

NICK JAIN, M.D.

Nickul S. Jain, MD
Fellowship-trained, Board-eligible Orthopaedic Spine Surgeon

Current Position:

Associate, Southern California Orthopedic Institute in partnership with UCLA Health
2400 Bahamas Drive Suite#200
Bakersfield CA 93309
(661) 328-2325

Education:

Stanford University
Bachelor of Science, Biological Sciences (2003-2006)
Conferred with Departmental Honors

University of California, Irvine School of Medicine
Doctor of Medicine (2007 – 2012)
Conferred with Distinction in Research

University of California, Irvine Medical Center
Orthopaedic Surgery Residency
Dr. Nitin N. Bhatia, Residency Director
Dr. Ranjan Gupta, Chairman
June 2012 to June 2017

University of Southern California
Combined Orthopaedic and Neurosurgical Spine Surgery Fellowship
Drs. Jeffrey Wang & John Liu, Fellowship Directors
August 2017 – July 2018

Board Certification:

American Board of Orthopaedic Surgery Part I – Passed – July 13, 2017

Research Grants:

Omega Medical Grant - *iPad Digital Video Review for Improvement of Resident Education and Competence during Closed Reduction of Fractures*
Co-Investigator
\$3045 total award

Peer Reviewed Publications:

1. *COVID-19 and Spine Surgery: A Review and Evolving Recommendations*. Jain NS, Alluri K, Schopler SS, Hah R, Wang JC. *Global Spine J.* 2020 Aug;10(5):528-533.
2. *Saphenous Nerve Somatosensory Evoked Potentials monitoring during Lateral Interbody Fusion*. Jain NS, Alluri K, Phan K, Yanni D, Guillen H, Mnatasakanyan L, Bederman SS. *Global Spine J.* 2020 May 15;2192568220922979.
3. *Cervical disc replacement: Trends, Costs, and Complications*. Jain NS, Nguyen A, Alluri K,

- Hah R, Buser Z, Wang JC. Asian Spine J. 2020 Mar 30. doi: 10.31616/asj.2019.0246. Epub ahead of print.
4. *Return to Recreational Sport Following Lumbar Fusion*. Jain NS, Lin C, Halim A, Knight B, Byrne CT, Alluri K, Bhatia NN, Lee YP. Clin Spine Surg. 2020 May;33(4):E174-E177.
 5. *Frailty syndrome and the use of the frailty indices as a preoperative risk stratification tool in spine surgery: a review*. Simcox T, Antoku BS, Jain NS, Acosta F, Hah R. Asian Spine J, 2019 Jun 3; 13(5):861-873
 6. *Postoperative complications in adult spinal deformity patients with depression and/or anxiety undergoing reconstructive thoracolumbar spine surgery*. Shah I, Wang C, Jain NS, Formanek B, Buser Z, Wang JC. Spine J 2018 Oct. pii:S1529-9430(18)31159-8
 7. *Video Review as a Tool to Improve Orthopedic Residents' Performance of Closed Manipulative Reductions*. Jain NS, Schwarzkopf R, Scolaro JA. J Surg Educ. 2017 Jul-Aug; 74(4): 663-667
 8. *Construct Validity for a Cost-effective Arthroscopic Surgery Simulator for Resident Education*. Lopez G, Martin DF, Wright R, Jung J, Hahn P, Jain N, Bracey DN, Gupta R. J Am Acad Orthop Surg. 2016 Dec; 24(12):886-894
 9. *Surgical Management of Complex Lower Extremity Trauma with a Long Hindfoot Fusion Nail: A Case Report*. Jain NS, Lopez G, Bederman SS, Wirth G, Scolaro J. Foot and Ankle Specialist, 2015 Oct 8.
 10. *Biomechanical Evaluation of Supplemental Percutaneous Lumbo-Sacro-Iliac Screws for Spinopelvic Fixation Following Total Sacrectomy*. Le VH, Heckmann N, Jain NS, Wang L, Turner AWL, Lee TQ, Bederman SS. J Spinal Disord Tech 2015 May; 28(4):E181-5.
 11. *Biomechanical Evaluation of a Coracoclavicular and Acromioclavicular Ligament Reconstruction Technique Utilizing a Single Continuous Intramedullary Free Tendon Graft*. Abrams GD, McGarry MH, Jain NS, Freehill MT, Shin SJ, Cheung EV, Lee TQ, Safran RS. J Shoulder Elbow Surg 2013 Jul; 22(7), 979-985.
 12. *Biomechanical Evaluation of Augmentation of Suture-bridge supraspinatus repair with additional anterior fixation*. Garcia IA, Jain NS, McGarry MH, Tibone JE, Lee TQ. J Shoulder Elbow Surg 2013 Jul; 22(7) e13-18.
 13. *Endoscopy-guided percutaneous nephrostolithotomy: benefits of ureteroscopic access and therapy*. Sountoulides PG, Kaufmann OG, Louie MK, Beck S, Jain NS, Kaplan A, McDougall EM, Clayman RV. J Endourology 2009 Oct;23(10):1649-54
 14. *Impact of pneumoperitoneum on renal cryotherapy*. Young JL, Louie MK, Ortiz-Vanderdys CG, McCormick DW, Huynh VB, Kaplan AG, Jain NS, Pick DL, Andrade LA, Osann KE, Kolla SB, Sountoulides P, Kaufmann OG, McDougall EM, Clayman RV. J Endourology. 2009 Sep;23(9):1451-5

Peer-Reviewed Book Chapters:

1. Nickul S. Jain, Raymond J. Hah. *How to dissect the plan between the scar of a laminectomy defect in the posterior thoracic and lumbar spine*. In *Revision Spine Surgery: Pearls and Pitfalls*, edited by Alexander R. Vaccaro, Gregory D. Schroeder and Ali A. Baaj. *Taylor and Francis Group*, 2020.
2. Nickul S. Jain, Scott C. McGovern, Winston Fong, Jeffrey C. Wang. *Metastatic Spine Tumors – Chapter 64*. In *Spine Secrets Plus*, 3rd edition, edited by Vincent J. Devlin (*In Press*)
3. Nickul S Jain, Ifije Ohiorhenuan, Wellington K. Hsu, Paul A. Anderson, Jeffrey C. Wang. *Cervical Disc Arthroplasty*. In *Textbook of Spinal Surgery*, 4th edition, edited by Keith H. Bridwell and Ronald L. DeWald. (*In Review*)
4. Nickul S. Jain, Jeffrey C. Wang. *How to achieve a successful fusion with MIS techniques*. In *Ten Step Techniques for Minimally Invasive Spine Surgery*, edited by Roger Härtl and Rodrigo Navarro-Ramirez. (*In Review*)
5. Nickul S. Jain, Raymond J. Hah. *Pedicle Screw Fixation*. In *Handbook of Spine Technology*, edited by Boyle C. Cheng. (*In Press – Springer 2021*).

Scientific Presentations:

1. *Comparative effectiveness of minimally invasive bilateral transforaminal lumbar interbody fusions using two intervertebral titanium expandable versus PEEK static interbody spacers: One-year radiographic outcomes*. Schopler S, Jain NS, Fish E, Riggelman J, Greeley S, Ledonio C. Society for Minimally Invasive Spine Surgery Annual Meeting November 2019, Las Vegas, CA.
2. *Cervical disc replacement: Trends, Costs, and Complications*. Jain NS, Nguyen A, Hah R, Buser Z, Wang JC. Poster Presentation, Global Spine Congress May 2019, Toronto, Canada.
3. *Return to Recreational Sport Following Lumbar Fusion*. Jain NS, Lin C, Halim A, Knight B, Byrne CT, Bhatia NN, Lee YP. Podium Presentation, North American Spine Society Annual Meeting September 2018, Los Angeles, CA
4. *Postoperative Complications in Adult Spinal Deformity Patients With a Mental Illness Undergoing Spine Surgery*. Shah I, Wang C, Jain NS, Formanek B, Buser Z, Wang JC. Podium Presentation, Global Spine Congress May 2018, Singapore.
5. *iPad Digital Video Review for Improvement of Resident Education and Competence during Closed Reduction of Fractures*. Jain NS, Scolaro JS, Schwarzkopf RS. Poster Presentation, American Orthopaedic Association Annual Meeting June 2016, Seattle, WA.
6. *Accuracy of Pedicle Screw Placement in Revision Spine Surgery Using Robotic Guidance*. Bederman SS, Keister PD, Bhatia NN, Jain NS, Woolwine S. Oral Presentation, North American Spine Society Meeting 2014, San Francisco, CA&Oral Presentation, Global Spine Congress 2015, Buenos Aires, Argentina
7. *Saphenous Nerve Somatosensory Evoked Potentials monitoring during Lateral Interbody Fusion*. Bederman SS, Jain NS, Phan K, Yanni D, Guillen H, Mnatasakanyan L. Poster

Presentation, Global Spine Congress 2015, Buenos Aires, Argentina

8. *Biomechanical Evaluation of Supplemental Percutaneous Lumbo-Sacroiliac Screws Following Total Sacrectomy.* Le V, Jain NS, Heckmann N, Wang L, Turner AW, Bederman SS, Lee TQ. Oral presentation, American Academy of Orthopaedic Surgeons Annual meeting 2014, New Orleans, LA
9. *What is the Contribution of the Conjoint Tendon to Shoulder Stability Following a Latarjet Procedure?* Crocco L, McGarry MH, Jain NS, Lee TQ, Wanich T. Oral presentation, American Academy of Orthopaedic Surgeons Annual Meeting, 2013, Chicago, IL
10. *Coracoclavicular and Acromioclavicular Ligament Reconstruction with a Single Continuous Graft.* Abrams GD, McGarry MH, Jain NS, Freehill MT, Shin SJ, Cheung EV, Lee TQ, Safran MR. Oral presentation, American Academy of Orthopaedic Surgeons Annual Meeting 2012 San Francisco, CA & Poster International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Congress 2013, Toronto, Canada
11. *Subscapularis Footprint Morphology, Tear Characteristics and Implications for Repair.* Yoo JC, Shin SJ, Jain NS, Jun BJ, McGarry MH, Bui NH, Lee TQ. Poster presentation, American Academy of Orthopaedic Surgeons Annual Meeting 2012, San Francisco, CA & Posterior Presentation Orthopaedic Research Society Annual meeting 2012, San Francisco, CA & Oral Presentation International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Congress 2013, Toronto, Canada
12. *Biomechanical Comparison of Trans-sacral and Ilio-sacral Screw Placement in Vertically Unstable Sacral Fractures.* Schroder SJ, Zamorano DP, Jain NS, Lee TQ. Oral presentation, American Academy of Orthopaedic Surgeons Annual Meeting 2012 San Francisco, CA
13. *Low-dose CT Scan Yields Equivalent Stone Measurements When Compared to Standard CT Scan with Large Reductions in Radiation Exposure.* Sohn WS, Mucksavage P, Jain NS, McDougall EM, Cohen A, Clayman RV. Oral Presentation, American Urological Association Annual Meeting 2011, Washington, DC
14. *Minimally Invasive Surgical Skills Testing (ST) Model for Evaluation of Urology Resident Applicants: A Preliminary Evaluation.* Jain NS, Wong D, Kerbl DC, Santos RT, Lee JY, Mucksavage P, Pick DL, Louie MK, Andrade LA, Osann K, Clayman RV, McDougall EM. World Congress of Endourology 2010, Chicago, IL
15. *Effects of Laminin 332 on in vitro growth of TEU-2 cells on Electrospun Polymer for a Bladder Graft Model.* Ho J, Carpenter PM, Mucksavage P, Olamendis S, Louie MK, Clayman RV, McDougall EM. World Congress of Endourology 2010, Chicago, IL
16. *Are Multiple Cryoprobes Additive or Synergistic in Renal Cryotherapy?* Young JL, McComick DW, Kolla SB, Sountoulides PS, Kaufmann OG, Ortiz-Vanderdys CG, Huynh VB, Kaplan AG, Jain NS, Pick DL, Andrade LA, Osann KE, Louie MK, McDougall EM and Clayman RV. Paper presentation Engineering in Urology Society 2009, Chicago, IL.
17. *Impact of Pneumoperitoneum on Iceball Size in Renal Cryotherapy.* Young JL, Louie MK, Ortiz-Vanderlys CG, McCormick DW, Huynh VB, Kaplan AG, Jain NS, Pick DL Andrade

LA, Osann KE, McDougall EM and Clayman RV. Engineering in Urology Society 2009, Chicago, IL. World Congress of Endourology 2008, Shanghai, China

18. *Endoscopic guided percutaneous access during percutaneous nephrolithotomy: Is it of any clinical advantage?* Beck SM, Jain N, Kaplan A, Box G, Louie M, McDougall EM, Clayman RV. World Congress of Endourology 2008, Shanghai, China
19. *Distal Ureteral Management with Stapled Resection of the Bladder Cuff During Laparoscopic Nephroureterectomy: Oncologic Outcomes.* Box G, Jain N, Kaplan A, McCormick D, Pick D, Louie M, McDougall EM, Clayman RV. World Congress of Endourology 2008, Shanghai, China
20. *Knockdown of hZimp10 by lentivirus-delivered shRNA inhibits prostate carcinoma growth in vitro.* Jain NS, Beliakoff J, Sun Z. Achauer Honors Symposium 2006, Stanford, CA

Invited Faculty Lectures:

1. *Cartilage, Muscle, Tendon, Ligament Basic Science.* Department of Orthopaedic Surgery, University of California, Irvine. January 2016.
2. *When to Call Orthopaedic Surgery at 2am.* Department of Emergency Medicine, University of California, Irvine. April 2016.
3. *Cranio-Cervical Junction.* Arab Spine Course Diploma Module II, Invited Faculty. Dubai, UAE. April 2018.
4. *Role of Posterior Cervical Facet Spaces-Evidence, Techniques, Surgical Pearls.* Society of Brain Mapping & Therapeutics Annual Meeting. Invited Faculty. Los Angeles, March 2019.
5. *How to Consent A Patient for Adult Spinal Deformity Surgery.* Society of Brain Mapping & Therapeutics Annual Meeting. Invited Faculty. Los Angeles, March 2019.

Invited Editorial Publications:

1. *COVID-19 and the role of Spine Surgeons.* Jain NS, Wang JC. Neurospine 2020; 17(2):331-333.
2. *Surgeons face pent-up demand for spinal procedures following COVID-19 elective shutdown.* Spinal News International, May 2020 Issue 55.
3. *At Issue: Chronic Low Back Pain. What is the role of spinal manipulation and mobilization in the treatment of chronic low back pain lasting at least 6 months.* Dil V. Patel, BS; Benjamin Khechen, BA; Kern Singh, MD; Dennis E. Enix, DC, MBA; Nickul Jain, MD; John C. Liu, MD; Heidi Prather, DO. Orthopedics Today, September 2018
4. *Role of Posterior Cervical Facet Spaces-Evidence, Techniques, Surgical Pearls.* Jain NS. Spine IEP Online Journal, Volume 2, July 2019

Professional Memberships:

1. North American Spine Society, Member
 - a. Committee appointments:
 - i. Patient Education Committee

- ii. Section on Robotics & Navigation
 - iii. Section on Minimally invasive procedures
2. AOSpine, Member

Works in Progress:

1. *Jaffe-Campanacci Syndrome: Case Report with Follow-up.* Tipton S, Jain NS, Hoang B.
Submitted to Journal of Orthopaedic Case Reports (*In review*)

Awards and Recognition:

1. Selected for inclusion on the Super Doctors ® 2021 Rising Stars list
 - a. The Rising Stars edition looks to the future of medicine by recognizing outstanding physicians who have been fully licensed to practice medicine in their respective specialty for approximately 10 years or less. These doctors have made noteworthy achievements early in their careers and are rising through the ranks of their field.

Professional Certifications:

- California State Medical License
- DEA Certification
- State of California Fluoroscopy License
- AHA Basic Life Support Certification
- NPI# 1275897407
- Member, American Academy of Orthopaedic Surgeons
- Member, North American Spine Society
- Member, AO Spine
- Reviewer, Global Spine Journal

Technical skills:

- Microsoft Office suite
- Adobe Photoshop
- 90 WPM typing speed

Languages Spoken:

- English (fluent)
- Spanish (basic)
- Hindi (basic)