



## Serena Hu, MD

Professor of Orthopaedic Surgery and, by courtesy, of Neurosurgery

### CLINICAL OFFICE (PRIMARY)

- **Stanford Orthopaedic Spine Center in Redwood City**

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### ACADEMIC CONTACT INFORMATION

- **Academic office**

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## Bio

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### BIO

Dr. Hu is a board-certified, fellowship-trained orthopaedic spine surgeon. She is professor and vice chair of the Department of Orthopaedic Surgery and (by courtesy) Neurosurgery, and chief of the Division of Spine Surgery at Stanford University School of Medicine. Dr. Hu completed her orthopedic surgery residency at the Hospital for Special Surgery in New York and her fellowship training in spine and scoliosis surgery at Rancho Los Amigos Rehabilitation Center in Downey, California.

Dr. Hu has extensive experience helping patients with a range of spinal conditions and injuries. She specializes in treating scoliosis (when the spine curves sideways), kyphosis (when the spine is more bent forward than normal) lumbar spine fractures, spondylolisthesis (when a vertebra moves out of place), disc degeneration, and spinal stenosis (spinal canal narrowing). Dr. Hu draws on her expertise to create a customized care plan for each of her patients.

Dr. Hu has been the principal investigator in more than a dozen clinical trials and studies. She has been awarded multiple research grants from the North American Spine Society, Scoliosis Research Society, and the National Institutes of Health (NIH). Her research interests include the effects of preoperative pain medication on surgical outcomes as well as decreasing the risk of complications after spine surgery. She has also studied and tested new technologies that make spine surgery safer and more effective.

She has published more than 145 articles in dozens of peer-reviewed journals, including Global Spine Journal, Journal of Spine Surgery, Spine, and Spine Deformity. She has written about a range of topics, including quality measures in spine surgery, spinal fusion techniques, spine tumor effects on spine stability and lumbar decompression for spinal stenosis. Additionally, Dr. Hu has written more than a dozen book chapters on spinal cord injuries, spine fractures, pediatric kyphosis, spondylolysis (vertebra fracture), and scoliosis.

Dr. Hu has reviewed articles for Clinical Orthopaedics and Related Research, Journal of the American Academy of Orthopaedic Surgeons: A Comprehensive Review, and Spine. She has also served as associate editor for Spine Deformity and deputy editor for Global Spine Journal.

Having delivered hundreds of presentations, papers, and lectures, Dr. Hu is widely considered one of the world's leading experts in spine surgery. She has been invited to lecture to her colleagues all over the United States and around the world, including in Hong Kong, Canada, Brazil, Australia, Argentina, and Greece.

Dr. Hu is a member of multiple professional organizations, including the American Academy of Orthopaedic Surgeons, American Orthopaedic Association, International Society for the Study of the Lumbar Spine, Orthopaedic Research Society, and Scoliosis Research Society. She is past president of the Scoliosis Research Society as well as of the American Orthopedic Association.

## CLINICAL FOCUS

- Orthopaedic Surgery of the Spine

## ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Orthopaedic Surgery
- Professor - University Medical Line (By courtesy), Neurosurgery

## ADMINISTRATIVE APPOINTMENTS

- Chief, Orthopaedic Spine Service, Department of Orthopaedic Surgery, (2013- present)

## BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Past-president, Scoliosis Research Society (2023 - present)
- Past-President, American Orthopedic Association (2022 - present)

## PROFESSIONAL EDUCATION

- Residency: Hospital for Special Surgery Orthopaedic Surgery Residency (1989) NY
- Internship: Beth Israel Medical Center (1985) NY
- Medical Education: McGill University Faculty of Medicine (1984) Canada
- Board Certification: Orthopaedic Surgery, American Board of Orthopaedic Surgery (1992)
- Fellowship: Rancho Los Amigos Medical Center (1990) CA

## LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### CLINICAL TRIALS

- Durability of Suppl. Rod Constructs-SuppleMentAry Rod Technique for Long-segment Posterior Instrumented Spinal Fusions, Recruiting
- Does Preoperative Pain Medication Management Influence Surgical Outcomes in Spinal Fusion, Not Recruiting

## Publications

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### PUBLICATIONS

- **Osteoporosis and adult spinal deformity-a review for spinal surgeons by the SRS adult spinal deformity task force on senescence.** *Spine deformity*  
Lord, E., Vincent, M., Walker, C. T., Osorio, J., Molina, C., Jones, K., van Hooff, M., Theologis, A., Yagi, M., Blakemore, L., Shah, S., Hu, S., de, et al  
2026

- **Multisite Spinal Cord and Canal Morphometry Reveals Age-Linked and Sex-Linked Structural Vulnerability in Degenerative Cervical Myelopathy Outcomes.** *Neurosurgery*  
Smith, Z. A., Haynes, G., Bedard, S., Hameed, S., Khan, A. F., Dastgir, A., Baha, A., Kumar, S. G., Van Hal, M., Al Tamimi, M., Hu, S. S., Dhafer, Y., Shakir, et al  
2026
- **Dental Composite Offers Comparable or Greater Pullout and Shear Strength to Lateral Mass Screw Fixation in a Human Cadaveric Model.** *International journal of spine surgery*  
Wadhwa, H., Castro, J., Okoli, O., Chan, C., Ahmad, S. H., Karnowska, A., Hu, S. S., Koltsov, J. C., Bruckman, K. C., Mok, J. M.  
2026
- **Spatial distribution of spinal cord fMRI activity with electrocutaneous stimulation.** *medRxiv : the preprint server for health sciences*  
Bédard, S., Kaptan, M., Indriolo, T., Law, C. S., Pfyffer, D., Lee, L., Ratliff, J., Hu, S., Tharin, S., Smith, Z. A., Glover, G. H., Mackey, S., Cohen-Adad, et al  
2026
- **Widening Gaps in Episode of Care Markers between Medicare Managed Care and Medicare Fee-for-Service in Spinal Fusion.** *The spine journal : official journal of the North American Spine Society*  
Pius, A. K., Wong, H., Koltsov, J. C., Hu, S. S., Schoenfeld, A. J., Xiong, G. X.  
2026
- **Standalone Bilateral Decompression for Grade One Degenerative Spondylolisthesis Results in Durable Relief of Symptoms and Low Reoperation Rate: A Prospective Trial with 10 Years of Follow Up.** *Spine*  
Morse, K. W., Koltsov, J. C., Harper, R., Cheng, I., Hu, S. S., Alamin, T.  
2025
- **Bone Optimization for Perioperative Spine Patients: A Multidisciplinary Approach at a Single Academic Center** *JOURNAL OF CLINICAL MEDICINE*  
Suarez-Nieto, M., Malacon, K., Fox, A., Lopez Isidro, M., Wadhwa, H., Hu, S. S., Zygorakis, C. C.  
2025; 14 (24)
- **Bone Optimization for Perioperative Spine Patients: A Multidisciplinary Approach at a Single Academic Center.** *Journal of clinical medicine*  
Suarez-Nieto, M. V., Malacon, K., Fox, A., Lopez Isidro, M. C., Wadhwa, H., Hu, S. S., Zygorakis, C. C.  
2025; 14 (24)
- **General and Spine-Specific Sarcopenia in Adult Spinal Deformity: a Narrative Overview of Current Strengths and Limitations.** *Global spine journal*  
Bui, T. T., Joseph, K., Yahanda, A. T., Findlay, A. R., Theologis, A. A., Yagi, M., Pizones, J., Walker, C., Lord, E., Eastlack, R. K., Pellisé, F., Osorio, J. A., Jones, et al  
2025: 21925682251393636
- **Automated Segmentation of Forearm Muscles: Clinical Associations With Hand Function, Muscle Volume and Intramuscular Fat.** *JCSM communications*  
Fundaun, J., Oliva, V., Bédard, S., Wesselink, E. O., Lynn, B. P., Pai S. A., Pfyffer, D., Kaptan, M., Berhe, N., Ratliff, J., Hu, S. S., Smith, Z. A., Hastie, et al  
2025; 8 (2): e70015
- **Mapping hand function with simultaneous brain-spinal cord functional MRI.** *Imaging neuroscience (Cambridge, Mass.)*  
Oliva, V., Bédard, S., Kaptan, M., Pfyffer, D., Chy, B., Aufrichtig, S., Berhe, N., Chaudhari, A. S., Tharin, S., Hu, S. S., Ratliff, J., Smith, Z. A., Smith, et al  
2025; 3
- **Prevalence & Economic Burden of Adult Spinal Deformity in a Large United States Commercial Payer Population.** *ClinicoEconomics and outcomes research : CEOR*  
Koltsov, J. C., Ackerman, S. J., McFarlane, K. H., Mehta, S., Brown, M., Gardner, M. J., Hu, S. S., Polly, D. W.  
2025; 17: 687-704
- **Efficacy of Proximal Junctional Tethering in Spinal Fusion Surgery for Preventing Proximal Junctional Kyphosis and Proximal Junctional Failure: A Meta-analysis.** *Neurospine*  
Hsu, Y. C., Lee, H. T., Su, Y. F., Chen, Y. C., Hu, S. S., Hsu, C. C., Tsai, P. I., Hsu, W. B., Lin, D. T., Lee, C. Y., Huang, T. J., Nguyen, T. L., Wu, et al  
2025; 22 (3): 663-677

- **Dental Cement Augmentation Increases Pullout Strength with Comparable Removal Torque for Lateral Mass Screws.** *Spine*  
Castro, J., Wadhwa, H., Okoli, O., Chan, C., Ahmad, S. H., Karnowska, A., Hu, S., Koltsov, J., Bruckman, K., Mok, J.  
2025
- **Comparing the in Vitro Efficacy of Commonly Used Surgical Irrigants for the Treatment of Implant-Associated Infections.** *The Journal of bone and joint surgery. American volume*  
Hamad, C. D., Sheppard, W. L., Chun, R. F., Mamouei, Z., Lloyd, T. S., Li, A. K., Sobti, R., Pearce, J. W., Hernandez, A., Dipane, M. V., Hu, S. S., Bernthal, N. M., McPherson, et al  
2025
- **Current Concepts on Imaging and Artificial Intelligence of Osteosarcopenia in the Aging Spine - A Review for Spinal Surgeons by the SRS Adult Spinal Deformity Task Force on Senescence.** *Spine*  
Walker, C. T., Babadjouni, R., Gibbs, W., Lord, E., Gausper, A., Osorio, J., Molina, C., Jones, K., van Hooff, M., Theologis, A., Yagi, M., Blakemore, L., Shah, et al  
2025
- **Musculoskeletal biomarkers in health and disease: implications for the aging spine-a review for spinal surgeons by the SRS adult spinal deformity task force on senescence.** *Spine deformity*  
Azad, T. D., Li, M. W., Ping-Yeh, C., Jones, K. E., Lord, E. L., Molina, C. A., Walker, C. T., Osorio, J. A., Pizones, J., Theologis, A., van Hooff, M., Yagi, M., Kelly, et al  
2025
- **Preoperative Opioid Misuse Associations With Delayed Opioid Cessation, Pain, and Negative Affect After Spine Surgery.** *Neurospine*  
Hah, J. M., Levine, S. C., Khairnar, S., Pirrotta, L., Ben-Natan, A. R., Tse, E., Hettie, G., Alamin, T., Veeravagu, A., Hu, S., Hernandez-Boussard, T.  
2025; 22 (2): 451-464
- **Improved Risk Adjustment for Comorbid Diagnoses in Administrative Claims Analyses of Orthopaedic Surgery.** *The Journal of bone and joint surgery. American volume*  
Koltsov, J. C., Zhuang, T., Hu, S. S., Kamal, R. N.  
2025
- **Incidence and risk factors for complications following cervical epidural steroid injections.** *The spine journal : official journal of the North American Spine Society*  
Wadhwa, H., Rohde, M., Koltsov, J. C., Cabell, A., Smuck, M., Hu, S. S., Kleimeyer, J. P.  
2024
- **Guidelines for returning to activity after spinal deformity surgery.** *Spine deformity*  
Turtle, J. D., Mehta, J. S., Parent, S., Xiong, G. X., Cheung, J. P., Welborn, M. C., Vaccaro, A. R., Cahill, P. J., Pellisé, F., Hu, S. S.  
2024
- **Healthcare disparities in adult and pediatric spinal deformity: a state of the art review.** *Spine deformity*  
Benn, L., Yamout, T., Tavares Junior, M. C., Denasty, A., Blakemore, L. C., Hu, S. S., Hammouri, Q., Minchew, J., Karikari, I., Osorio, J., Letaif, O. B., Mesfin, A.  
2024
- **Does Discussing Patient-reported Outcome Measures Increase Pain Self-efficacy at an Orthopaedic Visit? A Prospective, Sequential, Comparative Series.** *Clinical orthopaedics and related research*  
Schultz, E. A., Gomez, G. I., Gardner, M. J., Hu, S. S., Safran, M., Amanatullah, D. F., Shapiro, L. M., Kamal, R. N.  
2024
- **Current Use of Patient-Reported Outcome Measures Ignores Functional Demand.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Kamal, R. N., Gomez, G., Chakraborty, A., Leversedge, C., Amanatullah, D. F., Chou, L., Gardner, M. J., Hu, S. S., Safran, M., Zhuang, T., Shapiro, L. M.  
2024
- **Health Numeracy Is Associated With a Patient's Ability to Interpret Patient-Reported Outcome Measures Data.** *Orthopedics*  
Schultz, E. A., Eppler, S. L., Gardner, M., Hu, S. S., Chou, L., Safran, M., Amanatullah, D. F., Abrams, G. D., Shapiro, L. M., Kamal, R. N.  
2024: 1-6
- **Pain Self-Efficacy Can Improve During a Visit With an Orthopedic Surgeon** *ORTHOPEDICS*

- Lemos, J. L., Gomez, G. I., Tewari, P., Amanatullah, D. F., Chou, L., Gardner, M. J., Hu, S., Safran, M., Kamal, R. N.  
2024; 47 (4): e197-e203
- **3D CT modeling demonstrates the anatomic feasibility of S1AI screw trajectory for spinopelvic fixation in neuromuscular scoliosis.** *Spine deformity*  
Bryson, X. M., Pham, N. S., Hollyer, I., Hu, S., Rinsky, L. A., Vorhies, J. S.  
2024
  - **Timelines for Return to Different Sports Types After Eight Cervical Spine Fractures in Recreational and Elite Athletes: A Survey of the Association for Collaborative Spine Research.** *Clinical spine surgery*  
Hung, N. J., McClellan, R. T., Hsu, W., Hu, S. S., Clark, A. J., Theologis, A. A.  
2024
  - **Patient-Level Patterns in Daily Prescribed Opioid Dosage in Single Level Lumbar Fusion are Associated with Postoperative Opioid Dosage and Adverse Events: A Retrospective Analysis of Claims Data.** *The spine journal : official journal of the North American Spine Society*  
Koltsov, J. C., Sambare, T. D., Kleimeyer, J. P., Alamin, T. F., Wood, K. B., Carragee, E. J., Hu, S. S.  
2024
  - **Patient perspectives on AI: a pilot study comparing large language model and physician-generated responses to routine cervical spine surgery questions** *Artificial Intelligence Surgery*  
Yoseph, E. T., Gonzalez-Suarez, A. D., Lang, S., Desai, A., Hu, S. S., Zygorakis, C. C.  
2024
  - **Does Discussing Patient-reported Outcome Measures Increase Pain Self-efficacy at an Orthopaedic Visit? A Prospective, Sequential, Comparative Series** *Does Discussing Patient-reported Outcome Measures Increase Pain Self-efficacy at an Orthopaedic Visit? A Prospective, Sequential, Comparative Series*  
Schultz, E. A., Gomez, G. I., Gardner, M., Hu, S., Safran, M., Amanatullah, D., Shapiro, L. M., Kamal, R. N.  
2024
  - **Polymethyl methacrylate augmentation and proximal junctional kyphosis in adult spinal deformity patients.** *European spine journal : official publication of the European Spine Society, the European Spinal Deformity Society, and the European Section of the Cervical Spine Research Society*  
Bartolozzi, A. R., Oquendo, Y. A., Koltsov, J. C., Alamin, T. F., Wood, K. B., Cheng, I., Hu, S. S.  
2023
  - **Surgical site infection prophylaxis with intra-wound vancomycin powder for uninstrumented spine surgeries: a meta-analysis.** *European spine journal : official publication of the European Spine Society, the European Spinal Deformity Society, and the European Section of the Cervical Spine Research Society*  
Zale, C., Nicholes, M., Hu, S., Cage, J.  
2023
  - **Surgical site infection prophylaxis with intra-wound vancomycin powder for uninstrumented spine surgeries: a meta-analysis** *EUROPEAN SPINE JOURNAL*  
Zale, C., Nicholes, M., Hu, S., Cage, J.  
2023
  - **Is Outpatient Spine Surgery Associated with New, Persistent Opioid Use in Opioid-Naïve Patients? A Retrospective National Claims Database Analysis.** *The spine journal : official journal of the North American Spine Society*  
Schultz, E., Zhuang, T., Shapiro, L. M., Hu, S. S., Kamal, R. N.  
2023
  - **Howard S. An: 2023 International Society for the Study of the Lumbar Spine Wiltse Lifetime Achievement Award.** *Spine*  
Samartzis, D., Aboushaala, K., Albert, T. J., Cha, T., Chee, A., Diwan, A. D., Espinoza-Orias, A., Hu, S. S., Inoue, N., Jacobs, J. J., Lenke, L. G., Louie, P. K., Martin, et al  
2023; 48 (11): 810-813
  - **Howard S. An: 2023 International Society for the Study of the Lumbar Spine Wiltse Lifetime Achievement Award.** *Spine*  
Samartzis, D., Aboushaala, K., Albert, T. J., Cha, T., Chee, A., Diwan, A. D., Espinoza-Orias, A., Hu, S. S., Inoue, N., Jacobs, J. J., Lenke, L. G., Louie, P. K., Martin, et al  
2023; 48 (11): 810-813
  - **Howard S. An: 2023 ISSLS Wiltse Lifetime Achievement Award.** *Spine*

- Samartzis, D., Aboushaala, K., Albert, T. J., Cha, T., Chee, A., Diwan, A. D., Espinoza-Orias, A., Hu, S. S., Inoue, N., Jacobs, J. J., Lenke, L. G., Louie, P. K., Martin, et al  
2023
- **A Stepwise Replicable Approach to Negotiating Value-driven Supply Chain Contracts for Orthobiologics.** *The Journal of the American Academy of Orthopaedic Surgeons*  
Gupta, A., Lee, J., Chawla, A., Rajagopalan, V., Kohler, M., Moelling, B., McFarlane, K. H., Sheth, K. R., Ratliff, J. K., Hu, S. S., Wall, J. K., Shea, K. G.  
2023
  - **Patient-Level Payment Patterns Prior to Single Level Lumbar Decompression are Associated with Resource Utilization, Postoperative Payments, and Adverse Events.** *The spine journal : official journal of the North American Spine Society*  
Koltsov, J. C., Sambare, T. D., Alamin, T. F., Wood, K. B., Cheng, I., Hu, S. S.  
2022
  - **Catastrophic acute failure of pelvic fixation in adult spinal deformity requiring revision surgery: a multicenter review of incidence, failure mechanisms, and risk factors.** *Journal of neurosurgery. Spine*  
Martin, C. T., Holton, K. J., Elder, B. D., Fogelson, J. L., Mikula, A. L., Kleck, C. J., Calabrese, D., Burger, E. L., Ou-Yang, D., Patel, V. V., Kim, H. J., Lovecchio, F., Hu, et al  
2022: 1-9
  - **Health Literacy and Patient Participation in Shared Decision-Making in Orthopedic Surgery** *ORTHOPEDICS*  
Mertz, K., Eppler, S., Shah, R., Yao, J., Steffner, R., Safran, M., Hu, S., Chou, L., Amanatullah, D. F., Kamal, R. N.  
2022; 45 (4): 227-232
  - **Lumbar Motion Is Maintained with Paraspinous Tension Band for Degenerative Spondylolisthesis: Results from 24-month FDA Study**  
Kim, K. D., Sasso, R., Hu, S., Villavicencio, A., Yoon, S., Lavelle, W., Sandhu, H., Bae, H., Deutsch, H., Sethi, K., Fischgrund, J., Stauff, M., Perez-Cruet, et al  
AMER ASSOC NEUROLOGICAL SURGEONS.2022
  - **Robert Gunzburg and Marek Szpalski: 2022 ISSLS Wiltse Lifetime Achievement Award.** *Spine*  
Samartzis, D., Colloca, C., Guyer, R., Hu, S., Nordin, M., Blumenthal, S.  
2022
  - **Leadership Principles in Uncertain Times. Presidential Address to the AOA, June 10, 2021: AOA Critical Issues.** *The Journal of bone and joint surgery. American volume*  
Hu, S. S.  
2022
  - **Healthcare Resource Utilization and Costs Two Years Pre and Post Lumbar Spine Surgery for Stenosis: A National Claims Cohort Study of 22,182 Cases.** *The spine journal : official journal of the North American Spine Society*  
Koltsov, J. C., Sambare, T. D., Alamin, T. F., Wood, K. B., Cheng, I., Hu, S. S.  
2022
  - **Is It Time to Create Training Pathways Allowing Earlier Subspecialization within the "House of Orthopaedics"?: AOA Critical Issues.** *The Journal of bone and joint surgery. American volume*  
Hart, R. A., Daniels, A. H., Shah, K., Amendola, A. A., Harner, C. D., Marsh, L. L., Kenter, K., Hu, S.  
2022
  - **A framework to make PROMs relevant to patients: qualitative study of communication preferences of PROMs.** *Quality of life research : an international journal of quality of life aspects of treatment, care and rehabilitation*  
Lai, C. H., Shapiro, L. M., Amanatullah, D. F., Chou, L. B., Gardner, M. J., Hu, S. S., Safran, M. R., Kamal, R. N.  
2021
  - **Rod-Screw Constructs Composed of Dissimilar Metals Do Not Affect Complication Rates in Posterior Fusion Surgery Performed for Adult Spinal Deformity.** *Clinical spine surgery*  
Denduluri, S. K., Koltsov, J. C., Ziino, C. n., Segovia, N. n., McMains, C. n., Falakassa, J. n., Ratliff, J. n., Wood, K. B., Alamin, T. n., Cheng, I. n., Hu, S. S.  
2021; 34 (2): E121–E125
  - **Is Uncontrolled Diabetes Mellitus Associated with Incidence of Complications After Posterior Instrumented Lumbar Fusion? A National Claims Database Analysis.** *Clinical orthopaedics and related research*

Zhuang, T. n., Feng, A. Y., Shapiro, L. M., Hu, S. S., Gardner, M. n., Kamal, R. N.  
2021

- **Advanced Age Does Not Impact Outcomes After 1-level or 2-level Lateral Lumbar Interbody Fusion.** *Clinical spine surgery*  
Wadhwa, H., Oquendo, Y. A., Tigchelaar, S. S., Warren, S. I., Koltsov, J. C., Desai, A., Veeravagu, A., Alamin, T. F., Ratliff, J. K., Hu, S. S., Cheng, I.  
2021
- **Relationship between industry royalty and licensing payments and patent authorship among orthopaedic spine surgeons.** *The spine journal : official journal of the North American Spine Society*  
Thomas, K. A., Cabell, A., Hu, S. S.  
2020
- **Does a Question Prompt List Improve Perceived Involvement in Care in Orthopaedic Surgery Compared with the AskShareKnow Questions? A Pragmatic Randomized Controlled Trial.** *Clinical orthopaedics and related research*  
Mariano, D. J., Liu, A., Eppler, S. L., Gardner, M. J., Hu, S., Safran, M., Chou, L., Amanatullah, D. F., Kamal, R. N.  
2020
- **Delayed Ejaculation After Lumbar Spine Surgery: A Claims Database Analysis.** *Global spine journal*  
Bhambhani, H. P., Kasman, A. M., Zhang, C. A., Hu, S. S., Eisenberg, M. L.  
2020: 2192568220962435
- **A Cost-Effectiveness Analysis of Smoking-Cessation Interventions Prior to Posterolateral Lumbar Fusion.** *The Journal of bone and joint surgery. American volume*  
Zhuang, T., Ku, S., Shapiro, L. M., Hu, S. S., Cabell, A., Kamal, R. N.  
2020
- **Anterior Lumbar Interbody Fusion With Cage Retrieval for the Treatment of Pseudarthrosis After Transforaminal Lumbar Interbody Fusion: A Single-Institution Case Series.** *Operative neurosurgery (Hagerstown, Md.)*  
Safaei, M. M., Tenorio, A., Haddad, A. F., Wu, B., Hu, S. S., Tay, B., Burch, S., Berven, S. H., Deviren, V., Dhall, S. S., Chou, D., Mummaneni, P. V., Eichler, et al  
2020
- **Rod-Screw Constructs Composed of Dissimilar Metals Do Not Affect Complication Rates in Posterior Fusion Surgery Performed for Adult Spinal Deformity.** *Clinical spine surgery*  
Denduluri, S. K., Koltsov, J. C., Ziino, C., Segovia, N., McMains, C., Falakassa, J., Ratliff, J., Wood, K. B., Alamin, T., Cheng, I., Hu, S. S.  
2020
- **The effect of anterior lumbar interbody fusion staging order on perioperative complications in circumferential lumbar fusions performed within the same hospital admission.** *Neurosurgical focus*  
Safaei, M. M., Tenorio, A., Osorio, J. A., Choy, W., Amara, D., Lai, L., Hu, S. S., Tay, B., Burch, S., Berven, S. H., Deviren, V., Dhall, S. S., Chou, et al  
2020; 49 (3): E6
- **The Importance of Concordance Between Patients and Their Subspecialists** *ORTHOPEDICS*  
Shah, R. F., Mertz, K., Gil, J. A., Eppler, S. L., Amanatullah, D., Yao, J., Chou, L., Steffner, R., Safran, M., Hu, S. S., Kamal, R. N.  
2020; 43 (5): 315-+
- **Preoperative epidural steroid injections are not associated with increased rates of infection and dural tear in lumbar spine surgery.** *European spine journal : official publication of the European Spine Society, the European Spinal Deformity Society, and the European Section of the Cervical Spine Research Society*  
Koltsov, J. C., Smuck, M. W., Alamin, T. F., Wood, K. B., Cheng, I., Hu, S. S.  
2020
- **A Simple Goal Elicitation Tool Improves Shared Decision Making in Outpatient Orthopedic Surgery: A Randomized Controlled Trial.** *Medical decision making : an international journal of the Society for Medical Decision Making*  
Mertz, K., Shah, R. F., Eppler, S. L., Yao, J., Safran, M., Palanca, A., Hu, S. S., Gardner, M., Amanatullah, D. F., Kamal, R. N.  
2020: 272989X20943520
- **Perioperative Anticoagulation Management in Spine Surgery: Initial Findings From the AO Spine Anticoagulation Global Survey.** *Global spine journal*  
Louie, P., Harada, G., Harrop, J., Mroz, T., Al-Saleh, K., Brodano, G. B., Chapman, J., Fehlings, M., Hu, S., Kawaguchi, Y., Mayer, M., Menon, V., Park, et al

2020; 10 (5): 512-527

- **Cervical Epidural Steroid Injections: Incidence and Determinants of Subsequent Surgery.** *The spine journal : official journal of the North American Spine Society*  
Kleimeyer, J. P., Koltsov, J. C., Smuck, M. W., Wood, K. B., Cheng, I., Hu, S. S.  
2020
- **Perioperative Anticoagulation Management in Spine Surgery: Initial Findings From the AO Spine Anticoagulation Global Survey** *GLOBAL SPINE JOURNAL*  
Louie, P., Harada, G., Harrop, J., Mroz, T., Al-Saleh, K., Brodano, G., Chapman, J., Fehlings, M., Hu, S., Kawaguchi, Y., Mayer, M., Menon, V., Park, et al  
2020
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