

Curriculum Vitae

YOSHIHIRO KATSUURA, MD

CLINICAL WORK EXPERIENCE:

Medical Director of Spine Surgery, Adventist Health Mendocino County, California. 2021-current

Clinical Instructor of Orthopaedic Surgery, Hospital for Special Surgery, New York, NY 2019-2021

Clinical Instructor of Orthopaedic Surgery, Weill Cornell College of Medicine New York NY 2019-2021

MEDICAL CREDENTIALS:

Medical licenses: New York and California

American Board of Orthopaedic Surgeons: Board certified 2022

EDUCATION:

Fellowship in Adult Joint Reconstruction (Non-ACGME): Frank Howard Memorial Hospital, Willits CA, **2022**

Fellowship Director: William Bowen MD.

Fellowship in Spine Surgery (ACGME): Hospital for Special Surgery, New York: **2019**

Surgeon-in-Chief: Todd Albert MD

Chief of Spine: Frank Schwab MD

Fellowship Director: Han Jo Kim MD

Chief Resident: University of Tennessee College of Medicine at Chattanooga: 2018

Residency in Orthopaedic Surgery: University of Tennessee College of Medicine at Chattanooga: 2018

Chairman: Richard Alvarez MD

Program Director: Jeremy Bruce MD

Medical School: The Royal College of Surgeons in Ireland: 2013

Medical Graduate Entry Program Class of 2013 with Honors.

Undergraduate: University of California, Berkeley: 2007

Double Major in: Molecular and Cellular Biology (Immunology emphasis) and Japanese Language/Literature, Runner up for Departmental Citation

PUBLICATIONS IN PRINT:

Colon L, Barber L, Soffin E, Albert T, **Katsuura Y**, Airway Complications After Anterior Cervical Spine Surgery, Global Spine J Feb 2023

Urakawa H, Santos M, Vaishnav A; ryanlee, Sohrab V, Sheha E, **Katsuura Y**, Qureshi S, Preoperative Cross-sectional Area of Psoas Muscle Correlates with Short-term Functional Outcomes after Posterior Lumbar Surgery, *European Spine J*, Jan 2023

Barber L, **Katsuura Y**, Qureshi S, Sacral Fractures a Review, *HSS J*, OCT 2022, doi:[10.1177/15563316221129607](https://doi.org/10.1177/15563316221129607)

Louie PK, Sheikh Alshabab B, McCarthy MH, Virk S, Dowdell JE, Steinhaus ME, Lovecchio F, Samuel AM, Morse KW, Schwab FJ, Albert TJ, Qureshi SA, Iyer S, **Katsuura Y**, Huang RC, Cunningham ME, Yao YC, Weissmann K, Lafage R, Lafage V, Kim HJ, Classification system for cervical spine deformity morphology: a validation study, *JNS SPINE* 2022, PMID 35901688

Perez AA, Yoon ES, Iyer S, Lafage V, Sandhu H, Schwab F, Albert TJ, Qureshi S, Kim HJ, **Katsuura Y**, Computer Tomography and Magnetic Resonance Imaging Overlay in the Spine for Surgical Planning: A Technical Report, *HSS J* 2022 AUG PMID 35846261

Lovecchio F, Langhand MT, Bennet T, Steinhaus M, Mremkumar A, Cunningham M, Farmer J, Albert T, Huang R, **Katsuura Y**, Qureshi S, Schwab F, Sandhu H, Kim HJ, Lafage V, Iyer S, Prevalence of Cannabidiol Use in Patients With Spine Complaints: Results of an Anonymous Survey, *Int J Spine Surg*, Aug 20201, PMID 34285125

Katsuura Y, Colon LF, Perez AA, Albert TJ, Qureshi SA, A Primer on the Use of Artificial Intelligence in Spine Surgery, *Clin Spine Surg*, 2021 May, PMID34050043

Louie PK, Perez AA, Setinhaus ME, Wright-Chisem J, Albert TJ, Kim HJ, Lafage V, Iyer S, Qureshi S, **Katsuura Y**, Morphometric analysis of Cervical Interlaminar Space for Posterior Surgical Approach and Decompression, *Surg Radiol Anat*. 2021, June PMID 33159550

Katsuura Y, Lafage R, Kim HJ, Smith JS, et al, Alignment Targets, Curve Proportion and Mechanical Loading: Preliminary Analysis of an Ideal Shape Toward Reducing Proximal Junctional Kyphosis, *Global Spine J*, 2021 Jan, PMID 33511871

Samuel AM, Morse K, Lovecchio F, Maza N, Vaishnav AS, **Katsuura Y**, Iyer S, McAnany SJ, Albert TJ, Gang CH, Qureshi SA, Early Failures After Lumbar Discectomy Surgery: An Analysis of 62690 Patients, *Global Spine J*, 2020, July PMID 32677471

Iyer S, Shafi K, Lovecchio F, Turner R, Albert TJ, Kim HJ, Press J, **Katsuura Y**, Sandhu H, Schwab F, Qureshi S, The Spine Physical Examination Using Telemedicine: Strategies and Best Practices, *Global Spine Journal* 2020; Aug 5. PMID 32755256

Colon LF, Isaza J, **Katsuura Y**, Nuss D, Hypoglossal Nerve Palsy After Anterior Cervical Spine Surgery: A Case Report and Literature Review, *JBJS Case Connect* 2020; 10(2):e0098, PMID 32649097

Katsuura Y, Yao K, Change E, Kadrie TA, Dorizas JA. Shoulder Double Crush Syndrome: A Retrospective Study of Patients with Concomitant Suprascapular Neuropathy and Cervical Radiculopathy. Clin Med Insights Arthritis Musculoskeletal Disord, 2020 Jun 22. PMID: 32612405

Davis FB, **Katsuura Y**, Dorizas JA. A retrospective Review of 112 Patients Undergoing Arthroscopic Suprascapular Nerve Decompression. J Orthop 2019 Nov 27;19:31-35. PMID: 32021032

Urakawa H, Jones T, Samuel A, Vaishnav A, Othman Y, Virk S, **Katsuura Y**, Iyer S, McAnany S, Albert T, Gang C, Qureshi S, The Necessity and Risk Factors of Subsequent Fusion After Decompression Alone for Lumbar Spinal Stenosis with Lumbar Spondylolisthesis: 5 Years Follow up in Two Different Large Populations, Spine J 2020, S1529-9430(20)30176-5, PMID: 32417500

Katsuura Y, Shafi K, Jacques C, Virk S, Iyer S, Cunningham M, The New Strategies in Enhancing Spinal Fusion, HSS J, 2020 16:177-182. PMID: 32508545

Katsuura Y, Wright-Chisem J, Wright-Chisem A, Virk S, Mcanany S, The Importance of Surface Technology in Spinal Fusion, HSS J, 2020 16:113-116. PMID: 32523478

Katsuura Y, Qureshi S, Additive Manufacturing for Metal Applications in Orthopaedic Surgery, JAAOS 2020 Apr 15 8(8):e349-e355. doi: 10.5435/JAAOS-D-19-00420. PMID: 31939752

Samuel AM, Moore HG, Vaishnav AS, McAnany S, Albert T, Iyer S, **Katsuura Y**, Gang CH, Qureshi SA. Effect of Myelopathy on Early Clinical Improvement After Cervical Disc Replacement: A Study of a Local Patient Cohort and a Large National Cohort, Neurospine. 2019 Sep;16(3):563-573. doi:10.14245/ns.1938220.110. Epub 2019 Sep 30. PMID: 31607089

Katsuura Y, York PJ, Goto R, Yang J, Himo C, Qureshi S, Sagittal Reconstruction and Clinical Outcome Using Traditional ACDF, vs Stand-alone ACDF Vs TDR: A Systematic Review and Quantitative Analysis. Spine (2019). PMID: 31261280

Katsuura Y, Hill A, Dorizas JA, MRI Diagnosis of Suprascapular Neuropathy Using Spinoglenoid Notch Distension. Radiol Med, March 5 2018. PMID: 30835024

Katsuura Y, Dirk K, Sacral Butterfly Vertebrae in the Setting of a Sacral Fracture and Unstable Pelvic Ring Injury: A Case Report and Review of the Literature. Trauma Case Reports, Dec 6 2018. PMID: 30560193

York PJ, **Katsuura Y**, Qureshi SA (2019) Use of Zero Profile Devices for Multilevel ACDF: What Does the Literature Say? Vertebral Columns; ISASS Quarterly Journal. <https://www.isass.org/category/news/vertebral-columns/>

Katsuura Y, Bruce J, Taylor S, Gulotta L, Kim HJ, Overlapping, Masquerading and Causative Cervical spine and Shoulder Pathology: A Review. Global Spine Journal, December 10, 2018. PMID: 32206519. **This was a top downloaded article for GSJ in both 2021 and 2020**

Katsuura Y, Kim HJ, Butterfly Vertebrae: A Systematic Review of the Literature and analysis. Global Spine Journal, September 18, 2018. PMID: 31448202. **This was a top downloaded article for GSJ in 2019**

Katsuura Y, Chang E, Sabri A, Gardner W, Doty J. Anatomic Parameters for Instrumentation of the Sacrum and Pelvis: A Systematic Review of the Literature. *Journal of the American Academy of Orthopaedic Surgeons Global Research and Reviews*, June 21 2018. PMID: 30631829

Katsuura Y, Cincere B, Cason G, Osborn J, Metastatic MSSA Infection of the Spine and Extremities. *British Medical Journal Case Reports*. *British Medical Journal Case Reports*. 2018 March 5. PMID: 29507017

Katsuura Y, Lorenz E, Gardner W. Anatomic Parameters of the Sacral Lamina for Osteosynthesis in Transverse Sacral Fractures. *Surgical and Radiologic Anatomy*, Online 2017 December, In print 2018, May; 40(11):521-528. PMID: 29218387

Katsuura Y, Lemons A, Lorenz E, Swafford R, Osborn J, Cason G. Radiographic Analysis of Cervical and Spinal Alignment in Multilevel ACDF with Lordotic Interbody Device. *International Journal of Spine Surgery*, 2017 April, 11(2): 91-98. PMID: 28765797

Katsuura Y, Gardner WE. Transection of the Anterior Tibial Artery During Minimally Invasive Plate Osteosynthesis of the Proximal Tibia. *Trauma Case Reports*, 2017 Jan 15, 8: 32-35. PMID: 29644311

Katsuura Y, Osborn J, Cason G. A Rare Cause of Neck Pain: Tumors of the Posterior Elements of the Cervical Spine: A Case Report. *British Medical Journal Case Reports*, 2016 Dec 15. PMID: 27979844

Doty J, **Katsuura Y**, Richardson N. Division Tenorrhaphy: A Novel Technique for Achilles Tendon Repair. *Foot Ankle Spec*. 2017 Jan. PMID: 28050916

Katsuura Y, Cason G, Osborn J. The Epidemiology of Thoracolumbar Trauma: A Meta Analysis. *J. Orthopaedics*. 2016 Jul 13(14): 383-388. PMID: 27504058

Katsuura Y, Taha S. Mu Opioid Receptor Antagonism in the Nucleus Accumbens Shell Blocks Consumption of a Preferred Sucrose Solution in an Anticipatory Contrast Paradigm. *Neuroscience*. 2014 Mar 7(261):144-52. PMID: 24342569

Katsuura Y, McGrogan K, The Abuse of Stimulant Drugs Within the Medical Education Setting, *RCSI SMJ*, 2013 6(1): 74-78.

Katsuura Y, Russell V, The Dark Cartoon: Intrusive Imagery Secondary to Childhood Sexual Abuse, *Irish Journal of Psychological Medicine* 2012 Jan 29(3):171-175. PMID: 30200052

Katsuura Y, Grade 4 Arteriovenous Malformation, *RCSI SMJ* 2012 5(1):50-53.

Katsuura Y, Ring Enhancing Tumefactive Multiple Sclerosis, *RCSI SMJ* 2011;4(1):31-34.

Stephen B. Gunther, MD; William W. Bowen, MD; **Yoshihiro Katsuura, BA**; Percutaneous Carpal Tunnel Release Using Nerve Conduction Monitoring Requires No Incisions, *Orthopedics Today* (March, 2011).

Katsuura Y, Heckmann JA, Taha SA, Mu Opioid Receptor Signaling in the Nucleus Accumbens Elevates Fatty Tastant Intake by Increasing Palatability and Suppressing Satiety Signals, *American Journal of*

Physiology-Regulatory, Comparative and Integrative Physiology 2011 May 4301(1):R244-54. PMID: 21543633

Katsuura Y, Taha SA, Modulation of feeding and locomotion through mu and delta opioid receptor signaling in the nucleus accumbens, *Neuropeptides* 2010 Jun;44(3):225-32. PMID: 20044138

Taha S.A., **Katsuura Y**, Noorvash D, Seroussi A, H.L. Fields. Convergent, Not Serial, Striatal and Pallidal Circuits Regulate Opioid Induced Palatable Food Intake, *Neuroscience*, 2009 Jul 7;161(3):718-33. PMID: 19336249

BOOKS/ BOOK CHAPTERS:

Katsuura Y. The Spine Encyclopedia, Everything You Wanted to Know About Back and Neck Pain but were Afraid to Ask, Subtilitas press 2022, ISBN 979-8987244104

Katsuura Y, Kim HJ, Albert TJ, Revision Lumbar Surgery, Heary.

Katsuura Y, Albert TJ, Revision Cervical Surgery, Operative Techniques in Orthopaedic Surgery 3E, Weisel.

Katsuura Y, Kim HJ, Posterior Cervical Foraminotomy, The Fellows Manual: Techniques of Spine Surgery.

Katsuura Y. Albert TJ, The HSS Spine Care Model, Challenges Risks and Opportunities in Today's Spine World, Online Beckers spine Review Dec 2018

SCIENTIFIC PRESENTATIONS:

Katsuura Y, Elysee J, Shah BS, Punyala MS, Ang B, Iter S, Qureshi S, Et al, Normal Lumbar Bone Density Does Not Predict Normal Cervical Bone Density, International Meeting for Advanced Spinal Techniques (IMAST), April 2020.

Katsuura Y, York PJ, Goto R, Yang J, Himo C, Qureshi S, Sagittal Reconstruction and Clinical Outcome Using Traditional ACDF, vs Stand-alone ACDF Vs TDR: A Meta- Analysis. Podium presentation State of Spine Think Tank, Aruba 2019.

Katsuura Y, York PJ, Goto R, Yang J, Himo C, Qureshi S, Sagittal Reconstruction and Clinical Outcome Using Traditional ACDF, vs Stand-alone ACDF Vs TDR: A Meta- Analysis. (Accepted poster ISSAS meeting 2019)

Katsuura Y, York PJ, Goto R, Yang J, Himo C, Qureshi S, Sagittal Reconstruction and Clinical Outcome Using Traditional ACDF, vs Stand-alone ACDF Vs TDR: A Meta- Analysis. (Accepted poster AANS meeting 2019)

Katsuura Y, Lemons A, Lorenz E, Cason G, Osborn J. Analysis of Cervical Alignment in Multilevel ACD F with Interbody Cage Fusion: A Retrospective Study. Podium Presentation. Orthopaedic Research and Education Foundation Orthopaedic Research Symposium, November 2016.

Katsuura Y, Richardson N, Doty J. A Novel Technique for Achilles Tendon Repair. Podium Presentation. Tennessee Orthopaedic Society Annual Meeting. Sept 2016.

Katsuura Y, Osborn J, Cason G. The Epidemiology of Thoracolumbar Trauma: A Systematic Review and Meta Analysis. Podium presentation. Southern Orthopaedic Association Annual Meeting, July 2016.

Alvarez R, **Katsuura Y**, Surgical Management of Retrocalcaneal Heel Pain in the Adult Non-Athletic Patient. Podium presentation. The Orthopaedic Foot Club, Miami, November 2015.

Katsuura Y, Seales J, Osborn J, Cason G. The Epidemiology of Thoracolumbar Trauma: A Systematic Review and Meta Analysis. Podium presentation. Tennessee Orthopaedic Society Annual Meeting. Sept 2015.

Morrissey D, Lim Fat D, **Katsuura Y**, Mullett H; Elbow Arthroscopy as a Treatment for Stiffness Post Mason Type II Fracture. Poster presentation. Combined British Orthopedic Association/ Irish Orthopaedic Association Meeting, 2011.

Taha, S.A., Enquist, I, **Katsuura, Y.**, and Fields, H.L. Enkephalinergic signaling in limbic forebrain circuits mediates palatable food intake. Poster presentation. Association for Chemoreception Sciences 2008.

Taha, S.A. **Katsuura, Y.**, Seroussi A. and Fields, H.L. Convergent, not serial, striatal and pallidal circuits regulate opioid-induced palatable food intake. Poster presentation. Association for Chemoreception 2008.

M. E. Singer, J. T. Geller, R. Chakraborty, T. Torok, **Y. Katsuura**, M. D. Biggin, T. C. Hazen. Reproducible, High Quality Desulfovibrio Vulgaris Hildenborough Biomass Production Using Anaerobic Fermentors In Batch and Continuous Flow Mode. Poster presentation. American Society of Microbiology, May 2008.

Romy Chakraborty, Natalia Ramos-Hernandez, Dominique Joyner, Ernie X. Perez, **Yoshihiro Katsuura**, Arturo Massol-Deya, Terry C. Hazen; Characterization of marine sulfate-reducing bacteria resistant to RDX and other explosives. Poster presentation. American Society of Microbiology, May 2007.

GRANTS:

Research grant from the Hospital for Special Surgery Research Association. Project: Measuring Fusion in ACDF Using Ultrasound. 2018

EDUCATIONAL LECTURES:

The Rise of Artificial Intelligence in Orthopaedics, Present and Future, Grand Rounds, University of Tennessee at Chattanooga, Nov 2022.

Care of the Aging Spine, Grand Rounds Adventist Health Howard Memorial, July 2021

Cervical Spine Trauma, HSS Resident Educational Conference, June 2021.

Cervical Spine Trauma, HSS Resident Educational Conference, June 2020.

The Fractional Curve: When to Go Long, HSS Alumni Day Symposium, October 25 2019

Cervical Radiculopathy, Grand Rounds. Educational Lecture. The Hospital for Special Surgery April 2019

Adult Spinal Deformity, Grand Rounds. Educational Lecture. The Hospital for Special Surgery Jan 2019

Cervical Spine Truama, Grand Rounds. Educational Lecture. The Hospital for Special Surgery Nov 2018

Shoulder-Spine Pathology, Grand Rounds. Educational Lecture. University of Tennessee College of Medicine at Chattanooga Dept. Of Orthopaedic Surgery, April 2015.

Anatomy of the Pelvis and Acetabulum. Educational Lecture. University of Tennessee College of Medicine at Chattanooga, Oct 2014.

Thoracolumbar Trauma, Grand Rounds. Educational Lecture. University of Tennessee College of Medicine at Chattanooga Dept. Of Orthopaedic Surgery, Feb 2015.

Arthritis of the Small Joints of the Hand. Educational Lecture. University of Tennessee College of Medicine at Chattanooga Dept. Of Orthopaedic Surgery, March 2015.

Anatomy of the Shoulder. Educational Lecture. University of Tennessee College of Medicine at Chattanooga Dept. Of Orthopaedic Surgery, Oct 2015.

Cervical Spine Alignment and Mechanics. Grand Rounds. University of Tennessee College of Medicine at Chattanooga Dept. Of Orthopaedic Surgery, Feb 2015.

Electrodiagnostics of the Upper extremity. Educational Lecture. University of Tennessee College of Medicine at Chattanooga Dept. Of Orthopaedic Surgery, Feb 2016.

Anatomy of the Spine. Educational Lecture. University of Tennessee College of Medicine at Chattanooga, Oct 2016.

Mirror Image, overlapping, masquerading and concomitant shoulder and spine pathology. Grand Rounds. University of Tennessee College of Medicine at Chattanooga Dept. Of Orthopaedic Surgery, April 2018.

AWARDS:

Program Directors Award for Academic Excellence UT COM Department of Orthopaedic Surgery May 2018 (Score >90 percentile OITE for Class/overall).

Resident Research Award: UT COM Department of Orthopaedic Surgery, May 2017.

Program Directors Award for Academic Excellence UT COM Department of Orthopaedic Surgery May 2016(Score >90 percentile OITE for Class/overall).

PROFESSIONAL SOCIETIES:

North American Spine Society

American Academy of Orthopaedic Surgeons

Scoliosis Research Society

EDUCATIONAL COURSES:

AO Trauma Basic, September 2014

AO Trauma Advanced, September 2016

AO Spine Basic September 2016

EDITORIAL ACTIVITIES:

Reviewer: Foot and Ankle Specialist.

Reviewer: Spine Deformity

Reviewer: The Spine Journal

Reviewer: Journal of the American Academy of Orthopedic Surgeons

NOT YET RETAINED