

# CURRICULUM VITAE

## Antonia F. Chen, MD/MBA

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### EDUCATION

<b>ROTHMAN INSTITUTE</b> <i>Fellowship.</i> Mentors: Dr. Richard H. Rothman, Dr. Javad Parvizi, Dr. James J. Purtill, Dr. William J. Hozack, Dr. Matthew S. Austin, Dr. Gregory K. Deirmengian	Philadelphia, PA; 2013-2014
<b>UNIVERSITY OF PITTSBURGH – ORTHOPAEDIC SURGERY DEPARTMENT</b> <i>Residency.</i> Mentors: Dr. Freddie H. Fu, Dr. Brian A. Klatt, Dr. Lawrence S. Crossett, Dr. Adolph J. Yates, Jr.	Pittsburgh, PA; 2008-2013
<b>UMDNJ - ROBERT WOOD JOHNSON MEDICAL SCHOOL</b> <i>Medical Doctorate with Distinction in Research.</i> Mentor: Dr. Alfred J. Tria, Jr.	Piscataway, NJ; 2002-2008
<b>RUTGERS BUSINESS SCHOOL</b> <i>Master of Business Administration.</i>	New Brunswick, NJ; 2003-2005
<b>YALE UNIVERSITY</b> <i>Bachelor of Science in Molecular, Cellular and Developmental Biology.</i>	New Haven, CT; 1998-2002

### EMPLOYMENT

<b>THOMAS JEFFERSON UNIVERSITY</b> <i>Associate Professor in Orthopaedics at the Sidney Kimmel Medical College</i> <i>Assistant Professor in Orthopaedics at the Sidney Kimmel Medical College</i> <i>Instructor in Orthopaedics at the Sidney Kimmel Medical College</i>	Philadelphia, PA 2017- PRESENT 2015-2017 2013-2015
<b>ROTHMAN INSTITUTE</b> <i>Associate Director of Research.</i>	Philadelphia, PA; 2014-PRESENT

### MEDICAL LICENSURES

<b>COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF STATE</b> License number – MD 447835	2008-PRESENT
<b>COMMONWEALTH OF NEW JERSEY DEPARTMENT OF STATE</b> License number – MD 25MA09305900	2013-PRESENT

### NATIONAL AND INTERNATIONAL ADMINISTRATIVE POSITIONS

- 2017- PRESENT American Association of Orthopaedic Surgeons (AAOS) Orthopaedic Special Interest Group (OSIG) Workgroup member
- 2017- PRESENT *Journal of Arthroplasty* – Editorial Board
- 2017-2018 *Musculoskeletal Infection Society* Executive Board Member – President
- 2017- PRESENT *Clinical Orthopaedics and Related Research (CORR) Journal* – Associate Editor
- 2017- PRESENT American Association of Orthopaedic Surgeons (AAOS) Board of Councils (BOC)/Board of Specialty Societies (BOS) Professionalism Committee liaison
- 2017- PRESENT American Joint Replacement Registry (AJRR) Research Projects Subcommittee member
- 2017- PRESENT Board of Specialty Societies Member Representative
- 2017- PRESENT International Congress for Joint Reconstruction – Digital Media Committee member
- 2016-PRESENT Director of Medical Education Curriculum, Musculoskeletal Studies – Sidney Kimmel Medical College
- 2016-PRESENT American Association of Hip and Knee Surgeons (AAHKS) Finance Committee
- 2016-PRESENT *Journal of Bone & Joint Infection* – Editorial Board
- 2016-PRESENT *Annals of Joint Journal* – Associate Editor, Editorial Board
- 2016-PRESENT International Congress for Joint Reconstruction (ICJR) Continuing Medical Education (CME) question writer
- 2016-2017 *Musculoskeletal Infection Society* Executive Board Member – Vice President

- 2016-2017 *American College of Rheumatology* Perioperative Management Guideline committee
- 2015-PRESENT *Healthcare Transformation Journal* – Editorial Board
- 2015-PRESENT *European Knee Association* Board Member – Research Committee
- 2015-PRESENT *Knee Surgery, Sports Traumatology, Arthroscopy (KSSTA) Journal* – Editorial Board
- 2015-PRESENT *Bone & Joint 360 Journal* – Editorial Board
- 2015-PRESENT American Academy of Orthopaedic Surgery (AAOS) Committee on Evidence-Based Quality and Value (EBQV) Committee member
- 2015-2017 Orthopaedic Surgical Site Infection Chair, Thomas Jefferson University Hospital, Philadelphia, PA, USA
- 2015-2017 American Joint Replacement Registry (AJRR) clinical and faculty leader, Thomas Jefferson University Hospital, Philadelphia, PA, USA
- 2015-2017 International Congress for Joint Reconstruction (ICJR) Grand Rounds Editor
- 2015-2017 Resident Promotion Committee member at the Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA, USA
- 2015-2016 *Musculoskeletal Infection Society* Executive Board Member – Member at Large
- 2012-2013 American Academy of Orthopaedic Surgeons (AAOS) Orthopaedic Residents Opinion Group
- 2012-2013 Chief Resident
- 2011- 2012 Resident member, American Academy of Orthopaedic Surgeons (AAOS) New Technology resource panel
- 2010- 2013 Resident and Fellow Liaison, Membership Committee, American Association of Hip and Knee Surgeons (AAHKS)
- 2010-2013 Graduate Medical Education (GME) Accreditation, Review & Quality Committee (ARQC) resident liaison at the University of Pittsburgh School of Medicine

## HONORS AND AWARDS

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### ROTHMAN INSTITUTE

- 2018 The **Knee Society’s John N. Insall, MD Award**. “Unsupervised Home Exercise Equivalent to Traditional Outpatient Therapy After Primary TKA: A Randomized Controlled Trial.”
- 2018 **American Association of Hip and Knee Surgeons Poster Award – Primary Knee**. “Unsupervised Home Exercise Provides Equivalent Outcomes to Traditional Outpatient Physiotherapy after Primary Total Knee Arthroplasty: A Randomized Controlled Trial”
- 2017 **Jon Mader Award** – Musculoskeletal Infection Society Award for best clinical research paper. “Marker to Guide Reimplantation after Two-stage Exchange Arthroplasty for Periprosthetic Joint Infection: A Meta-analysis”
- 2017 **Current Concepts in Joint Replacement (CCJR) Top Paper**. “Post-Operative Blood Glucose Levels Predict Periprosthetic Joint Infection after Primary Total Joint Arthroplasty.”
- 2016 **Top reviewer for *Clinical Orthopaedics and Related Research (CORR) Journal***
- 2016 **American Association of Hip and Knee Surgeons Poster Award – Complications not Including Infection**. “A Comparison of Two Dosing Regimens of ASA following Total Hip and Knee Arthroplasty
- 2016 **American Association of Hip and Knee Surgeons Poster Award – Infection**. “Case Order Has an Effect on Periprosthetic Joint Infection Risk”
- 2016 ***Journal of Bone and Joint Surgery (JBJS) Elite Reviewer Status***
- 2016 Guest editor of “**Local Antimicrobial Treatment in Orthopaedic Surgery**” in *Journal of Bone & Joint Infection*. 2016. Volume 1
- 2016 *Knee Surgery, Sports Traumatology, Arthroscopy (KSSTA) Reviewer of the Year*
- 2016 Philadelphia Business Journal – **Top 40 under 40** years old in Philadelphia, Pennsylvania
- 2016 **Sigma Xi AOA symposium poster award**. “Decreased Flexion Contracture after Total Knee Arthroplasty: A Randomized Controlled Trial.”
- 2016 **The Otto Aufranc Award** – The Open Hip Society Meeting. “A Multi-Center, Prospective, Randomized Study of Outpatient versus Inpatient Total Hip Arthroplasty.”
- 2016 **George Cierny, III Memorial Award**. Institutional Excellence in Research at the Rothman Institute. *Musculoskeletal Infection Society* meeting, August 5-6, 2016.
- 2015 **Mark Coventry Award** – The Knee Society Specialty Day Award. “Oral Antibiotics Reduce

- 2015 Reinfection Following 2-Stage Exchange: A Multi-Center, Randomized Controlled Trial.”
- 2015 **American Association of Hip and Knee Surgeons Poster Award.** “Routine Work-up of Patients with Postoperative Pyrexia following Total Joint Arthroplasty is Not Necessary.”
- 2015 Guest editor of “**Treatment Options for Orthopaedic Infections**” in *Operative Techniques in Orthopaedics*. 2016 Issue #1.
- 2015 Guest editor of “**Adult reconstruction: clinical and basic research**” in the *Annals of Translational Medicine*.
- 2015 Colombian National Orthopaedic meeting (60° Congreso Nacional SCCOT), Winner of Best Abstract, “**Should Preoperative Antibiotics be Tailored According to Patient’s Comorbidities?**” May 20-23, 2015. Cartagena, Colombia
- 2015 U.S. Bone and Joint Initiative, Young Investigators Initiative (YII) program
- 2015 Eastern Orthopaedic Association (EOA)/Eastern Orthopaedic Educational Foundation (EOEF) Resident/Fellow award. “**Organism Persistence in Failed Prosthetic Retention for Periprosthetic Joint Infection.**” June 17-20, 2015. Wailea-Maui, HI, USA

#### UPMC ORTHOPAEDICS

- 2013 Top reviewer in 2013 for *Clinical Orthopaedics and Related Research* (CORR) Journal
- 2013 Runner-up Fellow/Resident Award. Pennsylvania Orthopaedic Society. October 10-11, 2013. State College, PA, USA
- 2013 Resident Research Day Award. Visiting Professor: Dr. John J. Callaghan. Pittsburgh, PA, USA
- 2013 Selected to participate in a panel discussion on Career Development at the ORS/ORF/AAOS New Investigator Workshop. May 17-18, 2013. Baltimore, MD, USA
- 2013 Featured in Emerging Leaders on the Move. *Emerging Leaders Messenger*. February 15, 2013.
- 2012 Jeannette Wilkins Award – Musculoskeletal Infection Society Award for best basic science research paper; San Antonio, TX, USA
- 2012 AOA Resident Leadership Forum 125th Annual Meeting of the American Orthopaedic Association; Washington, DC, USA
- 2012 Jacquelin Perry, MD, Resident Research Award from Ruth Jackson Orthopaedic Society; San Francisco, CA, USA
- 2011 Gold Foundation Humanism and Excellence in Teaching Award; Pittsburgh, PA, USA
- 2011 1<sup>st</sup> place in the OREF/ORS Midwest Heartland Resident Research Symposium; St. Louis, MO, USA
- 2010 Clinical Scientist Development Program (CSDP) – AAOS and AAHKS sponsored; Rosemont, IL, USA
- 2010 Most Supportive Physician, Children’s Hospital of Pittsburgh; Pittsburgh, PA, USA

#### ROBERT WOOD JOHNSON MEDICAL SCHOOL

- 2008 Excellence in Research Award, Robert Wood Johnson Medical School; Piscataway, NJ, USA
- 2008 Alpha Omega Alpha (AOA) membership, Robert Wood Johnson Medical School; Piscataway, NJ, USA
- 2007 The Oslerian Award for Translational Research, National Student Research Forum; Galveston, TX, USA

#### RUTGERS BUSINESS SCHOOL

- 2005 Beta Gamma Sigma Honor Society, Rutgers Business School; New Brunswick, NJ, USA
- 2003 2<sup>nd</sup> place Innovative Design Contest – *Team leader*, Rutgers Business School; New Brunswick, NJ, USA

#### REVIEWS

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- 2017-PRESENT Abstract reviewer for the Orthopaedic Research Society (ORS) Annual Meeting
- 2017-PRESENT Manuscript reviewer for *The Lancet Infectious Diseases*
- 2017-PRESENT Manuscript reviewer for *British Journal of Sports Medicine* (BJSM)
- 2017-PRESENT Manuscript reviewer for *BMC Infectious Diseases*
- 2017-PRESENT Manuscript reviewer for *BMC Rheumatology*
- 2016-PRESENT Manuscript reviewer for *Journal of Bone and Joint Surgery* (JBJS)
- 2016-PRESENT Manuscript reviewer for *Journal of Bone and Joint Surgery* (JBJS) Case Connector
- 2016-PRESENT Manuscript reviewer for *Journal of Bone and Joint Surgery* (JBJS) Essential Surgical Techniques
- 2016-PRESENT Manuscript reviewer for *Genetic Testing and Molecular Biomarkers*
- 2016-PRESENT Manuscript reviewer for *The Knee*
- 2016-PRESENT Manuscript reviewer for *Journal of Knee Surgery*

- 2016-PRESENT Manuscript reviewer for the *Journal of the American Academy of Orthopaedic Surgeons (JAAOS)*
- 2015-PRESENT Manuscript reviewer for *PLOS One*
- 2015-PRESENT Manuscript reviewer for *The Bone & Joint Journal (BJJ)*
- 2015-PRESENT Grant reviewer for *Arthritis Research UK*
- 2015-PRESENT Grant reviewer for *Physicians Services Incorporated (PSI) Foundation*
- 2015-PRESENT Abstract reviewer for the European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA) Annual Meeting
- 2014-PRESENT Manuscript reviewer for *Journal of Arthroplasty (JOA)*
- 2014-PRESENT Abstract reviewer for the American Association of Hip and Knee Surgeons (AAHKS) Annual Meeting
- 2013-PRESENT Manuscript reviewer for *Knee Surgery, Sports Traumatology, Arthroscopy (KSSTA)*
- 2013-PRESENT Manuscript reviewer for *BMC Musculoskeletal Disorders*
- 2012-PRESENT Prospective Clinical Research Grant Reviewer for *Orthopaedic Research and Education Foundation (OREF)*
- 2012-PRESENT Manuscript reviewer for *Stem Cell Research & Therapy Journal*
- 2012-PRESENT Manuscript reviewer for *Clinical Orthopaedics and Related Research (CORR) Journal*
- 2011-PRESENT Manuscript reviewer for *Academic Radiology Journal*
- 2011-PRESENT Manuscript reviewer for *Transfusion Journal*

## PROFESSIONAL SOCIETY MEMBERSHIPS

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- 2015-PRESENT European Knee Association (EKA)
- 2015-PRESENT European Bone & Joint Infection Society (EBJIS)
- 2013-PRESENT European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)
- 2013-PRESENT International Society of Arthroscopy, Knee Surgery, and Orthopedic Sports Medicine (ISAKOS)
- 2012-PRESENT American Orthopaedic Association (AOA)
- 2012-2017 Pennsylvania Medical Society (PAMED)
- 2012-2015 North American Spine Society (NASS)
- 2012-2013 Allegheny County Medical Society
- 2011-PRESENT Orthopaedic Research Society (ORS)
- 2011-PRESENT Musculoskeletal Infection Society (MSIS)
- 2011-2016 Ruth Jackson Orthopaedic Society (RJOS)
- 2009-PRESENT American Association of Hip and Knee Surgeons (AAHKS)
- 2008-PRESENT American Academy of Orthopaedic Surgeons (AAOS)
- 2008-PRESENT Alpha Omega Alpha (AOA)
- 2005-PRESENT Beta Gamma Sigma (BGS)
- 2002-2009 American College of Surgeons (ACS)
- 2002-2008 American Medical Association (AMA)

## GRANT SUPPORT

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1. **Chen AF**, Rosenbloom J. Prevention of Arthrofibrosis using Trametinib. *JeffSolves Dean's Transformational Science Award*. \$10,000. 2017.
2. **Chen AF**, Fertala A. Arthrofibrosis Modulation by Targeting Collagen Cross-links. *OREF New Investigator Grant*. \$50,000. 2016-2017.
3. Fehring TK, Parvizi J, **Chen AF**, Higuera C, Springer BD, Della Valle CJ, Cross MB. One Stage versus Two Stage For Periprosthetic Hip And Knee Infection. *OREF Clinical Research Grant in Hip and Knee Arthroplasty Infection*. \$500,000. 2016-2019.
4. **Chen AF**, Klatt BA, Tuan RS. Mesenchymal Stem Cell Treatment and Prevention of Periprosthetic Joint Infections. *OREF/AAHKS Resident Clinician Scientist Training Grant in Total Joint Arthroplasty*. \$21,500. 2012-2013.
5. **Chen AF** and Donaldson WF. Comprehensive Screening Protocol for methicillin-resistant *Staphylococcus Aureus* (MRSA) and methicillin-sensitive *Staphylococcus Aureus* (MSSA) in the Spine. *Scoliosis Research Society (SRS)*. \$24,967. 2011-15.

6. **Chen AF**, Tashman S, Klatt BA. Unicompartmental Knee Replacement – Biodynamic Analysis of the Effect that Medial Unicompartmental Knee Arthroplasty has on the Uninvolved Lateral Compartment. *Albert B. Ferguson, MD Orthopaedic Fund, The Pittsburgh Foundation*. \$5,000. 2011-13.
7. **Chen AF**, Donaldson WF, Lee JY, Ward WT, Kang JD. Methicillin-resistant *Staphylococcus Aureus* (MRSA) Typing and Screening in Orthopaedic Spine patients. *Albert B. Ferguson, MD Orthopaedic Fund, The Pittsburgh Foundation*. \$5,000. 2010-11.
8. **Chen AF**, Klatt BA. Evaluation of a Screening and Treatment Protocol for methicillin-resistant *Staphylococcus Aureus* in Total Joint Arthroplasty. *OREF-Depuy Resident Educational Grant*. \$5,000. 2010-11.
9. **Chen AF**, Kropf S, Fu FH. Femoral Condyle Size in Double and Single Bundle ACL Reconstruction. *Albert B. Ferguson, MD Orthopaedic Fund, The Pittsburgh Foundation*. \$5,000. 2009-10.
10. **Chen AF**, Guilak F, Femor BE. Osteoarthritis, Nitric Oxide and DNA damage in Articular Cartilage. *Orthopaedic Research and Education Foundation (OREF) Medical Student Summer Orthopaedic Research Fellowship*. \$5,000. 2006-7.
11. **Chen AF**, Femor BE. DNA Damage in Articular Cartilage via Nitric Oxide in the Pathogenesis of Osteoarthritis. *UMDNJ Robert Wood Johnson Medical School Research Scholar Fellowship Program*. \$15,000. 2006-7.

## PUBLICATIONS

1. White KT, Fleischman AN, Ackerman CT, Chen AF, Rothman RH. Managing Superficial Distal Medial Collateral Ligament Insufficiency in Primary Total Knee Arthroplasty Using Bone Staples. *Journal of Arthroplasty*. 2017. *Submitted*.
2. Kheir MM, Tan TL, Kheir M, Maltenfort MG, **Chen AF**. Post-operative Blood Glucose Levels Predict Infection after Total Joint Arthroplasty. *Journal of Bone and Joint Surgery*. 2017. *Submitted*.
3. Shao H, Chen C, Shahi A, **Chen AF**. Proximal Femur Morphology Differs Between Caucasians and East Asians. *Hip International*. 2017. *Submitted*.
4. Lee YS, Fernando N, Koo K-H, Kim HJ, Vahedi H, **Chen AF**. Marker to Guide Reimplantation After Two-stage Exchange Arthroplasty for Periprosthetic Joint Infection: A Meta-analysis. *Clinical Orthopaedics and Related Research*. 2017. *Accepted – under revision*.
5. Danoff JR, Longaray J, Rajaravivarma R, Gopalakrishnan A, **Chen AF**, Hozack WJ. Impaction Force Influences Taper-Trunion Stability in Total Hip Arthroplasty. *Journal of Arthroplasty*. 2017. *Accepted – under revision*.
6. Vendittoli P-A, Riviere C, Vidalain J-P, Engh A, **Chen AF**, Grappiolo G, Hopper R, Loppini M, Nikolaus B, Matta J. Long Term Bone Remodeling Around “Legendary” Cementless Femoral Stems. *EFORT Open Reviews*. 2017. *Accepted*.
7. Lee YS, Koo K-H, Kim HJ, Tian S, Kim T-Y, Maltenfort MG, **Chen AF**. Synovial Fluid Biomarkers for the Diagnosis of Periprosthetic Joint Infection: A Systematic Review and Meta-Analysis. *Journal of Bone and Joint Surgery*. 2017. *Accepted*.
8. Shao H, Chen C, Scholl D, Faizan A, **Chen AF**. Tibial shaft anatomy differs between Caucasians and East Asian individuals. *Knee Surg Sports Traumatol Arthrosc*. 2017. *Accepted*.
9. Ponzio DY, Syed UM, Purcell K, Cooper AM, Maltenfort MG, Shaner J, **Chen AF**. Low Prevalence of Hip and Knee Arthritis in Active Marathon Runners. *Journal of Bone and Joint Surgery*. 2017. *Accepted*.
10. Hickok NJ, Shapiro IM, **Chen AF**. Antibiotic Modification of Biomaterial Surfaces Inhibits Bacterial Colonization. *Journal of Dental Research*. 2017. *Accepted*.
11. **Chen AF**, Fleischman AN, Austin MS. The Use of Intra-wound Antibiotics in Orthopaedic Surgery. *Journal of the American Academy of Orthopaedic Surgeons*. 2017. *Accepted*.
12. Klement MR, Siddiqi A, Karas V, Rock JM, Bolognesi MP, Seyler TM, Parvizi J, Chen AF. Are All Periprosthetic Joint Infections The Same? Evaluating major versus minor criteria. *Journal of Arthroplasty*. 2017 Dec 13. *Epub*.
13. Kheir MM, Kheir YN, Tan TL, Ackerman C, Rondon AJ, **Chen AF**. Increased Complications for Schizophrenia and Bipolar Disorder Patients Undergoing Total Joint Arthroplasty. *Journal of Arthroplasty*. 2017 Dec 13. *Epub*.
14. Gelhorn HL, Anand SB, Parvizi J, Morrison T, Yu H, Pokrzywinski R, Al-Jassar G, **Chen AF**. Qualitative Interviews to Identify Burden of Illness, Impacts and Costs Associated with Surgical Site Infections. *Journal of Comparative Effectiveness Research*. 2017 Nov 9. *Epub*.
15. MacDonald DW, Higgs GB, **Chen AF**, Malkani A, Mont MA, Kurtz SM. Oxidation, Damage Mechanisms, and Reasons for Revision of Sequentially Annealed HXLPE in Total Knee Arthroplasty. *Journal of Arthroplasty*. 2017 Sept 25. *Epub*.

16. Fedorka CJ, **Chen AF**, Pagnotto MR, Crossett LS, Klatt BA. Revision Total Knee Replacement with Porous Coated Metaphyseal Sleeves. *Knee Surg Sports Traumatol Arthrosc.* 2017 Mar 17. Epub.
17. Fleischman AN, Schubert MM, Restrepo C, **Chen AF**, Rothman RH. Reduced Incidence of Intraoperative Femur Fracture with a Second-Generation Tapered Wedge Stem. *Journal of Arthroplasty.* 2017 Nov; 32(11): 3457-3461.
18. Klement MR, Siddiqi A, Karas V, Rock JM, **Chen AF**, Parvizi J, Bolognesi MP, Seyler TM. Positive Blood Cultures in Periprosthetic Joint Infection Decrease Rate of Treatment Success. *Journal of Arthroplasty.* 2018 Jan; 33(1):200-204.
19. Kazarian GS, Siow MY, **Chen AF**, Deirmengian CA. Comparison of quadriceps-sparing and medial parapatellar approaches in total knee arthroplasty: a meta-analysis of randomized controlled trials. *Journal of Arthroplasty.* 2018 Jan; 33(1):277-283.
20. Tan TL, Kheir MM, Modi R, Penny GS, Chen C, Shao H, Parvizi J, **Chen AF**. Midterm Survivorship and Complications of Total Knee Arthroplasty in Patients with Dwarfism. *Journal of Arthroplasty.* 2017 Nov; 32(11): 3364-3367.
21. Geller JA, Cunn G, Herschmiller T, Murtaugh T, **Chen AF**. Acute Kidney Injury after First Stage Joint Revision for Infection: Risk Factors and the Impact of Antibiotic Dosing. *Journal of Arthroplasty.* 2017 Oct;32(10): 3120-3125.
22. Goodman SM, Springer BD, Guyatt G, Abdel M, Dasa V, George M, Gewurz-Singer O, Giles J, Johnson B, Lee S, Mandl L, Mont M, Sculco P, Sporer S, Stryker L, Turgunbaev M, Brause B, **Chen AF**, Gilliland J, Goodman M, Hurley-Rosenblatt A, Kirou K, Losina E, MacKenzie R, Michaud K, Mikuls T, Russell L, Sah A, Miller AS, SinghJ, Yates A. 2017 American College of Rheumatology/American Association of Hip and Knee Surgeons Guideline for the Perioperative Management of Antirheumatic Medication in Patients With Rheumatic Diseases Undergoing Elective Total Hip or Total Knee Arthroplasty. *Journal of Arthroplasty.* 2017 Sept; 32(9): 2628-2638.
23. Modi RM, Kheir MM, Tan TL, Penny GS, Chen CL, Shao H, **Chen AF**. Survivorship and complications of total hip arthroplasty in patients with dwarfism. *Hip International.* 2017 Sep 19;27(5):460-464.
24. Crizer M, Kazarian GS, Fleischman A, Lonner JH, **Chen AF**. Stepping Towards Objective Outcomes: A Prospective Analysis of Step-Count after Total Joint Arthroplasty. *Journal of Arthroplasty.* 2017 Sep;32(9S):S162-S165.
25. Feldstein M, Low S, **Chen AF**, Woodward L, Hozack WJ. A Comparison of Two Dosing Regimens of ASA following Total Hip and Knee Arthroplasty. *Journal of Arthroplasty.* 2017 Sep;32(9S):S157-S161.
26. MacDonald D, **Chen AF**, Lee GC, Klein GR, Mont MA, Kurtz SM. Fretting and Corrosion Damage in Taper Adapter Sleeves for Ceramic Heads: A Retrieval Study. *Journal of Arthroplasty.* 2017 Sept; 32(9):2887-2891.
27. Rezapoor M, Nicholson T, Tabatabaee RM, **Chen AF**, Maltenfort M, Patel R, Parvizi J. Povidone-Iodine-based Solutions for Decolonization of Nasal *Staphylococcus aureus*: A Randomized, Prospective, Placebo-Controlled Study. *Journal of Arthroplasty.* 2017 Sept; 32(9):2815-2819.
28. Goodman SM, Springer BD, Guyatt G, Abdel M, Dasa V, George M, Gewurz-Singer O, Giles J, Johnson B, Lee S, Mandl L, Mont M, Sculco P, Sporer S, Stryker L, Turgunbaev M, Brause B, **Chen AF**, Gilliland J, Goodman M, Hurley-Rosenblatt A, Kirou K, Losina E, MacKenzie R, Michaud K, Mikuls T, Russell L, Sah A, Miller AS, SinghJ, Yates A. 2017 American College of Rheumatology/American Association of Hip and Knee Surgeons Guideline for the Perioperative Management of Antirheumatic Medication in Patients With Rheumatic Diseases Undergoing Elective Total Hip or Total Knee Arthroplasty. *Arthritis Care & Research.* 2017 Aug;69(8):1111-1124.
29. Goodman SM, Springer BD, Guyatt G, Abdel M, Dasa V, George M, Gewurz-Singer O, Giles J, Johnson B, Lee S, Mandl L, Mont M, Sculco P, Sporer S, Stryker L, Turgunbaev M, Brause B, **Chen AF**, Gilliland J, Goodman M, Hurley-Rosenblatt A, Kirou K, Losina E, MacKenzie R, Michaud K, Mikuls T, Russell L, Sah A, Miller AS, SinghJ, Yates A. 2017 American College of Rheumatology/American Association of Hip and Knee Surgeons Guideline for the Perioperative Management of Antirheumatic Medication in Patients With Rheumatic Diseases Undergoing Elective Total Hip or Total Knee Arthroplasty. *Arthritis Rheumatol.* 2017 Aug;69(8):1538-1551.
30. Padezimas EM, Kreitz TM, Zmistowski B, Girden AJ, Hozack WJ, **Chen AF**. Comparison of Short-Term Outcomes after Total Hip Arthroplasty between an Orthopaedic Specialty Hospital and General Hospital. *Journal of Arthroplasty.* 2017 Aug; 32(8):2347-2352.
31. Murawski CD, **Chen AF**, Fu FH. Radiographic femoral bicondylar width predicts anterior cruciate ligament insertion site sizes. *Knee Surg Sports Traumatol Arthrosc.* 2017 Aug; 25(8): 2424-2427.
32. Grant AE, Schwenk ES, Torjman MC, Hillesheim R, **Chen AF**. Postoperative analgesia in patients undergoing primary or revision knee arthroplasty with adductor canal block. *Anesth Pain Med.* 2017 Apr 17;7(3):e46695.
33. **Chen AF**, Nana AD, Nelson SB, McLaren A. What's New in Musculoskeletal Infection: Update Across Orthopaedic Subspecialties. *Journal of Bone and Joint Surgery.* 2017 Jul 19;99(14):1232-1243.
34. **Chen AF**, Pflug E, O'Brien D, Maltenfort MG, Parvizi J. Utilization of Total Joint Arthroplasty in Physician-Owned Specialty Hospitals versus Acute Care Facilities. *Journal of Arthroplasty.* 2017 Jul;32(7):2060-2064.e1.

35. **Chen AF**, Kheir MM, Greenbaum JM, Restrepo C, Maltenfort MG, Parvizi J. Case Order Has An Effect On Periprosthetic Joint Infection Risk. *Journal of Arthroplasty*. 2017 Jul;32(7):2234-2238.
36. Kazarian GS, Woodward L, Viola J, Lonner J, Hozack WJ, **Chen AF**. Improvement in Sexual Activity and Kneeling After Total Knee Arthroplasty. *Journal of Arthroplasty*. 2017 Apr;32(4):1159-1163.
37. Tan TL, Gomez MM, Restrepo C, **Chen AF**. Should Preoperative Antibiotics be Tailored According to Patient's Comorbidities? *Journal of Arthroplasty*. 2017 Apr;32(4):1089-1094.
38. Arnholt C, MacDonald DW, Underwood R, Guyer EP, Rimnac CM, Kurtz SM; Implant Research Center Writing Committee, Mont M, Klein GR, Lee GC, **Chen AF**, Hamlin BR, Cates HE, Malkani AL, Kraay MJ. Do Stem Taper Micro-grooves Influence Taper Corrosion in Total Hip Arthroplasty? A Matched Cohort Retrieval Study. *Journal of Arthroplasty*. 2017 Apr;32(4):1363-1373.
39. Shahi AS, **Chen AF**, Tan TL, Maltenfort MG, Kucukdurmaz F, Parvizi J. The Incidence and Economic Burden of In-hospital Venous Thromboembolism in the United States. *Journal of Arthroplasty*. 2017 Apr;32(4):1063-1066.
40. Kheir MM, Tan TL, Gomez M, **Chen AF**, Parvizi J. Patients with Failed Prior Two-Stage Exchange have Poor Outcomes Following Further Surgical Intervention. *Journal of Arthroplasty*. 2017 Apr;32(4):1262-1265.
41. Schwarzkopf R, Garwin C, Murphy DJ, **Chen AF**. Do Conversion Total Hip Arthroplasty Yield Comparable Results To Primary Total Hip Arthroplasty? *Journal of Arthroplasty*. 2017 March;32(3):862-871.
42. Shahi A, Tan TL, **Chen AF**, Maltenfort MG, Parvizi J. In Hospital Mortality in Patients with Periprosthetic Joint Infection. *Journal of Arthroplasty*. 2017 March;32(3):948-952.
43. Tischler EH, Matsen Ko L, Schroeder J, **Chen AF**, Maltenfort MG, Austin MS. Smoking Increases the Rate of Reoperation within 90 Days After Primary Total Joint Arthroplasty. *Journal of Bone and Joint Surgery*. 2017 Feb 15;99(4):295-304.
44. Yoo JH, Restrepo C, **Chen AF**, Parvizi J. Routine Work-up of Patients with Postoperative Pyrexia following Total Joint Arthroplasty is Not Necessary. *Journal of Arthroplasty*. 2016. 2017 Feb;32(2):520-525.
45. Shao H, Chen CL, Maltenfort MG, Restrepo C, Rothman RH, **Chen AF**. *Journal of Arthroplasty*. Bilateral Total Hip Arthroplasty: 1-Stage or 2-Stage? A Meta-Analysis. 2017 Feb;32(2):689-695.
46. **Chen AF**. CORR Insights®: One-stage Revision With Catheter Infusion of Intraarticular Antibiotics Successfully Treats Infected THA. *Clinical Orthopaedics and Related Research*. 2017 Feb;475(2):430-432.
47. Goyal N, **Chen AF**, Padgett SE, Tan TL, Kheir MM, Hopper RH, Hamilton WG, Hozack WJ. Otto Aufranc Award: A Multi-Center, Prospective, Randomized Study of Outpatient versus Inpatient Total Hip Arthroplasty. *Clinical Orthopaedics and Related Research*. 2017 Feb;475(2):364-372.
48. Meneghini RM, Elston AS, **Chen AF**, Kheir MM, Fehring TK, Springer BD. The Direct Anterior Approach is a Risk Factor for Early Femoral Failure in Cementless Total Hip Arthroplasty: A Multi-Center Study. *Journal of Bone and Joint Surgery – American*. 2017. 2017 Jan 18;99(2):99-105.
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## CLINICAL TRIALS

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1. **Principle Investigator**. *Smith & Nephew*. “A prospective, randomized, comparative study to assess the prevention of surgical site infection (SSI’s) in revision total joint arthroplasty patients treated with Single-Use Negative Pressure Wound Therapy (PICO™) or standard care dressings (AQUACEL® Ag SURGICAL Dressing).”
2. **Principle Investigator**. Halyard Health. “Use of Cooled Radiofrequency for the Treatment of Pain associated with OA of the Hip compared to Steroid Injections.”
3. **Principle Investigator**. *Iovera*. “A Post-Market, Multi-Center, Prospective, Double-Blind, Randomized, Controlled Study to Evaluate the Iovera° Device in Treating Pain Associated with Total Knee Arthroplasty.”
4. **Co-Investigator**. *Stryker*. “Early User Evaluation of Robotic-Assisted Total Knee Arthroplasty.”

## ABSTRACTS, PRESENTATIONS AND POSTERS

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1. Kheir MM, Tan TL, Rondon A, Purtill JJ, **Chen AF**. Unmatched Orthopaedic Applicants: Similar Outcome Between Surgical Internship and Research Year.
  - Poster presentation at the American Orthopaedic Association (AOA) meeting. June 26-29, 2018; Boston, MA, USA.
2. Chapman T, Zmistowski B, **Chen AF**, Purtill JJ. Profiles of Practicing Female Orthopedists Caring for Medicare Patients in the United States.

- Poster presentation at the American Orthopaedic Association (AOA) meeting. June 26-29, 2018; Boston, MA, USA.
3. **Chen AF**, Purtill C, Foltz C, Knott S, Hickok N. Chlorhexidine Gluconate and Mechanical Irrigation Reduce Biofilm on Smooth and Rough Titanium Surfaces.
    - Poster presentation at the *Orthopaedic Research Society (ORS)* meeting. March 10-13, 2018; New Orleans, LA, USA.
  4. Roche M, Kolisek FR, Mahoney OM, Orozco FR, Khlopas A, Marchand RC, **Chen AF**, Hitt KD, Sodhi N, Sultan AA, Mont MA. Radiographic Analysis of Robotic-Arm Assisted versus Manual Total Knee Arthroplasty.
    - Poster presentation at the *Orthopaedic Research Society (ORS)* meeting. March 10-13, 2018; New Orleans, LA, USA.
  5. Scholl L, Hampp E, Alipit V, Minter JE, Myerthall S, Mont MA, **Chen AF**. Surgeon Posture and Workload Demands during Total Knee Arthroplasty.
    - Poster presentation at the *Orthopaedic Research Society (ORS)* meeting. March 10-13, 2018; New Orleans, LA, USA.
  6. Fleischman AN, Wohl J, Fried T, **Chen AF**, Rothman RH. Early Mechanical Reoperation after THA Predisposes to Infection and Wound Complications.
    - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  7. Belden K, Mascarenhas T, Hendricks T, Merkow D, **Chen AF**. Pre-existing Skin Conditions and Orthopaedic Surgical Site Infections
    - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  8. Smith EB, Franco M, Foltz C, **Chen AF**. Can Adjunctive Perioperative Radiation Improve Range of Motion after Total Knee Revision for Arthrofibrosis?
    - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  9. Matthews C, **Chen AF**, Daryoush T, Rothman RH, Hozack WJ. Compression Bandage Following Primary Total Knee Arthroplasty: A Prospective Randomized Controlled Trial Conducted in Simultaneous Bilateral Total Knee Replacements.
    - Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
    - Podium presentation at the *Knee Society 2017 Members (Closed) Meeting*. September 14-16, 2017; Naples, FL, USA.
  10. Fleischman AN, Lutz R, Vahedi Kafshgari H, Orozco F, Hozack WJ, **Chen AF**. Time-related Learning Curve of Robotic-arm Assisted Total Knee Arthroplasty
    - Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  11. Klement MR, Siddiqi A, Karas V, Rock J, Seyler TM, Bolognesi MP, Parvizi J, **Chen AF**. Are all Periprosthetic Joint Infections Equal? Effect of Major versus Minor Criteria and Patient Outcomes.
    - Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
    - Podium presentation at the *27<sup>th</sup> Musculoskeletal Infection Society (MSIS)* meeting. August 4-5, 2017; Boston, MA, USA.
  12. Tan TL, Kheir MM, Jorge J, Higuera C, **Chen AF**, Ackerman C, Rondon A, Parvizi J. No Optimal Antibiotic-free Period Prior to Reimplantation for Periprosthetic Joint Infection.

- Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  - Podium presentation at the 27<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 3-5, 2017; Dallas, TX, USA.
  - Podium presentation at the 27<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 4-5, 2017; Boston, MA, USA.
  - Abstract in *The Jefferson Orthopaedic Journal*. 2017, Vol XLVII.
13. Fleischman AN, Crizer M, Lonner JH, Rothman RH, **Chen AF**. Unsupervised Home Exercise Provides Equivalent Outcomes to Traditional Outpatient Physiotherapy After Primary Total Knee Arthroplasty: A Randomized Controlled Trial.
- Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  - Poster presentation at the 27<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 3-5, 2017; Dallas, TX, USA.
  - Podium presentation at Eastern Orthopaedic Association (EOA) meeting. October 18-21, 2017; Miami Beach, FL, USA.
  - Podium presentation at *The Knee Society – Members* meeting. September 14-16, 2017; Naples, FL, USA.
14. Danoff JR, Longaray J, Rajaravivarma R, Gopalakrishnan A, **Chen AF**, Hozack WJ. Impaction Force Influences Taper-Trunion Stability in Total Hip Arthroplasty.
- Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  - Podium presentation at the 27<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 3-5, 2017; Dallas, TX, USA.
  - Podium presentation at *The Hip Society – Members* meeting. October 5-7, 2017; Omaha, NE, USA.
15. Kheir MM, Kheir YP, Tan TL, Ackerman C, Rondon A, **Chen AF**. Patients with Psychosis are at Increased Risk of Septic and Aseptic Complications after Total Joint Arthroplasty.
- Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  - Podium presentation at the 27<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 4-5, 2017; Boston, MA, USA.
  - Abstract in *The Jefferson Orthopaedic Journal*. 2017, Vol XLVII.
16. Goel R, Petrera M, Purlil JJ, Austin MS, Rothman RH, **Chen AF**. NPO After Midnight, is it still necessary in total joint arthroplasty patients?
- Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  - Poster presentation at the 27<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 3-5, 2017; Dallas, TX, USA.
17. **Chen AF**, Kheir MM, Foltz C, Parvizi J. Use of Portable Incisional Negative Pressure Wound Therapy after Revision Total Hip and Knee Arthroplasty: A Prospective, Randomized, Controlled Trial.
- Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  - Poster presentation at the 27<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 3-5, 2017; Dallas, TX, USA.
18. Henderson RD, Penna S, Foltz C, **Chen AF**. Which Medical Comorbidities Increase the Bundled Cost of Care in Elective Joint Replacement?
- Poster presentation at the 27<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 3-5, 2017; Dallas, TX, USA.

19. Shao H, Chen C-L, Faizan A, Scholl D, **Chen AF**. Comparison of Tibial and Femoral Shaft Anatomy in Caucasians and East Asian Individuals.
  - Short talk and e-poster at 30<sup>th</sup> *International Society for Technology in Arthroplasty (ISTA)*. September 20-23, 2017; Seoul, South Korea.
20. Yagi H, **Chen AF**, Rothenberg AC, Hirsch D, Alexander PG, Tan J, Rothrauff BB, Tang Y, Tuan RS. Antimicrobial activity of Mesenchymal Stem Cells Against *Staphylococcus aureus*.
  - Poster presentation at *Military Health System Research Symposium (MHSRS)* meeting. August 27-30, 2017; Kissimmee, FL, USA.
21. Lee YS, Koo K-H, Kim HJ, Tian S, Kim T-Y, Maltenfort MG, **Chen AF**. Synovial Fluid Biomarkers for the Diagnosis of Periprosthetic Joint Infection: A Systematic Review and Meta-Analysis.
  - Podium presentation at the 27<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 4-5, 2017; Boston, MA, USA.
22. Lee YS, Fernando N, Koo K-H, Kim HJ, Vahedi H, **Chen AF**. Marker to Guide Reimplantation After Two-stage Exchange Arthroplasty for Periprosthetic Joint Infection: A Meta-analysis.
  - Podium Presentation at the Musculoskeletal Infection Society Specialty Day at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2018; New Orleans, LA, USA.
  - Podium presentation at the 27<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 4-5, 2017; Boston, MA, USA.
23. Crizer M, Kazarian GS, Fleischman A, Lonner JH, **Chen AF**. Stepping Towards Objective Outcomes: A Prospective Analysis of Step-Count after Total Joint Arthroplasty.
  - Abstract in *The Jefferson Orthopaedic Journal*. 2017, Vol XLVII.
24. Padegimas EM, Kreitz TM, Zmistowski B, Girden AJ, Hozack WJ, **Chen AF**. Comparison of Short-Term Outcomes after Total Hip Arthroplasty between an Orthopaedic Specialty Hospital and General Hospital.
  - Abstract in *The Jefferson Orthopaedic Journal*. 2017, Vol XLVII.
25. Padegimas EM, Kreitz TM, Zmistowski B, Teplitsky SI, Namdari S, Purtill JJ, Hozack WJ, **Chen AF**. Short-Term Outcomes in Total Knee Arthroplasty Performed at an Orthopaedic Specialty Hospital.
  - Abstract in *The Jefferson Orthopaedic Journal*. 2017, Vol XLVII.
26. Kazarian GS, Maltenfort MG, Lonner J, **Chen AF**. Comparative costs of Unicompartmental and Total Knee Arthroplasty are lower than Non-surgical Treatments for Knee Arthritis: A Markov Model.
  - Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 14-18, 2017; San Diego, CA, USA.
27. Ponzio DY, Syed UAM, Purcell K, Cooper AM, Shaner J, **Chen AF**. *Low Prevalence of Hip and Knee Arthritis in Marathon Runners*.
  - Podium presentation at the 26<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 10-13, 2016; Dallas, TX, USA.
28. Kheir MM, Tan TL, Modi R, Penny GS, Chen CL, Shao H, **Chen AF**. *Survivorship and Complications of Total Hip Arthroplasty in Dwarf Patients*.
  - Poster presentation at the 26<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 10-13, 2016; Dallas, TX, USA.
29. Kheir MM, Rock J, Tan TL, **Chen AF**, Purtill C, Hozack WJ. *Self-reported Penicillin-allergic Patients Can Safely Receive Cephalosporin Prophylaxis For TJA: An Algorithm for Management*.
  - Poster presentation at the 26<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 10-13, 2016; Dallas, TX, USA.
30. Feldstein M, Low S, **Chen AF**, Woodward L, Hozack WJ. *A Comparison of Two Dosing Regimens of ASA following Total Hip and Knee Arthroplasty*.

- Poster presentation at the 26<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 10-13, 2016; Dallas, TX, USA.
31. Kazarian GS, Lonner JH, **Chen AF**. *Quantifying Patient Activity Before and After Total Hip and Knee Arthroplasty*.
    - Poster presentation at the 26<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 10-13, 2016; Dallas, TX, USA.
  32. Schwarzkopf R, Garwin C, Kim K, Murphy DJ, **Chen AF**. *Do Conversion Total Hip Arthroplasty Yield Comparable Results To Primary Total Hip Arthroplasty?*
    - Poster presentation at the 26<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 10-13, 2016; Dallas, TX, USA.
  33. **Chen AF**, Stout AM, Penny G, Sanchez C, Orozco F, Sharkey PF, Ong A. *Cementless Versus Cemented TKA: Shorter Operative Time And Similar Complications*.
    - Podium presentation at 47<sup>th</sup> Eastern Orthopaedic Association (EOA) Annual Meeting. October 19-22, 2016. New Orleans, LA, USA.
  34. **Chen AF**, Ball C, Sharkey PF, Maltenfort MG, Rothman RH. *Preliminary Comparison Of Two Generations Of Cementless THA Femoral Stems*.
    - Poster presentation at 47<sup>th</sup> Eastern Orthopaedic Association (EOA) Annual Meeting. October 19-22, 2016. New Orleans, LA, USA.
  35. Shahi A, Kheir MM, Tan TL, **Chen AF**, Parvizi J. *The Old Dog But A New Trick! At Last A Serum Marker For Diagnosis Of Periprosthetic Joint Infection*.
    - Poster presentation at the 26<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 10-13, 2016; Dallas, TX, USA.
    - Podium presentation at 47<sup>th</sup> Eastern Orthopaedic Association (EOA) Annual Meeting. October 19-22, 2016. New Orleans, LA, USA.
    - Podium presentation at the 26<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 5-6, 2016; Charlotte, NC, USA.
  36. Kheir MM, **Chen AF**, Greenbaum JM, Restrepo C, Maltenfort MG, Parvizi J. *Case Order Has An Effect On Periprosthetic Joint Infection Risk*.
    - Poster presentation at the *Orthopaedic Research Society (ORS)* meeting. March 19-22, 2017; San Diego, CA, USA.
    - Poster presentation at the 26<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 10-13, 2016; Dallas, TX, USA. American Association of Hip and Knee Surgeons Poster Award.
    - Poster presentation at the 35<sup>th</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 1-3, 2016; Oxford, United Kingdom.
    - Podium presentation at the 26<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 5-6, 2016; Charlotte, NC, USA.
  37. **Chen AF**, Kazarian GS, Kim TY, Hollern D, Deirmengian D. *Inpatient Systemic Sepsis Alert Systems Do Not Demonstrate Utility After Joint Arthroplasty*.
    - Podium presentation at the 35<sup>th</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 1-3, 2016; Oxford, United Kingdom.
    - Podium presentation at the 26<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 5-6, 2016; Charlotte, NC, USA.
  38. Kheir MM, Tan TL, Maltenfort MG, **Chen AF**. *Post-operative Blood Glucose Levels Predicts PJI after Primary Total Joint Arthroplasty*.
    - Podium presentation at Mid-America Orthopaedic Association (MAOA) meeting. April 18-22, 2018; San Antonio, TX, USA.
    - Poster presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 14-18, 2017; San Diego, CA, USA.
      - o Selected to be featured in the Adult Reconstruction Knee ePoster Tour
    - Abstract in *The Jefferson Orthopaedic Journal*. 2017, Vol XLVII.
    - Podium presentation at the 35<sup>th</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 1-3, 2016; Oxford, United Kingdom.

- Best Free Paper at the 35<sup>th</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 1-3, 2016; Oxford, United Kingdom.
  - Podium presentation at the 26<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 5-6, 2016; Charlotte, NC, USA.
39. Gelhorn HL, Anand SB, Parvizi J, Morrison T, Yu H, Pokrzywinski R, Al-Jassar G, Cox A, Dashiell-Aje E, **Chen AF**. *The Burden of Illness, Impact and Costs Associated with Post-Operative Infections: The Patient Perspective*.
- Poster presentation at the 35<sup>th</sup> European Bone & Joint Infection Society (EBJIS) meeting. September 1-3, 2016; Oxford, United Kingdom.
  - Podium presentation at the 26<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 5-6, 2016; Charlotte, NC, USA.
40. Gelhorn HL, Anand SB, Parvizi J, Morrison T, Yu H, Pokrzywinski R, Al-Jassar G, Cox A, Dashiell-Aje E, **Chen AF**. *Qualitative Interviews Versus Social Media Searches: Comparing Two Approaches For Concept Elicitation*.
- Poster presentation at ISPOR 21<sup>st</sup> Annual International Meeting. May 21-25, 2016; Washington, DC, USA.
41. Rezapoor M, Tan T, **Chen AF**, Parvizi J. *Incise Draping (Ioban) Is Protective Against Surgical Site Contamination during Hip Surgery: A Prospective, Randomized Trial*.
- Podium presentation at the 26<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 5-6, 2016; Charlotte, NC, USA.
42. **Chen AF**, Beredjikian P, Abboud J, Fertala A. *Aberrant Collagen Fibril Arrangement in a Rabbit Model of Arthrofibrosis*.
- Poster presentation at the 13<sup>th</sup> International Cartilage Repair Society (ICRS). September 24-27, 2016; Sorrento, Italy.
  - Poster presentation at the 17<sup>th</sup> European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA) Congress. May 4-7, 2016; Barcelona, Spain.
43. Tan TL, Kheir MM, Modi R, Penny GS, Chen C, Shao H, Parvizi J, **Chen AF**. *Dwarfism in Total Knee Arthroplasty: Does Size Matter?*
- Poster presentation at the 17<sup>th</sup> European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA) Congress. May 4-7, 2016; Barcelona, Spain.
  - Poster presentation at The Pennsylvania Orthopaedic Society (POS). October 15-16, 2015; Philadelphia, PA, USA.
44. Dombrowski ME, Murawski CD, Yasui Y, **Chen AF**, Kennedy JG, Hogan MV. *Medical Co-Morbidities Are Associated with Increased Cost, Infection Rates, and Duration of Treatment after Primary Achilles Tendon Repair*.
- Podium presentation at the American Orthopaedic Foot & Ankle Society (AOFAS) meeting. July 20-23, 2016; Toronto, Canada.
  - Poster presentation at the 17<sup>th</sup> European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA) Congress. May 4-7, 2016; Barcelona, Spain.
45. **Chen AF**, Hozack WJ, Heller S, Pozek J-P, Wenzel JT, Beausang DH, Kaufmann MW, Baratta JL. *A Randomized Controlled Trial Comparing Adductor Canal and Intra-articular Catheters for Pain Management after Primary Total Knee Arthroplasty*.
- Podium presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
  - Podium presentation at *The Knee Society – Members* meeting. September 24-26, 2015; San Francisco, CA, USA.
46. Tan TL, Maltenfort MG, **Chen AF**, Shahi A, Higuera C, Siqueira M, Hansen EN, Sing DC, Parvizi J. *Efficacy of Venous Thromboembolism Prophylaxis in Total Joint Arthroplasty based on Risk Stratification: Should Potent Anticoagulation be used in Higher Risk Patients?*
- Poster presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Poster presentation at The Pennsylvania Orthopaedic Society (POS). October 15-16, 2015; Philadelphia, PA, USA.
47. Goyal N, Padgett SE, **Chen AF**, Tan T, Kheir M, Hopper R, Hamilton WG, Hozack WJ. *A Multi-Center, Prospective, Randomized Study of Outpatient versus Inpatient Total Hip Arthroplasty*.
- Podium presentation at the Winter Meeting of *The Hip Society*. March 5, 2016; Orlando, FL, USA.



- Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Podium presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
  - Podium presentation at *The Hip Society – Members* meeting. October 15-17, 2015; Sonoma, CA, USA.
48. Chalmers PN, Kayupov E, Sporer SM, Moric M, Berend KR, Morris MJ, Deirmengian G, Parvizi J, Austin MS, **Chen AF**, Della Valle CJ. *Articulating vs. Static Spacers in the Management of Periprosthetic Sepsis after Total Knee Arthroplasty: A Randomized Clinical Trial.*
- Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Podium presentation at *The Open Knee Society* meeting. March 5, 2016; Orlando, FL, USA.
  - Podium presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
49. Dieter W, **Chen AF**, Fox T, Mattioli J, Cummings R. *An Innovative Model for Postoperative Rehabilitation in Total Joint Arthroplasty.*
- Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
50. Zmistowski B, Manrique J, Patel R, **Chen AF**. *Recurrent Periprosthetic Joint Infection after Irrigation and Debridement with Component Retention is Most Often Due to Identical Organisms.*
- Poster presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
  - Podium presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
  - Podium presentation at 46<sup>th</sup> *Eastern Orthopaedic Association (EOA) Annual Meeting*. June 17-20, 2015; Maui, HI, USA.
51. Tan TL, Maltenfort MG, **Chen AF**, Shahi A, Higuera C, Siqueira M, Hansen EN, Sing DC, Parvizi J. *Efficacy of Venous Thromboembolism Prophylaxis in Total Joint Arthroplasty based on Risk Stratification: Should Potent Anticoagulation be used in Higher Risk Patients?*
- Poster presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
52. Yoo JH, Restrepo C, **Chen AF**, Parvizi J. *Routine Work-up of Patients with Postoperative Pyrexia following Total Joint Arthroplasty is Not Necessary.*
- Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Poster presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA. American Association of Hip and Knee Surgeons Poster Award
53. Higgs GB, MacDonald DW, **Chen AF**, Klein GR, Hamlin BR, Lee G-C, Mont MA, Cates HE, Malkani AL, Kraay MJ, Gilbert JL, Rimnac CR, Kurtz SM. *Does Taper Size Have an Effect on Taper Damage in Retrieved Total Hip Devices?*
- Podium presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
  - Poster presentation at the *Orthopaedic Research Society (ORS)* meeting. March 28-31, 2015; Las Vegas, NV, USA.
54. Tan TL, Springer BD, Ruder J, Ruffalo M, Diaz-Ledezma C, Parvizi J, **Chen AF**. *Administration of Vancomycin to Patients with a Reported Penicillin Allergy during Total Joint Arthroplasty Results in a Higher Rate of Infection with Resistant Organisms.*
- Poster presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Poster presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
  - Podium presentation at the 34<sup>th</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 10-12, 2015; Estoril, Portugal.
  - Podium presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.

55. Tan TL, Tischler E, Fillipone E, Tan DD, Shahi A, Kheir MM, **Chen AF**. *Chronic Kidney Disease Linearly Predicts Outcomes After Elective Total Knee Arthroplasty*.
- Poster presentation at the 17<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 4-7, 2016; Barcelona, Spain.
  - Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Poster presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
  - Poster presentation at The Pennsylvania Orthopaedic Society (POS). October 15-16, 2015; Philadelphia, PA, USA.
  - Podium presentation at the European Knee Association (EKA) meeting. June 19-20, 2015. Geneva, Switzerland.
56. Tan TL, Maltenfort MG, **Chen AF**, Shahi A, Madden A, Parvizi J. *Development of a Preoperative Risk Calculator for Periprosthetic Joint Infection after Total Knee Arthroplasty*.
- Podium presentation at the 17<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 4-7, 2016; Barcelona, Spain.
  - Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Poster presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
  - Poster presentation at The Pennsylvania Orthopaedic Society (POS). October 15-16, 2015; Philadelphia, PA, USA.
  - Podium presentation at the 34<sup>th</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 10-12, 2015; Estoril, Portugal.
  - Podium presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
  - Podium presentation at the European Knee Association (EKA) meeting. June 19-20, 2015. Geneva, Switzerland.
57. Tan TL, Manrique J, Gomez MM, **Chen AF**, Parvizi J. *Positive Cultures during the Reimplantation Stage of Two-Stage Exchange Arthroplasty*.
- Poster presentation highlighted in the Poster Tour at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Poster presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
  - Podium presentation at the 34<sup>th</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 10-12, 2015; Estoril, Portugal.
  - Podium presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
  - Poster presentation at 46<sup>th</sup> Eastern Orthopaedic Association (EOA) Annual Meeting. June 17-20, 2015; Maui, HI, USA.
  - Podium presentation at the Colombian National Meeting of Orthopedics. May 20-23, 2015; Cartagena, Columbia.
58. Parvizi J, Huang R, Restrepo C, **Chen AF**, Austin MS, Hozack WJ, Lonner JH. *Low Dose Aspirin Is Effective for Venous Thromboembolism Prophylaxis Following Total Joint Arthroplasty*.
- Poster presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
  - Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 24-28, 2015; Las Vegas, NV, USA.
59. MacDonald DW, Schachtner J, **Chen AF**, Klein G, Mont M, Kraay M, Malkani A, Hamlin B, Rinnac C, Kurtz S. *Wear and Oxidation of Retrieved, Long-Term, 1st Generation HXLPE Components in THA*.
- Poster presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
60. Kazarian GS, Woodward L, Viola J, Lonner J, Hozack WJ, **Chen AF**. *Improvement in Sexual Activity and Kneeling After Total Knee Arthroplasty*.
- Poster presentation at the 17<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 4-7, 2016; Barcelona, Spain.
  - Podium presentation at The Pennsylvania Orthopaedic Society (POS). October 15-16, 2015; Philadelphia, PA, USA.

61. Tischler EH, Matsen Ko L, Schroeder J, **Chen AF**, Maltenfort MG, Austin MS. *Smoking Increases the Rate of Reoperation within 90 Days After Primary Total Joint Arthroplasty.*
  - Podium presentation at the Hip Society 2016 Members (Closed) Meeting. October 27-29, 2016; Boston, MA, USA.
  - Poster presentation at the 26<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 10-13, 2015; Dallas, TX, USA.
  - Podium presentation at The Pennsylvania Orthopaedic Society (POS). October 15-16, 2015; Philadelphia, PA, USA.
62. Rezapoor M, **Chen AF**, Jacek E, Daryoush T, Maltenfort MG, Parvizi J. *Factors Influencing Operating Room Air Quality: A Prospective Observational and Simulated Study.*
  - Podium presentation at 47<sup>th</sup> Eastern Orthopaedic Association (EOA) Annual Meeting. October 19-22, 2016. New Orleans, LA, USA.
  - Podium presentation at *The Hip Society – Members meeting.* October 15-17, 2015; Sonoma, CA, USA.
  - Podium presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
63. Kayupov E, Chalmers PN, Deirmengian G, Parvizi J, Sporer SM, Moric M, Okroj K, Tan T, **Chen AF**, Della Valle CJ. *A Multi-Center Randomized Clinical Trial Of Articulating And Static Spacers For Periprosthetic Hip Infection.*
  - Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Poster presentation at the 25<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 5-8, 2015; Dallas, TX, USA.
  - Podium presentation at *The Hip Society – Members meeting.* October 15-17, 2015; Sonoma, CA, USA.
  - Podium presentation at *The International Hip Society – Members meeting.* September 10-12, 2015; Chicago, IL, USA.
64. Meneghini RM, Elston A, **Chen AF**, Kheir MM, Fehring TK, Springer BD. *The Direct Anterior Approach Is A Risk Factor For Early Failure In Cementless Total Hip Arthroplasty: A Multi-Center Study.*
  - Podium presentation at the International Society for Technology in Arthroplasty (ISTA) meeting. October 5-8, 2016; Boston, MA, USA.
  - Podium presentation at *International Congress for Joint Reconstruction (ICJR) Pan Pacific* meeting. August 10-13, 2016; Kona, HI, USA.
  - Podium presentation at the *Mid-America Orthopaedic Association (MAOA)* meeting. April 13-17, 2016; Bonita Springs, FL, USA.
  - Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Podium presentation at *The Hip Society – Members meeting.* October 15-17, 2015; Sonoma, CA, USA.
65. Frank JM, Kayupov E, Deirmengian GK, Moric M, Segreti J, Austin MS, Sporer S, Hartman CW, Garvin KL, Purtill JJ, Parvizi J, Vail T, Hansen E, **Chen AF**, Backstein D, Tan TL, Dalury D, Mont M, Della Valle CJ. *Oral Antibiotics Reduce Reinfection Following 2-Stage Exchange: A Multi-Center, Randomized Controlled Trial.*
  - Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Podium presentation at *The International Hip Society – Members meeting.* September 10-12, 2015; Chicago, IL, USA.
66. Gomez M, Manrique J, Tan TJ, **Chen AF**, Parvizi J. *Patients with Failed Prior Two–Stage Exchange have Poor Outcomes following further Surgical Intervention.*
  - Podium presentation at the 34<sup>th</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 10-12, 2015; Estoril, Portugal.
  - Podium presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
67. Rezapoor M, Nicholson T, Patel R, Mostafavi R, **Chen AF**, Parvizi J. *Do Iodine–based Solutions differ in their Effectiveness for Decolonizing Intranasal Staphylococcus aureus?*
  - Podium presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
68. Tan TL, Kheir MM, Ghanem E, Collins K, Gotoff J, **Chen AF**. *Total Joint Arthroplasty in Septic Arthritis: What Influences Outcomes?*

- Podium presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
69. Shahi A, Kheir MM, Tan TL, **Chen AF**, Parvizi J. *D-dimer: A Potential Serum Biomarker for Diagnosis of Periprosthetic Joint Infection*.
- Abstract in *The Jefferson Orthopaedic Journal*. 2017, Vol XLVII.
  - Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Poster presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
70. Millhouse P, Miller A, Liu A, Vaccaro A, Kepler C, **Chen AF**. *Previously Treated Surgical Infections Predispose to Subsequent Multisite Infections*.
- Poster presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
71. Watters T, Penrose C, Bala A, Seyler T, Randell T, **Chen AF**, Bolognesi M. *Total Hip Arthroplasty In Osteoporotic Patients: Medicare Data Review*.
- Podium presentation at the Southern Orthopaedic Association (SOA) Annual Meeting. July 15-18, 2015; Asheville, NC, USA.
72. Randell T, Seyler T, **Chen AF**, Penrose C, Bala A, Bolognesi M. *Complications Following Total Knee Arthroplasty In Patients With Osteoporosis*.
- Poster presentation at the Southern Orthopaedic Association (SOA) Annual Meeting. July 15-18, 2015; Asheville, NC, USA.
73. Desai P, Murawski CD, **Chen AF**, Fraser EJ, Kennedy JG. *Surgical Site Infection Rates After Ankle Arthrodesis - A Large Database Analysis*.
- Podium presentation at the 17<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 4-7, 2016; Barcelona, Spain.
  - Podium presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
  - Podium presentation at 46<sup>th</sup> Eastern Orthopaedic Association (EOA) Annual Meeting. June 17-20, 2015; Maui, HI, USA.
  - Poster presentation at *American Orthopaedic Foot & Ankle Society (AOFAS)* Annual Meeting. July 15-18, 2015; Long Beach, CA, USA.
74. Tan TL, Gomez MM, Restrepo C, **Chen AF**. *Should Preoperative Antibiotics be Tailored According to Patient's Comorbidities?*
- Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Podium presentation at the 34<sup>th</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 10-12, 2015; Estoril, Portugal.
  - Poster presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
  - Poster presentation at 46<sup>th</sup> Eastern Orthopaedic Association (EOA) Annual Meeting. June 17-20, 2015; Maui, HI, USA.
  - Podium presentation at the Colombian National Meeting of Orthopedics. May 20-23, 2015; Cartagena, Columbia.
75. Shahi A, Tan TL, **Chen AF**, Maltenfort MG, Parvizi J. *In Hospital Mortality in Patients with Periprosthetic Joint Infection*.
- Poster presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 1-4, 2016; Orlando, FL, USA.
  - Podium presentation at the 34<sup>th</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 10-12, 2015; Estoril, Portugal.
  - Podium presentation at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
  - Poster presentation at 46<sup>th</sup> Eastern Orthopaedic Association (EOA) Annual Meeting. June 17-20, 2015; Maui, HI, USA.

76. Randell T, Seyler T, **Chen AF**, Penrose C, Bala A, Bolognesi M. *Osteoporosis Patients Outcomes Following Total Knee Arthroplasty: Medicare Data Review*.
- Poster presentation at the 46<sup>th</sup> Eastern Orthopaedic Association (EOA) Annual Meeting. June 17-20, 2015; Maui, HI, USA.
77. Arnholt C, Underwood R, MacDonald DW, Higgs G, **Chen AF**, Klein G, Hamlin B, Lee G-C, Mont M, Cates H, Malkani A, Kraay M, Rimnac C, Kurtz SM. *Micro-Grooved Surface Topography Does Not Influence Fretting Corrosion Of Tapers In THA: Classification And Analysis*.
- Podium presentation at 16<sup>th</sup> European Federation of National Associations of Orthopaedics and Traumatology (EFORT) Congress. May 27-29, 2015; Prague, Czech Republic.
78. Gomez MM, **Chen AF**, Maltenfort MG, Orozco F, Post ZD, Ong A. *Stratification of Liver Failure in Total Joint Arthroplasty Patients*.
- Podium presentation at the Colombian National Meeting of Orthopedics. May 20-23, 2015; Cartagena, Columbia.
79. Shahi AS, **Chen AF**, Maltenfort MG, Kucukdurmaz F, Parvizi J. *The Incidence and Economic Burden of Venous Thromboembolism in the United States*.
- Podium presentation at the American Academy of Orthopaedic Surgeons (AAOS) meeting. March 24-28, 2015; Las Vegas, NV, USA.
80. Heller S, **Chen AF**, Albert E, Hozack WJ. *Tourniquet Release before Dressing Application Reduced Blistering in Total Knee Arthroplasty*.
- Podium presentation at the American Academy of Orthopaedic Surgeons (AAOS) meeting. March 24-28, 2015; Las Vegas, NV, USA.
81. Cavanaugh PK, Rasouli MR, **Chen AF**, Maltenfort MG, Post ZD, Orozco F, Ong A. *Total Joint Arthroplasty in Transplant Recipients: In-Hospital Adverse Outcomes*.
- Podium presentation at the American Academy of Orthopaedic Surgeons (AAOS) meeting. March 24-28, 2015; Las Vegas, NV, USA.
  - Podium presentation at 46<sup>th</sup> triennial Société Internationale de Chirurgie Orthopédique et de Traumatologie (SICOT) meeting. November 19-22, 2014; Rio de Janeiro, Brazil.
82. **Chen AF**, Post ZD, Maltenfort MG, Orozco FR, Ong AC. *Higher Morbidity and Mortality After Femoral Neck Fracture in Patients with Chronic Liver Failure*.
- Podium presentation at 46<sup>th</sup> triennial Société Internationale de Chirurgie Orthopédique et de Traumatologie (SICOT) meeting. November 19-22, 2014; Rio de Janeiro, Brazil.
  - Podium presentation at the 45<sup>th</sup> Eastern Orthopaedic Association (EOA) meeting. October 22-25, 2014; Amelia Island, FL, USA.
83. **Chen AF**, Post ZD, Maltenfort MG, Orozco FR, Ong AC. *Higher Mortality and Length of Stay After Hip Fracture in Chronic Renal Failure Patients*.
- Podium presentation at 46<sup>th</sup> triennial Société Internationale de Chirurgie Orthopédique et de Traumatologie (SICOT) meeting. November 19-22, 2014; Rio de Janeiro, Brazil.
  - Podium presentation at the 45<sup>th</sup> Eastern Orthopaedic Association (EOA) meeting. October 22-25, 2014; Amelia Island, FL, USA.
84. **Chen AF**, Fleischman A, Enayatollahi A, Manrique J, Parvizi J, Hozack WJ, Austin MS. *The Direct Anterior Approach May Predispose to Early Mechanical Failure During the Learning Curve*.
- Poster presentation at the 24<sup>th</sup> annual American Academy of Hip and Knee Surgeons (AAHKS) meeting. November 6-9, 2014; Dallas, TX, USA.
85. **Chen AF**, Chinnakkannu K, Low S, Orozco F, Ong A, Post ZD. *Anteversión in Direct Anterior Total Hip Arthroplasty*.
- Poster presentation at the 24<sup>th</sup> annual American Academy of Hip and Knee Surgeons (AAHKS) meeting. November 6-9, 2014; Dallas, TX, USA.

86. Cavanaugh P, **Chen AF**, Maltenfort MG, Rasouli MR, Post ZD, Orozco F, Ong A. *Complications and Mortality in Chronic Renal Failure Patients Undergoing Total Joint Arthroplasty: a Comparison Between Dialysis and Renal Transplant Patients*.
- Poster presentation at the 24<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 6-9, 2014; Dallas, TX, USA.
87. Shahi AS, Deirmengian CA, Higuera CA, **Chen AF**, Restrepo C, Zmistowski B, Parvizi J. *Premature Antibiotic Treatment Can Potentially Compromise The Diagnosis of PJI*.
- Podium presentation at the 24<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 6-9, 2014; Dallas, TX, USA.
  - Podium presentation at the 24<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 8-9, 2014; Charleston, SC, USA.
88. Bitar D, **Chen AF**, Hozack WJ. *Routine Postoperative Laboratory Studies After Total Hip Arthroplasty: Are They Necessary?*
- Poster presentation at the 24<sup>th</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 6-9, 2014; Dallas, TX, USA.
89. **Chen AF**, Cavanaugh PK, Parvizi J. *Method of Tissue Sampling May Have an Effect on Contamination Risk*.
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90. Manrique J, **Chen AF**, Gomez MM, Maltenfort MG, Hozack WJ. *Complications in Underweight Total Knee Arthroplasty Patients*.
- Podium presentation at the Colombian National Meeting of Orthopedics. May 20-23, 2015; Cartagena, Columbia.
  - Podium presentation at the 24<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 8-9, 2014; Charleston, SC, USA.
91. Yagi H, **Chen AF**, Rothenberg AC, Alexander PG, Tuan RS. *Adult Mesenchymal Stem Cells Potentiated by Lipopolysaccharides as an Adjunct Therapy for Treating Infections*.
- Abstract in *The Pittsburgh Orthopaedic Journal*. 2014, Vol 25.
92. Jacobs LJ, **Chen AF**, Kang JD, Lee JY. *Simple MRI Based Grading System for Cervical Spine Disc Degeneration*.
- Abstract in *The Pittsburgh Orthopaedic Journal*. 2014, Vol 25.
93. **Chen AF**, Xu PZ, Rothrauff B, Klatt BN, Klatt BA. *Foley Catheters are Unnecessary and Result in More Urological Complications in Total Joint Arthroplasty*.
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  - Podium presentation at the 15<sup>th</sup> *European Federation of National Associations of Orthopaedics and Traumatology (EFORT) Congress*. June 4-6, 2014; London, United Kingdom.
  - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 11-15, 2014; New Orleans, LA, USA.
  - Abstract in *The Pittsburgh Orthopaedic Journal*. 2014, Vol 25.
  - Podium presentation at the 55<sup>th</sup> *Society of Military Orthopaedic Surgeons (SOMOS)* meeting. December 9-13, 2013; Vail, Colorado, USA.
94. **Chen AF**, Xu PZ, Rothrauff B, Waters JH, Klatt BA. *Malnourished Primary Total Joint Arthroplasty Patients Have Increased Transfusion and Infection Rates*.
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  - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 11-15, 2014; New Orleans, LA, USA.

- Abstract in *The Pittsburgh Orthopaedic Journal*. 2014, Vol 25.
  - Podium presentation at the 55<sup>th</sup> *Society of Military Orthopaedic Surgeons (SOMOS)* meeting. December 9-13, 2013; Vail, Colorado, USA.
95. **Chen AF**, Greenbaum J, Restrepo C, Maltenfort M, Parvizi J. *Surgical Case Order In Total Joint Arthroplasty Has No Effect On Infection Risk*.
- Podium presentation at the 45<sup>th</sup> *Eastern Orthopaedic Association (EOA)* meeting. October 22-25, 2014; Amelia Island, FL, USA.
  - Podium presentation at the 24<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 8-9, 2014; Charleston, SC, USA.
  - Podium presentation at the 16<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 14-17, 2014; Amsterdam, Netherlands.
  - Poster presentation at the 15<sup>th</sup> *European Federation of National Associations of Orthopaedics and Traumatology (EFORT)* Congress. June 4-6, 2014; London, United Kingdom.
  - Abstract in *The Jefferson Orthopaedic Journal*. 2014, Vol XLIV.
96. **Chen AF**, Rasouli MR, Vegari D, Huang R, Maltenfort M, Parvizi J. *Ideal Time Frame For Performing Staged Bilateral Total Knee Arthroplasty*.
- Poster presentation at the 15<sup>th</sup> *European Federation of National Associations of Orthopaedics and Traumatology (EFORT)* Congress. June 4-6, 2014; London, United Kingdom.
97. **Chen AF**, Murawski CD, Fu FH. *Radiographic Femoral Condyle Width Correlates To ACL Insertion Site Size*.
- Abstract in *The Pittsburgh Orthopaedic Journal*. 2014, Vol 25.
  - Poster presentation at the 16<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 14-17, 2014; Amsterdam, Netherlands.
  - Poster presentation at the 15<sup>th</sup> *European Federation of National Associations of Orthopaedics and Traumatology (EFORT)* Congress. June 4-6, 2014; London, United Kingdom.
98. Rasouli MR, Cavanaugh PK, **Chen AF**, Maltenfort M, Post ZD, Orozco FR, Parvizi J, Ong A. *Complications And Mortality In Chronic Renal Failure Patients Undergoing Total Joint Arthroplasty: A Comparison Between Hemodialysis And Renal Transplant Patients*.
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  - Abstract in *The Jefferson Orthopaedic Journal*. 2014, Vol XLIV.
99. Ku P, Maltenfort M, **Chen AF**, Rasouli MR, Post Z, Orozco F, Parviz J, Ong A. *Organ Transplant And Total Joint Arthroplasty*.
- Podium presentation at the 15<sup>th</sup> *European Federation of National Associations of Orthopaedics and Traumatology (EFORT)* Congress. June 4-6, 2014; London, United Kingdom.
100. **Chen AF**, Cafardi SG, Klatt BA, Cohen PZ. *Day of Surgery Determines Length of Stay in Total Joint Arthroplasty*.
- Poster presentation at the 23<sup>rd</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 8-10, 2013; Dallas, TX, USA.
  - Poster presentation at the *Pennsylvania Orthopaedic Society (POS)* fall scientific meeting. October 10-11, 2013; State Collage, PA, USA.
101. van Eck C, **Chen AF**, Yates AJ. *Positive Outcome Bias in the Total Joint Arthroplasty Literature: The Effect of the Department of Justice Agreements with Implant Manufacturers*.
- Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 24-28, 2015; Las Vegas, NV, USA.
  - Abstract in *The Pittsburgh Orthopaedic Journal*. 2014, Vol 25.
  - Podium presentation at the 16<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 14-17, 2014; Amsterdam, Netherlands.
  - Podium presentation at the 127<sup>th</sup> *AOA/COA Combined Meeting*. June 18-21, 2014; Montreal, Quebec, Canada.

- Poster presentation at the 23<sup>rd</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 8-10, 2013; Dallas, TX, USA.
  - Poster presentation at the *Pennsylvania Orthopaedic Society (POS)* fall scientific meeting. October 10-11, 2013; State Collage, PA, USA.
102. **Chen AF**, Cafardi SG, Klatt BA, Cohen PZ. *Length of Stay and Day of Surgery in Total Knee Arthroplasty*.
- Poster presentation at the 16<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 14-17, 2014; Amsterdam, Netherlands.
  - Podium Presentation at the 44<sup>th</sup> annual *Eastern Orthopaedic Association (EOA)* meeting. October 30 – November 2, 2013; Miami, FL, USA.
  - Abstract in *The Pittsburgh Orthopaedic Journal*. 2013, Vol 24.
103. **Chen AF**, Schreiber VM, Washington W, Kolia N, Mosier B, Saltarski C, Sherbondy M, Peticca K, Farrell D, Rao N, Altman G, Evans AR. *Increased MRSA Infections in Open Fractures Compared To Closed Fractures*.
- Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 11-15, 2014; New Orleans, LA, USA.
  - Poster presentation at the *American College of Surgeons (ACS)* meeting. October 6-10, 2013; Washington, DC, USA.
104. Deirmengian CA, **Chen AF**. *Diagnosing PJI: The Era of the Biomarker has Arrived*.
- Podium presentation at the 32<sup>nd</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 12-14, 2013; Prague, Czech Republic.
105. Costanzo JA, Tokarski A, Uhr A, Patel R, **Chen AF**, Deirmengian CA, Deirmengian GK. *Mechanical Complications of Hip and Knee Spacers are Common*.
- Podium presentation at the 32<sup>nd</sup> *European Bone & Joint Infection Society (EBJIS)* meeting. September 12-14, 2013; Prague, Czech Republic.
106. **Chen AF**, Farber NJ, Zammerilla LL, Nowicki AL, Rao N, Kang JD, Lee JY, Donaldson WF. *Increased Sensitivity of Detecting MSSA Colonization Using Groin and Gluteal Cleft Swabs*.
- Podium presentation at the 23<sup>rd</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 2-3, 2013; Philadelphia, PA, USA.
107. **Chen AF**, Farber NJ, Zammerilla LL, Nowicki AL, Rao N, Kang JD, Lee JY, Donaldson WF. *Staphylococcus Decolonization in Elective Spine Surgery is Effective*.
- Podium presentation at the 23<sup>rd</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 2-3, 2013; Philadelphia, PA, USA.
  - Poster presentation at The International Society for the Study of the Lumbar Spine (ISSLS) meeting. May 13-17, 2013; Scottsdale, AZ, USA.
  - Abstract in *The Pittsburgh Orthopaedic Journal*. 2013, Vol 24.
108. **Chen AF**, Heyl AE, Xu PZ, Rao N, Klatt BA. *Staphylococcus Decolonization in Total Knee Arthroplasty is Effective*.
- Poster presentation at the 16<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 14-17, 2014; Amsterdam, Netherlands.
109. **Chen AF**, Heyl AE, Xu PZ, Rao N, Klatt BA. *Staphylococcus Decolonization in Total Joint Arthroplasty is Effective*.
- Podium presentation at the *Pennsylvania Orthopaedic Society (POS)* fall scientific meeting. October 10-11, 2013; State Collage, PA, USA.
  - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 19-23, 2013; Chicago, IL, USA.
  - Featured presentation in the Annual Meeting Daily Editions of AAOS Now. March 21, 2013; Chicago, IL, USA
  - Abstract in *The Pittsburgh Orthopaedic Journal*. 2013, Vol 24.
  - Podium presentation at the 22<sup>nd</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 2-4, 2012; Dallas, TX, USA.



- Poster presentation at the Pennsylvania Medical Society House of Delegates meeting. October 27-28, 2012; Hershey, PA, USA.
110. Farber N, **Chen AF**, Foster J, Klatt BA. *Infection Rates Unchanged With The Use Of 2% Chlorhexidine Gluconate-Impregnated Wipes In Total Joint Arthroplasty.*
    - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 19-23, 2013; Chicago, IL, USA.
    - Podium Presentation at the 22<sup>nd</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 10-11, 2012; San Antonio, TX, USA.
    - Podium Presentation at the 43<sup>rd</sup> annual *Eastern Orthopaedic Association (EOA)* meeting. June 20-23, 2012; Bolton Landing, NY, USA.
    - Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
  111. Klatt BA, Pigott MT, Farber N, Huang Y, **Chen AF**. *Use of Nerve Blocks after Total Joint Arthroplasty Leads to Increased Rate of Falls.*
    - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 19-23, 2013; Chicago, IL, USA.
    - Featured presentation in the Annual Meeting Daily Editions of AAOS Now. March 20, 2013; Chicago, IL, USA
    - Abstract in *The Pittsburgh Orthopaedic Journal*. 2013, Vol 24.
    - Poster presentation at the 22<sup>nd</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 2-4, 2012; Dallas, TX, USA.
  112. Woods BI, **Chen AF**, Waters JH, Donaldson WF, Kang JD, Lee JY. *The Association between Allogenic Transfusion Volume and Infection Rates following Spine Surgery.*
    - Abstract in *The Pittsburgh Orthopaedic Journal*. 2014, Vol 25.
    - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 19-23, 2013; Chicago, IL, USA.
    - Featured presentation in the Annual Meeting Daily Editions of AAOS Now. March 21, 2013; Chicago, IL, USA
    - Podium Presentation at the *OREF/ORS Southeast Region Resident Research Symposium*. June 1, 2012; Columbus, SC, USA.
  113. Evan JL, **Chen AF**, Lee JY. *Imaging Characteristics of Dynamic" versus "Static" Spondylolisthesis.*
    - Podium presentation at the 28<sup>th</sup> annual *North American Spine Society (NASS)* meeting. October 9-12, 2013; New Orleans, LA, USA.
    - Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 19-23, 2013; Chicago, IL, USA.
  114. Zmistowski B, Tetreault M, Alijanipour P, **Chen AF**, Della Valle C, Parvizi J. *Recurrent Periprosthetic Joint Infection: Persistent or New Infection?*
    - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 19-23, 2013; Chicago, IL, USA.
    - Podium Presentation at the 22<sup>nd</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 10-11, 2012; San Antonio, TX, USA.
  115. Lunardini DJ, Eskander MS, Even JL, Dunlap JT, **Chen AF**, Lee JY, Ward WT, Kang JD, Donaldson WF. *CSRS-members survey of vertebral artery injuries.*
    - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 19-23, 2013; Chicago, IL, USA.
    - Poster presentation at the Cervical Spine Research Society (CSRS) meeting. December 6-8, 2012; Chicago, IL, USA.
  116. Oppenheim IJ, Greve DW, **Chen AF**. *A Flexible Insert for Wireless Strain Sensing.*
    - Podium presentation at the SPIE Smart Structures/NDE Conference for Sensors and Smart Structures Technologies for Civil, Mechanical, and Aerospace Systems. *SPIE* 8695. March 10-14, 2013; San Diego, CA, USA.
  117. **Chen AF**, Cafardi SG, Klatt BA, Cohen PZ. *Day of Surgery and Length of Stay in Total Hip Arthroplasty.*
    - Abstract in *The Pittsburgh Orthopaedic Journal*. 2013, Vol 24.
  118. **Chen AF**, Tuan RS. *Lipopolysaccharide Potentiation of Adult Mesenchymal Stem Cells as an Adjunct Therapy for Treating Infections.*

- Abstract in *The Pittsburgh Orthopaedic Journal*. 2013, Vol 24.
119. Jacobs LJ, Woods BI, Hohl J, **Chen AF**, Lee JY. *Timing of Thromboembolic Chemoprophylaxis in Postoperative Spinal Trauma Patients*.
    - Poster presentation at the Cervical Spine Research Society (CSRS) meeting. December 6-8, 2012; Chicago, IL, USA.
    - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. February 7-11, 2012; San Francisco, CA, USA.
  120. Yazer MH, Barr TM, **Chen AF**, Waters JH, Silverman JF, Triulzi DJ. *Prevalence of Pre-Operative Anemia in Elective Orthopedic Surgery Patients*.
    - Poster presentation at the 65<sup>th</sup> annual *AABB* meeting. October 6-9, 2012; Boston, MA, USA.
  121. Greve D, Oppenheim I, **Chen AF**. *An instrumented intermedullary implant to monitor strain in fracture healing*.
    - Podium Presentation at the 2012 IEEE International Ultrasonics Symposium (IUS). October 7-10, 2012; Dresden, Germany.
  122. **Chen AF** and Tuan RS. *In vitro Testing of Adult Mesenchymal Stem Cells as an Adjunct Therapy for Treating Periprosthetic Joint Infections*.
    - Podium Presentation at the 22<sup>nd</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 10-11, 2012; San Antonio, TX, USA.
    - Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
    - Poster Presentation at the *Orthopaedic Research Society (ORS)* meeting. February 4-7, 2012; San Francisco, CA, USA.
  123. **Chen AF**, Schreiber VM, Washington W, Rao N, Evans AR. *Increasing Rate of MRSA Infections in Open Fractures*.
    - Abstract in *The Pittsburgh Orthopaedic Journal*. 2013, Vol 24.
    - Podium Presentation at the 22<sup>nd</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 10-11, 2012; San Antonio, TX, USA.
  124. **Chen AF**, Bi W, Singhabahu D, Londino J, Hohl J, Ward M, Ward WT. *Converting SRS-24 to SRS-22r in a Surgical Range, Non-operated Adolescent Idiopathic Scoliosis Patient Cohort*.
    - Abstract in *The Pittsburgh Orthopaedic Journal*. 2013, Vol 24.
    - Podium presentation at the *Spine Across the Sea* meeting (North American Spine Society [NASS] and the Japanese Society for Spine Surgery and Related Research [JSSR]). July 29-August 2, 2012; Kauai, HI, USA.
  125. Pigott MT, **Chen AF**, Lunardini DJ, Klatt BA. *Radiographic and Clinical Limb Length Discrepancy Do Not Correlate With Patient Perception*.
    - Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
    - Poster Presentation at the 43<sup>rd</sup> annual *Eastern Orthopaedic Association (EOA)* meeting. June 20-23, 2012; Bolton Landing, NY, USA.
  126. Lunardini DJ, Spina N, Ayyash O, **Chen AF**, Lee JY. *An evaluation of the safety and complications of pharmacologic VTE prophylaxis after spine surgery*.
    - Podium Presentation at the *OREF/ORS Southeast Region Resident Research Symposium*. June 1, 2012; Columbus, SC, USA.
    - Podium presentation at the *Lumbar Spine Research Society (LSRS)* meeting. April 26-7, 2012; Chicago, IL, USA.
  127. **Chen AF**, Pigott M, Tetreault MW, Crossett LS, Klatt BA. *Rim Screw Fixation In Revision Total Hip Arthroplasty*.
    - Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
  128. **Chen AF**, Pigott M, McClain EJ, Klatt BA. *Serum Cobalt and Chromium levels from a Single Metal-on-Metal Total Hip Arthroplasty Implant*.
    - Podium presentation at the *American Society for Testing and Materials (ASTM)* meeting on the Metal-On-Metal Total Hip Replacement Devices Symposium. May 8, 2012; Phoenix, AZ, USA.
    - Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
  129. **Chen AF**, Klatt BA, Yazer MH, Waters JH. *Blood Utilization After Total Knee Arthroplasty In A Large Hospital Network*.

- Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. February 7-11, 2012; San Francisco, CA, USA.
  - Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
  - Poster presentation at the 21<sup>st</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 4-6, 2011; Dallas, TX, USA.
  - Poster presentation at the 64<sup>th</sup> annual *AABB* meeting. October 22-25, 2011; San Diego, CA, USA.
130. **Chen AF**, Klatt BA, Yazer MH, Waters JH. *Variation in Blood Utilization After Total Hip Arthroplasty (THA) In A Regional Hospital Network*.
- Poster presentation highlighted in the Poster Tour at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. February 7-11, 2012; San Francisco, CA, USA.
  - Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
  - Poster presentation at the 64<sup>th</sup> annual *AABB* meeting. October 22-25, 2011; San Diego, CA, USA.
131. **Chen AF**, Choi LE, Colman MW, Goodman MG, Crossett LS, Tarkin IS, McGough RL. *Failure Of Total Knee Arthroplasty Periprosthetic Femur Fracture Fixation Using Plating Techniques*.
- Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
  - Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. February 7-11, 2012; San Francisco, CA, USA.
132. Boretsky K, **Chen A**, Roach J, Visoiu M, Cassara A, Cladis F, Boretsky K. *Implementation of a Pediatric Acute Pain Service and the Effects of a Pain Service on Opioid Consumption in Selected Orthopedic Patients*.
- Podium presentation at the 37<sup>th</sup> Annual Regional Anesthesia Meeting and Workshops. March 15-18, 2012, San Diego, CA, USA.
133. Colman MW, Choi LE, **Chen AF**, Goodman MG, Crossett LS, Tarkin IS, McGough RL. *Proximal femoral replacement in the acute management of periprosthetic fractures of the hip*.
- Poster presentation at the 28<sup>th</sup> annual Orthopaedic Trauma Association (OTA) meeting. October 3-6, 2012; Minneapolis, MN, USA.
  - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. February 7-11, 2012; San Francisco, CA, USA.
  - Poster presentation at the 21<sup>st</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 4-6, 2011; Dallas, TX, USA.
134. **Chen AF**, Chivukla S, Jacobs LJ, Tetreault MW, Lee JY. *Methicillin-resistant Staphylococcus aureus (MRSA) Colonization in Elective Spine Cases*.
- Featured in *AAOS Headline News Now*, March 28, 2012.
  - Alternate podium presentation and Poster presentation highlighted in the Poster Tour at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. February 7-11, 2012; San Francisco, CA, USA.
  - Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
  - Podium presentation at the 21<sup>st</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 5-6, 2011; Rochester, MN, USA.
135. Choi LE, Colman MW, **Chen AF**, Goodman MG, Crossett LS, Tarkin IS, McGough RL. *Megaprotheses in the Treatment of Periprosthetic Femur Fractures After Total Knee Arthroplasty Compared to Traditional Fixation Techniques*.
- Poster presentation at the 21<sup>st</sup> annual *American Academy of Hip and Knee Surgeons (AAHKS)* meeting. November 4-6, 2011; Dallas, TX, USA.
136. **Chen AF**, Shen JY, Stewart MK, Klatt BA. *Preoperative Narcotic Medication Has Minimal Postoperative Effect in Total Joint Arthroplasty (TJA)*.
- Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
  - Podium presentation at the 42<sup>nd</sup> annual *Eastern Orthopaedic Association (EOA)* meeting. October 19-22, 2011; Williamsburg, VA, USA.
  - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. February 15-19, 2011; San Diego, CA, USA.
  - Podium presentation at the 52<sup>nd</sup> *Society of Military Orthopaedic Surgeons (SOMOS)* meeting. December 13-17, 2010; Vail, Colorado, USA.

137. Pigott M, **Chen AF**, Lunardini DJ, Klatt BA. *Neither Radiographic Nor Clinical Limb Length Discrepancy Measurements Correlate With Patient Perception*.  
 - Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.
138. Lunardini DJ, **Chen AF**, Klatt BA. *Radiographic and Clinical Measurements of Limb Length Discrepancy Do Not Correlate*.  
 - Podium presentation at the 42<sup>nd</sup> annual *Eastern Orthopaedic Association (EOA)* meeting. October 19-22, 2011; Williamsburg, VA, USA.
139. **Chen AF**, Ramirez CP, Tetreault MW, Rao N, Klatt BA. *Chronic Antibiotic Suppression Reduces the Recurrence Rate of Periprosthetic Knee Infections*.  
 - Poster presentation at the 42<sup>nd</sup> annual *Eastern Orthopaedic Association (EOA)* meeting. October 19-22, 2011; Williamsburg, VA, USA.  
 - Poster presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. February 15-19, 2011; San Diego, CA, USA.  
 - Podium presentation at the 20<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 6-7, 2010; Marina Del Ray, CA, USA.
140. **Chen AF**, Kinback N, Heyl AE, Klatt BA. *Improved Patient Outcomes For Fusions Compared to Above Knee Amputations*.  
 - Abstract in *The Pittsburgh Orthopaedic Journal*. 2012, Vol 23.  
 - Podium presentation at the 21<sup>st</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 5-6, 2011; Rochester, MN, USA.
141. **Chen AF**, Stewart MK, Heyl AE, Klatt BA. *Physical Therapy on Day of Total Joint Arthroplasty (TJA) Surgery Reduces Length of Hospital Stay*.  
 - Featured in *PT in motion News Now*. March 22, 2012.  
 - Podium presentation at the *OREF/ORS Heartland Resident Research Symposium*. March 18, 2011; St. Louis, MO, USA.  
 - Podium presentation at the *American Academy of Orthopaedic Surgeons (AAOS)* meeting. February 15-19, 2011; San Diego, CA, USA.  
 - Selected by the American Academy of Orthopaedic Surgeons (AAOS) Communications Cabinet to be featured as part of the AAOS media relations program. February 15-19, 2011; San Diego, CA, USA.  
 - Podium presentation at the 52<sup>nd</sup> *Society of Military Orthopaedic Surgeons (SOMOS)* meeting. December 13-17, 2010; Vail, Colorado, USA.  
 - Abstract in *The Pittsburgh Orthopaedic Journal*. 2010, Vol 21, 56.  
 - Poster presentation at the *Institute for Rehabilitation and Research (IRR) Day*. June 2, 2010; Pittsburgh, PA, USA.
142. **Chen AF**, Tetreault MW, Fedorka CJ, Klatt BA. *Malnourishment is Linked with Chronic Infection in Total Joint Arthroplasty*.  
 - Podium presentation at the 52<sup>nd</sup> *Society of Military Orthopaedic Surgeons (SOMOS) Annual Meeting*. December 13-17, 2010; Vail, Colorado, USA.  
 - Abstract in *The Pittsburgh Orthopaedic Journal*. 2010, Vol 21, 57.
143. Fedorka CJ, **Chen A**, McGarry W, Zmistowski B, Heyl A, Klatt BA, Parvizi J. *Above-the-Knee Amputation Following Infected Total Knee Arthroplasty*.  
 - Abstract in *The Pittsburgh Orthopaedic Journal*. 2010, Vol 21, 54.
144. Steele GD, Fedorka CJ, Sanchez-Ortiz A, Heyl A, Crossett LS, **Chen AF**, Klatt BA. *Increased Infection in Solid Organ Transplant Patients with Total Knee Arthroplasties*.  
 - Podium presentation at the 20<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 6-7, 2010; Marina Del Ray, CA, USA.
145. **Chen AF**, Tetreault MW, Fedorka CJ, Rao N, Klatt BA. *Impaired Nutritional Status in MRSA Infected Total Knee and Hip Arthroplasties*.  
 - Podium presentation at the *Pennsylvania Orthopaedic Society (POS)*. October 15-17, 2009; Savannah, GA, USA.  
 - Podium presentation at the 19<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 7-8, 2009; San Diego, CA, USA.
146. **Chen AF**, Davies CM, Lin M, Fermor B. *Increased oxidative DNA damage in porcine osteoarthritic articular*  
 Chen, Antonia F.

*cartilage explants.*

- Poster presentation at the *Orthopaedic Research Society (ORS) Meeting*. March 2-5, 2008; San Francisco, CA, USA.
147. **Chen AF**, Davies CM, Son J, Fermor B. *Nitric oxide donors induce oxidative DNA damage that cannot undergo complete endogenous repair.*
- Poster presentation at the *Orthopaedic Research Society (ORS) Meeting*. March 2-5, 2008; San Francisco, CA, USA.
148. **Chen AF**, Davies CM, Fermor B. *Potential Roles of Reactive Oxygen Species and DNA Damage in Osteoarthritis.*
- Poster presentation at the *National Student Research Forum (NSRF)*. April 26-27, 2007; Galveston, TX, USA.
  - Poster presentation at the *Kewaunee Conference: The Center for Biomolecular and Tissue Engineering*. April 19, 2007; Durham, NC, USA.
  - Poster presentation at the *American Medical Student Association Conference*. March 8, 2007; Washington, DC, USA.
149. Davies CM, Son J, **Chen A**, Guilak F, Weinberg JB, Fermor B. *Oxidative DNA damage in articular cartilage treated with pro-inflammatory cytokines.*
- Poster presentation at the *Arthritis Foundation Conference*. April 20-22, 2007; Stone Mountain, GA, USA.
150. Alan RK, **Chen AF**, Tria AJ. *Accuracy of Electromagnetic Navigation for TKA.*
- Poster presentation at the *Annual American Academy of Orthopaedic Surgeons (AAOS) meeting*. February 13-18, 2007; San Diego, CA, USA.
151. Davies CM, Son J, **Chen A**, Guilak F, Weinberg JB, Fermor B. *Pro-inflammatory cytokines induce NO-mediated DNA damage in articular chondrocytes.*
- Poster presentation at *Keystone Symposia: Genome Instability and Repair*. January 17-22, 2007; Breckenridge, CO, USA.
  - Podium presentation at *Genetics and Environmental Mutagenesis Society (GEMS)*. October 26, 2006; Chapel Hill, NC, USA.
152. **Chen AF**. *Minimally Invasive Surgery – Total Knee Arthroplasty.*
- Poster presentation at the *UMDNJ Medical Student Research Competition*. October 11, 2004; Piscataway, NJ, USA.

## **INVITED LECTURES, INSTRUCTIONAL COURSE LECTURES, AND MODERATING SESSIONS**

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1. **Chen AF**. “Short Stems-What is a Short Stem and Do We Need Them”
  - Podium presentation at the 10<sup>th</sup> Congress of the Chinese Academy of Orthopaedic Surgeons. November 15-18, 2017; Zhuhai, China.
2. **Chen AF**. “Prevention of PJI- You are what You Eat and Smoke”
  - Podium presentation at the 10<sup>th</sup> Congress of the Chinese Academy of Orthopaedic Surgeons. November 15-18, 2017; Zhuhai, China.
3. **Chen AF**. “Robotic Assisted TKA-Is it the Future”
  - Podium presentation at the 10<sup>th</sup> Congress of the Chinese Academy of Orthopaedic Surgeons. November 15-18, 2017; Zhuhai, China.
4. **Chen AF**. “Peri-operative management”
  - Moderator at the 10<sup>th</sup> Congress of the Chinese Academy of Orthopaedic Surgeons. November 15-18, 2017; Zhuhai, China.
5. **Chen AF**. “Robotic Technology in Joint Replacement”
  - Podium presentation at the 10<sup>th</sup> Congress of the Chinese Academy of Orthopaedic Surgeons. November 15-18, 2017; Zhuhai, China.
6. **Chen AF**. “Advances in Periprosthetic Joint Infection”
  - Podium presentation at the 10<sup>th</sup> Congress of the Chinese Academy of Orthopaedic Surgeons. November 15-18, 2017; Zhuhai, China.
7. **Chen AF**. “Best Research Presentations - Part 2”
  - Moderator at the Musculoskeletal Infection Society Specialty Day at the *American Academy of Orthopaedic Surgeons (AAOS) meeting*. March 6-10, 2018; New Orleans, LA, USA.
8. **Chen AF**.
  - Moderator at the ASES/MSIS Combined Specialty Day Meeting
9. **Chen AF**. “Is Medical Clearance Enough? Patient Optimization for Preventing Periprosthetic Joint Infection.”

- Instructional Course Lecture at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 6-10, 2017; New Orleans, LA, USA.
10. **Chen AF.** “Future Perspective in CAS”
    - Podium presentation at *European Knee Associates (EKA)* meeting. October 13-14, 2017; Berlin, Germany.
  11. **Chen AF.** “Debate 4 Cemented Versus Uncemented TKA”
    - Podium presentation at *European Knee Associates (EKA)* meeting. October 13-14, 2017; Berlin, Germany.
  12. **Chen AF.** “Prosthetic Joint Infection”
    - Moderator at the 27<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 4-5, 2017; Boston, MA, USA
  13. **Chen AF.** “Exporting the DNA Signature.”
    - Podium presentation at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 14-18, 2017; San Diego, CA, USA.
  14. **Chen AF.** “The Scary Knee Arthroplasty – A Case-Based Approach to Complex Knees.”
    - Instructional Course Lecture at the *American Association of Orthopaedic Surgeons (AAOS)* meeting. March 14-18, 2017; San Diego, CA, USA.
  15. **Chen AF.** “Is Medical Clearance Enough? Patient Optimization for Preventing Periprosthetic Joint Infection.”
    - Instructional Course Lecture at *American Academy of Orthopaedic Surgeons (AAOS)* meeting. March 14-18, 2017; San Diego, CA, USA.
  16. **Chen AF.** “Blood Management Strategies in 2017”
    - Podium presentation at the AAOS/AAHKS/The Knee Society Innovative Surgical Techniques in Knee Arthroplasty: Early Intervention to Revision course. February 16-18, 2017; Rosemont, IL, USA.
  17. **Chen AF.** “Making the Diagnosis of Peri-Prosthetic Joint Infection”
    - Podium presentation at the AAOS/AAHKS/The Knee Society Innovative Surgical Techniques in Knee Arthroplasty: Early Intervention to Revision course. February 16-18, 2017; Rosemont, IL, USA.
  18. **Chen AF.** “How to Diagnose Periprosthetic Joint Infection”
    - Podium presentation at the Chinese Orthopaedic Association meeting. November 19, 2016; Beijing, China.
  19. **Chen AF.** “The Difficulty in Treating PJI Biofilms: Diagnosis, Treatment and Prevention”
    - Podium presentation at the Chinese Orthopaedic Association meeting. November 19, 2016; Beijing, China.
  20. **Chen AF.** “Bringing a Research Project from Start to Finish”
    - Podium presentation at the Chinese Orthopaedic Association meeting. November 19, 2016; Beijing, China.
  21. **Chen AF.** “Effective Management of the Infected Total Joint”
    - Speaker for Journal of Bone and Joint Surgery (JBJS) Webinar. November 14, 2016.
  22. **Chen AF.** “Periprosthetic Joint Infection: Prevention, Diagnosis, and Treatment”
    - Podium presentation at the Taiwanese Orthopaedic Association meeting. October 23, 2016; Taipei, Taiwan.
  23. **Chen AF.** “Diagnosis of Periprosthetic Infection”
    - Podium presentation at the 1<sup>st</sup> Asia Bone and Joint Infection Forum. October 22, 2016; Taipei, Taiwan.
  24. **Chen AF.** “How to Prevent Periprosthetic Joint Infections”
    - Podium presentation at the 1<sup>st</sup> Asia Bone and Joint Infection Forum. October 22, 2016; Taipei, Taiwan.
  25. **Chen AF.** “Surgical Management of Periprosthetic Joint Infections”
    - Podium presentation at the 1<sup>st</sup> Asia Bone and Joint Infection Forum. October 22, 2016; Taipei, Taiwan.
  26. **Chen AF.** “Spine and Local Antibiotic Delivery”
    - Moderator at the 26<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. August 5-6, 2016; Charlotte, NC, USA.
  27. **Chen AF.** “Infection Prevention in the Future”
    - Podium presentation at IMUKA Transatlantic Current Concepts in Outpatient Arthroplasty. June 16-17, 2016; Maastricht, Netherlands.
  28. **Chen AF.** “Pre-clinical phase”
    - Moderator at IMUKA Transatlantic Current Concepts in Outpatient Arthroplasty. June 16-17, 2016; Maastricht, Netherlands.
  29. **Chen AF.** “Post-operative & Post-clinical phase”
    - Moderator at IMUKA Transatlantic Current Concepts in Outpatient Arthroplasty. June 16-17, 2016; Maastricht, Netherlands.
  30. **Chen AF.** “Enhanced Recovery After Surgery in Total Knee Arthroplasty”
    - Podium presentation at the 9<sup>th</sup> Congress of the Chinese Academy of Orthopaedic Surgeons. May 20, 2016; Chengdu, China.
  31. **Chen AF.** “Diagnosis of Periprosthetic Infection: State of the Art and Future Innovations”

- Podium presentation at the 9<sup>th</sup> Congress of the Chinese Academy of Orthopaedic Surgeons. May 20, 2016; Chengdu, China.
- 32. **Chen AF.** “Antibiotic management in infected knee arthroplasty.”
  - Podium presentation at the 17<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 4-7, 2016; Barcelona, Spain.
- 33. **Chen AF.** Free Papers: TKA.
  - Moderator at the 17<sup>th</sup> *European Society of Sports Traumatology, Knee Surgery & Arthroscopy (ESSKA)* Congress. May 4-7, 2016; Barcelona, Spain.
- 34. **Chen AF.** “The Scary Knee”
  - Instructional Course Lecture at the American Association of Orthopaedic Surgeons. March 1-4, 2016; Orlando, FL, USA.
- 35. **Chen AF.** “Research: From Start to Finish”
  - Grand rounds at The University of Pittsburgh Medical Center. February 17, 2016; Pittsburgh, PA, USA.
- 36. **Chen AF.** “Women in Orthopaedics”
  - Grand rounds at Thomas Jefferson School of Medicine. February 5, 2016; Philadelphia, PA, USA.
- 37. **Chen AF.** “Infection after Total Joint Arthroplasty: Where are we now?”
  - Grand rounds at Boston University. December 23, 2015; Boston, MA, USA.
- 38. **Chen AF.** “Medications – NSAIDs & Opioids”
  - Podium presentation at the ESSKA-EKA (European Knee Associates) closed meeting. November 27-28, 2015; Istanbul, Turkey.
- 39. **Chen AF.** “Metal on Polyethylene”
  - Podium presentation at VuMedi The Event. November 20-21, 2015; San Francisco, CA, USA.
- 40. **Chen AF.** “Prevention and Diagnosis of Infection”
  - Podium presentation at VuMedi The Event. November 20-21, 2015; San Francisco, CA, USA.
- 41. **Chen AF.** “Diagnosing and Treating without Implant Removal”
  - Podium presentation at VuMedi The Event. November 20-21, 2015; San Francisco, CA, USA.
- 42. **Chen AF.** “Optimization of the Pre-operative Joint Patient”
  - Podium presentation at the Pennsylvania Orthopaedic Society (POS) meeting. October 15-16, 2015; Philadelphia, PA, USA.
- 43. **Chen AF.** “Displaced femoral neck fractures – Total Hip Arthroplasty”
  - Podium presentation at the Pennsylvania Orthopaedic Society (POS) meeting. October 15-16, 2015; Philadelphia, PA, USA.
- 44. **Chen AF.** “The Future of Healthcare Delivery”
  - Moderator for a VuMedi Webinar featuring Dr. Richard Rothman, Dr. Robert Gottfried, and Mark Lieberman. September 23, 2015.
- 45. **Chen AF.** “The Human Microbiome and Musculoskeletal Infections”
  - Moderator at the 25<sup>th</sup> *Musculoskeletal Infection Society (MSIS)* meeting. July 31-August 1, 2015; Cleveland, OH, USA.
- 46. **Chen AF.** “Periprosthetic Joint Infections”
  - Guest lecture at Kobe University. July 23, 2015; Kobe, Japan.
- 47. **Chen AF.** “Starting Practice - What I Wish I Knew 5 Months Ago”
  - Grand rounds at Thomas Jefferson School of Medicine. January 22, 2015; Philadelphia, PA, USA.
- 48. **Chen AF.** “Using Antibiotics in Orthopaedics”
  - Podium presentation at the 35<sup>th</sup> Annual Surgical Infection Society Meeting. April 18, 2015; Westlake Village, CA, USA.
- 49. **Chen AF.** “Educational, professional and scientific opportunities for orthopaedic career in the USA. Guidelines for students studying abroad”
  - Podium presentation at the Symposium: Early Complications After Surgical Treatment in Orthopaedics and Traumatology. December 5, 2014; Poznan, Poland.
- 50. **Chen AF.** “Ethics of the study – how to obtain the IRB approval and assure patients recruitment?”
  - Podium presentation at the Symposium: Early Complications After Surgical Treatment in Orthopaedics and Traumatology. December 5, 2014; Poznan, Poland.
- 51. **Chen AF.** “Periprosthetic Joint Infection”
  - Podium presentation at the Symposium: Early Complications After Surgical Treatment in Orthopaedics and Traumatology. December 5, 2014; Poznan, Poland.

52. **Chen AF**. “Orthopaedic Infections”
  - Podium presentation at the Symposium: Early Complications After Surgical Treatment in Orthopaedics and Traumatology. December 5, 2014; Poznan, Poland.
53. **Chen AF**. “Treatment of Bone Infections in the United States”
  - Podium presentation at 46<sup>th</sup> triennial *Société Internationale de Chirurgie Orthopédique et de Traumatologie (SICOT)* meeting. November 19-22, 2014; Rio de Janeiro, Brazil.
54. **Chen AF**. “Biofilms”
  - Co-chair. International Symposium on Molecular Medicine and Infectious Disease. June 17, 2014; Drexel University, Philadelphia, PA, USA.
55. **Chen AF**. “Preventing Infections Following Orthopaedic Procedures”
  - Podium presentation at International Surgical Infections Study Group. June 4, 2014; Vienna, Austria.
56. **Chen AF**. “Bundling: Is Infection Taken Into Account?”
  - Podium presentation at AAOS/ORS Musculoskeletal Infection: Where are we in 2014? Research Symposium. May 8-10, 2014; Chicago, IL, USA.
57. **Chen AF**. “Obesity and Orthopaedic Infections”
  - Podium presentation at AAOS/ORS Musculoskeletal Infection: Where are we in 2014? Research Symposium. May 8-10, 2014; Chicago, IL, USA.
58. **Chen AF**. “MRSA Screening And Decolonization: Should We Bother?”
  - Podium Presentation at the 44<sup>th</sup> annual *Eastern Orthopaedic Association (EOA)* meeting. October 30 – November 2, 2013; Miami, FL, USA.
59. **Chen AF**. “Blood Transfusions in Orthopaedics”
  - Grand Rounds presentation at the *University of Pittsburgh Medical Center*. January 26, 2011; Pittsburgh, PA, USA.
60. **Chen AF**. “Evolution of Fracture Fixation for Supracondylar Femur Fractures.”
  - Grand Rounds presentation at the *University of Pittsburgh Medical Center*. November 21, 2009; Pittsburgh, PA, USA.
61. **Chen AF**, Tarkin IS, Gruen GS. “Measuring Fracture Healing using a BioImplantable Bone Stress Sensor”
  - Podium presentation at the *Pittsburgh Biosensor Consortium*. November 21, 2009; Pittsburgh, PA, USA.

## INTELLECTUAL PROPERTY

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- Alijanipour P, **Chen AF**. Method for Measurement of Range of Motion and Alignment of Body Joints. Provisional patent. Application number: 62159630. May 11, 2015.

## INSTRUCTIONAL COURSE LECTURES

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1. Cushner FD, Berend KR, **Chen AF**, Clarke HD, Haas SB, Kelly MA, Lombardi AV, Long WJ, Mayman DJ, Rodriguez JA, Scuderi GR, Westrich GH. “The Scary Total Knee Arthroplasty – A Case-based Approach to Complex Knees” – ICL 187. American Academy of Orthopaedic Surgery Annual Meeting. 2017.
2. Cornell CN, **Chen AF**, Lane JM. “Is Medical Clearance Enough? Understanding Medical Issues that Can Affect Your Patients' Outcomes” – ICL . American Academy of Orthopaedic Surgery Annual Meeting. 2017.
3. Vendittoli PA, Riviere C, **Chen AF**. “Long-term bone remodeling around well-performing uncemented stems.” 2016.
4. Cushner FD, Berend KR, **Chen AF**, Clarke HD, Haas SB, Kelly MA, Lombardi AV, Long WJ, Mayman DJ, Rodriguez JA, Scuderi GR, Westrich GH. “The Scary Total Knee Arthroplasty – A Case-based Approach to Complex Knees” – ICL 187. American Academy of Orthopaedic Surgery Annual Meeting. 2016.

## BOOKS AND BOOK CHAPTERS

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1. Fraser JF, **Chen AF**. How to Avoid Complications after Total Knee Arthroplasty. In: Roland Becker, Nanne Kort, and Michael Hirschmann. *Basic Knee Arthroplasty*. USA: Springer Publishing, 2017.
2. Shields MV, **Chen AF**. Greater Wound and Renal Complications in Gout Patients Undergoing Total Joint Arthroplasty. In: Melvin Shiffman and Mervin Low. *Wounds: Background, Principles, And Recent Research And Clinical Techniques*. 2017.
3. Hickok NJ, Shapiro IM, **Chen AF**, Parvizi J, Harwood M. Biofilm-Related Infections: Orthopaedic Considerations and Implications. In: World Clinics. USA: 2017.



4. Shapiro IM, **Chen AF**, Freeman T, Hickok N. New Potential Biomarkers for Musculoskeletal Disease: Extracellular Vesicle (Exosomes) Analysis. In: World Clinics. USA: 2017.
5. **Chen AF**, Parvizi J. Degenerative Knee Pathology. In: Grauer *Orthopaedic Knowledge Update (OKU) 12*. USA: American Academy of Orthopaedic Surgeons (AAOS). 2016.
6. Antoci V, **Chen AF**, Parvizi J. Orthopedic Implant Use and Infection. In: Paul Ducheyne, Kevin Healy, Dietmar Hutmacher, David Grainger, and James Kirkpatrick. *Comprehensive Biomaterials*, 2<sup>nd</sup> edition. USA: Elsevier Publishing, 2016.
7. **Chen AF**. The Little Ortho Book: The Bare Bones of Orthopedics. Chinese edition. Ho-Chi Publishing Co. 2016.
8. **Chen AF**, Klatt BA. Special Perioperative Management: Orthopedic Surgery. In: Waters and Frank *Patient Blood Management: Multidisciplinary Approaches to Optimizing Care*, 2<sup>nd</sup> edition. USA: American Association of Blood Banks (AABB). 2016.
9. Gutowski C, **Chen AF**, Parvizi J. The Incidence and Socioeconomic Impact of Periprosthetic Joint Infection: United States Perspective. In: Daniel O. Kendoff, Rhidian Morgan-Jones, and Fares S. Haddad *Periprosthetic Joint Infections: Changing Paradigms*. USA: Springer, 2016.
10. Tan TL, Kheir MM, **Chen AF**. Who is at Risk for PJI?. In: Daniel O. Kendoff, Rhidian Morgan-Jones, and Fares S. Haddad *Periprosthetic Joint Infections: Changing Paradigms*. USA: Springer, 2016.
11. **Chen AF**, Parvizi J. Preoperative Antibiotics. In: Javad Parvizi, Peter Sharkey, Gregory Deirmengian, William J. Hozack *Rothman Arthroplasty Algorithm Book*. USA: Jaypee Publishers, 2016.
12. Wu MH, **Chen AF**, Parvizi J. Postoperative Fluid Management. In: Javad Parvizi, Peter Sharkey, Gregory Deirmengian, William J. Hozack *Rothman Arthroplasty Algorithm Book*. USA: Jaypee Publishers, 2016.
13. Tan TL, Filippone EJ, **Chen AF**. Optimization of Renal Failure. In: Javad Parvizi, Peter Sharkey, Gregory Deirmengian, William J. Hozack *Rothman Arthroplasty Algorithm Book*. USA: Jaypee Publishers, 2016.
14. Viola JR, **Chen AF**, Hozack WJ. Oxygen Desaturation Management. In: Javad Parvizi, Peter Sharkey, Gregory Deirmengian, William J. Hozack *Rothman Arthroplasty Algorithm Book*. USA: Jaypee Publishers, 2016.
15. Küçükdurmaz F, **Chen AF**, Parvizi J. Management of Acute Infection – Knee. In: Javad Parvizi, Peter Sharkey, Gregory Deirmengian, Antonia F. Chen, William J. Hozack *Rothman Arthroplasty Algorithm Book*. USA: Jaypee Publishers, 2016.
16. Manrique J, Gomez MM, **Chen AF**, Parvizi J. TKA Associated Infections – Treatment Strategies. In: Carlos Rodríguez-Merchán and Oussedik *Total Knee Arthroplasty – A comprehensive guide*. USA: Springer, 2016.
17. Ulici V, **Chen AF**, Cheng A, Tuan RS. Anatomy – Cartilage. In: McCarthy, Villar, and Noble *Advances in Hip Arthroscopy*. USA: Springer. 2016.
18. **Chen AF**, Parvizi J. Results of Arthroplasty in Post-Traumatic Arthritis. In: Olson and Guilak *Post-Traumatic Arthritis: Pathogenesis, Diagnosis, And Management*. USA: Springer, 2015.
19. **Chen AF**, O’Toole P, Minori J, Parvizi J. Surgical Technique: Mini-Open approach. In: Nho, Leunig, Larson, Bedi and Kelly *Hip Arthroscopy and Hip Joint Preservation Surgery*. USA: Springer, 2015.
20. O’Toole P, **Chen AF**, Minori J, Parvizi J. Surgical Technique: Mini-open acetabular rim trimming and labral refixation / femoral osteochondroplasty. In: Nho, Leunig, Larson, Bedi and Kelly *Hip Arthroscopy and Hip Joint Preservation Surgery*. USA: Springer, 2015.

21. **Chen AF**. Prevention of Infection. In: Parvizi, Goyal, and Cashman *The Hip: Preservation, Replacement, and Revision*. USA: Data Trace Publishing Company. 2015.
22. Arnholt C, Underwood R, MacDonald DW, Higgs G, **Chen AF**, Klein G, Hamlin B, Lee G, Mont M, Cates H, Malkani A, Kraay M, Rimnac C, Kurtz SM. Micro-grooved Surface Topography Does Not Influence Fretting Corrosion of Tapers in THA: Classification and Retrieval Analysis. In: Greenwald, Kurtz, Lemons, Mihalko *Modularity And Tapers In Total Joint Replacement Devices*. 2015.
23. Kurtz SM, MacDonald DW, Gilbert JL, Mont MA, Klein G, **Chen AF**, Kraay M, Hamlin B, Rimnac CM. Is Taper Fretting Corrosion a Threat to the Clinical Performance of Large-Diameter Hips with HXLPE Bearings? In: Greenwald, Kurtz, Lemons, Mihalko *Modularity And Tapers In Total Joint Replacement Devices*. 2015.
24. Klatt BA, **Chen AF**, Tuan RS. Arthritis. In: Flynn *Orthopaedic Knowledge Update (OKU) 11*. USA: American Academy of Orthopaedic Surgeons (AAOS). 2014.
25. **Chen AF**, Fedorka CJ, Klatt BA. Above Knee Amputation. In: Springer and Parvizi *Periprosthetic Joint Infection*. USA: SLACK Incorporated. 2014.
26. **Chen AF**. The Little Ortho Book: The Bare Bones of Orthopedics. New Jersey: SLACK Incorporated. 2014.
27. **Chen AF**, Tischler EH, Austin MS. Position and Orientation of the Stem. In: Rossi and Castoldi *Primary Total Hip Replacement*. Italy: Minerva Medica. 2013.
28. **Chen AF**. Orthopaedic Fellowship Application Process. In: Mazloom and Parvizi *How To Get Into Orthopedic Residency in the US*. USA: Jaypee Brothers Medical Publishers. 2013.
29. **Chen AF**, Pigott MT, McClain EJ, Klatt BA. Low Cobalt and Chromium levels from a Single Metal-on-Metal Total Hip Arthroplasty Implant. In: Kurtz, Greenwald, Mihalko, and Lemons *Metal-On-Metal Total Hip Replacement Devices* on May 8, 2012 in Phoenix, AZ; STP 1560. *ASTM International: Selected Technical Papers*. 2013.
30. Klatt BA, **Chen AF**. TKA in Patients with Organ Transplantation. In: Parvizi *Knee Reconstruction, Replacement and Revision*. USA: Data Trace Publishing Company. 2012.
31. Farber NJ, **Chen AF**, Klatt BA. Preoperative Clinical Evaluation. In: Parvizi *Knee Reconstruction, Replacement and Revision*. USA: Data Trace Publishing Company. 2012.
32. Braly BA, **Chen AF**, Woods B, Syed IY, Lee JY. Cervical Whiplash. In: Anderson and Vaccaro *Decision Making in Spine Care 2<sup>nd</sup> edition*. USA: Thieme Medical Publishers. 2012.
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35. **Chen AF**, Schreiber VM, van Eck CF, Fu FH. ACL Injuries and Treatment. In: Scuderi GR, Tria AJ *The Knee: A Comprehensive Review*. Singapore: World Scientific Publishing Co. 2010:215-236.

## **NON PEER-REVIEWED PUBLICATIONS**

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1. Lee YS, **Chen AF**. Two-Stage Reimplantation in Infected Total Knee Arthroplasty. *Knee Surgery & Related Research*. 2017. *Submitted*.
2. **Chen AF**, Winkler H. Local Antimicrobial Treatment in Orthopaedic Surgery. *Journal of Bone and Joint Infection*. 2017 Jan 1;2(1):1-2.
3. Flesichman A, **Chen AF**. Rapidly Progressing Osteoarthritis of the Hip. *International Congress for Joint Reconstruction (ICJR)*. June 15, 2016.

4. **Chen AF**, Parvizi J. Fracture of Ceramic-on-Ceramic Total Hip Implant. *International Congress for Joint Reconstruction (ICJR)*. July 15, 2015.
5. Rasouli MR, **Chen AF**. Tranexamic acid and total joint arthroplasty. *Journal of Blood & Lymph*. 2014. 4:e114.

## **SIDNEY KIMMEL MEDICAL SCHOOL**

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1. Curriculum Leader for the Musculoskeletal and Integumentary system at Sidney Kimmel Medical College
2. Director of the Sidney Kimmel Medical School Accelerated Orthopaedic Program
3. Mentor for the Clinical Shadowing and Mentor Program
4. Regularly host medical students interested in orthopaedic surgery in the clinic and operating room

## **COMMUNITY SERVICE**

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- YaleWomen Philadelphia – *Founder*
- Senior Lecture at the Watermark. “Treatment Options for Knee Arthritis.” Rothman Institute, Philadelphia, PA. November 7, 2016.
- OrthoCamp. “Hip and Knee Replacements - What you'll need to know.” Rothman Institute, Philadelphia, PA. October 27, 2016.
- OrthoCamp. “Hip and Knee Replacements - What you'll need to know.” Rothman Institute, Philadelphia, PA. December 1, 2015.
- Continuing Law Education Course: Orthopaedic Treatments and Technology – A Day with the Rothman Institute. “Everything You Need to Know About Hips.” Wannamaker Building. Philadelphia, PA. October 9, 2015.
- Dilworth Park Lecture. “Treatment Options for Knee Arthritis.” Rothman Institute, Philadelphia, PA. April 23, 2015.
- Continuing Medical Education. “The Ins and Outs of Total Hip Replacement.” Rothman Institute, Philadelphia, PA. April 2, 2015.
- Dilworth Park Lecture. “Treatment Options for Hip Arthritis.” March 19, 2015.
- The Perry Initiative: Medical Student Outreach Program. “Orthopaedic Specialties.” Jefferson Medical College, Philadelphia, PA. March 21, 2014.
- West Chester University Pre-Medical Club. “How to be a doctor.” West Chester University, West Chester, PA. October 14, 2014.
- Leader for organizing free orthopaedic care for patients without insurance in annual clinic hosted by Organization of Chinese Americans (OCA). Pittsburgh, PA. 2008-2012.
- Volunteer speaker for American Medical Women’s Association (AMWA). December 10, 2012.

## **TEAM COVERAGE EXPERIENCE**

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- 2010-2012 Physician for Mt. Lebanon High School varsity football team
- 2008-2010 Physician for South Allegheny High School varsity football team

## **LANGUAGES**

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- Proficient in Mandarin Chinese; Working knowledge of Taiwanese and Spanish