

Stanford



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'anesthésie*
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