

Education

Haverford College, Haverford, PA
 Received *B.A. in English*, May 1996

University of Pennsylvania, Philadelphia, PA, 1996-8

Thomas Jefferson Medical College, Philadelphia, PA
 M.D., *Magna Cum Laude*, June 2002

Postdoctoral Training

Massachusetts General Hospital, Boston, MA, 2002-3
 Surgical Internship

Harvard Combined Orthopedic Residency, Boston, MA, 2003-7
 Program Chair: James Herndon, MD

Rush University Medical Center, Chicago, IL, 2007-8
 Adult Reconstruction Fellowship- Minimally invasive and Revision hip and knee replacement



Alexander P. Sah, MD
Board Certified Orthopaedic Surgeon

Licensure and Certification

California Medical License, 2008

Certified, American Board of Orthopaedic Surgery, 2010

Fellow, American Academy of Orthopaedic Surgeons, 2011

Fellow, American Association of Hip & Knee Surgeons, 2012

Awards

Top 10 of 220 students- First and Second Years, Jefferson Medical College, 1998 and 1999

High Honors Orthopedics and Surgery, Jefferson Medical College, 2000

Alpha Omega Alpha Honor Society, 2001

Hobart Amory Hare Honor Medial Society, 2001

Stewart Award, 2002

National Honor Society Membership, 2002

Barrett Family Award, Harvard Orthopedics, Best Research Thesis, 2007

Leonard L. Marmor Award, Harvard Orthopedics, Resident Award for Excellence, 2007

"Best of Fremont" Doctor Honor Award, 2011, 2012, 2013, 2014, 2016, 2017, 2018, 2019

"Best of Fremont" Doctor Award Winner, 2015

Patient's Choice Award, 2011, 2012, 2013, 2014, 2016, 2017, 2018, 2019

HealthGrades Physician Award, 2011 and 2012

Compassionate Doctor Award, 2011, 2012, 2013, 2014, 2016, 2017, 2018, 2019

Paul Harris Fellowship Rotary Award, 2012

"Best of Fremont" Orthopedic Surgeon, Award Winner, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019

California Top 10 Orthopedic Surgeon, 2014

Metro Area- San Francisco Top 10 Orthopedic Surgeon, 2014

America's Most Honored Professional Award, Top 1%, 2016, 2017, 2018, 2019

"Best of Newark" Orthopedic Surgeon, Award Winner, 2016, 2017, 2018

"Best of Newark" Doctor, Award Winner, 2018

"Best of Newark" Surgeon, Award Winner, 2018

Best Doctors, 2017, 2018

Castle Connolly Top Doctors, 2017, 2018, 2019

Best Doctors in America® from 2017 to 2018- selected by peers for inclusion

San Francisco Magazine Top Doctors- 2019

Committee Appointments

Student Body Representative, Committee for Continuing Evaluation of the Code of Professional Conduct , 1998-2002

Chair, American Medical Association, Membership Committee, 2000-2002

Class Representative, Student Council, TJU Medical School, 2000-2002

Recruitment Coordinator, American Medical Student Association, 2001-2002

Administrative Chief Resident, Brigham & Women's Hospital, Boston, 2006 (Thomas Thornhill, MD)

Administrative Chief Resident, Massachusetts General Hospital, Boston, 2007 (Harry Rubash, MD)

Executive Committee, Harvard Orthopedic Program, Boston, 2006-7

Resident member of Partners Healthcare Chiefs of Service committee- Harry Rubash MD,

Thomas Thornhill MD, James Kasser MD, James Herndon MD, Mark Gebhardt MD

Resident Council, Class representative, 2004-5, 2006-7

CORE Curriculum Committee, 2005-6

Residency interview committee, 2006-7

Co-Director, Institute for Joint Restoration and Research, Washington Hosp, 2012 – present

Director, Outpatient Joint Replacement Program, Washington Hosp, 2014 – present

Chair, Department of Orthopedics, Washington Hospital, 2012 - 2015

Chair, IJRR Research and Education Committee, Washington Hospital, 2012 – present

Trustee, Washington Hospital Medical Foundation, 2012 - present

Reviewer of journal manuscripts, *Clinical Orthopedics and Related Research*, 2010-present

Editorial Board, *Techniques in Orthopaedics*, 2015-present

Minimally Invasive Surgery Committee, Washington Hospital, 2011 - present

Blood Utilization Subcommittee, Washington Hospital, 2012 - present

Member, Surgery Department Committee, Washington Hospital, 2012 – 2015

Menlo Park Office

695 Oak Grove Avenue, #200

Menlo Park 94025

t. 510.818.7200

Fremont Office

CJR Bldg, 2000 Mowry Avenue

Fremont 94538

f. 510.818.8710

Faculty, BioSurgery Institute – Orthopedic Steering Committee, Chicago, October 2012
American Academy of Orthopaedic Surgeons, Knee Program Committee, 2012 – 2016
American Academy of Orthopaedic Surgeons, Adult Hip Pilot CME Program, 2012
American Academy Orthopaedic Surgeons, Moderator Paper Session, 2014
AAOS, Annual Meeting, Critical Evaluator, 2013-present
Committee Member, Healthcare Delivery Comm, CA Orthopedic Association, 2014-present
Committee Member, Nominating Committee, CA Orthopedic Association, 2014-15 and 2016-17
Program Co-Director, VuMedi, Hip & Knee Program, SF Event, 2015
Multimodal Pain Management and Exparel Education Panel, 2015
VuMedi Webinar, *Reducing Recovery Time in Total Joint Arthroplasty*, Moderator, 2015
Orthopedic Advisor, PhysicalTherapy.com, 2015 - present
Member, Evidence Based Medicine Committee, Amer Assoc. Hip & Knee Surgeons, 2015-18
Board Member, Orthopedic Case of Month, OrthoCases.com, 2015 - 2017
Committee Member, Surgical Pain Consortium, Surgical Advisory Group, Dallas, 2015
Fellow, AAOS Leadership Fellows Program, 2016-17
Voting Panel Member, ACR-AAHKS Perioperative Management Guideline Group, 2015-16
Trustee, Board of Trustees, College Preparatory School, Oakland, CA 2016 - present
Committee Member, Membership Committee, Western Orthopedic Association 2016- present
American Academy of Orthopaedic Surgeons, Hip Program Committee, 2016 – present
Emerging Leader, American Orthopedic Association Emerging Leaders Forum, Seattle, 2016
Lead investigator of United States, Zimmer Persona partial knee evaluation, 2016-present
Voting Panel Member, AAOS-AAHKS Clinical Practice Guidelines on Surgical Management of Osteoarthritis of the Knee, 2016
Reviewer of journal manuscripts, *Journal of the AAOS*, 2017-present
American Academy of Orthopaedic Surgeons, Health Care Systems Committee, 2017
Writing Panel, **Management of Osteoarthritis of the Hip**, AAOS, 2017
Chair, Pain Management ASC Task Force, CA Orthopedic Association, 2017-19
Board of Directors, Northern CA District, CA Orthopedic Association, 2017-20
Evaluator, Zimmer Persona TM Tibia Knee Component, 2018
Chair, Outpatient TJA Criteria Task Force, CA Orthopedic Association, 2017-19
Evaluator, Zimmer Persona Revision Total Knee System, 2018

Board Member, Advisory Board on Professional Education, 2018

Reviewer Annual Meeting abstracts, American Association of Hip & Knee Surgeons, 2018

Member, Practice Management Committee, Amer Assoc. Hip & Knee Surgeons, 2018-

Panel, AAOS Treatment of Osteoarthritis of the Knee CPG Key Informant Panel, 2018

Member, Blue CA Statewide Orthopedic Collaborative Medical Advisory Committee, 2018-

Memberships

Jefferson Orthopedic Society, 1998-2002

Gibbon Surgical Society, 1998-2002

American Academy of Orthopaedic Surgeons, 2002 – present

Alameda-Contra Costa Medical Association, 2008 - present

California Orthopedic Association, 2012 – present

American Association of Hip and Knee Surgeons, 2014 – present

Western Orthopedic Association, 2015 – present

Publications

- Kamel OW, Holly EA, **Sah A.** A Population Based, Case Control Study of Non-Hodgkin's Lymphoma in Patients with Rheumatoid Arthritis. *The Journal of Rheumatology*. 1999; 26(8):1676-1680.
- Cancro MP, Allman D, Hayes CE, **Sah A.** B Cell Maturation and Selection at the Marrow- Periphery Interface. *Immunologic Research*. 1998; 17(1&2): 3-11.
- Cancro MP, **Sah AP**, Allman DM, Woodland RT. B cell production and turnover in CBA /Ca, CBA /N and CBA /N-bcl-2 transgenic mice: xid-mediated failure among pre B cells is unaltered by bcl-2 overexpression. *Current Topics in Microbiology and Immunology*. 2000; 252: 31-8.
- Cancro MP, **Sah AP**, Levy SL, Allman DM, Schmidt MR, Woodland RT. Xid mice reveal the interplay of homeostasis and Bruton's tyrosine kinase-mediated selection at multiple stages of B cell development. *International Immunology*. 2001; 13(12):1501-14.
- Harless SM, Lentz VM, **Sah AP**, Cancro MP. Competition for the BlyS-mediated signaling through Bcmd /BR3 regulates peripheral B lymphocyte numbers. *Current Biology*. 2001; 11(24): 1986-9.
- Mehr R, Shahaf G, **Sah A**, Cancro M. Asynchronous differentiation models explain bone marrow labeling kinetics and predict reflux between the pre- and immature B cell Pools. *International Immunology*. 2003; 15(3): 301-12.
- Labrie JE, **Sah AP**, Gerstein RM. Bone Marrow Microenvironmental Changes Underlie Reduced RAG-mediated Recombination and B Cell Generation in Aged Mice. *J. Exp. Med*. 2004; 200(4): 411-23.
- St. John TA, Vaccaro AR, **Sah AP.** Physical and Monetary Costs Associated With Autogenous Bone Graft Harvesting. *American Journal of Orthopedics*. 2003; 32(1):18-23.
- SinghK, **Sah A**, Vaccaro AR, McLain RF. The Value of Surgical Intervention in Spinal Trauma. Spine Surgery: Techniques, Complication Avoidance, and Management 2nd edition. Edward Benzel (editor), Philadelphia, Churchill Livingstone-Harcourt Health Science Publishers. 2005; 1367-1372.
- Sah AP**, Malchau H. Is there still a role for the cemented stem? *Orthopedics*. 2004; 27(9):963-4.
- Sah AP**, Springer BD, Scott RD. Unicompartmental Knee Arthroplasty in Octogenarians- Survival Beyond the Patient. *Clin Orthop Rel Res*. 2006;451:107-12.
- Springer BD, Scott RD, **Sah AP**, Carrington R. McKeever Hemiarthroplasty of the Knee in Patients Less Than Sixty Years- Old. *J Bone Joint Surg*. 2006;88:366-71.
- Sah AP**, Thornhill TS, LeBoff MS, Glowacki J. Correlation of Quantitative Bone Mineral Density with Plain Radiographic Indices of the Hip. *Osteoporosis International*. 2007; 18(8):1119-26.
- Sah AP**, Marsh E. Traumatic Simultaneous Asymmetric Hip Dislocations and Motor Vehicle Accidents- Case report and Review of the literature. *Orthopedics*. 2008;31:613.
- Sah AP**, Geller DS, Mankin HJ, Rosenberg AE DeLaney TF, Wright CD, Hornicek FJ. Malignant Transformation of Synovial Chondromatosis of the Shoulder to Chondrosarcoma- a Case Report. *J Bone Joint Surg*. 2007;89:1321-8.

Sah AP, Ready JE. Use of Oxidized Zirconium Hemiarthroplasty In Hip Fractures- Clinical results and spectrum analysis. *J Arthroplasty*. 2007;22:1174-80.

Sah AP, Scott RD, Iorio R. Angled polyethylene insert exchange for sagittal tibial malalignment in total knee arthroplasty- a case report. *J Arthroplasty*. 2008;23:141-4.

Sah AP, Scott RD. Lateral unicompartmental knee arthroplasty via a medial approach- Study with an average 5-year follow-up. *J Bone Joint Surg*. 2007; 89:1948-54.

Sah AP, Scott RD, Springer BD, Bono JV, Deshmukh RV, Thornhill TS. Custom-made angled inserts for tibial coronal malalignment in total knee arthroplasty. *J Arthroplasty*. 2009;24:288-96.

Sah AP, Estok DM. Dislocation rate of conversions from hip hemiarthroplasty to total hip arthroplasty- greater than first-time revision total hip replacement. *J Bone Joint Surg*. 2008;90:506-16.

Sah AP, Della Valle CD, Rosenberg, AG. Extensor Mechanism Allograft. Master Techniques in Orthopedic Surgery - Knee Arthroplasty. LWW.

Sah AP, Scott RD. Lateral unicompartmental knee arthroplasty via a medial approach- Surgical Technique. *J Bone Joint Surg*. 2008;90S:195-205.

Della Valle CJ, **Sah AP, Springer B.** Extensor mechanism allograft. Advanced Reconstruction Knee. AAOS. 2010

Sah AP, Jacobs JJ. Bearing Surfaces in Total knee arthroplasty. Advanced Reconstruction Knee. AAOS. 2010

Sah AP, Marshall A, Virkus WV, Estok DM, Della Valle CJ. Interprosthetic fractures of the femur- Treatment with a single-locked plate. *J Arthroplasty*. 2010;25:280-6.

Yacoubian S, **Sah AP, Estok DM.** Incidence of sciatic nerve palsy after revision total hip arthroplasty through a posterior approach. *J Arthroplasty*. 2010;25:31-4.

Barrington JW, **Sah AP, Malchau H, Burke D.** Contemporary cruciate-retaining total knee arthroplasty with a pegged tibial baseplate. Results at a minimum of ten years. *J Bone Joint Surg*. 2009;91:874-8.

Sah AP, Scott RD. How to balance the PCL in cruciate-retaining total knee arthroplasty. *Techniques in Knee Surgery*. 2010;9:43-7.

Sah AP, Della Valle CJ. Extensor mechanism allograft after extensor mechanism disruption in TKA. *Seminars in Arthroplasty*. 2010;21:134-8.

Alexander Sah, Della Valle C, Rosenberg AG, Paprosky W. Hybrid fixation Revision Knee Arthroplasty. *Clin Orthop Rel Res*, 2011;469:839-46.

Sah AP, Della Valle CJ, Rosenberg AG. Extensor mechanism allograft. The Knee Joint- Surgical Techniques and Strategies. Springer. 2012

Sah Alexander. Knee Implants Designed for Women May Not Improve Outcomes. *Amer J Orthop*, 2013;42(5):204.

Sah Alexander. No Advantage in objective outcomes seen with gender-specific femoral component. *OrthopedicsToday*, June 2013.

Riff AJ, **Sah AP**, Della Valle C. Outcomes and Complications of Unicondylar Arthroplasty. *Clinics Sports Medicine*, 2014;33(1):149-60.

Sah Alexander. Hyponatremia after Primary Hip and Knee Arthroplasty- Incidence and Associated Risk Factors. *Amer J Orthop*, 2014, 43(4):E69-73.

Riff AJ, **Sah AP**, Della Valle C. Outcomes and Complications of Unicondylar Arthroplasty. Unicompartmental Knee Arthroplasty: The Modern Frontier, 2014.

Sah Alexander, COA members. Orthopedic Knowledge Update 11 Study Flashcards. 2015

Sah Alexander. Is there an Advantage to Knotless Barbed Suture in TKA Wound Closure? A Randomized Trial in Simultaneous Bilateral TKAs. *Clin Orthop Rel Res*, 2015, 473(6):2019-27.

Sah Alexander, Bollinger A. The role of multimodal analgesia in Orthopedic surgery. 2015

Sah Alexander, COA committee. Action Plan for Bundled Payments, California Orthopedic Association White Paper. 2015

Sah Alexander. An unusual failure of TKA- surgical considerations and pain management in the revision setting. *OrthoCases.com Case of the Month*, December 2015

Sah Alexander. Tibial Component Loosening and Bone Loss in a Patient with Chronic Pain. *OrthoCases.com Case of the Month*, March 2016

Sah Alexander. Multimodal Pain Management in Knee Revision Surgery. *Anesthesiology News/General Surgery News*, June 2016

Sah Alexander. Failure of a metal-on-metal hip replacement: An unusual and severe case of corrosion. *OrthoCases.com Case of the Month*, July 2016

Sah Alexander. Intraprosthetic Dislocation of a Dual Mobility Bearing After Hip Dislocation. *OrthoCases.com Case of the Month*, September 2016

Goodman S, ... **Sah Alexander**, Yates A. 2016 American College of Rheumatology / American Association of Hip and Knee Surgeons Guideline for the Perioperative Management of Anti-rheumatic Medication in Patients with Rheumatic Diseases Undergoing Elective Total Hip or Total Knee Arthroplasty, *Arthritis Care & Research*, 2017, 69(8): 1111-24.

Sah Alexander, writing panel, Appropriate Use Criteria for the Management of Osteoarthritis of the Hip, AAOS, December 2017

Sah Alexander, Warren L. Liposomal Bupivacaine: Market Penetration vs Scientific Evidence: Only the Facts. *Techinques in Orthopaedics*, 2017, 32(4):248-56.

Sah Alexander, COA committee. Expanding Services in an ASC through the Addition of a Recovery Care Center, California Orthopedic Association White Paper. 2017

Goodman S, ... **Sah Alexander**, Yates A. 2016 American College of Rheumatology / American Association of Hip and Knee Surgeons Guideline for the Perioperative Management of Anti-rheumatic Medication in Patients with Rheumatic Diseases Undergoing Elective Total Hip or Total Knee Arthroplasty, *Arthritis & Rheumatology*, 2017, 69(8): 1538-51.

Sah Alexander, Liang K, Sclafani J. Optimal Multimodal Analgesia Protocols for Total Joint Arthroplasty: A Critical Review. *JBJS Reviews*, June 2018

Goodman S, ... **Sah Alexander**, Yates A. 2016 American College of Rheumatology / American Association of Hip and Knee Surgeons Guideline for the Perioperative Management of Anti-rheumatic Medication in Patients with Rheumatic Diseases Undergoing Elective Total Hip or Total Knee Arthroplasty, *Journal of Arthroplasty*, 2017, 32(9): 2628-38.

American Academy of Orthopaedic Surgeons. Appropriate Use Criteria for the Management of Osteoarthritis of the Hip. www.aaos.org/oahipauc. Published December 8, 2017.

Fillingham Y, Della Valle, C...**Alexander Sah**, "The Safety of Tranexamic Acid in Total Joint Arthroplasty: A Direct Meta-Analysis". *Journal of Arthroplasty*, 2018

Steinmann J, **Sah Alexander**, Carlson, A, Besh B. Recovery Care Centers Expand the Benefits of Ambulatory Surgery Centers. *AAOS Now*, 2018.

Alexander Sah, "Shortage of Nursing Professionals- Position Statement". *AAOS #1158*, 2018

Fillingham Y, Della Valle, C...**Alexander Sah**, "The Efficacy of Tranexamic Acid in Total Knee Arthroplasty: A Network Meta-Analysis". *Journal of Arthroplasty*, 2018

Sah, Alexander. The Economic Impact of Incision Management and Risk Stratification in Orthopedic Patients. *Chronicles of Incision Management*, 2018

Fillingham Y, Della Valle, C...**Alexander Sah**, "The Efficacy of Tranexamic Acid in Total Hip Arthroplasty: A Network Meta-Analysis". *Journal of Arthroplasty*, 2018

Fillingham Y, Della Valle, C...**Alexander Sah**, "Tranexamic Acid in Total Joint Arthroplasty: The Endorsed Clinical Practice Guides of the American Association of Hip and Knee Surgeons, American Society of Regional Anesthesia and Pain Medicine, American Academy of Orthopaedic Surgeons, Hip Society, and Knee Society". *Journal of Arthroplasty*, 2018

Sah, Alexander. Anterior hip replacement and opioid-free pain management, a case report. *Pacira Publications*, 2018

Alexander Sah, "Considerations for Office and Staff Protocols for Outpatient Joint Replacement". *Journal of Arthroplasty*, 2019

Alexander Sah, S. Parratte, "First Clinical 1-Year Outcomes of Partial Knee Arthroplasty with the Persona® Partial Knee", white paper, 2019

Sah, Alexander, Decook C, Della Valle C, Meneghini M. Outpatient Joint Replacement: Practical guidelines for your program based on evidence, success, and failures. Instructional Course Lectures 69, 2019

Posters/Presentations

Alexander Sah, D.M. Allman, R.R. Hardy, and M.P. Cancro, "Reduced Numbers of Pre-B Cells in Aged Mice Reflect Increased Cell Death Rates Among Late Pro-B Cells"

- Poster at The 37th Midwinter Conference of Immunologists- *The Biology of B Cells: From Molecules to Populations*, 1998, Asilomar Conference Center, Pacific Grove, CA
- Poster at *Experimental Biology 1998*, Moscone Convention Center, San Francisco, CA

J. Glowacki, **A.P. Sah**, T.S. Thornhill, M.S. LeBoff, "Correlation of Plain Radiographic Indices of the Hip with Bone Mineral Density"

- Poster at 27th Annual American Society for Bone and Mineral Research, 2005, Washington, DC

Alexander Sah, "Relationship of Bone Density at the Femoral Neck with Radiographic Parameters of the Hip"

- **Presentation** at OREF New England Resident Research Symposium, 2005, Boston University School of Medicine
- Poster at *Brigham & Women's Hospital Research Fellows' Poster Exhibition 2005*

Alexander Sah, Bryan Springer, Richard Scott, "Unicompartmental Knee Arthroplasty in the Octogenarian"

- Poster at AAOS Annual Meeting, Chicago, 2006

J. Glowacki, **A. Sah**, TS Thornhill, "Relationships between Bone Mineral Density and Radiographic Indices at the Hip"

- Poster at 11th Annual New England Bone Club Meeting, Maine, 2005

Alexander Sah, Dennis Burke, "Pelvic Osteolysis and Uncemented Acetabular Components"

- Poster at the *Second Annual Joint Arthroplasty Young Investigator's Conference*, Chicago, IL, 2006

Alexander Sah, Bryan Springer, Richard Scott, "Survival of the Prosthesis beyond the Patient- UKA in Octogenarians"

- **Presentation** at OREF New England Resident Research Symposium, 2006, Mass General Hospital

John Barrington, **Alexander Sah**, Andrew Freiberg, Dennis Burke, "10- to 13- year survival of Nexgen TKA"

- **Presentation** by Dr. Barrington at *Harvard Advances in Arthroplasty*, Cambridge, MA, 2006

Allen McDonald, **Alexander Sah**, Henrik Malchau, "10 year survival of Trilogy Acetabulum"

- **Presentation** by Dr. McDonald at *Harvard Advances in Arthroplasty*, Cambridge, MA, 2006

Alexander Sah, Richard Scott, "Lateral UKA through a medial approach"

- **Presentation** at AAOS Annual Meeting, San Diego, 2007

Alexander Sah, Richard Scott, Thomas Thornhill "Custom Angled Inserts for Coronal Malalignment in TKA"

- Poster at AAOS Annual Meeting, San Diego, 2007

John Barrington, **Alexander Sah**, Andrew Freiberg, Dennis Burke, "10- to 13- year survival of Nexgen TKA"

- *Presentation by Dr. Barrington at AAOS Annual Meeting, San Diego, 2007*

Allen McDonald, **Alexander Sah**, Henrik Malchau "10 year survival of Trilogy Acetabulum"

- *Poster at AAOS Annual Meeting, San Diego, 2007*

Alexander Sah, Richard Iorio, Richard Scott, "Angled polyethylene insert exchange for sagittal tibial malalignment in total knee arthroplasty"

- *Poster at the Third Annual Joint Arthroplasty Young Investigator's Conference, San Diego, CA, 2007*

Alexander Sah, Daniel Estok II, "Dislocation Rate after Conversion from Hemiarthroplasty to Total Hip Arthroplasty- Greater than First-Time Revision Hip Replacements"

- *Presentation at OREF New England Resident Research Symposium, 2007, Mass General Hospital*

Amanda Marshall, **Alexander Sah**, Daniel Estok, Craig Della Valle, "Interprosthetic Femur Fractures- Treatment with Locked Plating"

- *Poster at AAOS Annual Meeting, San Francisco, 2008*

Sebastien Parrette, **Alexander Sah**, Richard Scott, Jean-Noel Argenson, "Unicompartmental knee arthroplasty for Spontaneous Osteonecrosis- a Multicentric Study"

- *Presentation by Dr. Parrette at AAOS Annual Meeting, San Francisco, 2008*

Amanda Marshall, **Alexander Sah**, Daniel Estok, Craig Della Valle, "Interprosthetic Femur Fractures"

- *Poster at Mid-America Orthopedic Assoc., Orlando, 2008*

Alexander Sah, Della Valle C, Rosenberg AG, Paprosky W, "Hybrid fixation Revision Knee Arthroplasty"

- *Poster at AAOS Annual Meeting, Las Vegas, 2009*

Alexander Sah, Della Valle C, Rosenberg AG, Paprosky W, "Hybrid fixation Revision Knee Arthroplasty"

- *Presentation at Mid-America Orthopedic Association, 2009, Amelia Island, FL*

Alexander Sah, Dearborn J, "Minimally invasive total hip replacement: state-of-the-art."

- *Presentation at Washington Hospital Community Education Series, 2010, Fremont, CA*

Alexander Sah, Dearborn J, "Bilateral Simultaneous versus Unilateral TKA within a Comprehensive Perioperative Joint Program"

- *Poster at AAOS Annual Meeting, New Orleans, 2010*
-*Awarded highest rated poster presentation in Knee Category*

Alexander Sah, Dearborn J, "Efficacy of a non-selective multimodal thromboembolic prophylactic protocol"

- *Poster at AAOS Annual Meeting, New Orleans, 2010*

Alexander Sah, "Hyponatremia Following Hip and Knee Replacement Surgery- Incidence and Associated Risk Factors"

- *Poster at AAOS Annual Meeting, San Diego, 2011*

Alexander Sah, “Unicompartmental Knee Arthroplasty”

- *Presentation at California Orthopedic Association Meeting, Laguna Niguel, 2011*

Alexander Sah, “Hyponatremia Following Hip and Knee Replacement Surgery- Incidence and Associated Risk Factors”

- *Poster at Western Orthopedic Association Meeting, Waikiki, 2011*

Alexander Sah, Dearborn J, “Implant size differences and outcome similarities between knees in patients undergoing simultaneous bilateral TKA”

- *Poster at Western Orthopedic Association Meeting, Waikiki, 2011*

Alexander Sah, Dearborn J, “Results of modern hybrid primary total hip arthroplasty in a comprehensive joint replacement program”

- *Presentation at Western Orthopedic Association Meeting, Waikiki, 2011*

Alexander Sah, Dearborn J, “Cemented versus cementless femoral fixation in primary THA in patients aged 75 and older”

- *Presentation at Western Orthopedic Association Meeting, Waikiki, 2011*

Alexander Sah, Dearborn J, “Treatment options for knee problems.”

- *Presentation at Washington Hospital Community Education Series, 2011, Fremont, CA*

Alexander Sah, Dearborn J, “Aquamantys Bipolar Sealer in Primary Total Knee Arthroplasty. Experience with 3172 Consecutive Knee Replacements”

- *Poster at AAOS Annual Meeting, San Francisco, 2012*

Alexander Sah, Dearborn J, “Implant Size Differences And Outcome Similarities Between Knees In Patients Undergoing Bilateral Simultaneous Knee Replacement”

- *Presentation at AAOS Annual Meeting, San Francisco, 2012*

Alexander Sah, “Prospective Evaluation of Primary Total Hip Arthroplasty with and without use of a Thrombin Hemostatic Matrix”

- *Presentation at BioSurgery Institute- Orthopedic Steering Committee, Chicago, 2012*

Alexander Sah, Dearborn J, “Implant Size and Outcome Differences Between Knees in Patients Undergoing Simultaneous Bilateral TKA”

- *Poster at Orthopedics Today Meeting, Hawaii, 2013*

Alexander Sah, Dearborn J, “Use of the Gender-Specific Femoral Component in Men- An experience in 328 Male Primary Total Knee Arthroplasties”

- *Presentation at Orthopedics Today Meeting, Hawaii, 2013*
-ICJR Recognition Award for podium presentations

Alexander Sah, “Prospective Evaluation of Primary Total Hip Arthroplasty with and without use of a Thrombin Hemostatic Matrix”

- *Poster at Orthopedics Today Meeting, Hawaii, 2013*

Alexander Sah, Dearborn J, “Use of the Aquamantys Bipolar Sealer in Primary TKA. An experience in 3172 consecutive procedures”

- *Presentation at Orthopedics Today Meeting, Hawaii, 2013*
-ICJR Recognition Award for podium presentations

Alexander Sah, "Prospective Comparison of Knotless Barbed Suture versus Standard Suture in Knees of Patients Undergoing Simultaneous Bilateral Replacement"

- Poster at *Orthopedics Today Meeting*, Hawaii, 2013

Alexander Sah, "Hyponatremia Following Hip and Knee Replacement- Incidence and Associated Risk Factors"

- **Presentation** at *Orthopedics Today Meeting*, Hawaii, 2013

Alexander Sah, "Recent Advances in Post-Operative Wound Management"

- **Presentation** at Symposium *Orthopedics Today Meeting*, Hawaii, 2013

Alexander Sah, Dearborn J, "Use of the Gender-Specific Femoral Component in Men- An experience in 328 Male Primary Total Knee Arthroplasties"

- Poster at *AAOS Annual Meeting*, Chicago, 2013

Alexander Sah, Dearborn J, "Primary Knee Arthroplasty Outcomes in Females Before and After Availability of the Gender-Specific Component"

- **Presentation** at *AAOS Annual Meeting*, Chicago, 2013
- **Selected to be featured in 2013 Annual Meeting media relations program**
- **Featured in AAOS Now publication**

Alexander Sah, "Use of Barbed Suture for Improved Wound Closure"

- **Presentation** at *Santa Clara Orthopedic Association Meeting*, Santa Clara, 2013

Alexander Sah, "Adjunctive Hemostasis in Total Joint Arthroplasty."

- **Presentation** at Symposium *Orthopedics Today Meeting*, Kona, 2013

Alexander Sah, Dearborn J, "Increased Effectiveness of a Bipolar Sealer in Primary Knee Replacement Patients with a Preoperative Hematocrit of 35 or less"

- Poster at *Orthopedics Today Meeting*, Hawaii, 2014

Alexander Sah, Dearborn J, "Implant Size and Patient Outcome Differences in Staged Bilateral Hip Replacements in over 400 patients"

- Poster at *Orthopedics Today Meeting*, Hawaii, 2014

Alexander Sah, Dearborn J, "Primary total hip arthroplasty with a cementless proximally porous coated tapered femoral component at 2-8 year follow-up"

- Poster at *Orthopedics Today Meeting*, Hawaii, 2014

Alexander Sah, "Medical School and Orthopedic Training, Current Concepts in Joint Replacement"

- **Presentation** at *American High School*, Fremont, 2014

Alexander Sah, Dearborn J, "Cemented versus Cementless Femoral Fixation in Primary Total Hip Arthroplasty in Patients Aged 75 and Older"

- Poster at *AAOS Annual Meeting*, New Orleans, 2014

Alexander Sah, "Prospective Comparison of Knotless Barbed vs Standard Suture in Simultaneous Bilateral Knee Replacement"

- Poster at *AAOS Annual Meeting*, New Orleans, 2014
- Alternate for podium presentation

Alexander Sah, "Use of Exparel, a long-acting bupivacaine, for improved pain control in total knee arthroplasty"

- *Presentation at Outpatient Arthroplasty Meeting, Kirkland, 2014*

Alexander Sah, "Advances in Wound Management"

- *Presentation at Symposium ICJR West Meeting, Napa, 2014*

Alexander Sah, "3rd Procedural Training on Topical Hemostasis in Total Joint Arthroplasty"

- *Presentation at International Webinar, 2014*

Alexander Sah, "Blood Management Strategies in Joint Replacement Surgery- Current Trends and Advancing Techniques"

- *Presentation at Blood Management Symposium, San Francisco, 2014*

Alexander Sah, "A Novel Periarticular Injection for Improved Pain Control after Joint Replacement"

- *Presentation at Symposium Western Orthopedic Association Meeting, Kona, 2014*

Alexander Sah, "Medical Training and Orthopedics, Current Concepts in Joint Replacement"

- *Presentation at Medical Explorers Meeting, Washington Hospital, Fremont, 2014*

Alexander Sah, "Patient Specific Knee Component Sizing- Use of the Gender-Specific Femoral Component in Men"

- *Presentation at Harvard 44th Annual Advances in Arthroplasty Course, Boston, 2014*

Alexander Sah, Dearborn J, "Cemented versus Cementless Femoral Fixation in Primary Total Hip Arthroplasty in Patients Aged 75 and Older"

- *Poster at AAHKS Annual Meeting, Dallas, 2014*

Alexander Sah, "23 Hour Joint Arthroplasty: Is it the New Paradigm- Management of Postsurgical Pain"

- *Presentation at Omni Symposium, AAHKS Annual Meeting, Dallas, 2014*

Alexander Sah, "Blood management in joint replacement- bipolar devices, fibrin sealants, tranexamic acid"

- *Presentation at 3rd Annual VuMedi- The Event, San Francisco, 2014*

Alexander Sah, "The use of knotless barbed sutures in wound closure"

- *Presentation at 3rd Annual VuMedi- The Event, San Francisco, 2014*

Alexander Sah, "Managing Pain in Total Joint Replacement with a Novel Long-Lasting Injectable"

- *Presentation at 3rd Annual VuMedi- The Event, San Francisco, 2014*

Alexander Sah, "Cemented total hip arthroplasty- indications and technique"

- *Presentation at 3rd Annual VuMedi- The Event, San Francisco, 2014*

Alexander Sah, "The effect of implementation of tranexamic acid use in a total joint arthroplasty program"

- *Poster at Orthopedics Today Meeting, Hawaii, 2015*

Alexander Sah, "Results of unicompartmental knee arthroplasty with an extramedullary technique"
• Poster at *Orthopedics Today Meeting*, Hawaii, 2015

Alexander Sah, "Early results of patellofemoral arthroplasty with a milling system"
• Poster at *Orthopedics Today Meeting*, Hawaii, 2015

Alexander Sah, "Surgical Draping Approaches to Reduce Infection- Pre, Peri, and Post Surgery"
• *Presentation* at *VuMedi Webinar- Latest Advancements in TJA Infection*, 2015

Alexander Sah, "Enhancements in Pain Management- For Reducing Length of Stay"
• *Presentation* and *Moderator* at *VuMedi Webinar- Reducing Recovery Time in Total Joint Arthroplasty*, 2015

Alexander Sah, "The Use of Multimodal Analgesia in Treating Acute Pain"
• *Presentation* at *HANA Annual Meeting- Oahu*, 2015

Alexander Sah, "Multimodal Pain Management for Acute Pain- A Focus on Patient Care"
• *Presentation* at *Symposium ICJR West Meeting, Napa*, 2015

Alexander Sah, "Novel Techniques for Managing Postoperative Pain for Procedures Performed in the Hospital and Ambulatory Setting."
• *Presentation* at *ICJR Webcast*, 2015

Alexander Sah, "The Use of Multimodal Analgesia in Treating Acute Pain: A Focus on Patient Care, Importance of Patient Experience of Care in the Hospital Setting."
• *Presentation* at *ICJR Webinar*, 2015

Alexander Sah, "Advancements in Pain, Blood, DVT, and Wound Management for reducing length of stay"
• *Presentation* and *Moderator* at *Same Day Surgery Symposium, AAHKS, Dallas*, 2015

Alexander Sah, "Fractures and Arthroplasty- Case Discussions"
• Panel at *4th Annual VuMedi- The Event*, San Francisco, 2015

Alexander Sah, "Direct Anterior THA Approaches- Anterior and Superior"
• Moderator at *4th Annual VuMedi- The Event*, San Francisco, 2015

Alexander Sah, "Cemented Hip Replacement- Indications and Technique"
• *Presentation* at *4th Annual VuMedi- The Event*, San Francisco, 2015

Alexander Sah, "ICD-10: Implications for Your Practice Efficiency"
• *Presentation* at *4th Annual VuMedi- The Event*, San Francisco, 2015

Alexander Sah, "The Little Things Matter to Patients!"
• Panel at *4th Annual VuMedi- The Event*, San Francisco, 2015

Alexander Sah, "Tranexamic Acid- Indications, Application, and Dosing"
• *Presentation* at *4th Annual VuMedi- The Event*, San Francisco, 2015

Alexander Sah, "Reducing Hospital Re-admissions"

- Panel at *4th Annual VuMedi- The Event*, San Francisco, 2015

Alexander Sah, "Economics of TJA, Rapid Recovery, Outpatient Joint Replacement"

- Panel at *4th Annual VuMedi- The Event*, San Francisco, 2015

Alexander Sah, "Why do Total Knee Arthroplasties Fail"

- Panel at *4th Annual VuMedi- The Event*, San Francisco, 2015

Alexander Sah, "Prospective, Randomized Evaluation of the Quality of Wound Closure with Barbed versus Standard Suture after Total Joint Arthroplasty"

- Poster at *AAOS Annual Meeting*, Orlando, 2016

Alexander Sah, John Dearborn "Prospective, Randomized Trial of Two Cement Types in Patients Undergoing Simultaneous Bilateral Knee Replacement"

- *Presentation* by Dr. Dearborn at *AAOS Annual Meeting*, Orlando, 2016

Alexander Sah, "Initial Experience with Next Day Discharge after Total Knee Arthroplasty"

- Poster at *AAOS Annual Meeting*, Orlando, 2016

Alexander Sah, "Optimizing Pain Management- to reduce the opioid burden"

- *Presentation* at *4th Annual Utah Hip and Knee Arthroplasty Symposium*, Deer Valley, 2016

Alexander Sah, "Partial Knee Replacement- advances in surgical techniques & same day discharge"

- *Presentation* at *PhysicalTherapy.com*, webinar, 2016

Alexander Sah, "Patient Selection- Choosing the Right Patient for Outpatient Surgery",

"Preoperative Education- Setting yourself up for Success",

"Pain Management- Protocols allowing Rapid Recovery and Early Mobilization",

"Post-discharge Care- Creating the Safety Net",

- *Presentations* at *Team Approach to Building an Outpatient Joint Program*, Chicago, IL, 2016

Alexander Sah, "Optimizing the Episode of Care under Bundled Payments"

- *Presentation* at *25th Annual California Orthopedic Association meeting*, Laguna Niguel, 2016

Alexander Sah, "Risk Mitigation of Infection in Total Joint Arthroplasties- Wound Management"

- *Presentation* at *25th Annual California Orthopedic Association meeting*, Laguna Niguel, 2016

Alexander Sah, "Evolution of Negative Pressure Wound Therapy with Prevena Incision Management System"

- *Presentation* at *25th Annual California Orthopedic Association meeting*, Laguna Niguel, 2016

Alexander Sah, "Long Lasting Periarticular Injection- Optimizing Technique"

- *Presentation* at *25th Annual California Orthopedic Association meeting*, Laguna Niguel, 2016

Alexander Sah, "Understanding the Comprehensive Care for Joint Replacement Model"

- *Presentation* at *25th Annual California Orthopedic Association meeting*, Laguna Niguel, 2016

Alexander Sah, "Rapid Recovery Joint Arthroplasty"

- *Presentation at 25th Annual California Orthopedic Association meeting, Laguna Niguel, 2016*

Alexander Sah, "The Road to Outpatient Joint Replacement"

- *Presentation at Contemporary Solutions in Joint Surgery, Newport Beach, 2016*

Alexander Sah, "Unicompartmental Knee Replacement- History and Evolving Indications"

- *Presentation at Contemporary Solutions in Joint Surgery, Newport Beach, 2016*

Alexander Sah, "Partial knee replacement- Tips and Technique"

- *Presentation at Contemporary Solutions in Joint Surgery, Newport Beach, 2016*

Alexander Sah, "Pain Management Strategies: Best Practices in Optimal Care"

- *Presentation at ICJR 3rd Annual Pan Pacific Orthopedic Congress, Kona, Hawaii, 2016*

Alexander Sah, "Knee Flexion at Time of Hospital Discharge as Indication of Ultimate Range of Motion after Total Knee Arthroplasty"

- *Presentation at ICJR 3rd Annual Pan Pacific Orthopedic Congress, Kona, Hawaii, 2016*

Alexander Sah, "Knee Kinematics and Function"

- *Moderator at ICJR 3rd Annual Pan Pacific Orthopedic Congress, Kona, Hawaii, 2016*

Alexander Sah, "Initial Experience with Next Day Discharge after Total Knee Arthroplasty"

- *Presentation at ICJR 3rd Annual Pan Pacific Orthopedic Congress, Kona, Hawaii, 2016*

Alexander Sah, "My top 5 Moves in Primary Total Knee Arthroplasty"

- *Presentation at ICJR 3rd Annual Pan Pacific Orthopedic Congress, Kona, Hawaii, 2016*

Alexander Sah, "Expert Panel- Perioperative Issues"

- *Panel at ICJR 3rd Annual Pan Pacific Orthopedic Congress, Kona, Hawaii, 2016*

Alexander Sah, "Immediate Impact of Tranexamic Acid in Blood Conservation in Primary Total Joint Replacement"

- *Presentation at ICJR 3rd Annual Pan Pacific Orthopedic Congress, Kona, Hawaii, 2016*

Alexander Sah, "Patellofemoral Arthroplasty with a Milling System Technique- Early results, minimum 2 year followup"

- *Presentation at ICJR 3rd Annual Pan Pacific Orthopedic Congress, Kona, Hawaii, 2016*

Alexander Sah, "Extramedullary Technique for Unicompartmental Knee Arthroplasty- Early results, minimum 2 year followup"

- *Presentation at ICJR 3rd Annual Pan Pacific Orthopedic Congress, Kona, Hawaii, 2016*

Alexander Sah, "Overcoming Challenges Faced by Programs Transitioning into CCJR"

- *Presentation at Optimizing the Episode- Improving Total Joint Outcomes and Cost, Dallas, 2016*

Alexander Sah, "Initial Experience with Next Day Discharge after Total Knee Arthroplasty"

- *Poster at Western Orthopedic Association Annual Meeting, Indian Wells, 2016*

Alexander Sah, "Knee Flexion at Time of Hospital Discharge as Indication of Ultimate Range of Motion after Total Knee Arthroplasty"

- **Presentation** at *Western Orthopedic Association Annual Meeting*, Indian Wells, 2016

Alexander Sah, "Prospective, Randomized Evaluation of the Quality of Wound Closure with Barbed versus Standard Suture after TJA"

- **Presentation** at *Western Orthopedic Association Annual Meeting*, Indian Wells, 2016

Alexander Sah, "Historical Evolution of Partial Knee Replacements"

- **Presentation** at *West Regional Recon Hip and Knee Meeting*, San Francisco, 2016

Alexander Sah, "Pain Management in Total Hip Arthroplasty"

- **Presentation** at *West Regional Recon Hip and Knee Meeting*, San Francisco, 2016

Alexander Sah, "Multimodal Pain Management in Total Joint Replacement- Experience with an Opioid-Sparing Approach"

- **Presentation** at *Opioid Reducing Multimodal Pain Strategy Consultant Meeting*, Los Angeles, 2016

Alexander Sah, "Outpatient Joint Arthroplasty- Postop considerations and preventing readmissions"

- **Presentation** at *Road to Outpatient Joint Replacement Symposium, AAHKS*, Dallas, 2016

Alexander Sah, "Pain Management in Outpatient Total Joints"

- **Presentation** at *Road to Outpatient Joint Replacement Symposium, AAHKS*, Dallas, 2016

Alexander Sah, "Multimodal Pain Management for Total Hip and Knee Arthroplasty Patients: Current Concepts and Controversies 2016"

- **Presentation** at *Symposium, AAHKS*, Dallas, 2016

Alexander Sah, "Surgeon Leadership in the Bundled Payment Environment"

- **Presentation** and **Moderator** at *Optimizing the Episodes: Improving Total Joint Outcomes and Cost in the Era of CJR Symposium, AAHKS*, Dallas, 2016

Alexander Sah, "Evaluating Your Own Practice in a Bundled Care Environment"

- **Presentation** and **Moderator** at *Optimizing the Episodes: Improving Total Joint Outcomes and Cost in the Era of CJR Symposium, AAHKS*, Dallas, 2016

Alexander Sah, "Managing the Episode of Care: Less Pain Means more Gain"

- **Presentation** at *Symposium, AAHKS*, Dallas, 2016

Alexander Sah, "Initial experience with nonselective patient next day discharge after total knee arthroplasty"

- **Poster** at *AAHKS Annual Meeting*, Dallas, 2016

Alexander Sah, Dearborn J, "To Cement or not to Cement? Modern Hybrid Total Hip Replacement - Low risks and excellent results with cemented femoral fixation"

- **Poster** at *AAHKS Annual Meeting*, Dallas, 2016

Alexander Sah, "Prospective, randomized evaluation of the quality of wound closure with barbed versus standard suture after TJA"

- **Poster** at *AAHKS Annual Meeting*, Dallas, 2016

Alexander Sah, Dearborn J, "First report of early results of a commonly used cementless single tapered femoral component in primary total hip arthroplasty"

- Poster at *AAHKS Annual Meeting*, Dallas, 2016

Alexander Sah, "Knee flexion at time of hospital discharge best indicates ultimate range of motion after total knee arthroplasty"

- Poster at *AAHKS Annual Meeting*, Dallas, 2016

Alexander Sah, "Introducing a novel incision management system and its impact on joint reconstruction"

- Webinar, VuMedi, January 2017

Alexander Sah, "Blood and Pain Management in Modern Joint Replacement"

- **Presentation** at *Contemporary Solutions in Joint Surgery*, Salt Lake City, 2017

Alexander Sah, "The Evolution of Unis- from outcast to outpatient"

- **Presentation** at *Contemporary Solutions in Joint Surgery*, Salt Lake City, 2017

Alexander Sah, "Evolution of Partial knee replacement"

- **Presentation** at *Zimmer Biomet Sales Meeting*, Indianapolis, 2017

Alexander Sah, "Optimizing Pain Management for Outpatient Joint Replacement"

- **Presentation** at *CA Orthopedic Assoc Annual Meeting*, Carlsbad, 2017

Alexander Sah, "Optimizing Wound Management to Minimize Infection Risk"

- **Presentation** at *CA Orthopedic Assoc Annual Meeting*, Carlsbad, 2017

Alexander Sah, "Same Day Surgery- Top 5 Tips for Outpatient Joint Replacement"

- **Presentation** at *CA Orthopedic Assoc Annual Meeting*, Carlsbad, 2017

Alexander Sah, "Using Technology to Improve Patient Perioperative Care"

- **Presentation** at *CA Orthopedic Assoc Annual Meeting*, Carlsbad, 2017

Alexander Sah, "My Decision to Start Anterior Hip Replacement"

- **Presentation** at *Anterior Hip Foundation Annual Meeting*, Las Vegas, 2017

Fillingham Y, Della Valle, C...**Alexander Sah**, "Tranexamic Acid in Total Joint Arthroplasty: Safe and Effective For All Patients?"

- **Presentation** by Dr. Fillingham at *AAHKS Annual Meeting*, Dallas, 2017

Von Forrell GA, Gitts N, **Alexander Sah**, ... "Broach Handle Designs Influence the Mechanics of Femoral Broach Extraction"

- Poster at *AOAO Annual Meeting*, Chicago, 2017

Alexander Sah, "Persona Partial Knee Overview & Surgical Technique"

- **Presentation** at *VuMedi Webinar- Next Era of Personalization in Partial Knee Replacement*, 2017

Alexander Sah, "Establishing the Optimal Post-Acute Network: Creating a Safety Net"

- **Presentation** at *Optimizing the Episode Symposium, AAHKS*, Dallas, 2017

Alexander Sah, "Tackling the Outpatient Total Knee Replacement- Challenges and Obstacles"

- **Presentation** at Same-Day Surgery: Transitioning to Outpatient Total Joints Symposium, AAHKS, Dallas, 2017

Alexander Sah, "Moving to the Outpatient Setting: Opioid-sparing multimodal protocols in total joint arthroplasty"

- **Presentation** at Moving Toward Opioid Free Surgery Symposium, AAHKS, Dallas, 2017

Alexander Sah, "Can an opioid sparing multimodal pain management protocol enable movement of TJA to the ASC?"

- **Presentation** at Moving Toward Opioid Free Surgery Symposium, *Orthopedic Summit Evolving Techniques*, Las Vegas, 2017

Alexander Sah, "Intraoperative management of Outpatient Joint Replacement"

- **Presentation** at *Interdisciplinary Conference on Orthopedic Value-Based Care*, Newport Beach, 2018

Alexander Sah, "Moving to the Outpatient Setting- Protocol optimization for same-day joint replacement"

- **Presentation** at *Interdisciplinary Conference on Orthopedic Value-Based Care*, Newport Beach, 2018

Alexander Sah, "Outpatient Joint Replacement: Practical guidelines for your program based on evidence, success, and failures"

- **Moderator** of Instructional Course Lecture at *AAOS Annual Meeting*, New Orleans, 2018

Fillingham Y, Della Valle, C...**Alexander Sah**, The Consensus Statement of American Association of Hip and Knee Surgeons, American Academy of Orthopaedic Surgeons, Hip Society, Knee Society, and American Society of Regional Anesthesia on Tranexamic Acid in Total Joint Arthroplasty

- **Presentation** by Dr. Fillingham at *AAOS Annual Meeting*, New Orleans, 2018

Alexander Sah, "Knee flexion at time of hospital discharge best indicates ultimate range of motion after total knee arthroplasty"

- **Poster** at *AAOS Annual Meeting*, New Orleans, 2018

Alexander Sah, "Blood Management for Same day Surgery- Transitioning to Outpatient Total Joints"

- **Presentation** at *Same Day Surgery Symposium*, New Orleans, 2018

Fillingham Y, Della Valle, C...**Alexander Sah**, "Tranexamic Acid in Total Joint Arthroplasty: The Clinical Practice Guides of the American Association of Hip and Knee Surgeons, American Academy of Orthopaedic Surgeons, American Society of Regional Anesthesia and Pain Medicine, Hip Society, and Knee Society"

- **Scientific Exhibit** at *AAOS Annual Meeting*, New Orleans, 2018

Alexander Sah, Dearborn J, "To Cement or not to Cement? Modern Hybrid Total Hip Replacement - Low risks and excellent results with cemented femoral fixation. "

- **Presentation** at *AAOS Annual Meeting*, New Orleans, 2018

Alexander Sah, "Tackling Outpatient Total Joints- Challenges and Obstacles"

- **Presentation** at *Pain Management Challenges in Orthopedic Patients Symposium*, New Orleans, 2018

Alexander Sah, "Multimodal pain management in total knee replacement"

- **Presentation** at *Moving Toward Opioid Free Surgery Symposium*, New Orleans, 2018

Alexander Sah, "Lessons learned in the early experience with anterior hip replacement"

- **Presentation** at *Anterior Hip Foundation*, Las Vegas, 2018

Alexander Sah, "Moving Total Joint Replacements to the Outpatient Setting "

- **Presentation** at *COA Annual Meeting*, SF, 2018

Alexander Sah, "Localized Treatment for OA Knee Pain with a Novel Intra-articular Formulation "

- **Presentation** at *COA Annual Meeting*, SF, 2018

Alexander Sah, "Moving toward Opioid-Free surgery: latest data, techniques, and trends "

- **Presentation** at *COA Annual Meeting*, SF, 2018

Alexander Sah, "What's New in Joint Replacement"

- **Moderator** of Arthroplasty Section at *COA Annual Meeting*, SF, 2018

Alexander Sah, "Pain Management in Revision Hip Replacement- Acetabular revision "

- **Presentation** at *Advisory Board on Hip Surgery*, Atlanta, 2018

Alexander Sah, "Total hip arthroplasty- director anterior approach"

- **Presentation** at *Advisory Board on Hip Surgery*, Atlanta, 2018

Alexander Sah, "Updates in Knee Replacement- advances in surgical techniques & outpatient surgery"

- **Presentation** at *PhysicalTherapy.com*, webinar, 2018

Alexander Sah, "First report of early results of a commonly used cementless single tapered femoral component in primary total hip arthroplasty "

- **Presentation** at *Western Orthopedic Association Annual Meeting*, CO, 2018

Alexander Sah, "To Cement or not to Cement? Modern Hybrid Total Hip Replacement - Low risks and excellent results with cemented femoral fixation."

- **Presentation** at *Western Orthopedic Association Annual Meeting*, CO, 2018

Alexander Sah, "Opioid minimizing multi-modal pain management: latest data, techniques, and trends "

- **Presentation** at *Western Orthopedic Association Annual Meeting*, CO, 2018

Alexander Sah, "Immediate impact of tranexamic acid in blood conservation in primary total joint replacement"

- **Presentation** at *Western Orthopedic Association Annual Meeting*, CO, 2018

Alexander Sah, "Outcomes of a Unique Milling System Technique for Patellofemoral Arthroplasty "

- **Presentation** at *Western Orthopedic Association Annual Meeting*, CO, 2018

Alexander Sah, "Risk Mitigation of Infection in Total Joint Arthroplasties- Optimizing Wound Management to minimize infection risk"

- *Presentation* at WOA Annual Meeting, CO, 2018

Alexander Sah, "Updates in Hip Replacement- Surgical approaches and Controversies"

- *Presentation* at PhysicalTherapy.com, webinar, 2018

Alexander Sah, "Anterior Approach Hip Replacement- Progressive Techniques and Technologies"

- *Presentation* at Medtronic National Webinar, 2018

Alexander Sah, "Evolution of Partial knee replacement"

- *Presentation* at Zimmer Bioskills PPK Course, Chicago, 2018

Alexander Sah, "Localized Treatment for Knee Osteoarthritis with a Novel Intra-articular Injection"

- *Presentation* at Western Academy of Physician Assistants Annual Meeting, Bellevue WA, 2018

Alexander Sah, "Outpatient Total Joint Replacement- Patient Selection and Considerations"

- *Presentation* for Transitioning to Outpatient Joints Symposium at AAHKS Annual Meeting, Dallas, 2018

Alexander Sah, "Is there risk to using the thinnest liner in primary TKA? Evaluation of knee range of motion, outcomes, and manipulation rates with the thinnest available liner"

- Poster at AAHKS Annual Meeting, Dallas, 2018

Alexander Sah, "Outpatient Joint Replacement- Considerations for Office and Staff Protocols"

- *Presentation* for Symposium at AAHKS Annual Meeting, Dallas, 2018

Alexander Sah, "Is there risk to using the thinnest liner in primary TKA? Evaluation of knee range of motion, outcomes, and manipulation rates with the thinnest available liner"

- Poster at OrthopedicsToday Annual Meeting, HI, 2019

Alexander Sah, "Minimum one-year follow-up of a recently released fixed bearing partial knee replacement system- Result of a prospective multi-center worldwide controlled study by a group of non-developing surgeons"

- Poster at OrthopedicsToday Annual Meeting, HI, 2019

Alexander Sah, "Understanding the Learning Curve- Comparison of the first 75 Direct Anterior THAs to concomitant established Mini-posterior THAs"

- Poster at OrthopedicsToday Annual Meeting, HI, 2019

Alexander Sah, "How much knee motion do I need? Assessment of knee range of motion during daily activities as assessed by a novel gait tracking wearable device"

- Poster at OrthopedicsToday Annual Meeting, HI, 2019

P Lachiewicz, G Lee, J Parvizi, **Alexander Sah**, "HTX-011 Reduces Pain and Opioid Use in Patients Undergoing Total Knee Arthroplasty (TKA)"

- Poster at OrthopedicsToday Annual Meeting, HI, 2019

Alexander Sah, “Extramedullary spacer block technique for unicompartmental knee arthroplasty- results of 300 consecutive patients”

- Poster at *AAOS Annual Meeting*, Las Vegas, 2019

Alexander Sah, “Outpatient Joint Replacement: Practical guidelines for your program based on evidence, success, and failures”

- **Moderator** of Instructional Course Lecture at *AAOS Annual Meeting*, Las Vegas, 2019

Alexander Sah, “How much knee motion do I need? Assessment of knee range of motion during daily activities as assessed by a novel gait tracking wearable device”

- Poster at *AAOS Annual Meeting*, Las Vegas, 2019

Alexander Sah, “Even in the same patient, not all hips are the same- Implant size and outcome differences in staged Bilateral Hip Replacements in 300 patients”

- Poster at *AAOS Annual Meeting*, Las Vegas, 2019

Alexander Sah, “Making the Transition to Tourniquet Free Total Knee Arthroplasty”

- **Presentation** at *Medtronic National Webinar*, 2019

Alexander Sah, “Understanding the Learning Curve- Comparison of the first 100 Direct Anterior THAs to concomitant established Mini-posterior THAs”

- **Presentation** at *Anterior Hip Foundation Annual Meeting*, Las Vegas, 2019

Alexander Sah, “Optimal pain management with periarticular injections in anterior hip replacement”

- **Presentation** at *Anterior Hip Foundation Annual Meeting*, Las Vegas, 2019

Alexander Sah, “Cemented femoral fixation and Anterior Hip Replacement”

- **Presentation** at *Anterior Hip Foundation Annual Meeting*, Las Vegas, 2019

Alexander Sah, “Anterior hip replacement and Exparel periarticular injection”

- **Presentation** at *J&J DePuy Sales Meeting*, Nashville, 2019

Alexander Sah, “The Hospital Stay- What to expect after Joint Replacement”

- **Presentation** at *BoneSmart Webinar*, 3rd Annual Joint Replacement Awareness Day, 2019

Alexander Sah, “Managing pain in the hospital after Joint Replacement- update on latest techniques”

- **Presentation** at *BoneSmart Webinar*, 3rd Annual Joint Replacement Awareness Day, 2019

Alexander Sah, “Why Revisions Matter”

- **Presentation** at *Palacademy Education Event for Perioperative Leaders*, Las Vegas, 2019

Alexander Sah, “Aseptic Loosening of Joint Replacements”

- **Presentation** at *Palacademy Education Event for Perioperative Leaders*, Las Vegas, 2019

Alexander Sah, “Understanding the Learning Curve - Comparison of First 75 Direct Anterior THAs to Concomitant Established Mini-Posterior THAs”

- **Presentation** at *WOA Annual Meeting*, Monterey, 2019

Alexander Sah, “Implant Size and Outcome Differences in Staged Bilateral THA in 300 Patients”

- **Presentation** at WOA Annual Meeting, Monterey, 2019

Alexander Sah, “Is there Risk to Using the Thinnest Liner in Primary TKA? Evaluation of Knee Range of Motion, Outcomes, and Manipulation Rates with the Thinnest Available Liner”

- **Presentation** at WOA Annual Meeting, Monterey, 2019

Alexander Sah, “Is there risk to using the thinnest liner in primary TKA? Evaluation of knee range of motion, outcomes, and manipulation rates with the thinnest available liner”

- Poster at 12th Biennial ISAKOS Congress, Mexico, 2019

Alexander Sah, “Extramedullary spacer block technique for unicompartmental knee arthroplasty- results of 300 consecutive patients”

- Poster at 12th Biennial ISAKOS Congress, Mexico, 2019

Alexander Sah, “How much knee motion do I need? Evaluation of knee range of motion during daily activities as assessed by a novel gait tracking wearable device”

- Poster at 12th Biennial ISAKOS Congress, Mexico, 2019

Faculty Speaker

- *California Orthopedic Association Annual Meeting, Laguna Niguel, 2011*
- *Biosurgery Institute Steering Committee meeting on Blood Conservation, Chicago, 2012*
- *Symposium at Orthopedics Today Meeting, Hawaii, 2013*
- *American High School Honors Science Class, Fremont, 2012-2015*
- *Adjunctive Hemostasis in Total Joint Arthroplasty, Orthopedics Today Meeting, Kona, 2013*
- *Outpatient Joint Replacement: Changing The Landscape Of Joint Replacement, Kirkland, 2014*
- *ICJR West Meeting Symposium, Napa, 2014*
- *Western Orthopedic Association Symposium, Kona, 2014*
- *AAOS, Annual Meeting, Faculty ICL 334 Complex Primary THA, 2014*
- *International Webinar on Topical Hemostasis in Total Joint Arthroplasty, 2014*
- *Harvard 44th Annual Advances in Arthroplasty Course, Boston, 2014*
- *Omni Symposium 23 Hour Total Joint Arthroplasty: Is It The New Paradigm? Dallas, 2014*
- *VuMedi, The Event, 3rd Annual Meeting SF, 2014*
- *ICJR West Meeting Symposium, Napa, 2015*
- *Same Day Surgery- Road to Outpatient Joint Replacement Symposium, Dallas, 2015 (moderator/speaker)*
- *VuMedi, The Event, 4th Annual Meeting SF, 2015 (program co-director)*
- *Real World of Multimodal Pain Management, AAOS Orlando 2016*
- *4th Annual Utah Hip and Knee Arthroplasty Symposium 2016*
- *Outpatient Joint Solutions, Accelerio, Chicago, IL, 2016*
- *California Orthopedic Association Annual Meeting, Laguna Niguel, 2016*
- *Contemporary Solutions in Joint Surgery, Newport Beach, 2016*
- *3rd Annual ICJR Pan Pacific Orthopedic Congress, Hawaii, 2016*
- *Center of Leadership, 2016-present*
- *West Regional Hip and Knee Reconstruction Meeting, SF, 2016*
- *Opioid Reducing Multimodal Pain Strategy Consultant Meeting, Los Angeles, 2016 (moderator/speaker)*
- *Multimodal Pain Management for Total Hip and Knee Arthroplasty Patients: Current Concepts and Controversies 2016 Symposium, Dallas, 2016*
- *Same Day Surgery- Road to Outpatient Joint Replacement Symposium, Dallas, 2016*
- *Optimizing the Episodes: Improving Total Joint Outcomes and Cost in the Era of CJR Symposium, Dallas, 2016 (moderator/speaker)*
- *Contemporary Solutions for Joint Surgery, Salt Lake City, Utah, 2017*
- *Zimmer Americas Sales Meeting, Indianapolis, 2017*
- *California Orthopedic Association Annual Meeting, San Diego, 2017 (program co-chair)*
- *Anterior Hip Foundation Meeting, Las Vegas 2017*
- *Zimmer, Persona Total and Partial Knee Surgeon Education, Walnut Creek, 2017*
- *Zimmer, Persona Total Knee Bioskills Training Event, SF 2017*
- *Zimmer Persona Partial Knee Surgical Training Course, Las Vegas 2017*
- *AAOS, Annual Meeting, ICL Outpatient Joint Replacement, 2018*
- *Zimmer, Persona Total Knee Surgical Training Course, Phoenix 2018*
- *Masterminds Roundtable, Current Concepts and Future Innovations in the Direct Anterior Approach, Austin, 2018*
- *Anterior Hip Foundation Meeting, Las Vegas 2018*
- *California Orthopedic Association Annual Meeting, SF, 2018*
- *Zimmer, Persona Revision Total Knee Validation, Warsaw, IN, 2018*
- *Western Orthopaedic Association Annual Meeting, Snow Mass, CO, 2018*
- *Zimmer Persona Partial Knee Surgical Training Course, Chicago 2018*
- *Zimmer, Persona Revision Total Knee Evaluation, Denver, CO, 2019*
-

- *Masterminds Roundtable, Innovations in Hip & Knee Replacement, Phoenix, 2019*
- *AAOS, Annual Meeting, ICL Outpatient Joint Replacement, 2019*
- *Anterior Hip Foundation Meeting, Las Vegas 2019*
- *California Orthopedic Association Annual Meeting, Laguna Niguel, 2019*
- *Western Orthopaedic Association Annual Meeting, Monterey, CA, 2019*
- *AAOS Outpatient and Rapid Recovery in Total Joint Replacement course, Rosemont, IL, 2019*

Research Studies

- Principal Investigator, Steering Committee, Exparel TKA Wound Infiltration RCT, 2016-7
- Principal Investigator, Zimmer Prospective Eval. of Continuum Acetabular component, 2012-
- Principal Investigator, Zimmer Persona Partial Knee Surgeon Evaluator, 2017-
- Principal Investigator, Zimmer Persona Revision Knee Surgeon Evaluator, 2017-
- Blood management techniques in hip and knee replacement
- 90-day morbidity and mortality in primary total hip replacement and total knee replacement
- Use of the Aquamantys Bipolar Sealer in Primary TKA. An experience in 3172 consecutive procedures.
- Institute for Joint Restoration Database Collection and Analysis
- Increased Effectiveness of a bipolar sealer in primary knee replacement patients with a preoperative hematocrit of 35 or less
- Retrospective evaluation of palacos and simplex cement in Knee replacement
- Evaluation of primary total hip replacement with use of a thrombin hemostatic matrix
- Comparison of Effectiveness of a bipolar sealer in total knee replacement patients based on age, body mass index, and bilateral versus single surgery
- Primary total hip arthroplasty with a cementless proximally porous coated tapered femoral component at 2-8 year followup
- Comparison of Knotless Barbed Suture and Standard Suture in Knee Replacement Patients
- Effectiveness of a perioperative autotransfusion system in 7864 consecutive primary total hip and knee replacements
- Implant size & patient outcome differences in over 400 staged bilateral hip replacements
- Cemented vs Cementless Femoral fixation in primary THA in patients aged 75 and older
- Success of Modern Hybrid Total Hip Arthroplasty
- Prospective Post Market Clinical Follow-Up Study of the Continuum™ Metal on Polyethylene Acetabular System
- Evaluation of Benefits of a Preoperative Education Class and Patient Retention in a Total Joint Arthroplasty Program
- “A Multicenter, Randomized, Double Blind, Controlled Trial Comparing Local Infiltration Analgesia with EXPAREL to Local Infiltration Analgesia without EXPAREL to Manage Postsurgical Pain Following Total Knee Arthroplasty”
- “A Phase 3b, Randomized, Double-Blind, Placebo-Control, Multicenter, Evaluation of the Safety and Efficacy of N1539 Administered Preoperatively in Open Unilateral Total Knee Arthroplasty”
- myMobility Clinical Study (Apple watch/Zimmer)
- Evaluation of intraoperative soft-tissue balance and postoperative functional recovery after total knee arthroplasty (Orthosensor/Muvr)
- Evaluation of knee motion and activity in patients considering knee arthroplasty (Muvr)