

Stanford



Serena Hu, MD

Professor of Orthopaedic Surgery and, by courtesy, of Neurosurgery

CLINICAL OFFICES

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ACADEMIC CONTACT INFORMATION

- **Academic office**

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Bio

CLINICAL FOCUS

- Orthopaedic Surgery

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

- **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

- **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.
2014; 27 (8): E305-E308
- **Hospital readmission rates after surgical treatment of primary and metastatic tumors of the spine.** *Spine*
Schairer, W. W., Carrer, A., Sing, D. C., Chou, D., Mummaneni, P. V., Hu, S. S., Berven, S. H., Burch, S., Tay, B., Deviren, V., Ames, C.
2014; 39 (21): 1801-8
- **Venous Thromboembolism After Spine Surgery.** *Spine*
Schairer, W. W., Pedtke, A. C., Hu, S. S.
2014; 39 (11): 911-918
- **Long fusion from sacrum to thoracic spine for adult spinal deformity with sagittal imbalance: upper versus lower thoracic spine as site of upper instrumented vertebra.** *Neurosurgical focus*
Fujimori, T., Inoue, S., Le, H., Schairer, W. W., Berven, S. H., Tay, B. K., Deviren, V., Burch, S., Iwasaki, M., Hu, S. S.
2014; 36 (5): E9
- **The concomitance of cervical spondylosis and adult thoracolumbar spinal deformity.** *Evidence-based spine-care journal*
Weber, M. H., Hong, C. H., Schairer, W. W., Takemoto, S., Hu, S. S.

2014; 5 (1): 6-11

- **Intervertebral discs from spinal nondeformity and deformity patients have different mechanical and matrix properties.** *The spine journal : official journal of the North American Spine Society*
Cheng, K. K., Berven, S. H., Hu, S. S., Lotz, J. C.
2014; 14 (3): 522-30
- **Predictive factors for proximal junctional kyphosis in long fusions to the sacrum in adult spinal deformity.** *Spine*
Maruo, K., Ha, Y., Inoue, S., Samuel, S., Okada, E., Hu, S. S., Deviren, V., Burch, S., William, S., Ames, C. P., Mummaneni, P. V., Chou, D., Berven, et al
2013; 38 (23): E1469-76
- **Surgical site infections in spine surgery: identification of microbiologic and surgical characteristics in 239 cases.** *Spine*
Abdul-Jabbar, A., Berven, S. H., Hu, S. S., Chou, D., Mummaneni, P. V., Takemoto, S., Ames, C., Deviren, V., Tay, B., Weinstein, P., Burch, S., Liu, C.
2013; 38 (22): E1425-31
- **Hospital readmission after spine fusion for adult spinal deformity.** *Spine*
Schairer, W. W., Carrer, A., Deviren, V., Hu, S. S., Takemoto, S., Mummaneni, P., Chou, D., Ames, C., Burch, S., Tay, B., Sawyer, A., Berven, S. H.
2013; 38 (19): 1681-9
- **Proximal junctional kyphosis and clinical outcomes in adult spinal deformity surgery with fusion from the thoracic spine to the sacrum: a comparison of proximal and distal upper instrumented vertebrae.** *Journal of neurosurgery. Spine*
Ha, Y., Maruo, K., Racine, L., Schairer, W. W., Hu, S. S., Deviren, V., Burch, S., Tay, B., Chou, D., Mummaneni, P. V., Ames, C. P., Berven, S. H.
2013; 19 (3): 360-9
- **Spontaneous improvement of cervical alignment after correction of global sagittal balance following pedicle subtraction osteotomy.** *Journal of neurosurgery. Spine*
Smith, J. S., Shaffrey, C. I., Lafage, V., Blondel, B., Schwab, F., Hostin, R., Hart, R., O'Shaughnessy, B., Bess, S., Hu, S. S., Deviren, V., Ames, C. P.
2012; 17 (4): 300-7
- **Surgical site infection in spinal surgery: description of surgical and patient-based risk factors for postoperative infection using administrative claims data.** *Spine*
Abdul-Jabbar, A., Takemoto, S., Weber, M. H., Hu, S. S., Mummaneni, P. V., Deviren, V., Ames, C. P., Chou, D., Weinstein, P. R., Burch, S., Berven, S. H.
2012; 37 (15): 1340-5
- **Direct lateral approach to lumbar fusion is a biomechanically equivalent alternative to the anterior approach: an in vitro study.** *Spine*
Laws, C. J., Coughlin, D. G., Lotz, J. C., Serhan, H. A., Hu, S. S.
2012; 37 (10): 819-25
- **Value-based care in the management of spinal disorders: a systematic review of cost-utility analysis.** *Clinical orthopaedics and related research*
Indrakanti, S. S., Weber, M. H., Takemoto, S. K., Hu, S. S., Polly, D., Berven, S. H.
2012; 470 (4): 1106-23
- **In vivo intervertebral disc characterization using magnetic resonance spectroscopy and T1# imaging: association with discography and Oswestry Disability Index and Short Form-36 Health Survey.** *Spine*
Zuo, J., Joseph, G. B., Li, X., Link, T. M., Hu, S. S., Berven, S. H., Kurhanewicz, J., Majumdar, S.
2012; 37 (3): 214-21
- **Diagnostic tools and imaging methods in intervertebral disk degeneration.** *The Orthopedic clinics of North America*
Majumdar, S., Link, T. M., Steinbach, L. S., Hu, S., Kurhanewicz, J.
2011; 42 (4): 501-11, viii
- **Iliac crest bone graft: are the complications overrated?** *The spine journal : official journal of the North American Spine Society*
Hu, S. S.
2011; 11 (6): 538-9
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