



John Schoeneman Vorhies

Assistant Professor of Orthopaedic Surgery

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Palo Alto Orthopedics and Sports Medicine Clinic**

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ACADEMIC CONTACT INFORMATION

- **Academic Admin**

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Bio

CLINICAL FOCUS

- Pediatric Spinal Deformity
- Pediatric Hip Disorders
- Neuromuscular Disorders
- Pediatric Orthopaedic Trauma
- General Pediatric Orthopaedics
- Foot and Ankle
- Pediatric Orthopedic Surgery

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Orthopaedic Surgery
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Stanford Medicine Children's Healthcare Director of Scoliosis & Spine Deformity Surgery & Research, Stanford, (2022- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- FAAOS, American Academy of Orthopaedic Surgeons (2020 - present)

PROFESSIONAL EDUCATION

- Medical Education: Stanford University School of Medicine (2011) CA
- Board Certification: Orthopaedic Surgery, American Board of Orthopaedic Surgery (2019)
- Fellowship: University of Texas Southwestern Pediatric Orthopaedic Surgery Fellowship (2017) TX
- Residency: Stanford University Orthopaedic Surgery Residency (2016) CA

Publications

PUBLICATIONS

- **Effectiveness of psychosocial interventions for pediatric patients with scoliosis: a systematic review** *World Journal of Pediatric Surgery*
van Niekerk, M., Richey, A., Vorhies, J., Wong, C., Tileston, K.
2023; 6 (e000513)
- **Complication risks and costs associated with Ponte osteotomies in surgical treatment of adolescent idiopathic scoliosis: insights from a national database.** *Spine deformity*
Shaheen, M., Koltsov, J. C., Cohen, S. A., Langner, J. L., Kaur, J., Segovia, N. A., Vorhies, J. S.
2022
- **Innovative technique for early-onset scoliosis casting using Jackson table.** *Spine deformity*
Montgomery, B. K., Tileston, K., Kaur, J., Kym, D., Segovia, N. A., Imrie, M., Policy, J., Rinsky, L., Vorhies, J.
2022
- **Indications for and Risks Associated With Implant Removal After Pediatric Trauma.** *Journal of the American Academy of Orthopaedic Surgeons. Global research & reviews*
Montgomery, B. K., Gamble, J. G., Kha, S. T., Hecht, G. G., Vorhies, J. S., Lucas, J. F.
2022; 6 (4)
- **Indications for and Risks Associated With Implant Removal After Pediatric Trauma** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS GLOBAL RESEARCH AND REVIEWS*
Montgomery, B. K., Gamble, J. G., Kha, S. T., Hecht, G. G., Vorhies, J. S., Lucas, J. F.
2022; 6 (4)
- **Systemic lidocaine absorption from continuous erector spinae plane catheters after paediatric posterior spine fusion surgery.** *Regional anesthesia and pain medicine*
Pan, S., Lee, C. K., Caruso, T. J., Vorhies, J. S., Tsui, B. C.
2022
- **Does Navigation Make Spinal Fusion for Adolescent Idiopathic Scoliosis Safer? Insights From a National Database.** *Spine*
Kaur, J., Koltsov, J. C., Kwong, J. W., Cheng, I., Vorhies, J. S.
2021; 46 (19): E1049-E1057
- **Remodeling of Sagittal Plane Malunion After Pediatric Supracondylar Humerus Fractures.** *Journal of pediatric orthopedics*
Gamble, J. G., Vorhies, J. S.
2021; 41 (8): e700-e701
- **The Utility of Intraoperative Arthrogram in the Management of Pediatric Lateral Condyle Fractures of the Humerus** *ORTHOPEDICS*
Vorhies, J., Funk, S., Elliott, M., Riccio, A., Ramo, B.
2020; 43 (1): 30-35
- **Automatic Extraction of Skeletal Maturity from Whole Body Pediatric Scoliosis X-rays Using Regional Proposal and Compound Scaling Convolutional Neural Networks**
Ha, A., Vorhies, J., Campion, A., Fang, C., Fadell, M., Dou, S., Halabi, S., Larson, D., Wang, E., Lee, Y., Langner, J., Kaur, J., Do, et al
IEEE COMPUTER SOC.2020: 996-1000
- **Remodeling of Sagittal Plane Malunion After Pediatric Supracondylar Humerus Fractures.** *Journal of pediatric orthopedics*
Gamble, J. G., Vorhies, J. S.
2020
- **The Impact of Subspecialty Fellows on Orthopaedic Resident Surgical Experience: A Multicenter Study of 51,111 Cases.** *The Journal of the American Academy of Orthopaedic Surgeons*
Jiang, S. Y., Carlock, K. D., Campbell, S. T., Vorhies, J. S., Gardner, M. J., Leucht, P. n., Bishop, J. A.
2020
- **Posterior Sternoclavicular Dislocation: Do We Need "Cardiothoracic Backup"? Insights from a National Sample.** *Journal of orthopaedic trauma*
Leonard, D. A., Segovia, N., Kaur, J., Lucas, J., Bishop, J., Vorhies, J. S.

2019

- **Debridement, antibiotic pearls, and retention of the implant (DAPRI): A modified technique for implant retention in total knee arthroplasty PJI treatment.** *Journal of orthopaedic surgery (Hong Kong)*
Calanna, F., Chen, F., Risitano, S., Vorhies, J. S., Franceschini, M., Giori, N. J., Indelli, P. F.
2019; 27 (3): 2309499019874413
- **Moving toward patients being pain- and spasm-free after pediatric scoliosis surgery by using bilateral surgically-placed erector spinae plane catheters.** *Canadian journal of anaesthesia = Journal canadien d'anesthesie*
Tsui, B. C., Esfahanian, M. n., Lin, C. n., Policy, J. n., Vorhies, J. n.
2019
- **Treatment in a Nonpediatric Hospital Is a Risk Factor for Open Reduction of Pediatric Supracondylar Humerus Fractures: A Population-Based Study.** *Journal of orthopaedic trauma*
Vorhies, J. S., Uzosike, O. B., Imrie, M. N., Rinsky, L. n., Hoffinger, S. n.
2019; 33 (9): e331–e338
- **An Excellent Addition to Recent Studies in the US From Various Disciplines and Locations That Show Similar Results Response** *JOURNAL OF ORTHOPAEDIC TRAUMA*
Bishop, J., Vorhies, J., Paci, G.
2019; 33 (1): E38
- **In response.** *Journal of orthopaedic trauma*
Bishop, J., Vorhies, J., Paci, G.
2019; 33 (1): e38
- **Severity Adjusted Risk of Long-Term Adverse Sequelae Among Children with Osteomyelitis.** *The Pediatric infectious disease journal*
Vorhies, J. S., Lindsay, E. A., Tareen, N. G., Kellum, R. J., Jo, C. H., Copley, L. A.
2018
- **Treatment of Degenerative Lumbar Spondylolisthesis With Fusion or Decompression Alone Results in Similar Rates of Reoperation at 5 Years.** *Clinical spine surgery*
Vorhies, J. S., Hernandez-Boussard, T. n., Alamin, T. n.
2018; 31 (1): E74–E79
- **Pediatric Supracondylar Humerus Fractures: Does After-Hours Treatment Influence Outcomes?** *Journal of orthopaedic trauma*
Paci, G. M., Tileston, K. R., Vorhies, J. S., Bishop, J. A.
2018; 32 (6): e215–e220
- **Does the Watson-Jones or Modified Smith-Petersen Approach Provide Superior Exposure for Femoral Neck Fracture Fixation?** *Clinical orthopaedics and related research*
Lichstein, P. M., Kleimeyer, J. P., Githens, M. n., Vorhies, J. S., Gardner, M. J., Bellino, M. n., Bishop, J. n.
2018
- **Admission Through the Emergency Department Is an Independent Risk Factor for Lower Satisfaction With Physician Performance Among Orthopaedic Surgery Patients: A Multicenter Study** *JOURNAL OF THE AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS*
Vorhies, J. S., Weaver, M. J., Bishop, J. A.
2016; 24 (10): 735-742
- **Growth mechanisms and geochemistry of carbonate concretions from the Cambrian Wheeler Formation (Utah, USA)** *SEDIMENTOLOGY*
Gaines, R. R., Vorhies, J. S.
2016; 63 (3): 662-698
- **Legal restrictions and complications of abortion: Insights from data on complication rates in the United States** *JOURNAL OF PUBLIC HEALTH POLICY*
Rolnick, J. A., Vorhies, J. S.
2012; 33 (3): 348-362
- **Decreased Length of Stay After TKA Is Not Associated With Increased Readmission Rates in a National Medicare Sample** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Vorhies, J. S., Wang, Y., Herndon, J. H., Maloney, W. J., Huddleston, J. I.
2012; 470 (1): 166-171

- **Readmission and Length of Stay After Total Hip Arthroplasty in a National Medicare Sample** *JOURNAL OF ARTHROPLASTY*
Vorhies, J. S., Wang, Y., Herndon, J., Maloney, W., Huddleston, J. I.
2011; 26 (6): 119-123
- **siRNA Versus shRNA for Personalized Cancer Therapy: Mechanisms and Applications** *GENE-BASED THERAPIES FOR CANCER*
Vorhies, J. S., Rao, D. D., Senzer, N., Nemunaitis, J., Roth, J. A.
2010: 51-62
- **siRNA vs. shRNA: Similarities and differences** *ADVANCED DRUG DELIVERY REVIEWS*
Rao, D. D., Vorhies, J. S., Senzer, N., Nemunaitis, J.
2009; 61 (9): 746-759
- **"Bifunctional" Short Hairpin RNA for Cancer Gene Therapy**
Rao, D. D., Wang, Z., Kumar, P., Yu, Y., Haddock, C., Vorhies, J., Tong, A. W., Maples, P. B., Senzer, N. N., Nemunaitis, J.
NATURE PUBLISHING GROUP.2009: S255
- **Microbial dissolution of clay minerals as a source of iron and silica in marine sediments** *NATURE GEOSCIENCE*
Vorhies, J. S., Gaines, R. R.
2009; 2 (3): 221-25
- **Nucleic acid aptamers for targeting of shRNA-based cancer therapeutics.** *Biologics : targets & therapy*
Vorhies, J. S., Nemunaitis, J. J.
2007; 1 (4): 367-376
- **Proof concept for clinical justification of network mapping for personalized cancer therapeutics** *CANCER GENE THERAPY*
Nemunaitis, J., Senzer, N., Khalil, I., Shen, Y., Kumar, P., Tong, A., Kuhn, J., LaMont, J., Nemunaitis, M., Rao, D., Zhang, Y., Zhou, Y., Vorhies, et al
2007; 14 (8): 686-695
- **10-year follow-up of gene-modified adenoviral-based therapy in 146 non-small-cell lung cancer patients** *CANCER GENE THERAPY*
Nemunaitis, J., Vorhies, J. S., Pappen, B., Senzer, N.
2007; 14 (8): 762-763
- **Nonviral delivery vehicles for use in short hairpin RNA-based cancer therapies** *EXPERT REVIEW OF ANTICANCER THERAPY*
Vorhies, J. S., Nemunaitis, J.
2007; 7 (3): 373-382