



Serena Hu, MD

Professor of Orthopaedic Surgery and, by courtesy, of Neurosurgery

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

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Bio

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

- Treasurer, Scoliosis Research Society (2019 - present)
- President-elect, American Orthopedic Association (2020 - 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>

Publications

PUBLICATIONS

- **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
- **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 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
- **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.)*
Safae, 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*
Safae, 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
- **Outcomes and Quality of Life Improvement After Multilevel Spinal Fusion in Elderly Patients.** *Global spine journal*
Ibrahim, J. M., Singh, P., Beckerman, D., Hu, S. S., Tay, B., Deviren, V., Burch, S., Berven, S. H.
2020; 10 (2): 153-159
- **Cost Analysis of Single-Level Lumbar Fusions.** *Global spine journal*
Beckerman, D., Esparza, M., Lee, S. I., Berven, S. H., Bederman, S. S., Hu, S. S., Burch, S., Deviren, V., Tay, B., Mummaneni, P. V., Chou, D., Ames, C. P.
2020; 10 (1): 39-46
- **Factors Affecting the Decision to Initiate Anticoagulation After Spine Surgery: Findings From the AOSpine Anticoagulation Global Initiative.** *Global spine journal*
Gandhi, S. D., Khanna, K. n., Harada, G. n., Louie, P. n., Harrop, J. n., Mroz, T. n., Al-Saleh, K. n., Brodano, G. B., Chapman, J. n., Fehlings, M. G., Hu, S. S., Kawaguchi, Y. n., Mayer, et al
2020: 2192568220948027
- **The impact of obesity on perioperative complications in patients undergoing anterior lumbar interbody fusion.** *Journal of neurosurgery. Spine*
Safae, M. M., Tenorio, A. n., Osorio, J. A., Choy, W. n., Amara, D. n., Lai, L. n., Molinaro, A. M., Zhang, Y. n., Hu, S. S., Tay, B. n., Burch, S. n., Berven, S. H., Deviren, et al
2020: 1-10
- **Decompression With or Without Fusion for Lumbar Stenosis: A Cost Minimization Analysis.** *Spine*
Ziino, C. n., Mertz, K. n., Hu, S. n., Kamal, R. n.
2020; 45 (5): 325-32
- **Timing of Lumbar Spinal Fusion Affects Total Hip Arthroplasty Outcomes.** *Journal of the American Academy of Orthopaedic Surgeons. Global research & reviews*
Bala, A., Chona, D. V., Amanatullah, D. F., Hu, S. S., Wood, K. B., Alamin, T. F., Cheng, I.
2019; 3 (11): e00133
- **Local Application of Vancomycin in Spine Surgery Does Not Result in Increased Vancomycin-Resistant Bacteria-10-Year Data.** *Spine deformity*
Khanna, K., Valone, F., Tenorio, A., Grace, T., Burch, S., Berven, S., Tay, B., Deviren, V., Hu, S. S.
2019; 7 (5): 696-701
- **Local Application of Vancomycin in Spine Surgery Does Not Result in Increased Vancomycin-Resistant Bacteria-10-Year Data.** *Spine deformity*
Khanna, K., Valone, F. 3., Tenorio, A., Grace, T., Burch, S., Berven, S., Tay, B., Deviren, V., Hu, S. S.
2019; 7 (5): 696-701

- **Short-Term Outcomes of Staged Versus Same-Day Surgery for Adult Spinal Deformity Correction.** *Spine deformity*
Arzeno, A. H., Koltsov, J., Alamin, T. F., Cheng, I., Wood, K. B., Hu, S. S.
2019; 7 (5): 796
- **Short-Term Outcomes of Staged Versus Same-Day Surgery for Adult Spinal Deformity Correction.** *Spine deformity*
Arzeno, A. H., Koltsov, J., Alamin, T. F., Cheng, I., Wood, K. B., Hu, S. S.
2019; 7 (5): 796-804
- **Reliability of radiological measurements of type 2 odontoid fracture** *SPINE JOURNAL*
Karamian, B. A., Liu, N., Ajiboye, R. M., Cheng, I., Hu, S. S., Wood, K. B.
2019; 19 (8): 1324–30
- **Asymmetric Pedicle Subtraction Osteotomy for Adult Spinal Deformity with Coronal Imbalance: Complications, Radiographic and Surgical Outcomes.** *Operative neurosurgery (Hagerstown, Md.)*
Chan, A. K., Lau, D., Osorio, J. A., Yue, J. K., Berven, S. H., Burch, S., Hu, S. S., Mummaneni, P. V., Deviren, V., Ames, C. P.
2019
- **Outcomes and Quality of Life Improvement After Multilevel Spinal Fusion in Elderly Patients** *GLOBAL SPINE JOURNAL*
Ibrahim, J. M., Singh, P., Beckerman, D., Hu, S. S., Tay, B., Deviren, V., Burch, S., Berven, S. H.
2019
- **Lumbar epidural steroid injections for herniation and stenosis: incidence and risk factors of subsequent surgery** *SPINE JOURNAL*
Koltsov, J. B., Smuck, M. W., Zagel, A., Alamin, T. F., Wood, K. B., Cheng, I., Hu, S. S.
2019; 19 (2): 199–205
- **Reliability of Radiological Measurements of Type-2 Odontoid Fracture.** *The spine journal : official journal of the North American Spine Society*
Karamian, B. A., Liu, N. n., Ajiboye, R. M., Cheng, I. n., Hu, S. S., Wood, K. B.
2019
- **The Relationship Between Lumbar Lateral Listhesis and Radiculopathy in Adult Scoliosis.** *Spine*
Kleimeyer, J. P., Liu, N. n., Hu, S. S., Cheng, I. n., Alamin, T. n., Grottkau, B. E., Kukreja, S. n., Wood, K. B.
2019; 44 (14): 1003–9
- **The comprehensive anatomical spinal osteotomy and anterior column realignment classification** *JOURNAL OF NEUROSURGERY-SPINE*
Uribe, J. S., Schwab, F., Mundis, G. M., Xu, D. S., Januszewski, J., Kanter, A. S., Okonkwo, D. O., Hu, S. S., Vedat, D., Eastlack, R., Berjano, P., Mummaneni, P.
2018; 29 (5): 565–75
- **Selective Anterior Lumbar Interbody Fusion for Low Back Pain Associated With Degenerative Disc Disease Versus Nonsurgical Management** *SPINE*
Kleimeyer, J. P., Cheng, I., Alamin, T. F., Hu, S. S., Cha, T., Yanamadala, V., Wood, K. B.
2018; 43 (19): 1372–80
- **Lumbar Epidural Steroid Injections for Herniation and Stenosis: Incidence and Risk Factors of Subsequent Surgery.** *The spine journal : official journal of the North American Spine Society*
Koltsov, J. C., Smuck, M. W., Zagel, A., Alamin, T. F., Wood, K. B., Cheng, I., Hu, S. S.
2018
- **What Is the State of Quality Measurement in Spine Surgery?** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Bennett, C., Xiong, G., Hu, S., Wood, K., Kamal, R. N.
2018; 476 (4): 725–31
- **Does timing of transplantation of neural stem cells following spinal cord injury affect outcomes in an animal model?** *Journal of spine surgery (Hong Kong)*
Cheng, I., Park, D. Y., Mayle, R. E., Githens, M., Smith, R. L., Park, H. Y., Hu, S. S., Alamin, T. F., Wood, K. B., Kharazi, A. I.
2017; 3 (4): 567–71
- **Graft Subsidence and Revision Rates Following Anterior Cervical Corpectomy: A Clinical Study Comparing Different Interbody Cages.** *Clinical spine surgery*
Weber, M. H., Fortin, M., Shen, J., Tay, B., Hu, S. S., Berven, S., Burch, S., Chou, D., Ames, C., Deviren, V.
2017; 30 (9): E1239-E1245
- **A Comparison of Implants Used in Open-Door Laminoplasty: Structural Rib Allografts Versus Metallic Miniplates.** *Clinical spine surgery*

- Tabaraee, E., Mummaneni, P., Abdul-Jabbar, A., Shearer, D., Roy, E., Amin, B., Ames, C., Burch, S., Deviren, V., Berven, S., Hu, S., Chou, D., Tay, et al
2017; 30 (5): E523-E529
- **The Relationship Between Cervical Degeneration and Global Spinal Alignment in Patients With Adult Spinal Deformity** *CLINICAL SPINE SURGERY*
Fujimori, T., Le, H., Schairer, W., Inoue, S., Iwasaki, M., Oda, T., Hu, S. S.
2017; 30 (4): E423-E429
 - **Predicting complication risk in spine surgery: a prospective analysis of a novel risk assessment tool.** *Journal of neurosurgery. Spine*
Veeravagu, A., Li, A., Swinney, C., Tian, L., Moraff, A., Azad, T. D., Cheng, I., Alamin, T., Hu, S. S., Anderson, R. L., Shuer, L., Desai, A., Park, et al
2017: 1-11
 - **Current Evidence Regarding Diagnostic Imaging Methods for Pediatric Lumbar Spondylolysis: A Report From the Scoliosis Research Society Evidence-Based Medicine Committee.** *Spine deformity*
Ledonio, C. G., Burton, D. C., Crawford, C. H., Bess, R. S., Buchowski, J. M., Hu, S. S., Lonner, B. S., Polly, D. W., Smith, J. S., Sanders, J. O.
2017; 5 (2): 97-101
 - **Adult Lumbar Scoliosis: Nonsurgical Versus Surgical Management.** *Instructional course lectures*
Falakassa, J., Hu, S. S.
2017; 66: 353-360
 - **Intervertebral disc/bone marrow cross-talk with Modic changes.** *European spine journal*
Dudli, S., Sing, D. C., Hu, S. S., Berven, S. H., Burch, S., Deviren, V., Cheng, I., Tay, B. K., Alamin, T. F., Ith, M. A., Pietras, E. M., Lotz, J. C.
2017
 - **In Patients with Lumbar Spinal Stenosis, Adding Fusion Surgery to Decompression Surgery Did Not Improve Outcomes at 2 Years.** *journal of bone and joint surgery. American volume*
Hu, S. S.
2016; 98 (22): 1936-?
 - **The Relationship Between Cervical Degeneration and Global Spinal Alignment in Patients With Adult Spinal Deformity.** *Clinical spine surgery*
Fujimori, T., Le, H., Schairer, W., Inoue, S., Iwasaki, M., Oda, T., Hu, S. S.
2016: -?
 - **Effect of Expectations on Treatment Outcome for Lumbar Intervertebral Disc Herniation.** *Spine*
Lurie, J. D., Henderson, E. R., McDonough, C. M., Berven, S. H., Scherer, E. A., Tosteson, T. D., Tosteson, A. N., Hu, S. S., Weinstein, J. N.
2016; 41 (9): 803-9
 - **Revision surgery for lumbar pseudarthrosis.** *The spine journal : official journal of the North American Spine Society*
Dede, O., Thuillier, D., Pekmezci, M., Ames, C. P., Hu, S. S., Berven, S. H., Deviren, V.
2015; 15 (5): 977-82
 - **Does Transforaminal Lumbar Interbody Fusion Have Advantages over Posterolateral Lumbar Fusion for Degenerative Spondylolisthesis?** *Global spine journal*
Fujimori, T., Le, H., Schairer, W. W., Berven, S. H., Qamirani, E., Hu, S. S.
2015; 5 (2): 102-9
 - **Ossification of the posterior longitudinal ligament of the cervical spine in 3161 patients: a CT-based study.** *Spine*
Fujimori, T., Le, H., Hu, S. S., Chin, C., Pekmezci, M., Schairer, W., Tay, B. K., Hamasaki, T., Yoshikawa, H., Iwasaki, M.
2015; 40 (7): E394-403
 - **The fellowship match process: the history and a report of the current experience.** *journal of bone and joint surgery. American volume*
Cannada, L. K., Luhmann, S. J., Hu, S. S., Quinn, R. H.
2015; 97 (1)
 - **Current Evidence Regarding the Etiology, Prevalence, Natural History, and Prognosis of Pediatric Lumbar Spondylolysis: A Report from the Scoliosis Research Society Evidence-Based Medicine Committee.** *Spine deformity*
Crawford, C. H., Ledonio, C. G., Bess, R. S., Buchowski, J. M., Burton, D. C., Hu, S. S., Lonner, B. S., Polly, D. W., Smith, J. S., Sanders, J. O.
2015; 3 (1): 12-29
 - **Current Evidence Regarding the Surgical and Nonsurgical Treatment of Pediatric Lumbar Spondylolysis: A Report from the Scoliosis Research Society Evidence-Based Medicine Committee.** *Spine deformity*

- Crawford, C. H., Ledonio, C. G., Bess, R. S., Buchowski, J. M., Burton, D. C., Hu, S. S., Lonner, B. S., Polly, D. W., Smith, J. S., Sanders, J. O.
2015; 3 (1): 30-44
- **The Increased Prevalence of Cervical Spondylosis in Patients With Adult Thoracolumbar Spinal Deformity** *JOURNAL OF SPINAL DISORDERS & TECHNIQUES*
Schairer, W. W., Carrer, A., Lu, M., Hu, S. S.
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