

# James Benjamin Chen M.D.

## Publications

### Academic Presentations & Publications

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- 1) **Chen J.B.**, Contemporary Debates in Total Knee Arthroplasty – Hand-held Navigation  
Proponent. Invited Speaker, *COA Annual Meeting* April 10, 2022, Indian Wells California
- 2) **Chen J.B.**, Advances in Total Knee Arthroplasty and Emerging Technology, MemorialCare  
Lunch Time Lecture Series, April 8, 2022, Laguna Woods, CA.
- 3) **Chen J.B.**, Emerging Technology in Total Hip Arthroplasty, Saddleback MemorialCare  
Grand Rounds April 20, 2022, Laguna Woods, CA.
- 4) **Chen J.B.**, What's Trending in Knee Arthroplasty - The Functional Prosthetic Spacer,  
Invited Guest Speaker, *Taiwan Arthroplasty Education Society (TAES)* 13<sup>th</sup> Annual Current  
Concepts in Knee Joint Replacement, July 9, 2022, Virtual/Taipei, Taiwan
- 5) **Chen J.B.**, What's Trending in Knee Arthroplasty – The Smart Stem Implant, Invited Guest  
Speaker, *Taiwan Arthroplasty Education Society (TAES)* 13<sup>th</sup> Annual Current Concepts in  
Knee Joint Replacement, July 9, 2022, Virtual/Taipei, Taiwan
- 6) **Chen J.B.**, Debbi E. Leveraging Technology for the Modern Total Joint Replacement ASC,  
*Hospital for Special Surgery Journal*, 2024
- 7) **Chen, J.B.** Evolving technique: Automating the Preoperative Process for My Patients Young &  
Old, OSET 2024 Presentation and Panel
- 8) **Chen, J.B.** Creating The Perfect Patient Experience: Think Hotel Industry Concierge Service, OSET  
2024 Presentation and Panel
- 9) **Chen, J.B.** How I Build An ASC: Do I Build A New One, Do I Find A Partner, Do I Buy An  
Existing One? It's Time For The Truth, OSET 2024 Presentation and Panel
- 10) **Chen, J.B.** Choosing Your ASC Partner: Avoiding Pitfalls and Misalignment. AAHKS Business  
Course 2024 Presentation and Panel
- 11) **Chen, J.B.** How ASCs can Succeed in the era of Value-Based Care, 21<sup>st</sup> Annual Beckers ASC  
Conference 2024 Presentation and Panel

- 12) **Chen, J.B.** Envisioning Revision 2040 Faculty Panel, 2023 SNF CJRC Symposium, Hospital for Special Surgery, June 2023
- 13) **Chen J.B.**, Outpatient THA: Protocols and Techniques , *Taiwan Arthroplasty Education Society (TAES)* 16<sup>th</sup> Annual Current Concepts in Hip Joint Replacement, March, 2025, Virtual/Taipei, Taiwan
- 14) **Chen J.B.**, Technology and Trends in THA , *Taiwan Arthroplasty Education Society (TAES)* 16<sup>th</sup> Annual Current Concepts in Hip Joint Replacement, March, 2025, Virtual/Taipei, Taiwan
- 15) **Chen J.B.**, Co-Chair and Program Director, *COA Annual Meeting* May 3, 2025, Los Angeles, California
- 16) **Chen J.B.**, Preventing and Managing Postop Complications, *Anterior Hip Foundation Annual Meeting 2025*, June, 2025, Nashville, TN
- 17) **Chen J.B.**, Outpatient Same Day UKA/TKA: Protocols and Techniques , *Taiwan Arthroplasty Education Society (TAES)* 16<sup>th</sup> Annual Current Concepts in Knee Joint Replacement, July 11, 2025, Virtual/Taipei, Taiwan
- 18) **Chen J.B.**, Manual v Robotic TKA: What Does Registry Data Reveal?, *Taiwan Arthroplasty Education Society (TAES)* 16<sup>th</sup> Annual Current Concepts in Knee Joint Replacement, July 11, 2025, Virtual/Taipei, Taiwan
- 19) **Chen J.B.**, ASC Talk #1, *OSET Annual Meeting 2025*, Sept 2025 Las Vegas, NV
- 20) **Chen J.B.**, ASC Talk #2, *OSET Annual Meeting 2025*, Sept 2025 Las Vegas, NV

## **Publications**

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- 1) \***Chen J.B.**, \*Burke Z.D.C., Conceicao C, Hoffman R.M., Miller L.T., Taela, A, DeUgarte D.A. Evaluation of preoperative and intraoperative red blood cell transfusion practices at Maputo Central Hospital, Mozambique. *Transfusion*. Epub May 2013. Issue Pub Jan 2014. 54(1): 42–48. \*Recognized as Co-First Authors.
- 2) **Chen J**, Nelson S, Tzung B, Applebaum H, DeUgarte D.A. Costal Osteochondroma Spicule Associated with Pleural Effusion. *Pediatric Surgery International*. Epub May 2013. Issue Pub Mar 2014. 30(3):357-359.

- 3) **Chen J**, Chester R, McMahon M, Pessegueiro A. A Case of Disseminated Herpes Simplex Virus-2 Complicating Active Systemic Lupus Erythematosus. *Proceedings of UCLA Healthcare*. July 2014. Volume 18.
- 4) **Chen J.B.**, Kim A.D., Allan-Blitz L, Shamie A.N. Prevalence of thoracic scoliosis in adults 25 to 64 years of age detected during routine chest radiographs. *European Spine Journal*. Sep 2015. 25(10):3082-3087.
- 5) Kim A.D., Ebrahimzadeh E, **Chen J.B.**, Bengs B.C. Implant cost Awareness of Analogous Intramedullary and Plate Devices among Orthopaedic Surgeons and Residents in a Public University Hospital, *Current Orthopaedic Practice*. Sep 2015. 26(5):509-515.
- 6) Yao Q, Wei B, Guo Y, Liu N, Shamie A, **Chen J**, Alshuaib Y, Tang C, Du X, Yan J, Yan C, Jin C, Zhang X, Wang L. Chondrogenic regeneration of bone marrow clot combined with three-dimensional porous polycaprolactone-hydroxyapatite scaffold. *Tissue Engineering*. Apr 2015; 21(7-8):1388-97.
- 7) Lai W, Wang D, **Chen J.B.**, Vail J, Rugg C.M., Hame S.L. Lower Quarter Y-Balance Test Scores and Lower Extremity Injury in NCAA Division I Athletes. *OJSM*. Aug 2017. 5(8):2325967117723666
- 8) Shaw K, **Chen J.B.**, Sheppard W, Alazzeh M, Park H.Y., Park D.Y., Shamie A.N. Use of the Subcutaneous Lumbar Spine (SLS) Index as a Predictor for Surgical Complications in Lumbar Spine Surgery. *Spine J*. Apr 2018. S1529-9430(18):30191-8.
- 9) Takamura K.M., **Chen J.B.**, Petrigliano F.A. Non-arthroplasty Options for the Athlete or Active Individual with Shoulder Osteoarthritis. *Clin Sports Med*. June 2018. 975:37(4):1-10.
- 10) Arshi A, Lai W.C., **Chen J.B.**, Bukata S.V., Stavrakis A.I., Zeegen E.N. Predictors and sequelae of postoperative delirium in geriatric hip fracture patients. *Geriatr Orthop Surg Rehabil*. Dec 2018. 5;9:2151459318814823

- 11) **Chen J.B.**, Hegde V, Cheung E.C., Stavrakis A.I., SooHoo N.F. Who Cares for Total Hip Arthroplasty Complications? Rates of readmission to the same or a different hospital as the index procedure. *JAAOS*. July 2019. 15;27(14):e669-675
- 12) **Chen J.B.**, Hegde V, Cheung E.C., Stavrakis A.I., SooHoo N.F. Reply to Letter to the Editor. Who Cares for Total Hip Arthroplasty Complications? Rates of readmission to the same or a different hospital as the index procedure. Oct 2020. *JAAOS*. 1;28(19):e877.
- 13) **Chen J.B.**, Bernthal N.M., McPherson E., Sassoon A., Use of Compress Device in Complex Primary Arthroplasty: Case Series and Literature Review, *JOA*, Submitted
- 14) **Chen J.B.** MD, Baral E. BS, Koff M PhD, Potter H. MD, Bauer T. MD, Engh A. MD, Wright T PhD, Padgett D. MD, A Post Mortem Analysis of Polyethylene Damage in Rotating Platform and Fixed Tibial Inserts, *Journal of Arthroplasty*, 2022
- 15) **Chen J.B.** MD, Diane A. BS, Chiu Y. MS, Blevins J.L. MD, Westrich G. H. MD, Predicting implant size in total hip arthroplasty with bayesian modeling and linear regression using demographic variables, *Arthroplasty Today*, 2022
- 16) **Chen J.B.** MD, Debbi E. MD, Windsor E. MD, Gausden E. MD, Vigdorchik J. MD, Evaluation of spinopelvic motion in patients with sacral dysmorphism, *JOA*, Pending
- 17) Hwang R. MD, **Chen J.B.** MD, Staged Bilateral Total Knee Arthroplasty with the Smart Implant; A Case Report of New Clinical Insights, *Arthroplasty Today*, Pending
- 18) Graham Benjamin James Buchan; Christian J. Hecht II; Peter K. Sculco; **James B. Chen**; Atul F. Kamath , Improved Short-term Outcomes for a Novel, Fluoroscopy-Based Robotic-Assisted Total Hip Arthroplasty System Compared to Manual Technique with Fluoroscopic Assistance, *JOA*, 2023
- 19) Chen J.B. MD, Borsinger T.M. MD, Chalmers B.P. MD, Debbi E. M. MD, Joint Replacement Technology in the Ambulatory Surgery Center: Current and Future Applications, *HSS Journal*, Nov 2023

- 20) **Chen J.B.** et al. AAHKS Online publication – Know Your Worth – expected publication Q4 2024
- 21) **Chen J.B.** et al. Ongoing Prospective Multi-institutional study- Functional Pelvic Plane Defining the Target and technical validation – expected publication Q3 2025
- 22) **Tracpatch Paper 2025**

### **Scientific & Scholarly Presentations**

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- 1) **Chen J.B.**, Burke Z.D.C., Conceicao C, Hoffman R.M., Miller L.T., Taela A, DeUgarte D.A. Evaluation of preoperative and intraoperative red blood cell transfusion practices at Maputo Central Hospital. Podium Presentation - Pacific Coast Surgical Association 84<sup>th</sup> Annual Meeting. February 2013. Kauai, HI.
- 2) **Chen J.B.**, Wang D, Lai W, Vail J, Rugg C.M., Hame S.L. Predictive Value of the Functional Movement Screen for Sport-Related Injury in NCAA Division I Athletes. Podium Presentation - American Academy of Orthopaedic Surgeons Annual Meeting. March 2017. San Diego, CA.
- 3) Wang D, **Chen J.B.**, Lai W, Vail J, Rugg C.M., Hame S.L. Predictive Value of the Functional Movement Screen for Sport-Related Injury in NCAA Division I Athletes. Podium Presentation - American Academy of Orthopaedic Surgery Annual Meeting. Subspecialty Day. March 2017. San Diego, CA.
- 4) **Chen J.B.**, Devana S, Jensen A.E., D'Oro A, Petrigliano F.A. Shoulder and Cervical Spine Pathology Crossover: Prevalence of Diagnosis and Intervention. Rapid Fire Presentation – Western Orthopaedic Association Annual Meeting. August 2017. Kauai, HI.
- 5) **Chen J.B.**, Lai W, Wang D, Vail J, Rugg C.M., Hame S.L. Lower Quarter Y-Balance Test Scores and Lower Extremity Injury in NCAA Division I Athletes. Rapid Fire Presentation – Western Orthopaedic Association Annual Meeting. August 2017. Kauai, HI.

- 6) **Chen J.B.**, Wang D, Lai W, Vail J, Rugg C.M., Hame S.L. Predictive Value of the Functional Movement Screen for Sport-Related Injury in NCAA Division I Athletes. Podium Presentation – UCLA Department of Orthopaedic Surgery Academic Day. June 2017. Los Angeles, CA.
- 7) Shaw K, **Chen J.B.**, Sheppard W, Alazzeh M, Park H.Y., Park D.Y., Shamie A.N. Lumbar Subcutaneous Adipose to Spinous Process Depth Ratio as a Predictor for Surgical Complications. Rapid Fire Presentation – Western Orthopaedic Association Annual Meeting. August 2018. Snowmass, CO.
- 8) Shaw K, **Chen J.B.**, Sheppard W, Alazzeh M, Park H.Y., Park D.Y., Shamie A.N. Lumbar Subcutaneous Adipose to Spinous Process Depth Ratio as a Predictor for Surgical Complications. Rapid Fire Presentation – Eastern Orthopaedic Association Annual Meeting. October 2018. Amelia Island, FL.
- 9) Galey S, **Chen J**, Wu S, Chowdhry M, Dipane M, McPherson E, Bernthal N, Sassoon, A. “Compressive Osseointegration Device for Management of Non-Oncologic Salvage Arthroplasty,” Western Orthopedic Association Annual Meeting 2020 (Virtual Podium)
- 10) Galey S, **Chen J**, Wu S, Chowdhry M, Dipane M, Sassoon A, Bernthal N, McPherson, E. Compressive Osseointegration Device for Management of Previously Infected, Non-Oncologic Salvage Arthroplasty, Musculoskeletal Infection Society Annual Meeting 2020 (Virtual Podium)
- 11) Galey S, **Chen J**, Wu S, Chowdhry M, Dipane M, McPherson E, Bernthal N, Sassoon, A. Compressive Osseointegration Device for Management of Non-Oncologic Salvage Arthroplasty, Orthopedic Research and Education Foundation California Resident Research Symposium 2020 (Virtual Podium)
- 12) **Chen J.B.** MD, Baral E. BS, Koff M PhD, Potter H. MD, Bauer T. MD, Engh A. MD, Wright T PhD, Padgett D. MD, A Post Mortem Analysis of Polyethylene Damage in Rotating Platform and Fixed Tibial Inserts, HSS 2021 Clinical Fellow Research virtual e-poster presentation

- 13) **Chen J.B.** MD, Baral E. BS, Koff M PhD, Potter H. MD, Bauer T. MD, Engh A. MD, Wright T PhD, Padgett D. MD, A Post Mortem Analysis of Polyethylene Damage in Rotating Platform and Fixed Tibial Inserts, *Knee Society* 2021 presentation
- 14) **Chen J.B.** MD, Baral E. BS, Koff M PhD, Potter H. MD, Bauer T. MD, Engh A. MD, Wright T PhD, Padgett D. MD, A Post Mortem Analysis of Polyethylene Damage in Rotating Platform and Fixed Tibial Inserts, *AAOS Annual Meeting* 2022, Chicago IL, Poster Presentation
- 15) Baral E. BS, **Chen J.B.** MD, Koff M PhD, Potter H. MD, Bauer T. MD, Engh A. MD, Wright T PhD, Padgett D. MD, A Post Mortem Analysis of Polyethylene Damage in Rotating Platform and Fixed Tibial Inserts, *ISTA Annual Meeting* 2022, Maui HI, Poster Presentation

### **Abstracts / Posters**

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- 1) **Chen, J.B.**, Burke, Z.D.C., Conceicao, C, Hoffman, R.M., Miller, L.T., Taela, A, DeUgarte D.A. Evaluation of preoperative and intraoperative red blood cell transfusion practices at Maputo Central Hospital. Poster Presentation – UCLA David Geffen School of Medicine Annual Josiah Brown Poster Fair. July 2012. Los Angeles, CA.
- 2) **Chen J.B.**, Wang D, Lai W, Vail J, Rugg C.M., Hame S.L. Predictive Value of the Functional Movement Screen for Sport-Related Injury in NCAA Division I Athletes. Poster Presentation – Western Orthopaedic Association Annual Meeting. September 2016. Indian Wells, CA.
- 3) Shaw K, **Chen J.B.**, Sheppard W, Alazze M, Park H.Y., Park D.Y., Shamie A.N. Use of the Subcutaneous Lumbar Spine (SLS) Index as a Predictor for Surgical Complications in Lumbar Spine Surgery. Poster Presentation – UCLA David Geffen School of Medicine Annual Josiah Brown Poster Fair. July 2017. Los Angeles, CA.
- 4) Greenberg D.C., **Chen J.B.**, Arshi A, Lai W, Vail J, Hame S.L. Pre-collegiate Upper and Lower Extremity Injury is Associated with Higher Risk of Collegiate Injury in NCAA Division I Athletes. Poster Presentation – UCLA David Geffen School of Medicine Annual Josiah Brown Poster Fair. July 2017. Los Angeles, CA.

- 5) **Chen J.B.**, Shaw K, Sheppard W, Alazzeh M, Park H.Y., Park D.Y., Shamie A.N. Use of the Subcutaneous Lumbar Spine (SLS) Index as a Predictor for Surgical Complications in Lumbar Spine Surgery. Poster Presentation – Longmire Academic Day. March 2018. Los Angeles, CA.
- 6) **Chen J.B.**, Shaw K, Sheppard W, Alazzeh M, Park H.Y., Park D.Y., Shamie A.N. Use of the Subcutaneous Lumbar Spine (SLS) Index as a Predictor for Surgical Complications in Lumbar Spine Surgery. Poster Presentation – UCLA Department of Orthopaedic Surgery External Advisory Board. May 2018. Los Angeles CA.
- 7) Greenberg D.C., **Chen J.B.**, Arshi A, Lai W, Vail J, Hame S.L. Pre-collegiate Upper and Lower Extremity Injury is Associated with Higher Risk of Collegiate Injury in NCAA Division I Athletes. Poster Presentation – AAOS 2019 Annual Meeting, Las Vegas, NV.
- 8) **Chen J.B.**, Hegde V, Cheung E.C., Stavrakis A.I., SooHoo N.F. Who Cares for Total Hip Arthroplasty Complications? Rates of readmission to the same or a different hospital as the index procedure. Poster Presentation – AAOS 2019 Annual Meeting, Las Vegas, NV.
- 9) **Chen J.B.**, Hegde V, Cheung E.C., Stavrakis A.I., SooHoo N.F. Who Cares for Total Hip Arthroplasty Complications? Rates of readmission to the same or a different hospital as the index procedure. iPoster Presentation – AOA 2019 132<sup>nd</sup> Annual Meeting, San Diego, CA.
- 10) **Tracpatch abstract AAHKS and AAOS and Knee Society**