics Co-Chairs</i> Rachel M. Frank, MD Seth Lawrence Sherman, MD</p> <p><i>Honored Professors</i> Charles A. Bush-Joseph, MD Edward R. McDevitt, MD</p> <p><i>Distinguished Professor</i> Mark D. Miller, MD Kurt P. Spindler, MD</p> |
| | <p>12:00 Non-CME Lunch Spotlight Session <i>Please See Pages 82 For Details</i> Lunch Served In Room</p> |
| | <p>1:00 DESSERT & VISIT THE EXHIBITS</p> |
| | <p>1:45 WELCOME & INTRODUCTION Kevin F. Bonner, MD Rachel M. Frank, MD Seth Lawrence Sherman, MD</p> |
| <p>1:50 SAVING THE MENISCUS IN 2021! <i>Section Moderator: Sean McMillan, DO, FAOAO</i></p> | |
| <p>1:50 Evolving Technique: Repair vs. Resect: What I Really Do When No One Is Watching <i>Nicholas A. Sgaglione, MD</i></p> | |
| <p>1:57 Honored Professor Lecture: So Many Repair Techniques: How I Choose In 2021 <i>Charles A. Bush-Joseph, MD</i></p> | |
| <p>2:07 Evolving Technique Update: My Repairs Need Biologic Augmentation: My Results Are Better - Let Me Share A Few Secrets! <i>Jorge Chahla, MD, PhD</i></p> | |
| <p>2:13 Evolving Technique Mini-Update: Pushing The Envelope in Meniscus Repair: Complex Tears & Ramp Lesions <i>David C. Flanigan, MD</i></p> | |
| <p>2:18 Evolving Technique Video Update: Radial Repair Made Easy: 5 Tips In 5 Minutes <i>Aaron J. Krych, MD</i></p> | |
| <p>2:23 Evolving Technique Video Update: Acute ACL With A Lateral Root: Stand Back, No Hocus Pocus <i>David R. Diduch, MD, MS</i></p> | |
| <p>2:28 Debate: 50-Year-Old Woman With 3 Degrees Of Varus, K-L 1 & A BMI Of 36 Hit By A Slow Moving Bicycle & Knocked Down Now With A Peripheral Meniscus Tear On MRI <i>Debate Moderator: Rachel M. Frank, MD</i> 2:28 Pro: Caution To The Wind! Leave It Alone <i>Julie A. Dodds, MD</i> 2:33 Pro: Wake Up! All-Inside Knotless Repair As Good As Inside Out - Learn The Latest & Greatest Technology <i>Kenneth R. Zaslav, MD</i></p> | |

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| <p>2:38 Debate: 21-Year-Old College Wrestler With Lateral Bucket Handle Meniscus Tear <i>Debate Moderator: David C. Flanigan, MD</i> 2:38 Pro: All-Inside Razzle Dazzle Repair <i>Mary K. Mulcahey, MD</i> 2:43 Pro: 'Classic' Inside-Out Repair Yields Perfection Every Time <i>Kevin F. Bonner, MD</i></p> | |
| <p>2:48 Debate: 18-Year-Old D1 College Football Running Back, Now Mid-Season With Anterolateral Horizontal Meniscal Tear & A Meniscal Cyst <i>Debate Moderator: Aaron J. Krych, MD</i> 2:48 Pro: Resect Part Of The Meniscus Today & Return To Play In 2 Weeks <i>Brian J. Cole, MD, MBA</i> 2:53 Pro: Slow Down! Full Repair Will Save The Knee <i>Seth Lawrence Sherman, MD</i></p> | |
| <p>2:58 Evolving Technique Update: Bionate Thermoplastic Polycarbonate-Urethane (PCU) Meniscus Implant: Say What?!? <i>Thomas R. Carter, MD</i></p> | |
| <p>3:06 Clinical Case Presentations With Questions & Answers: Meniscus Repair or Resect?! Nowhere To Run, Nowhere To Hide <i>Case Panel Moderators: Kevin F. Bonner, MD Nicholas A. Sgaglione, MD</i> <i>Case Panel: Thomas R. Carter, MD Brian J. Cole, MD, MBA Jorge Chahla, MD, PhD Julie A. Dodds, MD Seth Lawrence Sherman, MD Aaron J. Krych, MD Mary K. Mulcahey, MD John C. Richmond, MD Kenneth R. Zaslav, MD</i></p> | |
| <p>3:36 BREAK & VISIT THE EXHIBITS</p> | |
| <p>4:15 PATELLOFEMORAL 2021: EVOLUTION, CONTROVERSY & HOT TOPICS! <i>Section Moderator: Lutul D. Farrow, MD, FAOA</i></p> | |
| <p>4:15 Evolving Technique: Patellofemoral Instability: How I Have Changed Over 20 Years <i>Lutul D. Farrow, MD, FAOA</i></p> | |
| <p>4:22 Evolving Technique: My Options For Reconstruction Of The MPFL: How I Get It Right <i>Adam B. Yanke, MD, PhD</i></p> | |
| <p>4:29 Evolving Technique: The USA Trochleoplasty: When & How I Do It <i>David R. Diduch, MD, MS</i></p> | |
| <p>4:36 The Trochlear Dilemma: How I Tackle Instability Without Trochleoplasty <i>David R. Diduch, MD, MS</i></p> | |
| <p>4:46 Evolving Technique Update: The Tibial Tubercle: When Is It Time & How Do I Succeed <i>William R. Beach, MD</i></p> | |

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

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| 4:52 | Evolving Technique Update: TTO Gathering Dust: Making Multiplane Corrections Safe & Easily Done <i>Seth Lawrence Sherman, MD</i> |
| 4:58 | Debate: A 16-Year-Old Ballerina With Patella Alta & A Dysplastic Trochlea Dislocates Her Patella During Her High School Nutcracker Suite Performance <i>Debate Moderator: Robert A. Magnussen, MD</i> |
| 4:58 | Pro: Nonoperative Classic Treatment Is Best: It's The Gold Standard- Here To Stay <i>Lutul D. Farrow, MD, FAOA</i> |
| 5:04 | Pro: Get With The Times My Midwestern Young Man: Risk Stratify & Consider Early Stabilization <i>David R. Diduch, MD</i> |
| 5:10 | Commentary: Let My Experience Speak <i>Robert A. Magnussen, MD</i> |
| 5:13 | Debate: 23-Year-Old Female MPH Student In A Pick Up Basketball Game Dislocated Her Patella For The 5th Time Known To Have A C-D 1.4 With Severe Trochlear Dysplasia <i>Debate Moderator: Adam B. Yanke, MD, PhD</i> |
| 5:13 | Pro: MPFL Reconstruction Nothing More, Keep It Simple, Safe & Effective <i>Jason L. Koh, MD, MBA</i> |
| 5:19 | Pro: More Is Less! Treat The Bone, Time For The A La Carte Menu <i>Robert A. Magnussen, MD</i> |
| 5:25 | Commentary: Let My Experience Speak <i>David R. Diduch, MD</i> |
| 5:28 | Debate: 37-Year-Old Female Distance Runner With Anterior Knee Pain, Diffuse Patellar Chondrosis, Failed All Types Of Injections & Physical Therapy Begging For Pain Relief <i>Debate Moderator: Lutul D. Farrow, MD, FAOA</i> |
| 5:28 | Pro: Cartilage Transplantation Plus Tibial Tubercle Osteotomy: She's Young, Need To Preserve The Joint! <i>William R. Beach, MD</i> |
| 5:34 | Pro: Are You Kidding?!? Help The Woman! Patellofemoral Arthroplasty - One & Done! <i>Jason L. Koh, MD, MBA</i> |
| 5:40 | Clinical Case Presentations With Questions & Answers: Patellofemoral 'Potpourri': From Instability to Arthritis <i>Case Panel Moderators: David R. Diduch, MD, MS Jason L. Koh, MD, MBA</i> <i>Case Panel: William R. Beach, MD Kevin F. Bonner, MD Thomas R. Carter, MD Lutul D. Farrow, MD, FAOA Aaron J. Krych, MD Christian Lattermann, MD Robert A. Magnussen, MD Seth Lawrence Sherman, MD Kenneth R. Zaslav, MD</i> |
| 6:05 | End Of Knee Sports Session Day 2 |

SHOULDER ARTHROPLASTY: •
GRAND BALLROOM 7, 9

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|  Recognizes the Educational Content of this Program | Shoulder Arthroplasty Co-Chairs Joseph A. Abboud, MD Lawrence V. Gulotta, MD Anand M. Murthi, MD |
| | Honored Professors David M. Dines, MD Peter B. MacDonald, MD, BSc, LMCC, FRCSC Edward R. McDevitt, MD |
| | Distinguished Professor Anthony Miniaci, MD |
| | Lifetime Achievement Award Russell F. Warren, MD |
| 12:00 | Non-CME Lunch Spotlight Session <i>Please See Pages 82 For Details</i> Lunch Served In Room |
| 1:00 | DESSERT & VISIT THE EXHIBITS |
| 1:30 | WELCOME & INTRODUCTION <i>Joseph A. Abboud, MD Lawrence V. Gulotta, MD</i> |
| 1:35 | LIVE SURGERY |
| | STEMLESS TOTAL SHOULDER ARTHROPLASTY <i>Surgeon: Tyler Marshall, MD Surgery Moderator: Anthony Miniaci, MD</i> Supported By An Educational Grant By Anika Therapeutics |
| 2:05 | ANATOMIC SHOULDER ARTHROPLASTY <i>Section Moderator: Thomas W. Wright, MD</i> |
| 2:05 | Debate: 57-Year-Old Former Steroid User With Stretch Marks, Played Fullback In High School & Right Guard For D3 College Football, Can't Lift His Grandchild <i>Debate Moderator: Evan L. Flatow, MD</i> |
| 2:05 | Pro: It's Anatomic Total Shoulder Arthroplasty Time: Let's Have A Hush Among The Audience <i>Thomas W. Wright, MD</i> |
| 2:11 | Pro: Wrong! Reverse Shoulder Arthroplasty Is The Answer: I Can Talk Fast, I Can Do It Faster <i>Edward R. McDevitt, MD</i> |
| 2:17 | Evolving Technique Video Update: The Reproducible Humeral Exposure: 7 Tips, 7 Minutes <i>Evan L. Flatow, MD</i> |
| 2:24 | Evolving Technique Video Update: The Reproducible Glenoid Exposure: 7 Tips, 7 Minutes <i>Jay D. Keener, MD</i> |
| 2:31 | Evolving Technique Update: 32-Year-Old Former Country Club Paddle Champion During The COVID Pandemic, Now With Pain & Crunching Noises In His Shoulder, Wants An Arthroscopic Debridement To Solve The Problem, No Metal Please! <i>Christopher R. Chuinard, MD, MPH</i> |

SHOULDER ARTHROPLASTY: • GRAND BALLROOM 7, 9

2:36 LIVE SURGERY
STEMLESS TOTAL SHOULDER ARTHROPLASTY
Surgeon: Michael P. Bradley, MD, MBA, MS, CPE
Surgery Moderator: Howard H. Harris, MD
Supported By An Educational Grant By FX Shoulder

3:16 CONTROVERSIAL TOPICS IN ANATOMIC TOTAL SHOULDER ARTHROPLASTY
Section Moderator: Xavier A. Duralde, MD

- 3:16 **Evolving Technique Update: Wake Up Shoulder Surgeons! Preop Planning & Navigation Is Here In 2021: We Do It In The Hips & Knees, It's Our Time!**
Jonathan C. Levy, MD
- 3:21 **Evolving Technique Update: Metal Backed Glenoids: I Have Been Doing It For Years, Start Listening To Me & Hear My Experience!**
Lawrence V. Gulotta, MD
- 3:26 **Evolving Technique Update: Alternative Bearing Surfaces: Turn Your Phones On, Tweet My Brilliance, Get Educated & Pay Attention**
Joseph A. Abboud, MD
- 3:31 **Commentary: Utilizing New Technology For A Successful Outcome Of My Total Shoulder Arthroplasty: I Have Changed & This Is Why**
Anthony Miniaci, MD
- 3:34 **Evolving Technique Update: A, B, C..., Easy As 1, 2, 3....Oops 'D': The Walch Classification? Time To Learn It**
Leesa M. Galatz, MD
- 3:40 **Evolving Technique Update: Can We Stop Glenoid Deformity Or Are We Kidding Ourselves**
Jonathan C. Levy, MD

3:45 BREAK & VISIT THE EXHIBITS

4:15 OUT OF THE BOX PROSTHESES
Section Moderator: Sara L. Edwards, MD

- 4:15 **Evolving Technique Update: Total Shoulder With Chamfer Cuts: It's Here, Successful, Let Me Tell You More**
J. Michael Wiater, MD
- 4:20 **Evolving Technique Update: Stemless Total Shoulders & Why I Don't Worry**
Kevin D. Plancher, MD, MPH, FAAOS, FAOA

4:25 INNOVATION IN TOTAL SHOULDER ARTHROPLASTY
Section Moderator: Ronald A. Navarro, MD

- 4:25 **Evolving Technique Update: The Ovoid Humerus: Say What! It's Time To Resurface The Humerus**
Anthony Miniaci, MD
- 4:30 **Evolving Technique Update: The Inlay Glenoid: What Does That Mean? Do You Mean Onlay Or Inlay?**
Wasik Ashraf, DO
- 4:35 **Evolving Technique Update: Optimizing Component Positioning & Sizing In Total Shoulder Arthroplasty**
Thomas Wright, MD

- 4:40 **Evolving Technique Update: Outpatient Subscap-Sparing Approach To TSA**
Ryan W. Simovitch, MD

- 4:45 **Clinical Case Presentations With Questions & Answers: Selecting The Right Glenoid, The Role Of Navigation, Complications In Total Shoulder Arthroplasty, Inlay Vs Onlay Glenoids, Pegged Vs. Keeled Glenoids, Periprosthetic Fractures, Stemless TSA, Outpatient Subscap**
Case Panel Moderators: Augustus D. Mazzocca, MS, MD, FAAOS
Robert Z. Tashjian, MD
Case Panel: Joseph A. Abboud, MD
Stephen F. Brockmeier, MD
Leesa M. Galatz, MD
Eric T. Ricchetti, MD
Paul M. Sethi, MD
Ryan W. Simovitch, MD
John W. Sperling, MD, MBA
Thomas Quin Throckmorton, MD, FAAOS
Thomas W. Wright, MD

5:15 COMPLICATIONS IN SHOULDER ARTHROPLASTY: HOW TO AVOID THEM
Section Moderator: Leesa M. Galatz, MD

- 5:15 **Feature Lecture: Glenoid Component Loosening in Anatomic Total Shoulder Arthroplasty: X-Ray Predictors & How I Judge My Patients**
Evan L. Flatow, MD
- 5:23 **Evolving Technique Update: The Flail Arm: How I Avoid Nerve Injuries**
John W. Sperling, MD, MBA
- 5:28 **Evolving Technique Update: Infection After Arthroplasty: How To Avoid, What Are The Rules, My Tricks - Any Consensus?**
Eric T. Ricchetti, MD
- 5:33 **Clinical Case Presentations With Questions & Answers: The Future & Evolution Of Total Shoulder Arthroplasty: A Potpourri & The Role Of The Subscapularis**
Case Panel Moderators: Joseph A. Abboud, MD
Lawrence V. Gulotta, MD
Case Panel: David M. Dines, MD
Sara L. Edwards, MD
Evan L. Flatow, MD
Leesa M. Galatz, MD
Peter B. MacDonald, MD, BSc, LMCC, FRCS
Eric T. Ricchetti, MD
John W. Sperling, MD, MBA
John M. "JT" Tokish, MD
Thomas W. Wright, MD

- 6:00 **End Of Shoulder Arthroplasty Program**

HIP SPORTS • MONET 1, 2

Educational Content Endorsed By

 *Hip Sports* Co-Chairs
Allston J. Stubbs, MD, MBA
T. Sean Lynch, MD

International Honored Professors
A. (Tony) J. Andrade, MSc, FRCS (Tr&Orth)
Victor M. Ilizaliturri, Jr., MD

Distinguished Professor
Robert L. Buly, MD
John C. Clohisy, MD

| | |
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| 12:00 | Non-CME Lunch Spotlight Session Please See Pages 82 For Details Lunch Served In Room |
| 1:00 | DESSERT & VISIT THE EXHIBITS |
| 1:45 | WELCOME & INTRODUCTION Joseph A. Abboud, MD Brian D. Busconi, MD Ronald A. Navarro, MD Stephanie C. Petterson, MPT, PhD Allston J. Stubbs, MD, MBA |
| 1:50 | WELCOME & INTRODUCTION T. Sean Lynch, MD Allston J. Stubbs, MD, MBA |
| 1:55 | SO YOU WANT TO BE A HIP ARTHROSCOPIST: HERE ARE SOME TOOLS TO GET STARTED Section Moderator: John J. Christoforetti, 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: I Can See Clearly Now...How to Make Sense Of These Radiographs Jorge A. Chahla, MD, PhD |
| 2:05 | Feature Lecture: I Wish That I Knew What I Know Now: My Evolution As A Hip Arthroscopist J.W. Thomas Byrd, MD, FAOA |
| 2:15 | Evolving Technique Update: Tips From The Training Room To Help Keep Athletes In The Game Thomas H. Wuerz, MD, MSc |
| 2:20 | Evolving Technique Update: Through The PT Eyes: How Can I Help Athletes With FAI Syndrome Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2 |
| 2:25 | SEPARATING SPORTS HIP FACT FROM FICTION: THE TRUTH PLEASE! Section Moderator: Brian D. Giordano, MD, FAOA |
| 2:25 | Debate: CT Scans Preop: Are They Necessary? Debate Moderator: J.W. Thomas, MD, FAOA |
| 2:25 | Pro: Of Course...I Can See Clearly Now! Shane J. Nho, MD, MS |
| 2:30 | Pro: No Way! Spare The Patient The Radiation Andrew B. Wolff, MD |

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| 2:35 | Panel: 31-Year-Old Ex-College Hockey Player With A Hip Labral Tear & Joint Space Narrowing Panel Moderator: Victor M. Ilizaliturri, Jr., MD |
| 2:35 | Pro: Inject Me Again! Corticosteroids, Hyaluronic Acid, PRP & Anything More Please! Stephen K. Aoki, MD |
| 2:40 | Pro: Give Me A Scope & Let Me Work My Magic! John J. Christoforetti, MD |
| 2:45 | Pro: Don't Fool Yourself: Let's Resurface The Hip Thomas P. Gross, MD |
| 2:50 | Pro: Total Hip Is The Way To Go In 2021 Robert L. Buly, MD |
| 2:55 | Debate: 21-Year-Old Undergoing A Labral Reconstruction Debate Moderator: Stephen K. Aoki, MD |
| 2:55 | Pro: Standard Suture Anchors Are The Secret: Don't Kill A Good Thing Jovan R. Laskovski, MD |
| 3:00 | Pro: Knotless Anchors: Save Your Fingers & Get The Results! Benjamin G. Domb, MD |
| 3:05 | Clinical Case Presentations With Questions & Answers: MRI Correlation: How Good Is The Panel? How Good Are You? Case Panel Moderators: T. Sean Lynch, MD Allston J. Stubbs, MD, MBA Case Panel: A. (Tony) J. Andrade, MSc, FRCS (Tr&Orth) Stephen K. Aoki, MD J.W. Thomas Byrd, MD, FAOA John C. Clohisy, MD Victor M. Ilizaliturri, Jr., MD Jovan R. Laskovski, MD Shane J. Nho, MD, MS Andrew B. Wolff, MD Thomas H. Wuerz, MD, MSc |
| 3:35 | BREAK & VISIT THE EXHIBITS |
| 4:15 | Panel: Doc, I'm Afraid Of Pain! Post-Op Pain Control: My Way Is Best! Panel Moderator: Thomas H. Wuerz, MD, MSc |
| 4:15 | Pro: Less Is More.. Don't Forget Capsule & Portal Injections - It Does The Trick Srino Bharam, MD |
| 4:20 | Pro: Spinal Epidural: Let's Get Moving Now Shane J. Nho, MD, MS |
| 4:25 | Pro: Iliac Fascial Block: All Sensory & No Motor! Stephen K. Aoki, MD |

HIP SPORTS • MONET 1, 2

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| 4:30 | <p>Panel: It's All About The Hip Capsule: Keys To Surgical Success <i>Panel Moderator: A. (Tony) J. Andrade, MSc, FRCS (Tr&Orth)</i></p> <p>4:30 Pro: Capsulotomy Is So 2010 & Completely Unnecessary: Do It Through Poke Holes! <i>Allston J. Stubbs, MD, MBA</i></p> <p>4:35 Pro: Not Too Big, Not Too Small, Interportal Capsulotomy Is All You Need! <i>Andrew B. Wolff, MD</i></p> <p>4:40 Pro: T-Capsulotomy: Don't Sell Yourself Short! <i>Shane J. Nho, MD, MS</i></p> |
| 4:45 | <p>International Honored Professor Lecture: The Role of Physiotherapy & FAI Syndrome: The English Perspective <i>A. (Tony) J. Andrade, MSc, FRCS (Tr&Orth)</i></p> |
| 5:00 | <p>Evolving Technique Update: Core Muscle Injuries Made Simple: Tips From A General Surgeon <i>Mark P. Zoland, MD, FACS</i></p> |
| 5:05 | <p>Distinguished Professor Lecture: Through My Eyes: What I Am Looking At When Evaluating The Dysplastic Hip <i>John C. Clohisy, MD</i></p> |
| 5:20 | <p>Panel: 49-Year-Old Female Triathlete With 3 Years Of Posterior Hip Pain? What Is This Pain In My Butt <i>Panel Moderator: T. Sean Lynch, MD</i></p> <p>5:20 Pro: It's Your Piriformis Silly! You Need to Relax - I Can Treat It <i>Brian D. Busconi, MD</i></p> <p>5:25 Pro: It's A Partial Hamstring Tear: Troublesome At Times For The Endurance Athlete - Maybe <i>Carlos A. Guanche, MD</i></p> |
| 5:30 | <p>Evolving Technique Update: Greater Trochanteric Pain Syndrome: Another Source Of PTSD For The Hip Sports Medicine Provider: How I Manage It <i>Andrew B. Wolff, MD</i></p> |
| 5:35 | <p>Clinical Case Presentations With Questions & Answers: Lightning Round: What's The Diagnosis <i>Case Panel Moderators: Shane J. Nho, MD, MS Allston J. Stubbs, MD, MBA</i></p> <p><i>Case Panel: Stephen K. Aoki, MD J.W. Thomas Byrd, MD, FAOA Ashley Campbell, PT, DPT, SCS, CSCS, CGFI-2 Benjamin G. Domb, MD Carlos A. Guanche, MD T. Sean Lynch, MD Andrew B. Wolff, MD Thomas H. Wuerz, MD, MSc</i></p> |
| 6:00 | <p>End Of Hip Sports Program</p> |

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

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| <p>Educational Content Endorsed By </p> | | <p><i>Knee Sports, Cartilage & Biologics Chair Kevin F. Bonner, MD</i></p> <p><i>Knee Sports, Cartilage & Biologics Co-Chairs Rachel M. Frank, MD Seth Lawrence Sherman, MD</i></p> <p><i>Honored Professors Charles A. Bush-Joseph, MD Edward R. McDevitt, MD</i></p> <p><i>Distinguished Professor Mark D. Miller, MD Kurt P. Spindler, MD</i></p> |
| 6:50 | <p>WELCOME & INTRODUCTION ACL INJURY, RECONSTRUCTION & REHAB: SO MUCH CONTROVERSY, NOT SIMPLE ANSWERS <i>Kevin F. Bonner, MD Rachel M. Frank, MD Seth Lawrence Sherman, MD</i></p> | |
| <p>6:55 NEW INNOVATIONS & BACK TO THE FUTURE: KNEE SPORTS ACL <i>Section Moderator: Kevin F. Bonner, MD</i></p> | | |
| 6:55 | <p>Debate: 38-Year-Old CEO For A Private VC Firm Falls Skiing On Opening Day Answering Her Phone For A 'Big Deal', MRI Says Proximal Avulsion <i>Debate Moderator: Mary K. Mulcahey, MD</i></p> | <p>6:55 Pro: Primary Repair With Augmentation Gets Her Back On The Slopes in 2.5 Months <i>Gregory S. DiFelice, MD</i></p> <p>7:00 Pro: Please Respect The Literature & Dr. Feagan, Reconstruction Is The Only Answer <i>Kurt P. Spindler, MD</i></p> |
| 7:05 | <p>Evolving Technique: Porous Collagen Sponge With Bioresorbable Microfilaments, Say What?!? Getting The ACL To Heal Better & Faster <i>Sean McMillan, DO, FAOAO</i></p> | |
| 7:12 | <p>Debate: 23-Year-Old Soccer Player From Manchester United Wants The Most Anatomic ACL <i>Debate Moderator: Charles A. Bush-Joseph, MD</i></p> | <p>7:12 Pro: The Transtibial Approach Still Works, I Am Right! Mine Don't Fail <i>Julie A. Dodds, MD</i></p> <p>7:17 Pro: The Low Anteromedial Portal Has Been Here For Years, Move Aside Professor <i>Armando F. Vidal, MD</i></p> |
| 7:22 | <p>Evolving Technique Video Update: Avoiding Technical Problems When Reaming Thru The AM Portal <i>Kevin F. Bonner, MD</i></p> | |
| 7:27 | <p>Evolving Technique Update: ACL Tunnel Placement: Reliably Hitting The Bullseye In 2021 <i>Mark D. Miller, MD</i></p> | |

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

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| 7:32 | <p>Evolving Technique Video Update Panel: ACL Graft Harvest & Preparation: Pearls & Pitfalls To My Success</p> <p><i>Panel Moderator: Kurt P. Spindler, MD</i></p> <p>7:32 Pro: Patellar Tendon: You Can Kneel Without Pain <i>Darren L. Johnson, MD</i></p> <p>7:37 Pro: Hamstrings: Getting The Right Size Every Time <i>William I. Sterett, MD</i></p> <p>7:42 Pro: Quad Tendon +/- Bone Plug: Tips I Have Learned <i>John W. Xerogeanes, MD</i></p> |
| 7:47 | <p>Commentary: ACL Graft Selection: Why We Can't Agree: Factors Affecting Decision-Making <i>John C. Richmond, MD</i></p> |
| 7:55 | <p>Allograft ACL Graft Update: Why, When & What To Use - You Can Have Success <i>Thomas R. Carter, MD</i></p> |
| 8:03 | <p>ACL Graft Fixation: Screws - Metal Or Absorbable, Suspensory Fixation, Back-Up, When I Use What & Why, My Secrets <i>Charles A. Bush-Joseph, MD</i></p> |
| 8:11 | <p>Feature Lecture: MRI Of The ACL Injured Knee: Diagnosing Everything Including The Posterolateral Corner - Can You Read The Axials & Associated Injuries, Here's Your Quiz - A Quick Exam With Cases <i>Hollis G. Potter, MD</i></p> |
| 8:28 | <p>ACL QUESTIONS YOU NEED ANSWERED TO HELP YOU AND YOUR PATIENTS <i>Section Moderator: Charles A. Bush-Joseph, MD</i></p> |
| 8:28 | <p>The Pediatric ACL: Everything You Need To Know - 10 Minutes, 10 Tips, Stay Current <i>George A. Paletta, Jr., MD, MBA</i></p> |
| 8:38 | <p>Distinguished Professor Lecture: What The MOON Group Has Taught Us & You Need To Know When Someone Asks - 10 Facts, 10 Minutes <i>Kurt P. Spindler, MD</i></p> |
| 8:48 | <p>Evolving Technique: The LET (Lateral Extra-Articular Tenodesis): I Keep Hearing So Much - When & How In 2021 <i>Seth Lawrence Sherman, MD</i></p> |
| 8:55 | <p>Evolving Technique: Minimally Invasive ALL (Anterior Lateral Ligament): It's Better than LET and Here's Why <i>Gregory S. DiFelice, MD</i></p> |

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| 9:00 | <p>Clinical Case Presentations With Questions & Answers: Rapid Fire Answers, Putting The Faculty On The Spot - All You Need To Know About The ACL Through Real Clinical Case Scenarios <i>Case Panel Moderators: Mark D. Miller, MD George A. Paletta, Jr., MD, MBA</i></p> <p><i>Case Panel: Charles A. Bush-Joseph, MD Gregory S. DiFelice, MD Rachel M. Frank, MD Mary K. Mulcahey, MD John Richmond MD Kurt P. Spindler, MD William I. Sterett, MD Armando F. Vidal, MD John W. Xerogeanes, MD</i></p> |
| 9:30 | <p>BREAK & VISIT THE EXHIBITS</p> |
| 10:00 | <p>RETURN TO PLAY & PAIN-FREE PROCEDURES <i>Section Moderator: William I. Sterett, MD</i></p> |
| 10:00 | <p>Debate: The Anesthesia Debate: Doctor Do You Want An Adductor Block & An I-Pack For Your ACL Patient? <i>Debate Moderator: William I. Sterett, MD</i></p> <p>10:00 Pro: Yes! They Are Safe Even In Athletes & Better Than Just Local, Sometimes I Use Even A Catheter <i>Andrew Lucic, MD</i></p> <p>10:05 Pro: No! Local Just As Good, Too Much Persistent Weakness & No Long-Lasting Pain Relief <i>Mary K. Mulcahey, MD</i></p> |
| 10:10 | <p>Evolving Technique Update: Not Just A Sleeve! The Bioactive Fabric Of The Future Your Patients Will Actually Want To Wear To Improve Their Recovery <i>James Paci, MD</i></p> |
| 10:15 | <p>Return To Play: Evidence-Based Criteria You Need To Know & How I Succeed With My Patients, It Is Not Only About The Surgery <i>Kevin E. Wilk, PT, DPT, FAPTA</i></p> |
| 10:24 | <p>ACL DILEMMAS & COMPLICATIONS <i>Section Moderator: Charles A. Bush-Joseph, MD</i></p> |
| 10:24 | <p>Evolving Technique: 6 Common Reasons For ACL Failures: Listen Up, I Have Walked That Road <i>Annunziato Amendola, MD</i></p> |
| 10:30 | <p>Evolving Technique: Increased Posterior Tibial Slope: It's Seen Me, I Never Saw It, It Is A Bigger Problem Than I Thought - Beware! <i>Seth Lawrence Sherman, MD</i></p> |
| 10:36 | <p>Evolving Technique: 32-Year-Old Marathoner Runner With Hypothyroidism & Diabetes Decided To Stop Her Rehab: The Stiff Knee After ACL Surgery - What I Do <i>Charles A. Bush-Joseph, MD</i></p> |
| 10:42 | <p>Evolving Technique: 6 Tips To Prevent & Manage The Infected ACL <i>Christopher C. Kaeding, MD</i></p> |

Don't Forget to Claim
UP TO **37.75**
CME/CEU Credits!
Certificate Instructions Located On Pages 21 & 40

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

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| 10:48 | Evolving Technique: Stop The Clock, I've Seen It All, Getting Yourself Out Of All Intra-op ACL Problems - From Torn Grafts To Broken Screws, Listen Up! <i>Russell F. Warren, MD</i> |
| 10:54 | Debate: 17-Year-Old Female Field Hockey Player Failed Hamstring, Now Revised With BTB, Grade 2 Pivot: The Role Of LET Or ALL? <i>Debate Moderator: John W. Xerogeanes, MD</i> 10:54 Pro: You Bet I'm Adding An Extra-articular Procedure To This Patient <i>Darren Johnson, MD</i> 10:59 Pro: A Well Done BTB Graft Solves The Problem <i>Christopher C. Kaeding, MD</i> |
| 11:04 | Distinguished Professor Lecture: Revision ACL Surgery: Decision-Making, Decelerated Rehab: My Pearls For Success - You Can Get Great Results <i>Mark D. Miller, MD</i> |
| 11:14 | Evolving Technique Video Update: My Tips For Grafting Lytic Previous ACL Tunnels - So Many New Options <i>Aaron J. Krych, MD</i> |
| 11:20 | COMBINED MULTI-LIGAMENTS & REVISION ACL RECONSTRUCTION <i>Section Moderator: Aaron J. Krych, MD</i> |
| 11:20 | Evolving Technique Update: The ACL/MCL Combined Injury: My Algorithm For Repair & When I Use Allograft <i>Darren L. Johnson, MD</i> |
| 11:25 | Debate: Acute ACL/Isolated Midsubstance LCL Injury With 2-3 mm Opening On Stress X-Rays <i>Debate Moderator: Rachel M. Frank, MD</i> 11:25 Pro: Fix It All! Acute ACL-LCL Repair/ Reconstruction - Make Him Whole <i>Christopher C. Kaeding, MD</i> 11:30 Pro: Reconstruct The ACL, Nonoperative Treatment For The LCL <i>Kurt Spindler, MD</i> |
| 11:35 | Clinical Case Presentations With Questions & Answers: ACL Complications, Revisions & Multi-ligament Cases You Will See At Home <i>Case Panel Moderators: Charles A. Bush-Joseph, MD Mark D. Miller, MD</i> <i>Case Panel: Kevin F. Bonner, MD Julie A. Dodds, MD Russell F. Warren, MD Darren Johnson, MD Christopher C. Kaeding, MD Aaron J. Krych, MD Kurt Spindler, MD Nicholas Sgaglione, MD Kevin E. Wilk, PT, DPT, FAPTA</i> |
| 12:00 | Non-CME Lunch Spotlight Session <i>Please See Page 83 For Details</i> Lunch Served In Room |
| 1:00 | DESSERT & VISIT THE EXHIBITS |
| 1:45 | Join Shoulder Program |

SHOULDER SPORTS & ARTHROPLASTY •
GRAND BALLROOM 3 & 6

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|  <p><i>Shoulder Sports & Arthroplasty Co-Chairs</i> Joseph A. Abboud, MD Lawrence V. Gulotta, MD, Anand M. Murthi, MD</p> <p><i>Honored Professors</i> David M. Dines, MD Peter B. MacDonald, MD, BSc, LMCC, FRCS Edward R. McDevitt, MD</p> <p><i>Distinguished Professor</i> Anthony Miniaci, MD</p> <p><i>Lifetime Achievement Award</i> Russell F. Warren, MD</p> <p>Recognizes the Educational Content of this Program Educational Content Endorsed By AANA and ISAKOS Approved-Course</p> | |
| 6:55 | WELCOME & INTRODUCTION <i>Joseph A. Abboud, MD Brian D. Busconi, MD Ronald A. Navarro, MD Stephanie C. Petterson, MPT, PhD Allston J. Stubbs, MD, MBA</i> |
| 7:00 | WELCOME & INTRODUCTION <i>Joseph A. Abboud, MD Lawrence V. Gulotta, MD Anand M. Murthi, MD</i> |
| 7:05 | REVERSE SHOULDER ARTHROPLASTY: A PRIMER TO SUCCESS <i>Section Moderator: Lawrence V. Gulotta, MD</i> |
| 7:05 | How I Do The Perfect Reverse Shoulder Arthroplasty Every Time <i>Thomas Quin Throckmorton, MD, FAAOS</i> |
| 7:13 | Evolving Technique: How I Revise A Total Shoulder To A Reverse Shoulder Arthroplasty: 7 Tips, 7 Minutes - Hold On To Your Seats <i>John W. Sperling, MD, MBA</i> |
| 7:20 | The RSA: How Young Is Too Young - What Do We Know? <i>Sara L. Edwards, MD</i> |
| 7:28 | Evolving Technique Update Panel: RSA: The Answer For Almost Every Scenario <i>Panel Moderator: Thomas Quin Throckmorton, MD, FAAOS</i> 7:28 Pro: RSA For Cuff Tear Arthropathy: When I Do It, How I Do It & When I Don't <i>Patrick St. Pierre, MD</i> 7:35 Pro: RSA For Proximal Humerus Fractures: Say Goodbye To The Hemi-Arthroplasty - Please Jump On Board <i>Andrew Jawa, MD</i> 7:42 Pro: RSA For Classic Osteoarthritis: So Much Easier Than An Anatomic Total Shoulder & Why I Have Changed <i>Robert Z. Tashjian, MD</i> 7:49 Pro: RSA For The Failed ORIF: 5 Minutes, 5 Tips - Watch My Razzle Dazzle <i>Samuel A. Taylor, MD</i> |
| 7:56 | 2021 Update On The Stemless Reverse Prosthesis: Time To Hop On Board - Don't Worry About Osteoporosis <i>Joseph A. Abboud, MD</i> |

SHOULDER SPORTS & ARTHROPLASTY • GRAND BALLROOM 3 & 6

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| 8:03 | <p>Mini-Panel: When In Doubt I...The Tweener Patient: 63-Year-Old, Advanced OA, Cuff Wear Not Tear <i>Panel Moderator: Paul M. Sethi, MD</i></p> <p>8:03 Pro: Anatomic With A Stemless <i>John M. "JT" Tokish, MD</i></p> <p>8:08 Pro: Anatomic With A Convertible Stem <i>Eric Thomas Ricchetti, MD</i></p> <p>8:13 Pro: Don't Waste Your Time: Reverse! One & Done <i>J. Michael Wiater, MD</i></p> |
| 8:18 | <p>Clinical Case Presentations With Questions & Answers: RSA & Repairing The Cuff: Yes/No? Physical Therapy: Yes/No? When To Move It, Is Notching A Thing Of The Past, Treatment Of Acromial Stress Fractures, Stemless Reverse <i>Case Panel Moderators: Stephen F. Brockmeier, MD Thomas Quin Throckmorton, MD, FAAOS</i></p> <p><i>Case Panel: David M. Dines, MD Kevin W. Farmer, MD Leesa M. Galatz, MD Lawrence V. Gulotta, MD Jay D. Keener, MD Patrick St. Pierre, MD John W. Sperling, MD, MBA Samuel A. Taylor, MD Thomas W. Wright, MD</i></p> |
| 8:48 | <p>COMPLICATIONS IN REVERSE SHOULDER ARTHROPLASTY: PART I <i>Section Moderator: Peter D. McCann, MD</i></p> |
| 8:48 | <p>Debate: 67-Year-Old Train Conductor With An Infected Reverse Shoulder Arthroplasty <i>Debate Moderator: Robert Z. Tashjian, MD</i></p> <p>8:48 Pro: One Stage Remedy: Listen To The Steps, Understand How To Get Him Back To Work <i>Kevin W. Farmer, MD</i></p> <p>8:54 Pro: Two Stage Correction Is Essential Otherwise You Will Fail My Friend <i>John W. Sperling, MD, MBA</i></p> |
| 9:00 | <p>Evolving Technique Update: How I Deal With The Unstable Reverse <i>Jay D. Keener, MD</i></p> |
| 9:06 | <p>Evolving Technique Update: The Revision Reverse Shoulder Arthroplasty: How I Do It & My Results! <i>Patrick St. Pierre, MD</i></p> |
| 9:12 | <p>Evolving Technique Update: The Acromial Stress Fracture: How I Treat, Should I Worry, How To Avoid <i>Christopher R. Chuinard, MD</i></p> |
| 9:18 | <p>Evolving Technique: Risk Stratification For Successful Outpatient Shoulder Arthroplasty: Is It Necessary & Why <i>Andrew Jawa, MD</i></p> |
| 9:25 | <p>Evolving Technique Update: The Truth About Zits, Benzoyl Peroxide & The Shoulder <i>Paul M. Sethi, MD</i></p> |
| 9:30 | <p>BREAK & VISIT THE EXHIBITS</p> |

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| 10:00 | <p>COMPLICATIONS IN REVERSE SHOULDER ARTHROPLASTY: PART II <i>Section Moderator: Augustus D. Mazzocca, MS, MD, FAAOS</i></p> |
| 10:00 | <p>Reverse Shoulder Arthroplasty Mistakes I Have Made Along The Way <i>David M. Dines, MD</i></p> |
| 10:08 | <p>63-Year-Old Farmer Who Fell Off His Tractor, BMI 40: It's Time For An RSA - How I Avoid Intraop & Postop Complications <i>John W. Sperling, MD, MBA</i></p> |
| 10:16 | <p>Debate: 59-Year-Old Competitive Sailor From Greenwich, CT Is Unable To Be The Captain Of His Yacht After Selling His VC Firm <i>Debate Moderator: Kevin W. Farmer, MD</i></p> <p>10:16 Pro: 2021: A Space Odyssey - I Am A Techie, We Should All Be Using Preop Planning With Intraop Computer Guidance <i>Thomas Quin Throckmorton, MD, FAAOS</i></p> <p>10:22 Pro: Oh You Young Millennials! Dr. Neer Taught Me Well: Understand The Concepts & Don't Worry, The Shoulder Replacement Will Be Just Fine Without Gadgets <i>Peter D. McCann, MD</i></p> |
| 10:28 | <p>Clinical Case Presentations With Questions & Answers: Everything Reverse: Time To Disagree - From Complications To Sage Advice - Lightning Round, Stop Pontificating <i>Case Panel Moderators: Patrick St. Pierre, MD John M. "JT" Tokish, MD</i></p> <p><i>Case Panel: Joseph A. Abboud, MD Xavier A. Duralde, MD Sara L. Edwards, MD Kevin W. Farmer, MD John E. Kuhn, MD John W. Sperling, MD, MBA Scott P. Steinmann, MD Thomas Quin Throckmorton, MD, FAAOS Thomas W. Wright, MD</i></p> |
| 10:58 | <p>Panel: My Head Is Spinning: Do We Lateralize, Do We Medialize - Who Has The Answer, My Patient Wants To Know <i>Panel Moderator: John E. Kuhn, MD</i></p> <p>10:58 Pro: A Lateral Glenosphere & A Lateral Humerus Is The Way To Go <i>Peter D. McCann, MD</i></p> <p>11:04 Pro: No Way! A Lateral Glenosphere With A Medial Humerus: Patients Expect Results - It Gives More Motion With Better Outcomes <i>Jonathan C. Levy, MD</i></p> <p>11:10 Pro: No Way! A Medial Glenosphere With A Medial Humerus Has Been Around Since The Beginning Of Time - Let Me Show You My Results! <i>Shariff K. Bishai, DO, MS, FAOAO</i></p> |
| 11:16 | <p>LIVE SURGERY ARTHROSCOPIC LATARJET WITH BONE BLOCK <i>Surgeon: Ivan H. Wong, MD Surgery Moderator: TBD</i> <i>Supported By An Educational Grant By DePuy Synthes</i></p> |

SHOULDER SPORTS & ARTHROPLASTY • BELLAGIO BALLROOM 2, 4, 6, 7

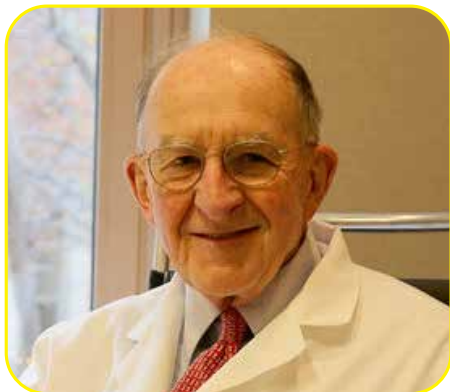
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|-------|--|
| 12:00 | Non-CME Lunch Spotlight Session <i>Please See Page 83 For Details</i> <i>Lunch Served In Room</i> |
| 1:00 | DESSERT & VISIT THE EXHIBITS |
| 1:45 | ANTERIOR INSTABILITY: WHY CAN'T WE ALL AGREE? ISN'T IT TIME? <i>Section Moderator: Spero G. Karas, MD</i> |
| 1:45 | Panel: 18-Year-Old Wrestler With Second Time Anterior Dislocation, 20% Glenoid Bone Loss & 15% Hill Sachs - What I Do For Success! <i>Panel Moderator: Stephen F. Brockmeier, MD</i> |
| 1:45 | Pro: Arthroscopic Capsulolabral Reconstruction Is The Clear Winner <i>Anand M. Murthi, MD</i> |
| 1:52 | Pro: You're Almost Right, Add The Remplissage For Security - Belt & Suspenders <i>Robert Z. Tashjian, MD</i> |
| 1:59 | Pro: You're Both Wrong! It's A Osteochondral Graft Using Suture Anchors Etc: Let Me Teach You Something Today <i>John M. "JT" Tokish, MD</i> |
| 2:06 | Pro: The Arthroscopic Latarjet: Always Getting Better, Don't Discount It <i>Shariff K. Bishai, DO, MS, FAOAO</i> |
| 2:13 | Commentary: Anterior Instability: My Insights, How To Get It Correct The First Time, What We Know Fails The Second Time <i>Mark D. Lazarus, MD</i> |

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| 2:18 | Evolving Technique Update Panel: Putting Bone Back: 24-Year-Old Female Volleyball Player With Anterior Instability, 35% Glenoid Bone Loss - Strut Your Stuff! Prove It! <i>Panel Moderator: Mark H. Getelman, MD</i> |
| 2:18 | Pro: Open Latarjet With Coracoid: Classic & Reproducible <i>Stephen F. Brockmeier, MD</i> |
| 2:25 | Pro: The Distal Clavicle: Understand Morphology, Shape, Anatomy - Come On! <i>John M. "JT" Tokish, MD</i> |
| 2:32 | Pro: The Distal Tibial Allograft: Reproducible Without New Technology Sets - Don't Listen To Others! <i>Brian R. Waterman, MD</i> |
| 2:39 | Pro: Step Aside Everyone! The Pre-Shaped Allograft Is Here! Why Make An Operation Hard <i>Anthony Miniaci, MD</i> |
| 2:46 | POSTERIOR INSTABILITY: UNDERSTANDING HOW TO REPAIR <i>Section Moderator: Mark H. Getelman, MD</i> |
| 2:46 | 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, The Portals Are The Most Important Thing <i>Mark D. Lazarus, MD</i> |
| 2:52 | 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, My Portals Are Better <i>Mark H. Getelman, MD</i> |
| 2:58 | COMPLICATIONS IN SHOULDER INSTABILITY SURGERY <i>Section Moderator: Christopher R. Chuinard, MD, MPH</i> |
| 2:58 | Honored Professor Lecture: The Failed Bankart Repair: Options For Stabilization - My Algorithm <i>Edward R. McDevitt, MD</i> |

Celebrate OSET & Dr. Warren!

3:28 PM – 3:55 PM

Lifetime Achievement Award Recipient



"I truly enjoyed being a part of such an incredible learning experience. Participants get to have the best professors in the field of orthopaedics in one place at the same time! Four days of non-stop interaction with cadaveric labs, workshops, and heated debates." –**Russell F. Warren, MD**

SHOULDER SPORTS & ARTHROPLASTY • BELLAGIO BALLROOM 2, 4, 6, 7

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| 3:08 | Evolving Technique Update: The Latarjet Bone Is Disappearing: Do I Need To Worry? What Am I Thinking? <i>Larry D. Field, MD</i> | 5:10 | THINGS YOU ALWAYS WANTED TO KNOW BUT WERE AFRAID TO ASK <i>Section Moderator: Dan Guttman, MD</i> |
| 3:13 | Evolving Technique: The Latarjet Failed: He's Only 27-Years-Old - This Is Terrible, What Do I Do? Understanding The Bail Out <i>Mark D. Lazarus, MD</i> | 5:10 | Evolving Technique Update: CPT 2982 6: Should We Be Doing Acromioplasties & Getting Paid? Death Of Dr. Neer? <i>Brian R. Waterman, MD</i> |
| 3:20 | Posterior Instability: Easily Diagnosed, Easily Treated, The Pain Is In The Front, Don't Be Fooled - Let Me Share! <i>John M. "JT" Tokish, MD</i> | 5:15 | Evolving Technique Update: A Disposable, Rigid Arthroscope: Changing The Paradigm Of Outpatient Arthroscopy - A Novel Approach <i>Mark H. Getelman, MD</i> |
| 3:28 | LIFETIME ACHIEVEMENT AWARD PRESENTATION <i>Russell F. Warren, MD</i> | 5:20 | Evolving Technique Update: Options For Ancillary Income & Passive Revenue <i>Ronald A. Navarro, MD</i> |
| 3:35 | Lifetime Achievement Award Lecture: Instability Of The Shoulder: What Dr. Neer Taught Me & Now What I Want To Impart To You - A Lifetime's Journey <i>Russell F. Warren, MD</i> | 5:25 | Evolving Technique Update: Upper Extremity Tumors For The Orthopaedic Surgeon <i>Caroline M. Chebli, MD</i> |
| 3:55 | BREAK & REFRESHMENTS | 5:30 | THE AC JOINT IN 2021 <i>Section Moderator: Spero G. Karas, MD</i> |
| 4:10 | Clinical Case Presentations With Questions & Answers: SLAPS, MDI, Posterior Instability, Anterior Instability <i>Case Panel Moderators: Alan S. Curtis, MD John M. "JT" Tokish, MD</i> <i>Case Panel: Wasik Ashraf, DO Kevin W. Farmer, MD Larry D. Field, MD Michael T. Freehill, MD, FAOA Dan Guttman, MD Mark D. Lazarus, MD Anthony Miniaci, MD Paul M. Sethi, MD Russell F. Warren, MD</i> | 5:30 | Mini-Panel: 19-Year-Old Athlete Status Post Type III/V AC Dislocation With Pain: What To Do & When? <i>Panel Moderator: Mark H. Getelman, MD</i> 5:30 Pro: Fix It Now & How <i>Anand M. Murthi, MD</i> 5:35 Pro: Fix It At The End Of The Season & How <i>Augustus D. Mazzocca, MS, MD, FAAOS</i> 5:40 Pro: Leave The AC Joint Alone: Stop The Nonsense - He's Playing In 2 Weeks <i>Sara L. Edwards, MD</i> |
| 4:40 | Clinical Case Presentations With Questions & Answers: Honored Professors & Distinguished Professor + Kids - Back To The Future: The Rotator Cuff 2050 (Generic Rotator Cuff Anchors, Scaffolds, Patches, Revision Rotator Cuff Failures <i>Case Panel Moderators: Mark D. Lazarus, MD Ronald A. Navarro, MD</i> <i>Case Panel: David M. Dines, MD Mark H. Getelman, MD John M. "JT" Tokish, MD Peter D. McCann, MD Anthony Miniaci, MD Robert Z. Tashjian, MD Michael T. Freehill, MD, FAOA Sara L. Edwards, MD Russell F. Warren, MD</i> | 5:45 | Clinical Case Presentations With Questions & Answers: Worst Complications Of My Career: What I Have Learned & Can Teach You <i>Case Panel Moderators: Joseph A. Abboud, MD Lawrence V. Gulotta, MD</i> <i>Case Panel: David M. Dines, MD Sara L. Edwards, MD Spero Karas, MD Mark D. Lazarus, MD Augustus D. Mazzocca, MD, FAAOS Anthony Miniaci, MD Anand M. Murthi, MD Eric Thomas Ricchetti, MD Russell F. Warren, MD</i> |
| | | 6:00 | End Of Shoulder Program |



HIP SPORTS • MONET 1, 2

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| <p>Educational Content Endorsed By</p>  | <p><i>Hip Sports Co-Chairs</i> Allston J. Stubbs, MD, MBA T. Sean Lynch, MD</p> |
| | <p><i>International Honored Professors</i> A. (Tony) J. Andrade, MSc, FRCS (Tr&Orth) Victor M. Ilizaliturri, Jr., MD</p> |
| | <p><i>Distinguished Professor</i> Robert L. Buly, MD John C. Clohisy, MD</p> |
| 7:00 | <p>WELCOME & INTRODUCTION Allston J. Stubbs, MD, MBA T. Sean Lynch, MD</p> |
| 7:05 | <p>IT'S ALL ABOUT THE CARTILAGE & THE CAPSULE: LET'S FIGURE IT OUT Section Moderator: Srino Bharam, MD</p> |
| 7:05 | <p>Evolving Technique Update: Alphabet Soup For The Hip: Biologics 101 Jorge A. Chahla, MD, PhD</p> |
| 7:10 | <p>International Honored Professor Lecture: Capsular Management & Preserving The Iliofemoral Ligament In Hip Arthroscopy Victor M. Ilizaliturri, Jr., MD</p> |
| 7:25 | <p>Panel: 42-Year-Old With 20x15-mm Articular Cartilage Lesion Of The Acetabulum Panel Moderator: Jovan R. Laskovski, MD</p> |
| 7:25 | <p>Pro: Leave It Alone: Horse Has Left The Stable, Arthroplasty To The Rescue Anil S. Ranawat, MD</p> |
| 7:30 | <p>Pro: Microfracture: Something Is Better Than Nothing - Fast, Safe, Effective Relief Stephen K. Aoki, MD</p> |
| 7:35 | <p>Pro: It's 2021, We Have The Technology, Graft Away! Allston J. Stubbs, MD, MBA</p> |
| 7:40 | <p>LET ME SHOW YOU THE WAY: COOL VIDEOS FOR EASY AND TOUGH HIP ISSUES Section Moderator: Benjamin G. Domb, MD</p> |
| 7:40 | <p>Evolving Technique Video Update: Going Postless: Pro Tips For Using A Compressible Pad T. Sean Lynch, MD</p> |
| 7:45 | <p>Evolving Technique Video Update: How To Gain Access To The Peripheral Compartment In The Difficult Hip Stephen K. Aoki, MD</p> |
| 7:50 | <p>Evolving Technique Video Update: Capsule Preserving Techniques For The Prominent AHS Thomas H. Wuerz, MD, MSc</p> |
| 7:55 | <p>Evolving Technique Video Update: How To Get The Perfect Arthroscopic Labral Repair: 5 Tips, 5 Minutes Jorge A. Chahla, MD, PhD</p> |
| 8:00 | <p>Evolving Technique Video Update: How To Get The Perfect Cam Resection With Preop & Intraop Software: 5 Tips, 5 Minutes Shane J. Nho, MD, MS</p> |

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| 8:05 | <p>Evolving Technique Video Update: Capsular Closure 101: Get Ahead Or Fall Behind Brian D. Giordano, MD, FAOA</p> |
| 8:10 | <p>Evolving Technique Video Update: How To Get The Perfect Arthroscopic Hamstring Repair: 5 Tips, 5 Minutes Jovan R. Laskovski, MD</p> |
| 8:15 | <p>Evolving Technique Video Update: Core Muscle Injury Repair: See, What I See Mark P. Zoland, MD, FACS</p> |
| 8:20 | <p>MAKING A TREATMENT PLAN & OPTIMIZING YOUR TECHNIQUES: HOW I REALLY DO THINGS Section Moderator: A. (Tony) J. Andrade, MSc, FRCS (Tr&Orth)</p> |
| 8:20 | <p>Distinguished Professor Lecture: Counseling Hip Preservation Patients: Helping Them See The Light John C. Clohisy, MD</p> |
| 8:25 | <p>Evolving Technique Update: Anesthesia Tips To Smooth Out Your Procedures Andrew Lucic, MD</p> |
| 8:30 | <p>Evolving Technique Update: Hip Injections: Smooth As Silk: My Technical Pearls To Have Them Smiling Every Time Elizabeth Bardowski, MSN, APN, ACNP-BC</p> |
| 8:35 | <p>Panel: 23-Year-Old Canadian Hockey Player, Now Pre-Op, Wants To Know Why You Do It Your Way: Hip Positioning Panel Moderator: Jorge A. Chahla, MD, PhD</p> |
| 8:35 | <p>Pro: We Do It Supine & Drop The Post Brian D. Giordano, MD, FAOA</p> |
| 8:40 | <p>Pro: We Do It Supine & Keep The Post Anil S. Ranawat, MD</p> |
| 8:45 | <p>Pro: Lateral Is Still The Best Option! You're All Wrong! Thomas G. Sampson, MD</p> |
| 8:50 | <p>Distinguished Professor Lecture: Hip Preservation Isn't Always On The Acetabular Side: Don't Forget The Femur Robert L. Buly, MD</p> |
| 9:03 | <p>Debate: 17-Year-Old Soccer Player With In Season Groin Pain: What I Do Debate Moderator: John C. Clohisy, MD</p> |
| 9:03 | <p>Pro: Pull The Player, Avoid Further Damage: He Is So Young Jovan R. Laskovski, MD</p> |
| 9:08 | <p>Pro: Finish The Season, The Damage Is Done: We Can Fix It John J. Christoforetti, MD</p> |
| 9:13 | <p>Evolving Technique: Sports Specific Rehab Considerations For The High Level Athlete Michael L. Voight DHSc, PT, SCS, OCS, ATC, FAPTA</p> |
| 9:20 | <p>Feature Lecture: What Will Hip Preservation Surgery Look Like In 2031? Marc R. Safran, MD</p> |
| 9:30 | <p>BREAK & VISIT THE EXHIBITS</p> |

HIP SPORTS • MONET 1, 2

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| 10:00 | THE NEXT LEVEL: TECHNIQUES TO RAISE THE BAR IN YOUR HIP PRACTICE <i>Section Moderator: Andrew B. Wolff, MD</i> |
| 10:00 | Debate: 23-Year-Old Dancer With Borderline Dysplasia & Hip Pain Who Has Failed Non-op Care <i>Debate Moderator: Robert L. Buly, MD</i> 10:00 Pro: Don't Sell Your Scope Short <i>Brian D. Giordano, MD, FAOA</i> 10:05 Pro: It's All About The PAO Baby!! <i>John C. Clohisy, MD</i> |
| 10:10 | Debate: 29-Year-Old Cyclist With Hip From FAI/Labral Tear + Femoral Retroversion <i>Debate Moderator: Benjamin G. Domb, MD</i> 10:10 Pro: Give Me The Scope & We'll Smooth That Out <i>Anil S. Ranawat, MD</i> 10:15 Pro: Not So Fast: Don't Forget To Reorient The Proximal Femur <i>Robert L. Buly, MD</i> |
| 10:20 | How An Advanced Practice Provider Can Support Your Practice: A Nurse Practitioner's Perspective <i>Elizabeth Bardowski, MSN, APN, ACNP-BC</i> |
| 10:28 | Evolving Technique Update: How To Maximize Your Utilization Of APP To Increase Efficiency Of Your Practice: A Surgeon's Perspective <i>Shane J. Nho, MD, MS</i> |
| 10:33 | Evolving Technique Update: Coding Tips For A Smooth Finish: My 5 Secrets <i>Andrew B. Wolff, MD</i> |
| 10:38 | Mini-Panel: 18-Year-Old High School Football Player With In-Season Groin Pain: To Address Or Not To Address? <i>Panel Moderator: Stephen K. Aoki, MD</i> 10:38 Pro: Stop The Tape! The Hips Don't Lie - FAI Is The Culprit & Needs Surgery <i>Victor M. Ilizaliturri, Jr., MD</i> 10:43 Pro: Stop The Tape! Athletic Pubalgia - The Fancy Name For Core Muscle Injury & Needs Surgery <i>Mark P. Zoland, MD, FACS</i> 10:48 Pro: Roll The Tape! Don't Be Ridiculous - Let Him Play & Enjoy The Season! <i>John J. Christoforetti, MD</i> |

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| 10:53 | Debate: 17-Year-Old Male Football Player With Bilateral CAM Lesions <i>Debate Moderator: Thomas H. Wuerz, MD, MSc</i> 10:53 Pro: It's A Staged Approach <i>J.W. Thomas Byrd, MD, FAOA</i> 10:58 Pro: One & Done! It's A Bilateral Approach <i>Benjamin G. Domb, MD</i> |
| 11:03 | Panel: 70-Year-Old Female Marathoner With Lateral Hip Pain From Gluteus Tear <i>Panel Moderator: Jovan R. Laskovski, MD</i> 11:03 Pro: Nothing To See Here: Just Needs Injections, Rehab & TLC <i>Srino Bharam, MD</i> 11:08 Pro: Arthroscopic Management: Couple Of Poke Holes & Some Anchors <i>Brian D. Giordano, MD, FAOA</i> 11:13 Pro: Respect The Pathology: Open Is The Way To Go <i>Anil S. Ranawat, MD</i> |
| 11:18 | Correcting Femoral Torsion & Version With A Femoral Osteotomy: Not So Hard, Let Me Share My Experience <i>Robert L. Buly, MD</i> |
| 11:28 | LIVE SURGERY ARTHROSCOPIC LABRAL REPAIR <i>Surgeon: Marc Philippon, MD</i> <i>Surgery Moderator: Allston J. Stubbs, MD, MBA</i> <i>Supported By An Educational Grant By Smith+Nephew</i> |
| 11:58 | Wrap Up & Introduction Of ISHA Program <i>A. (Tony) J. Andrade, MSc, FRCS (Tr&Orth)</i> <i>Allston J. Stubbs, MD, MBA</i> |
| 12:00 | Non-CME Lunch Spotlight Session <i>Please See Page 83 For Details</i> Lunch Served In Room |
| 1:00 | DESSERT & VISIT THE EXHIBITS |
| 1:45 | Continue With ISHA Program |
| 6:00 | Join ISHA Celebration |



| TIME | SATURDAY, DECEMBER 11 | SUNDAY, DECEMBER 12 | MONDAY, DECEMBER 13 | TUESDAY, DECEMBER 14 |
|--------------------|--|--|---|--|
| REGISTRATION | 6:30am - 5:30pm | 5:50am - 6:00pm | 5:50am - 6:00pm | 5:50am - 6:00pm |
| BREAKFAST | 6:30am - 8:50am (Provided in Room) | 6:30am - 8:50am | 6:30am - 8:50am | 6:30am - 8:50am |
| EXHIBIT HALL HOURS | 12:00pm - 5:00pm | 7:00am - 5:00pm; 7:00pm - 8:45pm | 7:00am - 5:00pm | 7:00am - 2:00pm |
| 7:00AM | <p>Outpatient Total Joint Arthroplasty Summit (limited to 75, Pre Reg Req) 7:00am-11:00am</p> <p>Advanced Fracture Trauma Symposium & Cadaver Lab (limited to 75, Pre Reg Req) 7:00am-12:00pm</p> <p>Orthopaedic Rehab, Case-Based Exam Summit (limited to 100, Pre Reg Req) 7:00am-12:00pm</p> <p>Business in Orthopaedics: Wealth Planning (limited to 100, Pre Reg Req) 7:00am-12:00pm</p> <p>7th Annual Fellow, Resident & Medical Student Research Summit I 7:00am-5:00pm</p> | <p>Knee Sports: Cartilage & Arthroplasty I 7:00am-12:00pm</p> <p>Hip Arthroplasty II 7:00am-12:00pm</p> <p>Orthopaedic Rehab I 7:00am-12:00pm</p> <p>Advanced Practice Provider II (NP, PA) 7:00am-12:00pm</p> <p>Trauma II 6:55am-12:00pm</p> <p>Hand, Wrist, & Elbow II 6:55am-12:00pm</p> <p>Spine I 6:50am-12:00pm</p> <p>7th Annual Fellow, Resident & Medical Student Research Summit II 7:00am-11:00am</p> <p>Foot & Ankle Cadaver Lab 7:00-10:45am</p> | <p>Knee Arthro. II 7:00am-12:00pm</p> <p>Team Physician & Providers Summit 7:00am-12:00pm</p> <p>Spine III Cadaver Robot Workshops 7:00am-12:00pm</p> <p>Orthopaedic Rehab III 7:00am-12:00pm</p> <p>ISHA Program 7:00am-12:00pm</p> <p>Cadaver Industry Workshops 7:50am-12:00pm</p> <p>Foot & Ankle III 7:00am-12:00pm</p> <p>Shoulder RSA III 7:00am-12:00pm</p> <p>Hip Sports I I: ACL & Multi Lig 6:45am-12:00pm</p> | <p>Shoulder RSA III 7:00am-12:00pm</p> <p>Hip Sports II 7:00am-12:00pm</p> |
| 7:30AM | <p>LIVESURGERY Navigated Total Hip Arthroplasty 11:00am-12:00pm</p> | <p>LIVE SURGERY ARTHROSCOPY TIA 8:20-9:00am</p> | <p>LIVE SURGERY ARTHROSCOPY TIA 8:20-9:00am</p> | <p>LIVE SURGERY ARTHROSCOPY TIA 8:20-9:00am</p> |
| 8:00AM | <p>Medtronic Spotlight Session 12:00pm - 12:45pm</p> | <p>Lunchtime Arthroplasty Symposium I 12:00-12:30pm</p> <p>Lunchtime Arthroplasty & Sports Symposium II 12:30-1:00pm</p> <p>Lunchtime Sports Symposium III 1:00-1:30pm</p> | <p>Industry Sponsored Spotlight Lunchtime Sessions 12:00-1:00pm</p> | <p>Industry Sponsored Spotlight Lunchtime Sessions 12:00-1:00pm</p> |
| 8:30AM | <p>Break and Visit the Exhibits 9:30-10:10am</p> | <p>Break and Visit the Exhibits 9:30-10:10am</p> | <p>Break and Visit the Exhibits 9:30-10:10am</p> | <p>Break and Visit the Exhibits 9:30-10:00am</p> |
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| 6:00PM | Zimmer Biomet Extravaganza 6:00-7:00pm | OSET-ISPT Research Summit 6:00-7:00pm | Stryker Shoulder Spotlight Session 6:00-7:00pm | Pacira Spotlight Session 6:00-7:00pm | Flexion Spotlight Session 6:00-7:00pm | SI Bone Spotlight Session 6:00-7:00pm | Industry Focus Groups (By Invitation Only) 6:00-7:00pm |
| 7:00PM | Chair Reception - All Invited 7:15-8:45pm | | | | | | |



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AlloFuse®

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SATURDAY, DECEMBER 11TH

Techniques, Technologies & Protocols For A Successful Outpatient Total Joint Program

Medtronic

12:00 PM – 12:45 PM

Bellagio Ballroom 2, 4, 6, 7

Alexander P. Sah, MD

Leading Technologies With Efficiencies For Your ASC

Zimmer Biomet

6:00 PM – 7:00 PM

Grand Ballroom 3 & 6

James Ballard, MD

LUNCH SERVED IN ROOM

HORS D'OEUVRES & LIBATIONS

SUNDAY, DECEMBER 12TH | LUNCHTIME SPOTLIGHTS | FOOD SERVED IN ROOM

Knee Preservation Through Cartilage Restoration

Arthrex

12:30 PM – 1:00 PM

Bellagio Ballroom 2, 4, 6, 7

Thomas R. Carter, MD

Brian J. Cole, MD

Rachel M. Frank, MD

Seth L. Sherman, MD

What If Postop Pain Didn't Exist?

Gate Science

12:00 PM – 12:30 PM

Bellagio Ballroom 2, 4, 6, 7

Ira Kirschenbaum, MD

Paul M. Sethi, MD

John M. Keggi, MD

Sanjay Sinha, MD

All Around the "Horn" – Meniscal Repairs In The Presence Of ACL Reconstruction

Smith+Nephew

1:00 PM – 1:30 PM

Bellagio Ballroom 2, 4, 6, 7

Julie A. Dodds, MD

Scott Faucett, MD

Darren L. Johnson, MD

Keys To Clavicle Fractures: Latest Techniques, Treatment Plans, & Implant Options

DePuy Synthes

12:50 PM – 1:30 PM

Monet 3 & 4

Nirmal C. Tejwani, MD

Incorporating 3D Printing Into Your Practice

Paragon28

12:10 PM – 12:50 PM

Grand Ballroom 7 & 9

Mark E. Easley, MD

The Value Of Minimally Invasive Advancements

Trice Medical

12:10 PM – 12:50 PM

Monet 1 & 2

Charles Leinberry, MD

Bernard F. Morrey, MD

Jeffrey Yao, MD

The Clinical Evolution Of ExcelsiusGPS® Technology

Globus Medical

12:50 PM – 1:30 PM

Renoir 1 & 2

Roland S. Kent, MD

The Value Of Ready-To-Use Instruments, Early Experience From The United States

Safe Orthopaedics

12:10 PM – 12:50 PM

Renoir 1 & 2

Isador H. Lieberman, MD, MBA,

FRSC(C)

Simultaneous Bilateral Hip Arthroscopy

Zimmer Biomet

12:10 PM – 12:50 PM

Grand Ballroom 3 & 6

Dean Matsuda, MD

Advancements In The Treatment Of Distal & Midshaft Humerus Fractures

Skeletal Dynamics

12:10 PM – 12:50 PM

Monet 3 & 4

Jorge L. Orbay, MD

SPOTLIGHT SESSIONS

SUNDAY, DECEMBER 12TH | EVENING SPOTLIGHTS | HORS D'OEUVRES & LIBATIONS

Knees + Expertise Pro Panel

Flexion

6:00 PM – 7:00 PM

Monet 3 & 4
Mike Eruzione
Jason Rand, PA
John C. Richmond, MD
Paul M. Sethi, MD
Scott Sigman, MD
Sheryl Swoopes
Rod Woodson

STOP PAIN COLD: Cryotechnology For Surgical & Non- Surgical Patients

Pacira

6:00 PM – 7:00 PM

Monet 1 & 2
Vinod Dasa, MD
Jeffrey Gonzales, MD

Evaluating The SI joint As Part Of The Hip/SI/Spine Syndrome

SI-BONE

6:00 PM – 7:00 PM

Grand Ballroom 3 & 6
Bharat Desai, MD
Benjamin G. Domb, MD
Patrick Morgan, MD
Shane J. Nho, MD, MS
David W. Polly, Jr., MD
Danielle Ruggiero, PA-C

InSpace: A Breakthrough In Shoulder Care

Stryker

6:00 PM – 7:00 PM

Bellagio Ballroom 2 & 6
Joseph A. Abboud, MD
Gregory J. Galano, MD
James Genuario, MD

MONDAY, DECEMBER 13TH | LUNCH SPOTLIGHTS | FOOD SERVED IN ROOM

Reducing The Risk Of Surgical Site Complications In At-Risk Primary & Revision Arthroplasty & Fractures

3M Health Care

12:00 PM – 1:00 PM

Grand Ballroom 3 & 6
Michael B. Cross, MD
Ravi A. Karia, MD

Introducing The BioBrace Implant For Soft Tissue Reinforcement: Basic Science Rationale & Clinical Value Proposition

Biorez

12:00 PM – 1:00 PM

Cezanne 1 & 2
Steven P. Arnoczky, DVM
Deryk Jones, MD
Sean McMillan, DO, FAOAO

Reaching Great Heights: Using MACI To Facilitate Your Patients' Return To Sport

Vericel

12:00 PM – 1:00 PM

Bellagio Ballroom 2, 4, 6, 7
Moderator: Solomon Wilcots
Panelists: Brian J. Cole, MD, MBA
David C. Flanigan, MD
Seth Lawrence Sherman, MD

Simple or Complex: Can This Anatomic Shoulder Arthroplasty System Be Your Primary TSA?

Anika Therapeutics

12:00 PM – 1:00 PM

Gauguin 1 & 2
Anthony Miniaci, MD

Avoiding Complications In Hip Arthroscopy

ConMed

12:00 PM – 1:00 PM

Monet 3 & 4
Derek Ochiai, MD
Robert Westermann, MD

Aligning Pre-Op Planning With Unique Patient Anatomy: Insights For Excellent Outcomes

Zimmer Biomet

12:00 PM – 1:00 PM

Grand Ballroom 7 & 9
John W. Sperling, MD, MBA

Labral Reconstruction & Augmentation In 2022

Arthrex

12:00 PM – 1:00 PM

Monet 1 & 2
John J. Christoforetti, MD
Benjamin G. Domb, MD
Brian D. Giordano, MD, FAOA
Michael Huang, MD

A New World Of Postoperative Pain Management In Orthopaedics

Heron Therapeutics

12:00 PM – 1:00 PM

Van Gough 1 & 2
Alexander P. Sah, MD

TUESDAY, DECEMBER 14TH | LUNCH SPOTLIGHTS | FOOD SERVED IN ROOM

"Rotator Cuff Continuum" From Augmentation To Reconstruction

Arthrex

12:00 PM – 1:00 PM

Bellagio Ballroom 2, 4, 6, 7

Rachel M. Frank, MD

Dan Guttman, MD

Paul M. Sethi, MD

John M. "JT" Tokish, MD

Reverse for Fracture: When, Why & How

DJO

12:00 PM – 1:00 PM

Grand Ballroom 7 & 9

Moderator: Joseph A. Abboud, MD

Panelists: Jonathan C. Levy, MD

Patrick St. Pierre, MD

Eric Thomas Ricchetti, MD

Samuel A. Taylor, MD

The Future Of Hip Preservation: Innovation & Controversies

Stryker

12:00 PM – 1:00 PM

Monet 1 & 2

Stephen K. Aoki, MD

James Genuario, MD

Richard C. Mather III, MD, MBA

Shane J. Nho, MD, MS

Andrew B. Wolff, MD

New Innovations For Rotator Cuff Repairs

DePuy Synthes

12:00 PM – 1:00 PM

Monet 3 & 4

Shariff K. Bishai, DO, MS, FAOAO

Mark H. Getelman, MD

Lawrence V. Gulotta, MD

Tricera System: A New Arthroscopy Technology & How It Has Revolutionized Shoulder Surgery

Zimmer Biomet

12:00 PM – 1:00 PM

Grand Ballroom 3 & 6

Joseph P. Donahue, MD



CADAVER LABS & WORKSHOPS

SIGN UP! LIMITED REGISTRATION

SUNDAY, DECEMBER 12TH

HAV Complications & MIS TT Fusion Dual Track

Paragon28

7:00 AM – 10:30 AM

Tower 2 Ballroom

Mark E. Easley, MD

MACI Surgical Technique Training

Vericel

3:00 PM – 6:00 PM

Gauguin 1 & 2

Michael Banffy, MD

Arthrex Hip Arthroscopy Lab

Arthrex

2:00 PM – 6:00 PM

Bellagio Ballroom 1 & 5

ConMed Hip Arthroscopy Lab

ConMed

2:00 PM – 6:00 PM

Bellagio Ballroom 1 & 5

Stryker Hip Arthroscopy Lab

Stryker

2:00 PM – 6:00 PM

Bellagio Ballroom 1 & 5

Smith+Nephew Hip Arthroscopy Lab

Smith+Nephew

2:00 PM – 6:00 PM

Bellagio Ballroom 1 & 5

MONDAY, DECEMBER 13TH – SPECIAL FEATURES

New Innovations In Soft Tissue Repair: Cadaveric Workshop Featuring Shoulder, Knee And Foot & Ankle Procedural Solutions from DePuy Synthes

DePuy Synthes

7:30 AM – 12:00 PM

Bellagio Ballroom 1 & 5

Real Intelligence and the CORI Surgical System: Next-Generation Handheld Robotics Bioskills Session (Total Knee Arthroplasty)

Smith+Nephew

2:45 PM – 6:00 PM

Bellagio Ballroom 1 & 5



DOUBLE PLATINUM



PLATINUM



GOLD



SILVER



BRONZE





THANK YOU FOR YOUR PROMOTIONAL SUPPORT

EXHIBITORS

| | | |
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| Accelus | Fidia Pharma USA | Orthofix |
| AcelRx Pharmaceuticals, Inc. | Firstkind Ltd | OrthoLazer - OLC Development |
| Aesculap Biologics | FX Shoulder USA | OsteoCentric Technologies |
| AlloSource | Geistlich Pharma NA | Outcome-Based Technologies |
| American Surgical Specialties Company | Globus Medical | P3 Practice Marketing |
| Arcuro Medical | In2Bones | Paragon 28 |
| Augmedics | Incrediwear | PatientIQ |
| Bauerfeind | Innomed | Pristine Surgical |
| BD | InReach Health - Stopain Clinical | QTC, A Leidos Company |
| Biorez | ISHA - The Hip Preservation Society | Reparel |
| Biosplice Therapeutics | Kinamed | RTI Surgical |
| Bioventus | LifeNet Health | Safersonic US |
| Bodycad | Lipogems | Schaerer Medical |
| BREG, Inc. | Maruho Medical | Shukla Medical |
| CarboFix Orthopedics | Medacta USA | SI-BONE |
| Catalyst OrthoScience | Medartis, Inc. | Surgeons Capital Management |
| Cervos Medical | Miach Orthopaedics | The 20Lighter Program |
| CORA Health Services | MicroGenDX | Treace Medical Concepts |
| CurveBeam | MicroPort Orthopaedics | Trice Medical |
| Defense Health Agency | My01 | Turner Imaging Systems |
| Civilian Medical Corps | NuVasive | U.S. Army Health Care Recruiting |
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- Rapid prototyping & manufacturing research
- State-of-the-art Synergy OR Integration Suite
- Modern biomechanics and biomaterials lab
- Onsite clinical staff, research scientists, and engineers



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Note: All visits to the Arthrex campus will be coordinated by the Arthrex Experience team to ensure compliance with applicable laws.



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