



HSS PRESENTERS AT THE AAOS/ORS ANNUAL MEETING

February 4-11, 2012

ORS SESSIONS – SATURDAY, FEBRUARY 4 – MOSCONE WEST

Time/Location	Title	Presenters/Authors
8:00 AM - 9:30 AM Room 2002	<i>Professional Advancement Series I</i> Deciding What Journal to Publish In?	JOSEPH M. LANE, MD Non-HSS: John Antoniou, MD, PhD, Farshid Guilak, PhD, Joseph Buckwalter, MD
9:45 AM - 10:45 AM Room 2014	<i>Session 4 – Inflammation in Osteoarthritis and Immune-Medicated Arthritis</i>	STEVEN R. GOLDRING, MD (MODERATOR) Non-HSS: John Sandy, PhD (Co-Moderator)
1:30 PM - 3:00 PM Room 2024	<i>Spotlight Session 15 – Osteoporosis</i>	JOSEPH M. LANE, MD (MODERATOR) Non-HSS: Gloria Gronowicz, PhD (Co-Moderator)
2:00 PM - 2:10 PM Room 2006	<i>Spotlight Session 13: Non-Coding RNA and Posttranscriptional Regulation in OA – Paper No. 0073 – CpG Methylation-dependent Transcriptional Control of MMP13 and IL1B in Human Chondrocytes: HIF-2 alpha-driven MMP13 Transactivation Depends Upon CpG Methylation Status</i>	KO HASHIMOTO, MD, PhD, MIGUEL OTERO, PhD, MARY GOLDRING, PhD Non-HSS: Kei Imagawa, Maria C. Andres, Helmutrud I. Roach, Richard O. Oreffo, Moderators: Hui Bin Sun, PhD, and Christopher H. Evans, PhD
3:15 PM - 3:23 PM Room 2006	<i>New Investigator Recognition Award Presentations 3: Cartilage Biology and Osteoarthritis – Paper No. 0339 – Regulation of Cartilage Homeostasis Genes by Matrilin-3: Dependency on Interleukin-1 Receptor Antagonist</i>	MARY GOLDRING, PhD Non-HSS: Chathuraka T. Jayasuriya, Richard M. Terek, Qian Chen
3:55 PM - 4:03 PM Room 2006	<i>New Investigator Recognition Award Presentations 3: Cartilage Biology and Osteoarthritis – Paper No. 0344 – Reduced Expression of Collagen type IX in Human Osteoarthritic Chondrocytes is Associated with Epigenetic Silencing by DNA Hypermethylation</i>	KO HASHIMOTO, MD, PhD, MARY GOLDRING, PhD Non-HSS: Kei Imagawa, Maria C. de Andrés, Eiji Itoi, Richard O. Oreffo

ORS SESSIONS – SUNDAY, FEBRUARY 5 – MOSCONE CENTER

Time/Location	Title	Presenters/Authors
9:45 AM - 10:45 AM Room 2014	<i>Session 19 – Cell Signaling</i>	MARY GOLDRING, PhD (MODERATOR) Non-HSS: Karen A. Hasty, PhD (Co-Moderator)
10:15 AM - 10:25 AM Room 2024	<i>Session 20 – Bone – Aging</i> Paper No. 0118 – The Role of Wnt Signaling in Age-Related Impaired Fracture Healing	ALISON KITAY, MD, XU YANG, MD, MARJOLEIN VAN DER MEULEN, PhD, MATHIAS BOSTROM, MD, AARON DALUISKI, MD Non-HSS: Hayden-William Courtland, PhD, Yen Hsun Chen; Moderators: Peter Muir, PhD, Susan V. Bukata, MD
11:40 AM - 11:50 AM Room 2006	<i>Session 23 – Bone Mechanics – Paper 0137 – Nanoscale Examination of Microdamage in Cortical Bone Using Synchrotron Radiation Transmission X-Ray Microscopy</i>	MARJOLEIN VAN DER MEULEN, PhD Non-HSS: Garry Brock, Grace Kim, Joy C. Andrews, Anthony R. Ingraffea; Moderators: Jiliang Li, MD, PhD and Joyce H. Keyak
2:20 PM - 2:30 PM Room 2006	<i>Spotlight Session 28– microRNA</i> Paper No. 0165 – Downregulation of microRNAs in Rotator Cuff and Synovium with a Full-thickness Tear	CHRISTOPHER CHEN, PhD, MICHAEL SHINDLE, MD (ALUMNI), DEMETRIS DELOS, MD (ALUMNI), RUSSELL F. WARREN, MD Non-HSS: Steven K. Neeley; Moderators: John S. Adams, MD, Cornelia E. Farnum, DVM, PhD
2:30 PM - 3:00 PM Room 2005	<i>Spotlight Session 27 – Tendon and Ligament: Translational Research – Spotlight Speaker – A Clinician-Scientist’s View on Translation of Tendon and Ligament Research to Clinical Care</i>	SCOTT A. RODEO, MD

ORS SESSIONS – MONDAY, FEBRUARY 6 – MOSCONE CENTER

Time/Location	Title	Presenters/Authors
8:00 AM - 9:30 AM Room 2020-2024	<i>Workshop 10 – Building a Successful Research Program: Decisions, Victories and Pitfalls</i>	CATHLEEN L. RAGGIO, MD (CO-ORGANIZER) Non-HSS: Co-Organizer: Stuart B. Goodman, MD, PhD,
10:00 AM - 10:15 AM Room 2006	<i>Clinical Research Forum– The Innovation Cycle: How Can We Avoid Wrong Turns? – Session II: The Story of Atypical Proximal Femur Fractures: What About Rare Events that Arise After Widespread Implementation? – Looking Back: Did Experimental Evidence Tell Us of the Problems with Long Term Bisphosphonate Use?</i>	JOSEPH M. LANE, MD Non-HSS: Moderators: Doug Bauer, MD and Saam Morshed, MD
11:25 AM - 11:35 AM Room 2014	<i>Session 33 – The Post-Traumatic Joint Experimental Models</i> Paper No. 0194 – Cartilage Degeneration and Subchondral Bone Changes Due to In Vivo Cyclic Compression Depend on Load Level, Duration, and Anatomical Location in the Adult Mouse Tibia	CECILIA DRAGOMIR, MD, DARREN A. PLUMB, PhD, STEVEN R. GOLDRING, MD, TIMOTHY WRIGHT, MD, MARY GOLDRING, PhD, MARJOLEIN VAN DER MEULEN, PhD Non-HSS: Frank Ko; Moderators: Peter van der Kraan, PhD, Liz Pluhar, DVM, PhD
11:55 AM - 12:05 PM Room 2014	<i>Session 33 – The Post-Traumatic Joint Experimental Models</i> Paper No. 0197 – The Role of CITED2 in the Development and Progression of Osteoarthritis	CECILIA DRAGOMIR, MD, MARY GOLDRING, PhD Non-HSS: Daniel Leong, Takuya Riwike, Michael Bronson, Robert Majeska, Mitchell Schaffler, Luis Cardoso, Herb Sun
12:05 PM - 12:15 PM Room 2002	<i>Session 31 – Hip and Femoroacetabular Impingement</i> Paper No. 0186 – Accuracy of Robotic Assisted Femoral Osteochondroplasty for Treatment of FAI	ANIL S. RANAWAT, MD Non-HSS: Hyosig Kang, Snehal Kasodekar, Scott D Nortman, Jennifer A. Jones, Michael Condit; Moderators: Said T. Goma, PhD, Nico Verdonschot, PhD
1:30 PM - 2:20 PM Room 2014	<i>Session 37 – Meniscus</i>	SUZANNE A. MAHER, PhD (MODERATOR) Non-HSS: Mark Hurtig, DVM (Co-Moderator)
2:20 PM - 2:30 PM Room 2024	<i>Session 38 – Osteolysis and Implant Fixation – Paper No. 0228 – Fluid Pressure Induced Osteoclast Activation and Bone Loss is Not Dependent on Fibrous Tissue in the Peri-Implant Zone</i>	ANNA FAHLGREN, PhD, DENIS NAM, MD, MATHIAS BOSTROM, MD Non-HSS: Aleksey Dvorzhinski; Moderators: Roy D. Bloebaum, PhD and TBD

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HSS PRESENTERS AT THE AAOS/ORS ANNUAL MEETING

ORS SESSIONS – TUESDAY, FEBRUARY 7 – MOSCONE WEST

Time/Location	Title	Presenters/Authors
8:00 AM - 9:30 AM Room 2024	<i>Workshop 14 – Clinical Assessment of Acute Joint Injury and Early Joint Degeneration – Morphological and Quantitative MRI Assessment of Joint Injury and Early Degeneration</i>	HOLLIS G. POTTER, MD Non-HSS: Organizers: Constance R. Chu, MD, Linda J. Sandell, PhD
1:30 PM - 1:40 PM Room 2002	<i>Session 43 – Knee, ACL, Patello-Femoral Joint</i> Paper No. 0256 – Contact Stress Patterns across the Tibial Plateau during Gait: Effect of Anterior Cruciate Ligament Injury	NATALIE KELLY, ASHEESH BEDI, MD (ALUMNI), RUSSELL F. WARREN, MD, SUZANNE A. MAHER, PhD Non-HSS: Tony Chen; Moderators: Scott J. Hazelwood, PhD, Paul J. Rullkoetter, PhD
2:10 PM - 2:20 PM Room 2024	<i>Session 46– Cartilage Mechanics – Paper No. 0287 – The Functional Assessment of Osteochondral Implants for Knee Articular Cartilage Defects: Effect of Implant Modulus</i>	JOHN A. ANDERSON, MD (ALUMNI), TONY CHEN, FLORIAN WANIVENHAUS, MD, KIRSTEN STONER, M.ENG, KENNETH NG, PhD, HORNG-CHAUNG HSU, MD, RUSSELL F. WARREN, MD, SUZANNE A. MAHER, PhD Non-HSS: Moderators: Gerard A. Ateshian, PHD, Jack L. Lewis, PhD
2:45 PM - 4:15 PM Room 2005	<i>Symposium: AAOS/ORSII – Adult Recon Hip – Basic and Clinical Science Advances in Understanding Femoroacetabular Impingement (FAI) – Open Surgical Treatment of Surgical Femoroacetabular Treatment – Current Evidence and Treatment Results</i>	ERNEST L. SINK, MD Non-HSS: Moderator: John C. Clohisy, MD
3:45 PM - 3:55 PM Room 2006	<i>Session 48 – Spine – Paper No. 0304 – Tissue Engineered Disc Replacement. Long Term Outcome in a Rat Spinal Model</i>	HOLLIS G. POTTER, MD, MATTHEW KOFF, PHD, SARAH POWNDER, DVM, LAWRENCE BONASSAR, PHD Non-HSS: Andrew R. James, MBBS, FRCS, Robby D. Bowles, Harry Gebhard, MD, Robert I. Mozia, Roger Hartl, MD

ORS Posters – LEVEL THREE OF MOSCONE WEST CONVENTION CENTER

Title	Presenters/Authors
<i>Poster No. AAOS 3 - Foot and Ankle – AAOS BEST POSTERS</i> Ankle Distraction Arthroplasty: How Much is Enough?	AUSTIN T. FRAGOMEN, MD, KATE MEYERS, MS, S. ROBERT ROZBRUCH, MD Non-HSS: Thomas H. McCoy Jr.
<i>Poster No. 0339 – NIRA 3: Cartilage Biology and Osteoarthritis – Regulation of Cartilage Homeostasis Genes by Matrilin-3: Dependency on Interleukin-1 Receptor Antagonist</i>	MARY GOLDRING, PHD Non-HSS: Chathuraka T. Jayasuriya, Richard M. Terek, Qian Chen
<i>Poster No. 0344 – NIRA 3: Cartilage Biology and Osteoarthritis – Reduced Expression of Collagen type IX in Human Osteoarthritic Chondrocytes is Associated with Epigenetic Silencing by DNA Hypermethylation</i>	KO HASHIMOTO, MD, PHD, MARY GOLDRING, PHD Non-HSS: Kei Imagawa, Maria C. de Andrés, Eiji Itoi, Richard O. Oreffo
<i>Poster No. 0415 – PS1 Bone Fracture – rhBMP-2 and Demineralized Bone Matrix Result in Similar Fracture Healing in Delayed- and Non-Union Treated with a Modified Hernigou's Technique</i>	AASIS UNNANUNTANA, MD (ALUMNI), JOSEPH M. LANE, MD Non-HSS: Saad M. Hasan, Andre D. Shaffer
<i>Poster No. 0422 – PS1 Bone Fracture – Adamts5 Knockout Mice Exhibit a Deficiency in Callus Formation After Femoral Fracture</i>	RHIMA COLEMAN, PHD, ADELE L. BOSKEY, PHD Non-HSS: Jun Li, John Sandy, Anna Plaas
<i>Poster No. 0450 – PS1 Imaging – Comparison of Three Methods to Quantify Repair Cartilage Collagen Orientation</i>	HOLLIS G. POTTER, MD Non-HSS: Lisa Fortier, Keir Ross, Rebecca Williams, Lauren Schnabel, Gino Bradica, Emme Castiglione, Ryan Saska
<i>Poster No. 0456 – PS1 Imaging – Quantifying Image Distortion of Orthopedic Materials in Magnetic Resonance Imaging</i>	MATTHEW KOFF, PHD, PARINA SHAH, HOLLIS G. POTTER, MD Non-HSS: Kevin Koch
<i>Poster No. 0500 – PS1 Bone Biology – The Importance of Sodium-Phosphate Co-Transport for Proper Bone Mineral Composition and Structure</i>	ADELE L. BOSKEY, PHD, LYUDMILLA LUKASHOVA, LYUDMILA SPEVAK, PHD Non-HSS: Saeed Khan
<i>Poster No. 0504 – PS1 Bone Biology– A Comparison of Two Osteoclast Inhibitors in the Oim/oim Growing Mouse Model of Osteogenesis Imperfecta</i>	CATHLEEN L. RAGGIO, MD, ADELE L. BOSKEY, PHD, NANCY PLESHKO, PHD, ERIN M. CARTER, MS, RENEE BARGMAN, MD (ALUMNI) Non-HSS: Josephine Marino, Maria Baldino
<i>Poster No. 0528 – PS1 Bone - Growth Factors – SDF-1 Regulates BMP2-Induced Osteo/Chondrogenic Differentiation in a Dose-Dependent Manner</i>	ADELE L. BOSKEY, PHD, WEI ZHU, PHD Non-HSS: Gang Liang
<i>Poster No. 0543 – PS1 Bone - Osteoporosis & Metabolic Bone Disease – The Effects of Estrogen Loss on the Vascular Porosity in Rat Cortical Bone</i>	STEPHEN DOTY, PHD Non-HSS: Jessica Levy, Divya Sharma, Susannah Fritton
<i>Poster No. 0545 – PS1 Bone - Osteoporosis & Metabolic Bone Disease – Preliminary Results: Initiation of Rank-Fc Treatment in Post-Adolescent Oim/oim Mice Does Not Reduce Fracture Incidence</i>	ERIN M. CARTER, MS, ADELE L. BOSKEY, PHD, NANCY PLESHKO, PHD, CATHLEEN L. RAGGIO, MD Non-HSS: Josephine Marino, Maria Baldino
<i>Poster No. 0547 – PS1 Bone - Osteoporosis & Metabolic Bone Disease – Effect of Zoledronic Acid on Trabecular Bone of an Ovine Model of Osteopenia at Multiple Skeletal Sites</i>	IGNACIO GARCIA, PHD, ERICKA CALTON, MARJOLEIN VAN DER MEULEN, PHD, ADELE L. BOSKEY, PHD Non-HSS: Jayme Burcke, Jennifer MacLeay
<i>Poster No. 0710 – PS1 Cartilage/Meniscus/Synovium – Cartilage Matrix Degradation – An In Vitro Model of the Pathological Degradation in Osteoarthritis</i>	STEPHANIE GRENIER, PHD, PETER A. TORZILLI, PHD, MADHU M. BHARGAVA, PHD

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ORS Posters – LEVEL THREE OF MOSCONE WEST CONVENTION CENTER

Title	Presenters/Authors
Poster No. 0724 – PS1 Cartilage/Meniscus/Synovium – Growth Factors & Aging – C/EBP β] Regulates GADD45 β] Gene Expression in Osteoarthritic Chondrocytes	MARY GOLDRING, PhD Non-HSS: Hirofumi Shimada, Kaneyuki Tsuchimochi, Harutoshi Sakakima, Fumiyo Matsuda, Megumi Sakasegawa, Yefu Li, Setsuro Komiya, Kosei Ijiri
Poster No. 0864 – PS1 Disease Process Knee – Joint Mechanics – Biphasic Finite Element Analysis of the Human Knee joint	SUZANNE A. MAHER, PhD Non-HSS: Hongqiang Guo, Robert Spilker
Poster No. 0867 – PS1 Disease Process Hip – Dynamic Clinical Assessment of Femoral Acetabular Impingement - Preliminary Data	ANDREW KRASZEWSKI, MS, ANIL S. RANAWAT, MD, TRAVIS G. MAAK, MD (ALUMNI), HOWARD J. HILLSTROM, PhD, SHERRY I. BACKUS, PT, DPT, MA, BRYAN T. KELLY, MD
Poster No. 0932 – PS1 Total Hip Replacement – General – Low Vitamin D Status Does Not Adversely Affect Short-Term Functional Outcome after Total Hip Arthroplasty	AASIS UNNANUNTANA, MD, (ALUMNI), ANAS SALEH, MD, JEFFERY E. MAIT, MD (ALUMNI), JOSEPH T. NGUYEN, MPH, CHARLES N. CORNELL, MD, THOMAS P. SCULCO, MD, CAROL A. MANCUSO, MD, FACP, JOSEPH M. LANE, MD Non-HSS: Andre D. Shaffer
Poster No. 0935 – PS1 Total Hip Replacement – General – Performance-Based Tests and Self-reported Questionnaires Provide Distinct Information on Functional Recovery after Total Hip Arthroplasty	AASIS UNNANUNTANA, MD (ALUMNI), ANAS SALEH, MD (ALUMNI), JEFFERY E. MAIT, MD (ALUMNI), CHARLES N. CORNELL, MD, THOMAS P. SCULCO, MD, CAROL A. MANCUSO, MD, FACP, JOSEPH M. LANE, MD Non-HSS: Andre D. Shaffer
Poster No. 1056 – PS1 Total Hip Replacement – Implant – Measuring Acetabular Component Anteversion after Total Hip Arthroplasty: CT or Plain Radiographs?	BENJAMIN McARTHUR, MD, MICHAEL B. CROSS, MD, CHRISTINA S. GEATRAKAS, MD (ALUMNI), JOSEPH T. NGUYEN, MPH, BERNARD GHELMAN, MD, DAVID J. MAYMAN, MD
Poster No. 1058 – PS1 Total Hip Replacement – Implant – Kinematics and Coronal Plane Stability Between a Posterior Stabilized Versus Bicruciate Stabilized Versus Ultracongruent Total Knee Arthroplasty	MICHAEL B. CROSS, MD, DENIS NAM, MD, CLAUS C. EGIDY, MD, JOSEPH NGUYEN, MPH, STEPHEN LYMAN, PhD, ANDREW D. PEARLE, MD, DAVID J. MAYMAN, MD Non-HSS: Christopher Plaskos, PhD, , Xiaowei A. Li
Poster No. 1063 – PS1 Implant – Uni-Knee Replacement – Regional Variation In Lateral Compartment Articular Cartilage to Augment Guidelines for Unicompartmental Knee Replacement	SUSANNAH GILBERT, MS, SUZANNE A. MAHER, PhD, MICHELLE PERNA, JAD BOU MONSEF, FRIEDRICH BOETTNER, MD
Poster No. 1069 – PS1 Hip/Knee Arthroplasty – Surgical Navigation & Robotics Cadaveric Analysis of an Accelerometer Based, Hand-Held Navigation System for Distal Femoral Cutting Block Alignment in Total Knee Arthroplasty	DENIS NAM, MD, SETH A. JERABEK, MD (ALUMNI), MICHAEL B. CROSS, MD, DAVID J. MAYMAN, MD
Poster No. 1110 – Spine – Anti-Sclerostin (Scl-Ab) Increases Bone Mass and Fusion Volume in a Rat Posterolateral Spinal Fusion Model	JOSEPH M. LANE, MD, MATTHEW CUNNINGHAM, MD, PhD Non-HSS: Andre D. Shaffer, Owolabi A. Shonuga, Brandon P. Hirsch, Hua Z. Ke, Chaoyang Li
Poster No. 1220 – PS1 Upper Extremity – Shoulder & Elbow – Eccentric Joint Contact Loading Occurs after Total Shoulder Arthroplasty	DAN CHOI, M.ENG, TIMOTHY WRIGHT, PhD, YINGXIN GAO, PhD Non-HSS: Radhika Patel
Poster No. 1253 – PS1 Upper Extremity – Hand & Wrist – Wrist and Forearm Motions to Reach Targets Cannot be Modeled by Simple, Uncoupled Motions	SCOTT W. WOLFE, MD Non-HSS: Bethany Wilcox, Michael J. Rainbow, Albert C. Lo, Elizabeth Drevniak, Susan E. D'Andrea, Joseph Crisco
Poster No. 1294 – PS1 Ligament & Tendon Mechanics – The Effect of Cyclic Axial Loading on Bone Remodeling at the Bone-Tendon Interface in an In-Vivo Animal Model: a Micro-Computed Tomographic and Histological Analysis	CLIFFORD VOIGT, MD (ALUMNI), JOHN SOLIC, MD (ALUMNI), CARL IMHAUSER, PhD, JOSEPH NGUYEN, MPH, LIANG YING, BVS, MARK STASIAK, MD, ALICE FOX, MSC, XIANG-HUA DENG, MD, SAADIQ EL-AMIN, MD, SCOTT A. RODEO, MD Non-HSS: Michael C. Ciccotti, Saif Alzoobae
Poster No. 1319 – PS1 Ligament & Tendon Biology – Effect of Injury and Resultant Mechanical Environment on Matrix Gene Expression in the Human Anterior Cruciate Ligament: Is Ligament Repair Biologically Feasible?	ERIK ATTIA, HAYDEE BROWN, MD, JO A. HANNAFIN, MD, PhD
Poster No. 1323 – PS1 Ligament & Tendon Biology – Elution of Growth Factor from Platelet-Rich Plasma-Coated Sutures Delivery for Augmentation of Zone II Flexor Tendon Repairs	DURETTI T. FUFA, MD (ALUMNI), SCOTT W. WOLFE, MD, DANIEL A. GRANDE, PhD (ALUMNI) Non-HSS: Michael Gott, Andrew Greenberg, Pasquale Razzano, Nadeen O. Chahine, Ashley Olson, John Schwartz, Marisa Gianfortune
Poster No. 1325 – PS1 Ligament & Tendon Biology – Effect of Timing and Magnitude of Mechanical Loading on Tendon-Bone Tunnel Healing in a Rat Model	CLIFFORD VOIGT, MD (ALUMNI), JOHN M. SOLIC, MD (ALUMNI), CARL W. IMHAUSER, PhD, JOSEPH NGUYEN, MPH, MARK STASIAK, ALICE FOX, MSC, XIANG-HUA DENG, MD, SAADIQ EL-AMIN, MD, SCOTT A. RODEO, PhD Non-HSS: Saif Alzoobae, Michael C. Ciccotti, Xiaodong Ju
Poster No. 1359 – PS2 Bone Mechanics – Bone Volume is Not Altered with Unloading in the Homozygous Sclerostin Knockout Mouse	NATALIE KELLY, MARJOLEIN VAN DER MEULEN, PhD Non-HSS: Alyson Morse, Michelle M. McDonald, Ina Kramer, Michaela Kneissel, Katherine Melville, David G. Little
Poster No. 1365 – PS2 Bone Mechanics – The Effects of Crystallinity on Whole Bone and Tissue Level Mechanical Properties and Composition	ADELE L. BOSKEY, PhD, MARJOLEIN VAN DER MEULEN, PhD Non-HSS: Grace Kim, Shefford Baker

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ORS Posters – LEVEL THREE OF MOSCONE WEST CONVENTION CENTER

Title	Presenters/Authors
Poster No. 1449 – PS2 Imaging – Age-Dependent Changes in Matrix Composition and Organization of the Osteochondral Interface	ADELE L. BOSKEY, PhD Non-HSS: Nora T. Khanarian, Helen Lu
Poster No. 1474 – PS2 Cancer/Tumors – The Synergistic Tumor Micro-environmental Effect of Extracellular pH, pO ₂ , and Pressure controlled Invasiveness and Survival on Human Osteosarcoma Cells	JOHN H. HEALEY, MD Non-HSS: Takao Matsubara, Gene R. DiResta
Poster No. 1488 – PS2 Bone Biology – Cellular Dysregulation of Gene Expression May Contribute to Matrix Hypermineralization in Osteogenesis Imperfecta	ADELE L. BOSKEY, PhD Non-HSS: Joan C. Marini, Wayne A. Cabral, Nadja Fratzl-Zelman, Paul Roschger, Klaus Klaushofer
Poster No. 1533 – PS2 Bone – Osteoporosis – Decreased Cortical Mineral Heterogeneity in Patients with Fragility Fractures Compared to Those Without Fractures	DENNIS S. MEREDITH, MD, EVE DONNELLY, PhD, JOSEPH NGUYEN, MPH, JOSEPH M. LANE, MD, ADELE BOSKEY, PhD Non-HSS: Brandon Hirsch
Poster No. 1618 – PS2 Biomaterials – Bioactive – Characterization of a Novel Non-Degradable PVA/Chitosan Scaffold Cross-linked with Genepin to Protein-Loaded Alginate/Chitosan Microparticles for Articular Cartilage Repair	FLORIAN WANIVENHAUS, MD, SUZANNE A. MAHER, PhD Non-HSS: Neel Patel, Tony Chen
Poster No. 1652 – PS2 Tissue Engineering – Soft Tissue – Effects of Riboflavin Crosslinking on Tissue Engineered Intervertebral Discs Development in vivo	MATTHEW KOFF, PhD, SARAH POWNDER, DVM, HOLLIS G. POTTER, MD, LAWRENCE BONASSAR, PhD Non-HSS: Robert I. Mozia, Andrew R. James, MBBS Roger Hartl, MD
Poster No. 1789 – PS2 Cartilage/Meniscus/ Synovium – Osteoarthritis Soluble CD14 in Synovial Fluid from Patients with Early-Stage Osteoarthritis Augments Fibroblast-like Synoviocyte Responses to Lipopolysaccharide (LPS)	CARLA R. SCANZELLO, MD, PhD (ALUMNI), MARY K. CROW, PhD Non-HSS: Anjali Nair, Veero Kanda, Charles Bush-Joseph, Nikhil Verma, Susanna Chubinskaya, Katalin Mikecz, Tibor T. Glant, Anne-Marie Malfait, Alison Finnegan
Poster No. 1802 – PS2 Cartilage/Meniscus/ Synovium – Osteoarthritis Two-year Post-surgical Outcomes in Patients Undergoing Arthroscopic Partial Meniscectomy: The Influence of Synovitis	CARLA R. SCANZELLO, MD, PhD (ALUMNI), EDWARD F. DICARLO, MD, STEVEN R. GOLDRING, MD Non-HSS: Anthony Albert, Kumar B. Rajan, Eva U. Asomugha, Bryan Swaim, Paul Weitzel, John C. Richmond, Brian McKeon, Veero Kanda
Poster No. 1808 – PS2 Cartilage/Meniscus/Synovium – Cartilage Mechanics – Dietary Vitamin D Deficiency Disrupts Periodic Pattern of Growth Plate Mechanical Properties	MARJOLEIN VAN DER MEULEN, PhD, LAWRENCE BONASSAR, PhD Non-HSS: Derin Sevenler, Mark R Buckley, Grace Kim, Itai Cohen
Poster No. 1837 – PS2 Disease Process Knee – Joint Mechanics – Analysis of Tibiofemoral Center of Pressures Indicates High Variability with ACL Reconstruction	SAAD SHEIKH, CRAIG S. MAURO, MD, DAN CHOI, M.ENG, THOMAS L. WICKIEWICZ, MD, CARL IMHAUSER, PhD
Poster No. 1895 – PS2 Foot and Ankle – Biomechanical Comparison of the Achilles Versus the Percutaneous Achilles Repair System (PARS) for Achilles Tendon Repair	CONSTANTINE DEMETRACOPOULOS, MD, ELIZABETH YOUNG, SUSANNAH GILBERT, MS, JONATHAN T. DELAND, MD
Poster No. 2051 – PS2 Arthroplasty Hip & Knee – Surgical Navigation and Robotics – Cup Placement Accuracy with Robot-Assisted Total Hip Arthroplasty	DOUGLAS E. PADGETT, MD Non-HSS: Nicholas Dumbar, Jennifer A. Jones, Michael Conditt, Scott A. Banks
Poster No. 2056 – PS2 Arthroplasty Hip & Knee – Surgical Navigation and Robotics – An Accelerometer Based, Hand-Held Navigation System: The Future of Computer Navigation in Total Knee Arthroplasty?	DENIS NAM, MD, MICHAEL B. CROSS, MD, DAVID J. MAYMAN, MD
Poster No. 2069 – PS2 Implant Wear – Metal on Metal and Ceramic Bearings – Magnetic Resonance Imaging of Metal on Metal Hip Resurfacing Implants	HOLLIS G. POTTER, MD, CATHERINE L. HAYTER, MBBS (ALUMNI), MATTHEW F. KOFF, PhD, PARINA SHAH, EDWIN P. SU, MD Non-HSS: Kevin M. Koch
Poster No. 2071 – PS2 Implant Wear – Metal on Metal and Ceramic Bearings – The Characterization of Damage Modes in Retrieved Metal-on-Metal Hip Implants	KIRSTEN STONER, M.ENG, TIMOTHY M. WRIGHT, PhD, DOUGLAS E. PADGETT, MD Non-HSS: Simon L. Greenbaum, Stefan Kinkel, MD,
Poster No. 2301 – PS2 Ligament and Tendon Mechanics – Characterization of the Orientation and Isometry of Humphrey's Ligament	MICHAEL B. CROSS, MD, BRADLEY S. RAPHAEL, MD (ALUMNI), TRAVIS MAAK, MD, CLAU C. EGIDY, MD, ANDREW D. PEARLE, MD Non-HSS: Christopher Plaskos
Poster No. 2320 – PS2 Ligament and Tendon Biology – Characterization of Age-Dependent Changes at the Anterior Cruciate Ligament (ACL) to Bone Entesis	STEPHEN DOTY, PhD Non-HSS: Sagaw Prateepchinda, Philip J, Chuang, Joshua Heisler, Helen Lu

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HSS PRESENTERS AT THE AAOS/ORS ANNUAL MEETING

AAOS SESSIONS – TUESDAY, FEBRUARY 7 – MOSCONE CENTER

Time/Location	Title	Presenters/Authors
10:30 AM - 12:30 PM Moscone South, 307	Symposium: B – Trauma – There Is a Fracture. How Do I Best Fix It? Applying Evidence Based Medicine to Surgical Decision Making – Wisdom of the Masters: Are “Experts” a Thing of the Past?	DAVID L. HELFET, MD Non-HSS: Moderator: <i>Jaime Ahn, MD</i>
11:24 AM - 11:30 AM Moscone South, 302	Paper Presentations: 053 – Foot/Ankle I – Syndesmosis and Lateral Ankle Sprains in the National Football League	DARYL C. OSBAHR, MD (ALUMNI), MARK C. DRAKOS, MD, PADHRAIG F. O’LOUGHLIN, MD (ALUMNI), STEPHEN LYMAN, PhD, JOHN G. KENNEDY, MD, RUSSELL F. WARREN, MD Non-HSS: <i>Ronnie P. Barnes, MA, ATC</i>
11:54 AM - 12:00 PM Moscone South, 302	Paper Presentations: 057 – Foot/Ankle I – Anteromedial Impingement in the Ankle Joint - Outcomes Following Arthroscopy in the First One Hundred Cases	CHRISTOPHER D. MURAWSKI, MD, JOHN G. KENNEDY, MD
11:54 AM - 12:00 PM Moscone South, 303	Paper Presentations: 042 – Adult Reconstruction Hip I – In-hospital Surgical Site Infections after Primary Hip and Knee Arthroplasty – Incidence and Risk Factors	LAZAROS POULTSIDES, MD, MS, PhD, YAN MA, PhD, ALEJANDRO GONZALEZ DELA VALLE, MD, YA-LIN CHIU, MS, MADHU MAZUMDAR, PhD, THOMAS SCULCO, MD, STAVROS MEMTSOUDIS, MD, PhD Non-HSS: <i>Licia Gaber-Bayliss</i>
1:30 PM - 3:30 PM Moscone South, Gateway Ballroom	Symposium: C – Adult Reconstruction Knee – Controversies In Primary Total Knee Arthroplasty – Are Patient-Specific Instruments Justified For Routine TKA? – Yes	STEVEN B. HAAS, MD Non-HSS: Moderators: <i>Robert B. Bourne, MD, Giles R. Scuderi, MD</i>
1:30 PM - 3:30 PM Moscone South, Gateway Ballroom	Symposium: C – Adult Reconstruction Knee – Controversies In Primary Total Knee Arthroplasty – Is Computer Navigation Justified For Routine TKA? – No	CHITRANJAN S. RANAWAT, MD Non-HSS: Moderators: <i>Robert B. Bourne, MD, Giles R. Scuderi, MD</i>
2:45 PM - 4:15 PM Moscone West, 2005	Symposium: AAOS/ORSII – Adult Reconstruction Hip – Basic and Clinical Science Advances in Understanding Femoroacetabular Impingement (FAI) – Open Surgical Treatment of Surgical Femoroacetabular Treatment – Current Evidence and Treatment Results	ERNEST L. SINK, MD Non-HSS: Moderator: <i>John C. Clohissy, MD</i>
4:00 PM - 6:00 PM Moscone South, Gateway Ballroom	Symposium: F – Shoulder/Elbow – Current Controversies in Shoulder Surgery – Biologic Factors Influencing Tendon Healing	SCOTT A. RODEO, MD Non-HSS: Moderator: <i>Joaquin Sanchez-Sotelo, MD</i>
4:12 PM - 4:18 PM Moscone South, 303	Paper Presentations: 093 – Sports Medicine/Arthroscopy I – “Practice Makes Perfect” in ACL Reconstruction	ROBERT G. MARX, MD, MSC, FRCS, HASSAN GHOMRAWI, PhD, HUONG DO, MA, JOSEPH NGUYEN, MPH, STEPHEN LYMAN, PhD, HASSAN GHOMRAWI, PhD Non-HSS: <i>Annette Oesterhell</i>
5:36 PM - 5:42 PM Moscone South, 302	Paper Presentations: 118 – Hand/Wrist – The Modified Russe Procedure for Scaphoid Waist Fracture Non-union with Deformity	STEVE K. LEE, MD Non-HSS: <i>Jorge L. Roman-Deynes, MD</i>

AAOS SESSIONS – WEDNESDAY, FEBRUARY 8 – MOSCONE CENTER

Time/Location	Title	Presenters/Authors
8:00 AM - 10:00 AM Moscone West, 2005	Symposium: J – Pediatrics – The Kids You See on Call: Pearls for Managing Urgent Pediatric Orthopaedics – Dealing with SCFE in 2012	ERNEST L. SINK, MD Non-HSS: Moderator: <i>John M. Flynn, MD</i>
8:00 AM - 10:00 AM Moscone West, 2006	2-Hour Instructional Course: 209 – Shoulder/Elbow – PRP to the Reverse Prosthesis: Controversies in Treating Rotator Cuff Pathology	EDWARD V. CRAIG, MD, MPH, JOHN SPERLING, MD, MBA (ALUMNI) Non-HSS: <i>Pascal Boileau, MD, Leesa M. Galatz, MD</i>
8:00 AM - 10:00 AM Moscone South, 301	2-Hour Instructional Course: 211 – Sports Medicine/Arthroscopy – Sports Hip Injuries: Assessment and Management	BRYAN T. KELLY, MD, ASHEESH BEDI, MD (ALUMNI), Non-HSS: <i>Christopher Larson, MD, Ira Zaltz, MD</i>
8:00 AM - 10:00 AM Moscone South, 307	Symposium: I – Hand/Wrist – Safe Solutions for Common and Complex Wrist Conditions	SCOTT W. WOLFE, MD, STEVE K. LEE, MD Non-HSS: <i>Richard A. Berger, MD (Moderator)</i>
8:00 AM - 8:06 AM Moscone West, 2002	Paper Presentations: 166 – Tumor/Metabolic Bone Disease I – Haptic Robot-Assisted Surgery Substantially Improves Contact Area for Structural Bone Allograft Reconstructions	JOSEPH D. LIPMAN, MS, JOHN H. HEALEY, MD, ANDREW D. PEARLE, MD Non-HSS: <i>Fazel Khan, MD</i>
9:12 AM - 9:18 AM Moscone West, 2002	Paper Presentations: 175 – Tumor/Metabolic Bone Disease I – Haptic Robot-Assisted Surgery Substantially Improves Accuracy of Wide Resection of Bone Tumors	ANDREW D. PEARLE, MD, JOSEPH D. LIPMAN, MS, JOHN H. HEALEY, MD, FACS Non-HSS: <i>Fazel Khan, MD</i>
9:24 AM - 9:30 AM Moscone West, 2024	Paper Presentations: 162 – Foot and Ankle II – Functional and T2-Mapping MRI Results of Autologous Osteochondral Transplantation of the Talus in 72 Patients	CHRISTOPHER D. MURAWSKI, MD, JOHN G. KENNEDY, MD
10:30 AM - 12:30 PM Moscone West, 3009	2-Hour Instructional Course: 224 – Basic Research – Biologic Augmentation of Tendon-Bone Healing: Where Are We Now?	SCOTT A. RODEO, MD, JOSHUA S. DINES, MD (CO-MODERATOR), ASHEESH BEDI, MD (CO-MODERATOR, ALUMNI) Non-HSS: <i>George A.C. Murrell, MD</i>
10:30 AM - 12:30 PM Moscone West, 3001	2-Hour Instructional Course: 221 – Adult Reconstruction Hip – The Painful Metal on Metal Hip Arthroplasty: Evaluation and Management	HOLLIS G. POTTER, MD Non-HSS: <i>Thomas K. Fehring, MD (Moderator), William L. Griffin, MD, Arlen Dale Hanssen, MD</i>
10:30 AM - 12:30 PM Moscone West, 2014	Paper Presentations: 196-210 – Shoulder and Elbow II	FRANK A. CORDASCO, MD, MS (MODERATOR) Non-HSS: <i>Michael Pagnani, MD (Co-Moderator)</i>
11:00 AM - 11:06 AM Moscone West, 3004	Paper Presentations: 185 – Trauma III – Outcomes Following Internal Fixation of Femoral Neck Fractures with a Novel Locking Plate Implant	MARSCHALL B. BERKES, MD, MILTON T. LITTLE, MD, DAVID L. HELFET, MD, DEAN G. LORICH, MD Non-HSS: <i>Lionel E. Lazaro, MD, Rachel Cymerman</i>

Please note: presenters, locations and times are subject to change.

HSS PRESENTERS AT THE AAOS/ORS ANNUAL MEETING

AAOS SESSIONS – WEDNESDAY, FEBRUARY 8 – MOSCONE CENTER

Time/Location	Title	Presenters/Authors
11:18 AM - 11:24 AM Moscone West, 2024	Paper Presentations: 217 – Adult Reconstruction Hip II – Predictors of Discordance in Expectations of Total Hip Arthroplasty between Patients and Surgeons	HASSAN GHOMRAWI, PhD, MPH, CAROL A. MANCUSO, MD, FACP, ALEJANDRO M. GONZALEZ DELLA VALLE, MD, MICHAEL M. ALEXIADES, MD, CHARLES N. CORNELL, MD, THOMAS P. SCULCO, MD, ALVIN I. MUSHLIN, MD, ScM
1:30 PM - 3:30 PM Moscone West, 3016	2-Hour Instructional Course: 244 – General – Safe and Effective Use of Biologics in Orthopaedic Surgery: What Surgeons Need to Know	JOSEPH M. LANE, MD Non-HSS: S. Yoon, MD (Moderator), Evan L. Flatow, MD, J. T. Watson, MD
1:30 PM - 4:30 PM Moscone West, 3018	3-Hour Instructional Course: 286 – Trauma – Complex Trauma to Shoulder Girdle Including Clavicle, Scapula and Proximal Humerus: Current Concepts in Diagnosis & Treatment	DAVID M. DINES, MD (MODERATOR), DEAN LORICH, MD Non-HSS: Peter A. Cole, MD, Matthew Ramsey, MD, Emil H. Schemitsch, MD
1:30 PM - 3:30 PM Moscone West, 2024	Paper Presentations: 271- 285, 813 – Sports Medicine/Arthroscopy II	RILEY J. WILLIAMS III, MD (MODERATOR) Non-HSS: James C. Dreesse, MD (Co-Moderator)
1:30 PM - 3:30 PM Moscone West, 2005	Symposium: 0 – Adult Reconstruction Knee – Component Alignment, Joint Stability and Patient Outcomes: Getting it Right the First Time – The Importance of Combine Anteversion	CHITRANJAN S. RANAWAT, MD Non-HSS: Moderator: William J. Maloney, MD
2:06 PM - 2:12 PM Moscone West, 3004	Paper Presentations: 246 – Hand/Wrist II – Complications after Flexor Tendon Repair: A Systematic Review and Meta-regression Analysis	CHRISTOPHER J. DY, MD, PhD, ALEXIA HERNANDEZ-SORIA, MD, YAN MA, PhD, TIMOTHY ROBERTS, MLS, AARON DALUISKI, MD
2:24 PM - 2:30 PM Moscone West, 3004	Paper Presentations: 248 – Hand/Wrist II – Flexor Tendon Excursion and Load During Passive and Active Motion: A Cadaver Study	STEVE K. LEE, MD Non-HSS: Anthony Sapienza, MD, Hong Kee Yoon, Raj Karia, MPH
2:30 PM - 2:36 PM Moscone West, 2024	Paper Presentations: 279 – Sports Medicine/Arthroscopy II – Autologous Cartilage Tissue Implantation Compared to Microfracture: A Prospective, Randomized Clinical Trial	RILEY J. WILLIAMS III, MD Non-HSS: Dennis C. Crawford, MD, Thomas M. DeBerardino, MD
2:54 PM - 3:00 PM Moscone West, 2024	Paper Presentations: 282 – Sports Medicine/Arthroscopy II – Higher Activity Level after Mosaicplasty than Microfracture for Cartilage Defects of the Knee	AARON J. KRYCH, MD (ALUMNI), HEATHER W. HARNLY, MD (ALUMNI), SCOTT A. RODEO, MD, RUSSELL F. WARREN, MD, THOMAS L. WICKIEWICZ, MD, RILEY J. WILLIAMS III, MD
4:00 PM - 6:00 PM Moscone South, 301	2-Hour Instructional Course: 273 – Trauma – Distal Radius: What Cannot Be Fixed with a Volar Plate?	SCOTT W. WOLFE, MD (MODERATOR) Non-HSS: Jesse B. Jupiter, MD, Philip E. Blazar, MD, Douglas P. Hanel, MD
4:00 PM - 6:00 PM Moscone West, 3022	2-Hour Instructional Course: 261 – Adult Recon Hip – Femoroacetabular Impingement: Pathophysiological Concepts, Treatment and Outcomes	BRYAN T. KELLY, MD Non-HSS: Michael Leunig, MD, John C. Clohisy, MD, Ira Zaltz, MD
4:00 PM - 6:00 PM Moscone West, 2014	Paper Presentations: 301-315 – Adult Reconstruction Hip III	EDWIN SU, MD (MODERATOR) Non-HSS: Thomas J. Blumenfeld, MD (Co-Moderator)
4:00 PM - 4:06 PM Moscone West, 2014	Paper Presentations: 301 – Adult Reconstruction Hip – Retrieval Analysis Reveals Damage Modes for Metal-on-Metal Total Hip Replacements	KIRSTEN STONER, M.ENG, TIMOTHY M. WRIGHT, PhD, DOUGLAS E. PADGETT, MD Non-HSS: Stefan Kinkel, Samantha M. Lee
4:30 PM - 4:36 PM Moscone West, 2014	Paper Presentations: 305 – Adult Reconstruction Hip III – Nine-Year Comparative Study of Highly Crosslinked and Traditional Polyethylene in Total Hip Arthroplasty	STEVEN B. ZELICOF, MD, PhD Non-HSS: Mark J. Jo, MD, Santiago Lozano Calderon, MD, Norman J. Roth, MS

AAOS SESSIONS – THURSDAY, FEBRUARY 9 – MOSCONE CENTER

Time/Location	Title	Presenters/Authors
7:00 AM - 10:00 AM Marrick, Golden Gate C2	Surgical Skills Course: 7SK – Shoulder/Elbow – Rotator Cuff: Surgical Skills	SCOTT A. RODEO, MD Non-HSS: Peter Millett, MD, Sepp Braun, MD, Anthony A. Romeo, MD, Richard L. Angelo, MD
8:00 AM - 10:00 AM Moscone West, 2014	Paper Presentations: 361-375 – Pediatrics III	ERNEST L. SINK, MD (MODERATOR) Non-HSS: Donna Pacicca (Co-Moderator)
8:00 AM - 10:00 AM Moscone West, 3016	2-Hour Instructional Course: 305 – General – Thromboembolic Disease: State of the Art Diagnosis, Prophylaxis and Treatment	GEOFFREY H. WESTRICH, MD (MODERATOR) Non-HSS: Fred D. Cushner, MD, Jeffrey S. Dlott, MD, Norman Johanson, MD
8:00 AM - 10:00 AM Moscone West, 3004	Paper Presentations 346-360 – Adult Reconstruction Hip IV	MATHIAS P. BOSTROM, MD (MODERATOR) Non-HSS: David Manning, MD (Co-Moderator)
8:12 AM - 8:18 AM Moscone West, 2002	Paper Presentations: 393 – Hand/Wrist III – A Biomechanical Comparison of the Hemi-Hamate Arthroplasty and Volar Plate Arthroplasty	STEVE K. LEE, MD Non-HSS: John A. Pasquella, DO, Nader Paksima, DO
8:54 AM - 9:00 AM Moscone West, 3004	Paper Presentations: 353 – Adult Reconstruction Hip IV – Ten to 15 Year Clinical and Radiographic Results for a Compression Molded Monoblock Elliptical Acetabular Component	LAZAROS A. POULSIDES, MD, MS, PhD, VASILEIOS SIOROS, MD (ALUMNI), JOHN A. ANDERSON, MD (ALUMNI), THOMAS P. SCULCO, MD Non-HSS: Danilo Bruni, MD, Robert L. Parisien, Burak Beksac, MD, Nikos Chatzoudis
9:00 AM - 9:06 AM Moscone West, 2014	Paper Presentations: 369 – Pediatrics III – Ultrasound is Reliable Imaging Modality for Developmental Dysplasia of the Hip Screening in Six-Month-Old Children	ALISON KITAY, MD, ROGER F. WIDMANN, MD, HUONG DO, MS, DANIEL W. GREEN, MD, FAAP
10:30 AM - 12:30 PM Moscone West, 3014	2-Hour Instructional Course: 332 – Sports Medicine/Arthroscopy – Meniscus Repair and Transplantation: Update on Surgical Techniques and Clinical Outcomes	SCOTT A. RODEO, MD (MODERATOR), ASHEESH BEDI, MD (ALUMNI) Non-HSS: Rene Verdonk, MD, PhD, Christopher C. Kaeding, MD
10:30 AM - 12:30 PM Moscone West, 2012	2-Hour Instructional Course: 326 – Pediatrics III – Advanced Surgical Techniques in the Adolescent Hip	ERNEST L. SINK, MD Non-HSS: Young Jo Kim, MD, Michael Leunig, MD, Ira Zaltz, MD
11:18 AM - 11:24 AM Moscone West, 3004	Paper Presentations: 412 – Adult Reconstruction Knee III – A Meta-analysis of Complications after Patellofemoral and Total Knee Replacement for Patellofemoral Arthritis	CHRISTOPHER J. DY, MD, PhD, YAN MA, PhD, MOIRA M. MCCARTHY, MD, MADHU MAZUMDAR, PhD, ALEJANDRO M. GONZALEZ DELLA VALLE, MD
12:18 PM - 12:24 PM Moscone West, 2002	Paper Presentations: 465 – Spine III – Does Provocative Discography Cause Clinically Important Injury to the Lumbar Intervertebral Disc?	RICHARD J. HERZOG, MD, FACR Non-HSS: Eugene Carragee, MD, Jason M. Cuellar, MD PhD, Eric Hurwitz, DC, PhD, John A. Carrino, MD
1:30 PM - 3:30 PM Moscone West, 2012	2-Hour Instructional Course: 345 – Hand/Wrist – What Every Resident Should Know About Wrist Fractures	ANDREW J. WEILAND, MD, STEVEN GLICKEL, MD (ALUMNI) Non-HSS: Kevin Lutsky, MD (Moderator), Martin I. Boyer, MD

Please note: presenters, locations and times are subject to change.

HSS PRESENTERS AT THE AAOS/ORS ANNUAL MEETING

AAOS SESSIONS – THURSDAY, FEBRUARY 9 – MOSCONE CENTER

Time/Location	Title	Presenters/Authors
1:30 PM - 3:30 PM Moscone South, Gateway Ballroom	Symposium: P – Shoulder/Elbow – Complications of Shoulder Arthroplasty: How To Avoid and How to Treat	EDWARD V. CRAIG, MD, MPH (MODERATOR)
1:30 PM - 4:30 PM Moscone South, 302	3-Hour Instructional Course: 384 – Sports Med/Arthroscopy – MRI-Arthroscopy Correlations of the Shoulder, Elbow, Hip and Knee: A Case Based Approach	HOLLIS G. POTTER, MD, ANIL S. RANAWAT, MD Non-HSS: Mark Miller, MD, Stephen F. Brockmeier, MD, Christopher M. Gaskin, MD
4:00 PM - 6:00 PM Moscone West, 3001	2-Hour Instructional Course: 368 – Shoulder/Elbow – Shoulder Arthroplasty: The State of the Art	EDWARD V. CRAIG, MD, MPH, DAVID M. DINES, MD (MODERATOR) Non-HSS: Wayne Z. Burkhead, Jr, MD, Gregory Nicholson, MD
4:54 PM - 5:00 PM Moscone West, 2002	Paper Presentations: 578 – Spine IV – Failure of Pelvic Fixation after Long Construct Fusions in Adult Deformity Patients and Its Risk Factors	WOJIN CHO, MD, PhD Non-HSS: Jonathan R. Mason, MD, Adam S. Wilson, MD, Christopher I. Shaffrey, MD, Francis H. Shen, MD, Adam L. Shimer, MD, Wendy Novicoff, PhD, Kaiming G. Fu, MD, PhD, Joshua E. Heller, MD, Vincent Arlet, MD
5:00 PM - 5:06 PM Moscone West, 2002	Paper Presentations: 579 – Spine IV – Sensory and Motor Deficit Following Lateral Lumbar Interbody Fusion	MATTHIAS PUMBERGER, MD, SUHEL KOTWAL, MD (ALUMNI), ARVIND G. VON KEUDELL, MD, ALEXANDER P. HUGHES, MD, ANDREW A. SAMA, MD, FRANK P. CAMMISA, JR, MD, FEDERICO P. GIRARDI, MD Non-HSS: Michael Mayer, MD

AAOS SESSIONS – FRIDAY, FEBRUARY 10 – MOSCONE CENTER

Time/Location	Title	Presenters/Authors
7:00 AM - 10:00 AM Marriott, Golden Gate Cl	Surgical Skills Course: 11SK – Shoulder/Elbow – Let's Do a Total Shoulder Replacement	EDWARD V. CRAIG, MD, MPH (MODERATOR) Non-HSS: Evan L. Flatow, MD, John W. Sperling, MD, MBA, Lynn A. Crosby, MD, Thomas B. Edwards, MD
8:00 AM - 10:00 AM Moscone South, Gateway Ballroom	Symposium V – Adult Recon Hip – Avoiding Pitfalls in Primary Total Hip Arthroplasty – When to Cement	CHITRANJAN S. RANAWAT, MD Non-HSS: Moderator: Adolph V. Lombardi Jr, MD
8:00 AM - 10:00 AM Moscone West, 2005	Symposium X – Tumor/Metabolic Disease – Current Concepts and Controversies in Skeletal Reconstruction – Distraction Osteogenesis in Large Skeletal Defects	AUSTIN T. FRAGOMEN, MD Non-HSS: Moderator: Kevin A. Raskin, MD
8:00 AM - 10:00 AM Moscone West, 2005	Symposium X – Tumor/Metabolic Disease – Current Concepts and Controversies in Skeletal Reconstruction – Reconstructive Techniques for the Forearm and Hand	EDWARD A. ATHANASIAN, MD Non-HSS: Moderator: Kevin A. Raskin, MD
8:00 AM - 8:06 AM Moscone West, 2002	Paper Presentations: 631 – Spine V – Optimal Pedicle Screw Thread Design for Use in Osteoporotic Bone	OHENEBA BOACHIE-ADJEI, MD Non-HSS: Khaled M. Kebaish, MD, Jacob M. Buchowski, MD, Mark D. Rahm, MD, Marilyn Gates, MD, Hani Mhaidli, MD, Donald A. Deimlein, MD, Kenneth J. Paonessa, MD, Gordon D. Donald, MD
9:00 AM - 9:06 AM Moscone West, 2002	Paper Presentations: 639 – Spine V – The Feasibility of Translaminar Screws in the Subaxial Cervical Spine: CT and Cadaveric Validation	WOJIN CHO, MD, PhD Non-HSS: Jason T. Le, BS, Adam L. Shimer, MD, Brian C. Werner, MD, Michael Iwanik, PhD, John A. Glaser, MD, Francis H. Shen, MD
10:30 AM - 12:30 PM Moscone South, Gateway Ballroom	Symposium: Y – Sports Med/Arthroscopy – Managing the Active Patient with Knee Arthritis: Delaying or Preventing Arthroplasty – Alternatives to Surgery: Pharmacologic: Analgesics, NSAIDs, GS/CS	JO A. HANNAFIN, MD, PhD, BRIAN J. COLE, MD (MODERATOR, ALUMNI)
10:30 AM - 12:30 PM Moscone South, Gateway Ballroom	Symposium: Y – Sports Med/Arthroscopy – Managing the Active Patient with Knee Arthritis: Delaying or Preventing Arthroplasty – Biologics: Meniscus Transplantation	SCOTT A. RODEO, MD, BRIAN J. COLE, MD (MODERATOR, ALUMNI)
11:24 AM - 11:30 AM Moscone West, 2002	Paper Presentations: 698 – Spine VI – Nurick Grade based Surgical Intervention in Cervical Spondylotic Myelopathy Affects Improvement in Symptoms	MATTHIAS PUMBERGER, MD, HAN JO KIM, MD (ALUMNI), ALEXANDER P. HUGHES, MD, ANDREW A. SAMA, MD, FRANK P. CAMMISA, JR, MD, FEDERICO P. GIRARDI, MD Non-HSS: Arvind G. Von Keudell, MD
11:54 AM - 12:00 PM Moscone West, 2024	Paper Presentations: 687 – Pediatrics IV – Comparison of Multiplanar Fluoroscopic Imaging and CT for Measurement of TT-TG Distance in Patellar Instability	KRISTOFER JONES, MD, MA, CHRISTOPHER KEPLER, MD (ALUMNI), BRENDAN D. SKONIECZKI, MD (ALUMNI), MICHAEL B. CROSS, MD, SCOTT A. RODEO, MD, HELENE PAVLOV, MD
12:18 PM - 12:24 PM Moscone West, 2002	Paper Presentations: 705 – Spine VI – rhBMP-2 and Modern Surgical Techniques Reduce the Pseudarthrosis Rate in Adult Spinal Deformity	WOJIN CHO, MD Lukas P. Zebala, MD, Jacob M. Buchowski, MD, Keith H. Bridwell, MD, Samuel Kang-Wook Cho, MD, Matthew M. Kang, MD, Joshua Pahys, MD
1:30 PM - 2:15 PM Booth 4005	Ask an Expert Sessions – Sports Medicine	SCOTT A. RODEO, MD Non-HSS: John A. Bergfeld, MD
1:30 PM - 3:30 PM Moscone West, 3001	2-Hour Instructional Course: 441 – Adult Reconstruction Hip – How to Do a Revision Total Hip Arthroplasty	DOUGLAS E. PADGETT, MD, KEVIN L. GARVIN, MD (MODERATOR, ALUMNI) Non-HSS: William Jiranek, MD, Scott Sporer, MD
1:30 PM - 3:30 PM Moscone South, 303	2-Hour Instructional Course: 452 – Shoulder/Elbow – Diagnosis and Treatment of the Biceps-Labral Complex: The State of the Art 2012	STEPHEN J. O'BRIEN, MD, MBA (MODERATOR) Non-HSS: Neal S. ElAttrache, MD, Pascal Boileau, MD, Gary M. Gartsman, MD
2:30 PM - 3:15 PM Booth 4005	Ask an Expert Sessions – Knee	CHITRANJAN S. RANAWAT, MD Non-HSS: Kelly G. Vince, MD
4:00 PM - 6:00 PM Moscone West, 3001	2-Hour Instructional Course: 470 – Sports Medicine/Arthroscopy – Hip Arthroscopy: Advanced Surgical Techniques	ROBERT L. BULY, MD, BRYAN T. KELLY, MD Non-HSS: J.W.T. Byrd, MD, Michael Lewinig, MD
4:00 PM - 6:00 PM Moscone West, 3004	Paper Presentations: 766-780 – Adult Reconstruction Hip VII	DOUGLAS E. PADGETT, MD (CO-MODERATOR) Non-HSS: Jeffrey Passick (Co-Moderator)
4:48 PM - 4:54 PM Moscone West, 2024	Paper Presentations: 802 – Adult Reconstruction Knee VII – Comparative Polyethylene Insert Retrieval Analysis of Mobile Versus Fixed-Bearing Total Knee Arthroplasty	SETH A. JERABEK, MD (ALUMNI), KIRSTEN STONER, MS, NATALIE KELLY, ROSE FU, MS, STEPHANIE TOW, TIMOTHY M. WRIGHT, PhD, DOUGLAS E. PADGETT, MD
5:00 PM - 5:35 PM Marriott, Salon 7	Orthopaedic Review Course: 490 Metabolic Bone Disease	JOSEPH M. LANE, MD
5:48 PM - 5:54 PM Moscone West, 2014	Paper Presentations: 795 – Sports Medicine/Arthroscopy VI – Recombinant Human Platelet-Derived Growth Factor-BB (rhPDGF-BB) in a Rat Tendinopathy Model	JOSHUA DINES, MD, DAVID M. DINES, MD Non-HSS: Vivek R. Shah, PhD, Alison M. Benedele, PhD, Hans Kestler, Jeffrey Hollinger, Nadeen Chahine, PhD, Charlie Hee, PhD

HSS PRESENTERS AT THE AAOS/ORS ANNUAL MEETING

AAOS SPECIALTY DAY – SATURDAY, FEBRUARY 11 – MOSCONE CENTER

Time/Location	Title	Presenters/Authors
7:30 AM - 8:00 AM Moscone South, 301	AMERICAN SHOULDER AND ELBOW SURGEONS Session I: Rotator Cuff I	FRANK A. CORDASCO, MD, MS (MODERATOR)
7:35 AM - 7:40 AM Moscone South, 301	AMERICAN SHOULDER AND ELBOW SURGEONS <i>Session I: Rotator Cuff I</i> Paper #2 Relationship between Duration of Rotator Cuff Tear Symptoms and Patient Presentation Features	WARREN R. DUNN, MD, MPH (ALUMNI), KEITH M. BAUMGARTEN, MD (ALUMNI), ROBERT H. BROPHY, MD (ALUMNI), C. BENJAMIN MA, MD (ALUMNI), ROBERT G. MARX, MD, MPH, ERIC C. MCCARTY, MD (ALUMNI), ARMANDO F. VIDAL, MD (ALUMNI), BRIAN R. WOLF, MD (ALUMNI) Non-HSS: Kenneth P. Unruh, MD, John E. (Jed) Kuhn, MD, Rosemary Sanders, BA, Angel Qi An, MS, Julie Y. Bishop, MD, James L. Carey, MD, MPH, G. Brian Holloway, MD, Grant L. Jones, MD, Sourav K. Poddar, MD, Matthew V. Smith, MD, Edwin E. Spencer, Jr., MD, Rick W. Wright, MD
8:00 AM - 8:20 AM Moscone West, 2002	ORTHOPAEDIC TRAUMA ASSOCIATION Sleep Deprivation and Fatigue Management in Orthopaedics: Is Mandatory Disclosure or Duty Hour Restrictions the Answer?	MICHAEL NUROK, MBChB, PhD Non-HSS: Moderator: Jeffrey O. Anglen, MD
8:11 AM - 8:17 AM Moscone South, 307	AMERICAN ORTHOPAEDIC SOCIETY FOR SPORTS MEDICINE <i>Scientific Session 1: Sports Shoulder</i> Humeral Head	RUSSELL F. WARREN, MD Non-HSS: Moderator: Neal S. ElAttrache MD
8:17 AM - 8:23 AM Moscone West, 3022	THE KNEE SOCIETY AND THE AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS <i>Symposium I: TKR in the Younger Patient – Happening, But is it Reasonable?</i> TKR Failure Modes in the Younger Patient	TIMOTHY M. WRIGHT, PhD Moderator: Carlos J. Lavernia, MD
9:00 AM - 10:00 AM Moscone West, 3016	MUSCULOSKELETAL TUMOR SOCIETY Pathologic Fracture/Latrogenic Contamination of Osteosarcomas – Amputate or LSS?	JOHN H. HEALEY, MD Non-HSS: Mark Gebhardt, MD
9:05 AM - 9:10 AM Moscone West, 2005	AMERICAN ORTHOPAEDIC FOOT & ANKLE SOCIETY <i>Session 2: Syndesmosis – Syndesmosis and Lateral Ankle Sprains in the National Football League</i>	DARYL C. OSBAHR, MD (ALUMNI), MARK C. DRAKOS, MD, PADHRAIG F. O'LOUGHLIN, MD (ALUMNI), STEPHEN LYMAN, PhD, JOHN G. KENNEDY, MD, FRCS (ORTH), RUSSELL F. WARREN, MD Non-HSS: Ronnie P. Barnes, MA, ATC; Moderators: J. Chris Coetzee, MD, Matthew M. Buchanan, MD
9:24 AM - 9:41 AM Moscone West, 3018	THE HIP SOCIETY AND THE AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS <i>Symposium II: The Bearing Dilemma in 2012</i> Discussion: Cases and Audience Participation	THOMAS P. SCULCO, MD Non-HSS: A. Seth Greenwald, D.Phil.(Oxon), Carsten Perka, MD, John Skinner, MBBS, FRCS (Eng), FRCS (Orth), Laurent Sigismund Sedel, MD, PhD, Orhun K. Muratoglu, PhD, Michael A. Mont, MD; Moderator: William J. Maloney, III, MD
9:12 AM - 9:24 AM Moscone West, 3022	THE KNEE SOCIETY AND THE AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS <i>Symposium II: Controversies in TKR – What does Long-Term Follow-Up Tell Us?</i> Debate: PCL Sacrificing Versus Retaining TKRs? Sacrificing	STEVEN B. HAAS, MD Non-HSS: Gerard A. Engh, MD; Moderator: Michael D. Ries, MD
9:50 AM - 10:00 AM Moscone South Gateway Ballroom	ARTHROSCOPY ASSOCIATION OF NORTH AMERICA <i>Session II: Rotator Cuff Symposium</i> Is There a Role For Biologics in Rotator Cuff Repair? Facts Versus Fiction	SCOTT A. RODEO, MD Non-HSS: John D. Kelly IV, MD, LCOL Brett D. Owens, MD (Co-Moderators)
10:05 AM - 10:10 AM Moscone South, 301	AMERICAN SHOULDER AND ELBOW SURGEONS <i>Session IV: Elbow</i> Paper #16 Single Incision Chronic Distal Biceps Reconstruction with Allograft	MICHAEL B. CROSS, MD, CLAUS C. EGIDY, MD, DENNIS NAM, MD, DARYL C. OSBAHR, MD, JOSHUA DINES, MD Non-HSS: Ray H. Wu, BS, Moderator: Graham J.W. King, MD
10:35 AM - 10:50 AM Moscone West, 3004	AMERICAN SOCIETY FOR SURGERY OF THE HAND & AMERICAN ASSOCIATION FOR HAND SURGERY <i>Flexor Tendon Repair</i> Flexor Tendon Repair Zone I	SCOTT W. WOLFE, MD
11:05 AM - 11:50 AM Moscone West, 2005	AMERICAN ORTHOPAEDIC FOOT & ANKLE SOCIETY Session 4: Sports	WILLIAM G. HAMILTON, MD (MODERATOR) Richard D. Ferkel, MD (Co-Moderator)
11:15 AM - 11:25 AM Moscone West, 2005	AMERICAN ORTHOPAEDIC FOOT & ANKLE SOCIETY <i>Session 4: Sports – Invited Lecture:</i> Ankle Instability in the Athlete: Do We Treat Dancers and Football Linemen Differently?	WILLIAM G. HAMILTON, MD
11:25 AM - 11:30 AM Moscone West, 2005	AMERICAN ORTHOPAEDIC FOOT & ANKLE SOCIETY <i>Session 4: Sports –</i> Midfoot Sprains in the National Football League	DARYL C. OSBAHR, MD (ALUMNI), MARK C. DRAKOS, MD, PADHRAIG F. O'LOUGHLIN, MD (ALUMNI), STEPHEN LYMAN, PhD, JOHN G. KENNEDY, MD, FRCS (ORTH), RUSSELL F. WARREN, MD Non-HSS: Ronnie P. Barnes, MA, ATC;
11:30 AM - 11:45 AM Moscone West, 2003	LEMB LENGTHENING AND RECONSTRUCTION SOCIETY: ASAMI-NORTH AMERICA <i>Say What You're Thinking –</i> What Are the 5 Most Important Research Questions in Limb Lengthening and Reconstruction?	S. ROBERT ROZBRUCH, MD

Please note: presenters, locations and times are subject to change.

HSS PRESENTERS AT THE AAOS/ORS ANNUAL MEETING

AAOS SPECIALTY DAY – SATURDAY, FEBRUARY 11 – MOSCONE CENTER

Time/Location	Title	Presenters/Authors
12:55 PM - 1:40 PM Moscone West, 3022	THE KNEE SOCIETY AND THE AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS Symposium V: Difficult TKR Patients: Challenging The Experts	MARK P. FIGGIE, MD, THOMAS P. SCULCO, MD Non-HSS: <i>Johan Bellemans, MD, PhD, Lawrence D. Dorr, MD, William J. Maloney, III, MD, Aaron G. Rosenberg, MD, FACS; Moderator: Robert T. Trousdale, MD</i>
1:20 PM - 1:30 PM Moscone South, Gateway Ballroom	ARTHROSCOPY ASSOCIATION OF NORTH AMERICA <i>Session IV: Hip Arthroscopy Symposium</i> Traumatic Hip Instability in Athletes	BRYAN T. KELLY, MD
1:30 PM - 2:40 PM Moscone South, 304	PEDIATRIC ORTHOPAEDIC SOCIETY OF NORTH AMERICA SCFE Controversies	ERNEST L. SINK, MD (MODERATOR)
2:01 PM - 2:07 pm Moscone South, 307	AMERICAN ORTHOPAEDIC SOCIETY FOR SPORTS MEDICINE <i>Scientific Session 8: Rotator Cuff</i> PAPER 16: Do Diabetes or Statins Affect Clinical Outcomes or Healing of Arthroscopic Rotator Cuff Repairs?	SALMA CHAUDHURY, MD, PhD, MRCS, ALICE J. FOX, MSc, FLORIAN WANIVENHAUS, MD, LAWRENCE V. GULOTTA, MD, RUSSELL F. WARREN, MD, RONALD ADLER, MD, JOSEPH NGUYEN, MPH, JOSHUA S. DINES, MD, SCOTT A. RODEO, MD
2:30 PM - 2:31 PM Moscone West, 3022	THE KNEE SOCIETY AND THE AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS <i>The Knee Society Awards –</i> The John Insall Award – Introduction	STEVEN B. HAAS, MD <i>Moderator: Adolph V. Lombardi, Jr., MD, FACS</i>
2:31 PM - 2:37 PM Moscone South, 307	AMERICAN ORTHOPAEDIC SOCIETY FOR SPORTS MEDICINE <i>Scientific Session 8: Miscellaneous</i> PAPER 19: Return to Play After Epidural Steroid Injection for Lumbar Disc Herniation in Professional American Football Athletes	AARON J. KRYCH, MD (ALUMNI), MARK C. DRAKOS, MD, PATRICK BIRMINGHAM, MD (ALUMNI), DANIEL I. RICHMAN, MD, FRANK P. CAMMISA JR, MD, RUSSELL F. WARREN, MD Non-HSS: <i>Leigh Jordan Weiss DPT, ATC, Ronnie P. Barnes, MS, ATC; Moderator: Claude T. Moorman III, MD</i>
3:05 PM - 3:35 PM Moscone South, Gateway Ballroom	ARTHROSCOPY ASSOCIATION OF NORTH AMERICA AND AMERICAN SHOULDER AND ELBOW SURGEONS <i>Shoulder and Elbow Controversies in Patient Management</i> Challenges in Shoulder Instability Surgery and How to Stay Out of Trouble	RUSSELL F. WARREN, MD (ASES MODERATOR) Non-HSS: <i>AAANA Moderator: Richard K.N. Ryu, MD, AAANA Panelists: Robert A. Arciero, MD, Matthew T. Provencher, MD ASES Panelists: James E. Tibone, MD, Jon J.P. Warner, MD</i>
3:35 PM - 3:52 PM Moscone West, 3022	THE KNEE SOCIETY AND THE AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS <i>Symposium VII: What Will We Be Doing in 2022?</i> Debate: Conventional Instruments Versus Patient Specific Instruments: Patient Specific	STEVEN B. HAAS, MD Non-HSS: <i>Paul F. Lachiewicz, MD; Moderator: Joshua J. Jacobs, MD</i>
3:45 PM - 3:50 PM Moscone West, 2005	AMERICAN ORTHOPAEDIC FOOT & ANKLE SOCIETY <i>Session 7: Bunions and Hammertoes</i> Correction of Medial and Lateral Subluxation of the Lesser Metatarsophalangeal Joints with Extensor Brevis Transfer and MP Release	ELIZABETH YOUNG, SCOTT J. ELLIS, MD, JONATHAN T. DELAND, MD Non-HSS: <i>Moderators: Stephen F. Conti MD, Nicholas A. Abidi, MD</i>
3:52 PM - 4:09 PM Moscone West, 3022	THE KNEE SOCIETY AND THE AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS <i>Symposium VII: What Will We Be Doing in 2022?</i> Debate: Cross Linked UHMWPE : Con	THOMAS P. SCULCO, MD Non-HSS: <i>Harry E. Rubash, MD; Moderator: Joshua J. Jacobs, MD</i>
4:00 PM - 4:05 PM Moscone West, 3018	THE HIP SOCIETY AND THE AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS <i>Symposium VIII: Revision Total Hip Arthroplasty: Video Vignettes</i> Impaction Grafting in Revision Total Hip Arthroplasty	DOUGLAS E. PADGETT, MD Non-HSS: <i>Moderator: Bassam A. Masri, MD, FRCSC</i>
4:09 PM - 4:26 PM Moscone West, 3022	THE KNEE SOCIETY AND THE AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS <i>Symposium VII: What Will We Be Doing in 2022?</i> Debate: Computer Assisted Surgery: Pro	DAVID J. MAYMAN, MD Non-HSS: <i>Robert L. Barrack, MD; Moderator: Joshua J. Jacobs, MD</i>
4:40 PM – 5:15 PM Moscone West, 3018	THE KNEE SOCIETY AND THE AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS <i>Symposium IX</i> My Worst Case: Let the Competition Begin	CHITRANJAN S. RANAWAT, MD Non-HSS: <i>William N. Capello, MD, Kenneth A. Krackow, MD, Richard H. Rothman, MD, Leo A. Whiteside, MD, Clive P. Duncan, MD; Moderator: John M. Cuckler, MD</i>
4:45 PM - 4:50 PM Moscone West, 2005	AMERICAN ORTHOPAEDIC FOOT & ANKLE SOCIETY <i>Session 8: Flatfoot</i> Correlation of Radiographic Parameters and Functional Outcome Scores in Patients after Flatfoot Reconstruction	SCOTT J. ELLIS, MD, ELIZABETH YOUNG, CAROLYN M. SOFKA, MD, JOSHUA H. LAMB, MD, JONATHAN T. DELAND, MD Non-HSS: <i>Moderators: Gregory P. Guyton, MD, Bruce J. Sangeorzan, MD</i>

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HSS PRESENTERS AT THE AAOS/ORS ANNUAL MEETING

AAOS POSTERS AND SCIENTIFIC EXHIBITS – FEBRUARY 7-10 AT ACADEMY HALL, MOSCONE WEST

The presenter will be available at the exhibit from 11:30 AM to 12:30 PM Wednesday through Friday for discussion.

Title	Presenters/Authors
Poster Presentation Number: P008 – Adult Reconstruction Hip – Development and Validation of Ranawat Orthopaedic Patient Administered Questionnaire (PAQ)	CAROL A. MANCUSO, MD, FACP, AMAR S. RANAWAT, MD, MORTEZA MEHTAH, MD, CHITRANJAN S. RANAWAT, MD
Poster Presentation Number: P028 – Adult Reconstruction Hip – Cerebral Blood Flow Velocity is Preserved during Total Hip Arthroplasty under Hypotensive Epidural Anesthesia	EDWIN P. SU, MD, ANNA MARIA BOMBARDIERI, III, MD, PhD, GEORGE GO, THOMAS P. SCULCO, MD, NIGEL E. SHARROCK, MD
Poster Presentation Number: P037 – Adult Reconstruction Hip – The Use of Performance-Based Tests for the Preoperative Evaluation of Total Hip Arthroplasty	AASIS UNNANUNTANA, MD (ALUMNI), JEFFREY E. MAIT, MD, ANDRE D. SHAFFER, JOSEPH M. LANE, MD, CAROL A. MANCUSO, MD, FACP
Poster Presentation Number: P097 – Adult Reconstruction Hip – A New Registration Method for Imageless Computer Navigation in Total Hip Arthroplasty: A Cadaveric Study	DAVID J. MAYMAN, MD Non-HSS: Edward T. Davis, FRCS, Holger Bathis, MD, Mario Schubert, Sabine Gneiting, Melanie Wegner
Poster Presentation Number: P128 – Adult Reconstruction Knee – MRI Following Unicompylar Knee Arthroplasty: The Preserved Compartments	THOMAS J. HEYSE, MD Non-HSS: Jens Figiel, MD, Jan O. Schmitt, MD, Markus Schofer, MD, Susanne Fuchs-Winkelmann, MD, Turgay Efe, MD
Poster Presentation Number: P194 – Adult Reconstruction Knee – Patient Expectations of Unicompartmental Versus Total Knee Arthroplasty: A Matched Pair Study	HUONG DO, MA, MICHAEL M. ALEXIADES, MD Non-HSS: Sebastian Rodriguez-Elizalde, MD, Omar Dessouki, MD, Bheeshma Ravi, MD
Poster Presentation Number: P201 – Adult Reconstruction Knee – Prospective Randomized Knee Arthroplasty Trial-Epidural/Femoral Blockade Versus Periarticular Injection	GEOFFREY H. WESTRICH, MD, DOUGLAS E. PADGETT, MD, DAVID J. MAYMAN, MD, AMAR S. RANAWAT, MD, MICHAEL M. ALEXIADES, MD, CHITRANJAN S. RANAWAT, MD, EDWIN P. SU, MD, JACQUES YADEAU, MD
Poster Presentation Number: P206 – Foot/Ankle – Ankle Distraction Arthroplasty: How Much is Enough?	THOMAS H. MCCOY, JR, AUSTIN T. FRAGOMEN, MD, KATE MEYERS, MS, S. ROBERT ROZBRUCH, MD
Poster Presentation Number: P221 – Foot/Ankle – Correction of Medial/Lateral Subluxation of Lesser MP Joints with Extensor Brevis Transfer/MP Release	SCOTT J. ELLIS, MD, JONATHAN T. DELAND, MD Non-HSS: Elizabeth A. Young
Poster Presentation Number: P259 – Pediatrics – Socioeconomic Factors Influence Repeat Emergency Department Visits in Pediatric Patients with Closed Fractures	CHRISTOPHER J. DY, MD, HUONG DO, MA, PETER D. FABRICANT, MD, STEPHEN LYMAN, PhD, DANIEL W. GREEN, MD
Poster Presentation Number: P362 – Spine – Anterior Release Generates More Thoracic Rotation Than Ponte Osteotomy: A Biomechanical Human Cadaver Spine Study	KATE MEYERS, MS, TERRY D. AMARAL, MD (ALUMNI), TIMOTHY M. WRIGHT, PhD, VISHAL SARWAHI, MD (ALUMNI) Non-HSS: Adam L. Wollowick, MD, Erin Farrelly, MD, Seth Grossman, MD
Poster Presentation Number: P364 – Spine – Myelomalacia on MRI is Poorly Correlated with Severity of Disease in Cervical Spondylitic Myelopathy	HAN JO KIM, MD (ALUMNI), MATTHIAS PUMBERGER, MD, JOSEPH NGUYEN, MPH, DARA FROEMEL, MD, ALEXANDER P. HUGHES, MD, ANDREW A. SAMA, MD, FRANK P. CAMMISA, JR, MD, FEDERICO P. GIRARDI, MD
Poster Presentation Number: P365 – Spine – The Insertion Technique of Translaminar Screws in the Thoracic Spine: CT and Cadaveric Validation	WOOJIN CHO, MD Non-HSS: Jason T. Le, BS, Adam L. Shimer, MD, Brian C. Werner, MD, Michael Iwanik, PhD, John A. Glaser, MD, Francis H. Shen, MD
Poster Presentation Number: P370 – Spine – Duration of Symptoms Has No Correlation to Disease Severity in Cervical Spondylitic Myelopathy	MATTHIAS PUMBERGER, MD, HAN JO KIM, MD (ALUMNI), DARA FROEMEL, MD, MICHAEL MAYER, MD, ALEXANDER P. HUGHES, MD, ANDREW A. SAMA, MD, FRANK P. CAMMISA, JR, MD, FEDERICO P. GIRARDI, MD
Poster Presentation Number: P377 – Spine – The Prevalence of Abnormal Preoperative Neurologic Exam in Scheuermann's Kyphosis	WOOJIN CHO, MD Non-HSS: Lawrence G. Lenke, MD, Keith H. Bridwell, MD, Guangxun Hu, Jacob M. Buchowski, MD, Joshua Pahys, MD, Samuel Kang-Wook Cho, MD, Matthew M. Kang, MD, Lukas P. Zebala, MD, Linda A. Koester
Poster Presentation Number: P385 – Spine – Anterior Versus Posterior Surgery for Lenke 5 Adolescent Idiopathic Scoliosis: Clinical and Radiographic Outcomes	DARREN R. LEBL, MD, OHENEBA BOACHIE-ADJEL, MD, JASPAUL S. GOGIA, MD (ALUMNI), AKILAH B. KING, MATTHEW E. CUNNINGHAM, MD, PhD Non-HSS: J. I. Krajcovich, MD, Raymond Woo, MD, Mark D. Rahm, MD, Behrooz A. Akbarnia, MD, Complex Spine Study Group
Poster Presentation Number: P387 – Spine – Anterior L5-S1 Fusion Does Not Improve Sagittal Alignment Following Pedicle Subtraction Osteotomy	OHENEBA BOACHIE-ADJEL, MD Non-HSS: Munish C. Gupta, MD, Eric O. Klineberg, MD, Virginie Lafage, PhD, Robert S. Bess, MD, Frank J. Schwab, MD, Khaled M. Kebaish, MD, Kirkham B. Wood, MD, Behrooz A. Akbarnia, MD
Poster Presentation Number: P388 – Spine – Lenke 1 AIS Curves: Where to Stop and How Does it Affect Shoulder Balance? Selective Versus Non-Selective Thoracic Fusions	JASPAUL S. GOGIA, MD (ALUMNI), DARREN R. LEBL, MD, AKILAH B. KING, MATTHEW E. CUNNINGHAM, MD, PhD, JOHN S. BLANCO, MD, ROGER F. WIDMANN, MD, OHENEBA BOACHIE-ADJEL, MD Non-HSS: Complex Spine Study Group
Poster Presentation Number: P389 – Spine – Anatomy of Lamina in the Thoracolumbar Spine with the Special Reference to Translaminar Screws	WOOJIN CHO, MD, PhD Non-HSS: Jason T. Le, BS, Adam L. Shimer, MD, Brian C. Werner, MD, Michael Iwanik, PhD, John A. Glaser, MD, Francis H. Shen, MD
Poster Presentation Number: P423 – Sports Medicine/Arthroscopy – Effect of Tibial Slope on the Stability of the Anterior Cruciate Ligament Deficient Knee	JAMES VOOS, MD (ALUMNI), EDUARDO M. SUERO, MD, FRANK PETRIGLIANO, MD (ALUMNI), THOMAS L. WICKIEWICZ, MD, ANDREW D. PEARLE, MD
Poster Presentation Number: P424 – Sports Medicine/Arthroscopy – Return to Play after Epidural Steroid Injection for Lumbar Disc Herniation in Professional Football Athletes	AARON J. KRYCH, MD (ALUMNI), DANIEL RICHMAN, MD, MARK C. DRAKOS, MD, PATRICK BIRMINGHAM, MD (ALUMNI), FRANK P. CAMMISA, JR, MD, RUSSELL F. WARREN, MD Non-HSS: Leigh Weiss, Ronnie P. Barnes, MA, ATC;
Poster Presentation Number: P425 – Sports Medicine/Arthroscopy – Soft Tissue Healing in an In Vivo Anterior Cruciate Ligament (ACL) Allograft Model	SCOTT A. RODEO, MD, BRIAN J. COLE, MD (ALUMNI) Non-HSS: Sanjeev Bhatia, MD, Rebecca Bell, BS, Rachel M. Frank, MD, Bernard R. Bach, Jr, MD, Susanna G. Chubinskaya, PhD, Vincent Wang, Nikhil N. Verma, MD

Please note: presenters, locations and times are subject to change.

HSS PRESENTERS AT THE AAOS/ORS ANNUAL MEETING

AAOS POSTERS AND SCIENTIFIC EXHIBITS – FEBRUARY 7-10 AT ACADEMY HALL, MOSCONE WEST

The presenter will be available at the exhibit from 11:30 AM to 12:30 PM Wednesday through Friday for discussion.

Title	Presenters/Authors
Poster Presentation Number: P427 – Sports Medicine/Arthroscopy – A Novel Approach to Assess Dynamic Function in the Non-Arthritic Hip	TRAVIS G. MAAK, MD, ANIL S. RANAWAT, MD, ANDREW KRASZEWSKI, MS, SHERRY I. BACKUS, PT, HOWARD HILLSTROM, PhD, BRYAN T. KELLY, MD
Poster Presentation Number: P442 – Sports Medicine/Arthroscopy – Evaluation of a Porous Nondegradable Hydrogel Scaffold as a Functional Treatment for Cartilage Defects	AARON J. KRYCH, MD (ALUMNI), FLORIAN WANIVENHAUS, MD, KENNETH W. NG, PhD, MOIRA M. MCCARTHY, MD, STEPHEN DOTY, PhD, SUZANNE A. MAHER, PhD, RUSSELL F. WARREN, MD
Poster Presentation Number: P451 – Sports Medicine/Arthroscopy – Anteromedial Versus Central Single Bundle ACL Graft Position: Which Anatomic Graft Position to Choose?	MICHAEL B. CROSS, MD, VOLKER MUSAHL, MD (ALUMNI), ASHEESH BEDI, MD (ALUMNI), PADHRAIG F. O'LOUGHLIN, MD (ALUMNI), SOMMER HAMMOUD, MD (ALUMNI), EDUARDO M. SUERO, MD, CLAUS C. EGIDY, MD, ANDREW D. PEARLE, MD
Poster Presentation Number: P457 – Trauma – Outcomes and Complications of the Posterolateral Approach for Supination External Rotation Ankle Fractures	MILTON T. LITTLE, MD, MARSCHALL B. BERKES, MD, LIONEL E. LAZARO, MD, PETER K. SCULCO, MD, RACHEL CYMERMAN, KEITH HENTEL, DAVID L. HELFET, MD, DEAN G. LORICH, MD
Poster Presentation Number: P480 – Trauma – Arterial Supply to the Patella: A Qualitative and Quantitative Anatomy Study Using Gadolinium-enhanced MRI	DAVID WELLMAN, MD, LIONEL E. LAZARO, MD, CRAIG KLINGER, JONATHAN DYKE, PhD, THOMAS W. AXELRAD, MD, PhD (ALUMNI), DAVID LEU, MD (ALUMNI), GREG SABOIEIRO, MD, DAVID L. HELFET, MD, DEAN G. LORICH, MD
Poster Presentation Number: P481 – Trauma – Endosteal Strut Augment Reduces Complications Associated with Proximal Humeral Locking Plates	ANDREW NEVIASER, MD (ALUMNI), CAROLYN HETTRICH, MD, MPH, (ALUMNI), BRANDON S. BEAMER, MD (ALUMNI), JOSHUA DINES, MD, DEAN G. LORICH, MD
Poster Presentation Number: P485 – Trauma – Clinical Evaluation of Mini-fragment Fixation for the Treatment of Olecranon Fractures	DAVID WELLMAN, MD, LIONEL E. LAZARO, MD, RACHEL CYMERMAN, THOMAS W. AXELRAD, MD, PhD (ALUMNI), DAVID LEU, MD (ALUMNI), DAVID L. HELFET, MD, DEAN G. LORICH, MD
Poster Presentation Number: P508 – Trauma – Comparison of Functional Outcomes Between Bony and Ligamentous Injuries in SER IV Ankle Fractures	MARSCHALL B. BERKES, MD, MILTON T. LITTLE, MD, LIONEL E. LAZARO, MD, PETER K. SCULCO, MD, RACHEL CYMERMAN, DAVID L. HELFET, MD, DEAN G. LORICH, MD
Poster Presentation Number: P542 – Tumor/Metabolic Bone Disease – Computer-Generated Custom Jigs Substantially Improve Accuracy of Wide Resection of Bone Tumors	JOSEPH D. LIPMAN, MS, ANDREW D. PEARLE, MD, JOHN H. HEALEY, MD, FACS Non-HSS: Fazel Khan, MD
Poster Presentation Number: P543 – Tumor/Metabolic Bone Disease – Nonunions of Atypical Bisphosphonates Subtrochanteric Fracture – A Multimodal Treatment Approach	THOMAS W. AXELRAD, MD, PhD (ALUMNI), ASHOK L. GOWDA, MD, LIONEL E. LAZARO, MD, RACHEL CYMERMAN, DAVID WELLMAN, MD, DAVID LEU, MD (ALUMNI), DAVID E. ASPRINIO, MD, DAVID L. HELFET, MD, DEAN G. LORICH, MD
Scientific Exhibit: SE36 – Adult Reconstruction Knee – How to Minimize Infection Risk and Maximize Patient Outcomes in Total Joint Replacement	THOMAS P. SCULCO, MD Non-HSS: Khaled J. Saleh, MD, MSc, FRCSC, FACS, William M. Mihalko, MD, PhD, Javad Parvizi, MD
Scientific Exhibit: SE40 – Basic Research – A Clinician's Guide to Pharmacologic Agents in Orthopaedic Surgery	MICHAEL B. CROSS, MD, DENIS NAM, MD, KEITH R. REINHARDT, MD, BENJAMIN A. MCARTHUR, MD, MATHIAS P. BOSTROM, MD,
Scientific Exhibit: SE60 – Shoulder/Elbow – Infection After Shoulder Surgery With Propionibacterium Acnes	SOMMER HAMMOUD, MD (ALUMNI), CLIFFORD VOIGT, MD, TRAVIS G. MAAK, MD, ANDY MILLER, MD, BARRY D. BRAUSE, MD, RUSSELL F. WARREN, MD
Scientific Exhibit: SE62 – Shoulder/Elbow – The Kinetic Chain of Overhead Throwing: A Systematic Review of Biomechanics and Associated Pathoanatomy	KRISTOFER JONES, MD, JOSHUA DINES, MD, DEMETRIS DELOS, MD, MARK SCHRUMPE, MD, TRAVIS G. MAAK, MD, ASHEESH BEDI, MD, BRYAN T. KELLY, MD, DAVID W. ALTCHER, MD, DAVID M. DINES, MD
Scientific Exhibit: SE66 – Spine – The Performance of a Lumbar Total Disc Replacement In Vivo: A Retrieval Analysis of Wear Properties and Fixation	DARREN R. LEBL, MD, FRANK P. CAMMISA, JR, MD, FEDERICO P. GIRARDI, MD, TIMOTHY M. WRIGHT, PhD, CELESTE ABJORNSON, PhD
Scientific Exhibit: SE70 – Sports Medicine/Arthroscopy – The Approach to the Evaluation and Surgical Treatment of Mechanical Hip Pain in the Young Patient	ALEXANDER WEBER, MD (ALUMNI), BRYAN T. KELLY, MD, ASHEESH BEDI, MD (ALUMNI) Non-HSS: Jack G. Skendzel, MD, Michael Leunig, MD
Scientific Exhibit: SE71 – Sports Medicine/Arthroscopy – Reconstruction of the Anterior Cruciate Ligament in the Skeletally Immature Athlete: A Review of Current Concepts	KRISTOFER JONES, MD, PETER D. FABRICANT, MD, DEMETRIS DELOS, MD, DANIEL W. GREEN, MD, ROBERT G. MARX, MD, ANDREW D. PEARLE, MD, RUSSELL F. WARREN, MD
Scientific Exhibit: SE72 – Sports Medicine/Arthroscopy – Meniscus Replacement: Current Status of Allograft Transplantation and Synthetic Materials	CLIFFORD VOIGT, MD, DEMETRIS DELOS, MD, FLORIAN WANIVENHAUS, MD, JOHN M. SOLIC, MD (ALUMNI), KIRSTEN STONER, MS, SAIF ALZOUBAEE, SUZANNE A. MAHER, PhD, SCOTT A. RODEO, MD
Scientific Exhibit: SE76 – Sports Medicine/Arthroscopy – Managing Bone Loss in Anterior Instability	MARK SCHRUMPF, MD, JOSHUA DINES, MD, ASHEESH BEDI, MD (ALUMNI), TRAVIS G. MAAK, MD, DEMETRIS DELOS, MD, KRISTOFER JONES, MD, DAVID M. DINES Non-HSS: Gilles Watch, MD
Scientific Exhibit: SE81 – Trauma – Atypical Femoral Fractures: What Do We Know About Them?	AAIS UNNANUNTANA, MD (ALUMNI), JOHN P. KLEIMEYER, ANAS SALEH, MD, KOFI MENSAH, MD, PhD, JOSEPH M. LANE, MD
Scientific Exhibit: SE86 – Tumor/Metabolic Bone Disease – Demystifying Therapeutics for Osteoporosis and Optimizing Medication Usage During Arthroplasty and Fracture Care	ALISON KITAY, MD, ALEXIA HERNANDEZ-SORIA, MD, CHRISTOPHER J. DY, MD, JOSEPH M. LANE, MD

Please note: presenters, locations and times are subject to change.