

Stanford



Kirkham Wood

Professor of Orthopaedic Surgery

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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Bio

CLINICAL FOCUS

- Orthopaedic Surgery of the Spine

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Orthopaedic Surgery

PROFESSIONAL EDUCATION

- Medical Education: Albany Medical College (1984) NY
- Board Certification: Orthopaedic Surgery, American Board of Orthopaedic Surgery (1994)
- Fellowship: University of Minnesota/Twin Cities Scoliosis Spine Center (1991) MA
- Residency: Univ Of Pittsburgh Medical Ctr (1989) PA
- Internship: Univ Of Pittsburgh Medical Ctr (1986) PA

LINKS

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

Publications

PUBLICATIONS

- **What would you do first? A survey of treatment priorities for patients with hip-spine syndrome among spine and hip surgeons.** *BMC musculoskeletal disorders*
Breuning, C., Tian, X., Goronzy, J., Günther, K. P., Platz, U., Beyer, F., Disch, A. C., Lachiewicz, P. F., Liu, N., Goodman, S. B., Wood, K. B., Zwingenberger, S.
2026
- **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

- **Reliability of semi-automated spinal measurement software.** *Spine deformity*
Follett, M., Karamian, B., Liu, N., Alamin, T., Wood, K. B.
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
- **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.
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- **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
- **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
- **Bacteria in Surgical Smoke: A Self-Controlled Lab Study Using Porcine Spinal Tissues.** *Spine*
Zhu, Z., Liu, N., Xia, W., Liu, H., Wood, K. B., Wang, K.
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
- **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
- **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
- **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
- **Knee or Spine Surgery First? A Survey of Treatment Order for Patients With Concurrent Degenerative Knee and Lumbar Spinal Disorders.** *The Journal of arthroplasty*
Goodman, S. B., Lachiewicz, P. F., Liu, N. n., Wood, K. B.
2020
- **Lateral femoral sliding osteotomy in total knee arthroplasty with valgus deformity greater than twenty degrees** *INTERNATIONAL ORTHOPAEDICS*
Li, F., Liu, N., Li, Z., Wood, K. B., Tian, H.
2019; 43 (11): 2511–17

- **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
- **The Utility of Local Smoke Evacuation in Reducing Surgical Smoke Exposure in Spine Surgery: A Prospective Self-Controlled Study.** *The spine journal : official journal of the North American Spine Society*
Liu, N., Filipp, N., Wood, K. B.
2019
- **Short-Term Outcomes of Staged Versus Same-Day Surgery for Adult Spinal Deformity Correction.** *Spine deformity*
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- **Reliability of radiological measurements of type 2 odontoid fracture** *SPINE JOURNAL*
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- **The Association of Financial Distress With Disability in Orthopaedic Surgery.** *The Journal of the American Academy of Orthopaedic Surgeons*
Mertz, K., Eppler, S. L., Thomas, K., Alokozai, A., Yao, J., Amanatullah, D. F., Chou, L., Wood, K. B., Safran, M., Steffner, R., Gardner, M., Kamal, R. N.
2019; 27 (11): e522–e528
- **Lumbar epidural steroid injections for herniation and stenosis: incidence and risk factors of subsequent surgery** *SPINE JOURNAL*
Koltsov, J. C. B., Smuck, M. W., Zagel, A., Alamin, T. F., Wood, K. B., Cheng, I., Hu, S. S.
2019; 19 (2): 199–205
- **Lateral femoral sliding osteotomy in total knee arthroplasty with valgus deformity greater than twenty degrees.** *International orthopaedics*
Li, F., Liu, N., Li, Z., Wood, K. B., Tian, 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.
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- **Abnormally high dislocation rate following constrained condylar knee arthroplasty for valgus knee: a case-control study.** *Journal of orthopaedic surgery and research*
Li, F. n., Liu, N. n., Li, Z. n., Wood, K. B., Tian, H. n.
2019; 14 (1): 268
- **Postoperative Radiographic Evaluation Following Adult Spine Deformity Correction: The Impact on Subsequent Management and Associated Risk of Radiation Exposure.** *Spine deformity*
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- **A Structured Review Instrument Improves the Quality of Orthopaedic Journal Club** *JOURNAL OF SURGICAL EDUCATION*
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- **Postoperative Radiographic Evaluation Following Adult Spine Deformity Correction : The Impact on Subsequent Management and Associated Risk of Radiation Exposure.** *Spine deformity*
Boddu, C. n., Jacobson, M. n., Curtin, P. B., Lawlor, C. E., Wood, K. n., Grottkau, B. E.
2019; 7 (1): 146–51
- **The Relationship Between Lumbar Lateral Listhesis and Radiculopathy in Adult Scoliosis.** *Spine*
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- **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.
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- **Patient Perceptions Correlate Weakly With Observed Patient Involvement in Decision-making in Orthopaedic Surgery** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
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- **A Structured Review Instrument Improves the Quality of Orthopaedic Journal Club.** *Journal of surgical education*
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- **Patient Perceptions Correlate Weakly With Observed Patient Involvement in Decision-making in Orthopaedic Surgery.** *Clinical orthopaedics and related research*
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2018
- **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
- **Commentary of Acute and Hyperacute Thoracolumbar Corpectomy for Traumatic Burst Fractures Using a Mini-open Lateral Approach** *SPINE*
Wood, K. B.
2018; 43 (2): E125
- **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
- **Comparison of Decompression With and Without Fusion for Patients With Synovial Facet Cysts** *CLINICAL SPINE SURGERY*
van Dijke, M., Janssen, S. J., Cha, T. D., Wood, K. B., Borges, L. F., Harris, M. B., Bono, C. M., Schwab, J. H.
2017; 30 (10): E1399–E1404
- **Surgery for Refractory Coccygodynia** *SPINE*
Kleimeyer, J. P., Wood, K. B., Lonne, G., Herzog, T., Ju, K., Beyer, L., Park, C.
2017; 42 (16): 1214–19
- **Ranges of Cervical Intervertebral Disc Deformation During an In Vivo Dynamic Flexion-Extension of the Neck** *JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME*
Yu, Y., Mao, H., Li, J., Tsai, T., Cheng, L., Wood, K. B., Li, G., Cha, T. D.
2017; 139 (6)
- **In Vivo Characteristics of Nondegenerated Adjacent Segment Intervertebral Foramina in Patients With Degenerative Disc Disease During Flexion-Extension** *SPINE*
Cha, T. D., Moore, G., Liow, M., Zhong, W., Wu, M., Wang, S., Kang, J. D., Wood, K. B., Li, G.
2017; 42 (6): 359–65
- **Multiple-hook fixation in revision spinal deformity surgery for patients with a previous multilevel fusion mass: technical note and preliminary outcomes** *JOURNAL OF NEUROSURGERY-SPINE*
Liu, N., Wood, K. B.

2017; 26 (3): 368-373

- **The effect of short (2-weeks) versus long (6-weeks) post-operative restrictions following lumbar discectomy: a prospective randomized control trial.** *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*
Bono, C. M., Leonard, D. A., Cha, T. D., Schwab, J. H., Wood, K. B., Harris, M. B., Schoenfeld, A. J.
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- **The effect of short (2-weeks) versus long (6-weeks) post-operative restrictions following lumbar discectomy: a prospective randomized control trial** *EUROPEAN SPINE JOURNAL*
Bono, C. M., Leonard, D. A., Cha, T. D., Schwab, J. H., Wood, K. B., Harris, M. B., Schoenfeld, A. J.
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- **Lumbar Osteotomy** *SPINE*
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- **Lumbar Osteotomy.** *Spine*
Wood, K. B.
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- **GAMMA-RAY FLARE ACTIVITY FROM PSR B1259-63 DURING 2014 PERIASTRON PASSAGE AND COMPARISON TO ITS 2010 PASSAGE** *ASTROPHYSICAL JOURNAL*
Caliandro, G. A., Cheung, C. C., Li, J., Scargle, J. L., Torres, D. F., Wood, K. S., Chernyakova, M.
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- **CLASS SIZE AND STUDENT EVALUATIONS OF FACULTY** *JOURNAL OF HIGHER EDUCATION*
Wood, K., LINSKY, A. S., Straus, M. A.
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