

Stanford



Steven Frick

Professor of Orthopaedic Surgery and, by courtesy, of Pediatrics (Endocrinology)

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Pediatric Orthopaedic Surgery**

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MC 5341

Palo Alto, CA 94304

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- **Stanford Children's Health Specialty Clinic Sunnyvale**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Karrie O'Neill - Administrative Associate

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Bio

CLINICAL FOCUS

- Orthopaedic Surgery

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Orthopaedic Surgery
- Professor - University Medical Line (By courtesy), Pediatrics - Endocrinology and Diabetes
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Chief, Pediatric Orthopaedic Surgery, Stanford University, (2016- present)

PROFESSIONAL EDUCATION

- Medical Education: Medical University of South Carolina Registrar (1991) SC
- Board Certification, American Board of Orthopaedic Surgery , Orthopaedic Surgery
- Fellowship, Rady Children's Hospital. San Diego, CA , Pediatric Orthopaedic Surgery (1998)
- Residency, Carolinas Medical Center. Charlotte, NC , Orthopaedic Surgery (1997)
- Medical Education, Medical University of South Carolina. Charleston, SC (1991)

Teaching

COURSES

2021-22

- Orthopedic Surgery Radiology Rounds: ORTHO 250 (Aut, Win)

2020-21

- Orthopedic Surgery Radiology Rounds: ORTHO 250 (Aut, Win)

STANFORD ADVISEES

Med Scholar Project Advisor

Ghida El-Banna

Publications

PUBLICATIONS

- **Tendon Turndown to Bridge a Tibialis Anterior Gap and Restore Active Dorsiflexion After Degloving Foot Injury in a Child: A Case Report.** *JBJS case connector*
Kopriva, J. M., Cheesborough, J., Frick, S. L.
2020; 10 (3): e1900445
- **Does the location of short-arm cast univalve effect pressure of the three-point mould?** *Journal of children's orthopaedics*
Montgomery, B. K., Perrone, K. H., Yang, S., Segovia, N. A., Rinsky, L., Pugh, C. M., Frick, S. L.
2020; 14 (3): 236–40
- **Deciding Without Data: Clinical Decision Making in Pediatric Orthopaedic Surgery.** *International journal for quality in health care : journal of the International Society for Quality in Health Care*
Nathan, K. n., Uzosike, M. n., Sanchez, U. n., Karius, A. n., Leyden, J. n., Nicole, S. n., Sara, E. n., Hastings, K. G., Kamal, R. n., Frick, S. n.
2020
- **Surveying the POSNA Landscape: What Can We Learn From Society Survey Studies?** *JOURNAL OF PEDIATRIC ORTHOPAEDICS*
Williams, B. A., Guerrero, A., Blakemore, L. C., Frick, S. L.
2020; 40 (1): E63–E67
- **Quality Improvement and Patient Safety: How Leadership Can Create a Culture of Safety: AOA Critical Issues Symposium.** *The Journal of bone and joint surgery. American volume*
Samora, J. B., Shea, K. G., Chen, A. F., Turner, P., Frick, S. L.
2019
- **Hoverboard injuries in children and adolescents: results of a multicenter study.** *Journal of pediatric orthopedics. Part B*
Hosseinzadeh, P., Devries, C., Saldana, R. E., Scherl, S. A., Andras, L. M., Schur, M., Shuler, F. D., Mignemi, M., Minaie, A., Chu, A., Fornari, E. D., Frick, S. L., Caird, et al
2019
- **Orthopaedic phenotyping of NGLY1 deficiency using an international, family-led disease registry.** *Orphanet journal of rare diseases*
Cahan, E. M., Frick, S. L.
2019; 14 (1): 148
- **EMTALA (Emergency Medical Treatment and Active Labor Act) Obligations: A Case Report and Review of the Literature.** *The Journal of bone and joint surgery. American volume*
Zhou, J. Y., Amanatullah, D. F., Frick, S. L.
2019; 101 (12): e55
- **Surveying the POSNA Landscape: What Can We Learn From Society Survey Studies?** *Journal of pediatric orthopedics*
Williams, B. A., Guerrero, A. n., Blakemore, L. C., Frick, S. L.

2019

- **The Educational Opportunities Provided by a Pediatric Orthopedic Urgent Case Review Conference: Keep Score to Provide a Better Experience** *JOURNAL OF SURGICAL EDUCATION*
Shirley, E. D., Gheorghe, R., Neal, K. M., Kiebzak, G., Frick, S. L.
2018; 75 (4): 901–6
- **Proximal Tibial Fractures in the Pediatric Population.** *The journal of knee surgery*
Tileston, K., Frick, S.
2018
- **Management of Osteochondritis Dissecans of the Femoral Condyle: A Critical Analysis Review.** *JBJS reviews*
Chan, C. n., Richmond, C. n., Shea, K. G., Frick, S. L.
2018; 6 (3): e5
- **The Community Orthopaedic Surgeon Taking Trauma Call: Pediatric Supracondylar Humeral Fracture Pearls and Pitfalls** *JOURNAL OF ORTHOPAEDIC TRAUMA*
Frick, S. L., Mehlman, C. T.
2017; 31: S11–S15
- **Assessing Quality and Safety in Pediatric Supracondylar Humerus Fracture Care.** *Journal of pediatric orthopedics*
Iobst, C. A., Stillwagon, M., Ryan, D., Shirley, E., Frick, S. L.
2017
- **Design and descriptive data of the randomized Clubfoot Foot Abduction Brace Length of Treatment Study (FAB24).** *Journal of pediatric orthopedics. Part B*
Dobbs, M. B., Frick, S. L., Mosca, V. S., Raney, E., VanBosse, H. J., Lerman, J. A., Talwalkar, V. R., Steger-May, K., Gurnett, C. A.
2017; 26 (2): 101-107
- **Restoration of Blood Flow to the Proximal Femoral Epiphysis in Unstable Slipped Capital Femoral Epiphysis by Modified Dunn Procedure: A Preliminary Angiographic and Intracranial Pressure Monitoring Study.** *Journal of pediatric orthopedics*
Jackson, J. B., Frick, S. L., Brighton, B. K., Broadwell, S. R., Wang, E. A., Casey, V. F.
2016: -?
- **A survey of resident perspectives on surgical case minimums and the impact on milestones, graduation, credentialing, and preparation for practice: AOA critical issues.** *journal of bone and joint surgery. American volume*
Jeray, K. J., Frick, S. L.
2014; 96 (23)
- **Assessing the Value of Work Done by an Orthopedic Resident During Call.** *Journal of graduate medical education*
Jackson, J. B., Huntington, W. P., Frick, S. L.
2014; 6 (3): 567-570
- **Should you explore the brachial artery in children who have a perfused hand but no palpable radial pulse after sustaining a supracondylar humeral fracture? Commentary on articles by Amanda Weller, MD, et al.: "Management of the pediatric pulseless supracondylar humeral fracture: is vascular exploration necessary?" and Brian P. Scannell, MD, et al.: "The perfused, pulseless supracondylar humeral fracture: intermediate-term follow-up of vascular status and function".** *journal of bone and joint surgery. American volume*
Frick, S. L.
2013; 95 (21)
- **The perfused, pulseless supracondylar humeral fracture: intermediate-term follow-up of vascular status and function.** *journal of bone and joint surgery. American volume*
Scannell, B. P., Jackson, J. B., Bray, C., Roush, T. S., Brighton, B. K., Frick, S. L.
2013; 95 (21): 1913-1919
- **Copy number analysis of 413 isolated talipes equinovarus patients suggests role for transcriptional regulators of early limb development** *EUROPEAN JOURNAL OF HUMAN GENETICS*
Alvarado, D. M., Buchan, J. G., Frick, S. L., Herzenberg, J. E., Dobbs, M. B., Gurnett, C. A.
2013; 21 (4): 373-380
- **Orthopaedic surgery milestones.** *Journal of graduate medical education*

- Stern, P. J., Albanese, S., Bostrom, M., Day, C. S., Frick, S. L., Hopkinson, W., Hurwitz, S., Kenter, K., Kirkpatrick, J. S., Marsh, J. L., Murthi, A. M., Taitsman, L. A., Toolan, et al
2013; 5 (1): 36-58
- **Obesity in pediatric orthopaedics.** *Orthopedic clinics of North America*
Gettys, F. K., Jackson, J. B., Frick, S. L.
2011; 42 (1): 95-?
 - **Workforce, work, and advocacy issues in pediatric orthopaedics.** *journal of bone and joint surgery. American volume*
Frick, S. L., Richards, B. S., Weinstein, S. L., Beaty, J. H., Wattenbarger, J. M.
2010; 92 (17)
 - **The Drop Toe Sign: An Indicator of Neurologic Impairment in Congenital Clubfoot** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Edmonds, E. W., Frick, S. L.
2009; 467 (5): 1238-1242
 - **An AOA critical issue. Future physician workforce requirements: implications for orthopaedic surgery education.** *journal of bone and joint surgery. American volume*
Salsberg, E. S., Grover, A., Simon, M. A., Frick, S. L., Kuremsky, M. A., Goodman, D. C.
2008; 90 (5): 1143-1159
 - **Impact of anaesthesia-surgery on D-dimer concentration and end-tidal CO2 and O-2 in patients undergoing surgery associated with high risk for pulmonary embolism** *CLINICAL PHYSIOLOGY AND FUNCTIONAL IMAGING*
Kline, J. A., Hogg, M. M., Mauerhan, D. R., Frick, S. L.
2008; 28 (3): 161-168
 - **Sequelae of pediatric hip disorders: survey responses from experts in adult hip reconstruction.** *American journal of orthopedics (Belle Mead, N.J.)*
Lundeen, G. A., Masonis, J. L., Frick, S. L.
2008; 37 (3): 153-156
 - **The 2007 ABC Traveling Fellowship: building international orthopaedic bridges.** *journal of bone and joint surgery. American volume*
Chu, C. R., Antoniou, J., Donley, B. G., Frick, S. L., Hilibrand, A. S., Ricci, W. M., Younger, A. S.
2008; 90 (3): 672-674
 - **Results of the Ponseti method in patients with clubfoot associated with arthrogyrosis.** *The Iowa orthopaedic journal*
Morcuende, J. A., Dobbs, M. B., Frick, S. L.
2008; 28: 22-26
 - **Advances in the surgical management of pediatric femoral shaft fractures** *CURRENT OPINION IN PEDIATRICS*
Kuremsky, M. A., Frick, S. L.
2007; 19 (1): 51-57
 - **Evaluation of the child who has hip pain** *ORTHOPEDIC CLINICS OF NORTH AMERICA*
Frick, S. L.
2006; 37 (2): 133-?
 - **Ponsetii management of Clubfoot in older infants** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Bor, N., Herzenberg, J. E., Frick, S. L.
2006: 224-228
 - **Gene expression during fracture healing in rats comparing intramedullary fixation to plate fixation by DNA microarray** *JOURNAL OF ORTHOPAEDIC TRAUMA*
Heiner, D. E., Meyer, M. H., Frick, S. L., Kellam, J. F., Fiechtl, J., Meyer, R. A.
2006; 20 (1): 27-38
 - **The ponseti method of treatment for congenital clubfoot: Importance of maximal forefoot supination in initial casting** *ORTHOPEDICS*
Frick, S. L.
2005; 28 (1): 63-65
 - **Informed consent is not routinely documented for procedures using allografts** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Porter, S. E., Stull, D., Kneisl, J. S., Frick, S. L.

2004; 287-290

- **Valgus deformity after fibular resection in children.** *Journal of pediatric orthopedics*
Frick, S. L.
2004; 24 (3): 345-?
- **Compartment syndrome of the leg after treatment of a femoral fracture with an early sitting spica cast. A report of two cases.** *journal of bone and joint surgery. American volume*
Large, T. M., Frick, S. L.
2003; 85-A (11): 2207-2210
- **Spinal osteochondroma presenting as atypical spinal curvature: a case report.** *Spine*
Fiechtl, J. F., Masonis, J. L., Frick, S. L.
2003; 28 (13): E252-5
- **Femoral anteversion in children with cerebral palsy. Assessment with two and three-dimensional computed tomography scans.** *journal of bone and joint surgery. American volume*
Davids, J. R., Marshall, A. D., Blocker, E. R., Frick, S. L., Blackhurst, D. W., Skewes, E.
2003; 85-A (3): 481-488
- **Surgical correction of residual hip dysplasia in two pediatric age-groups.** *journal of bone and joint surgery. American volume*
Lalonde, F. D., Frick, S. L., Wenger, D. R.
2002; 84-A (7): 1148-1156
- **AOA 2001 John J. Fahey, MD, Memorial North American Traveling Fellowship: fellows' travel diary.** *journal of bone and joint surgery. American volume*
Cole, P. A., Frick, S. L., Sanders, D. W., Saleh, K. J., Shin, A. Y.
2002; 84-A (5): 854-862
- **Bilateral quadriceps tendon rupture as the initial presentation of amyloidosis** *ORTHOPEDICS*
Masonis, J. L., Frick, S. L.
2001; 24 (10): 995-996
- **Altered fibular growth patterns after tibiofibular synostosis in children.** *journal of bone and joint surgery. American volume*
Frick, S. L., Shoemaker, S., Mubarak, S. J.
2001; 83-A (2): 247-254
- **Pre- and postoperative three-dimensional computed tomography analysis of triple innominate osteotomy for hip dysplasia** *JOURNAL OF PEDIATRIC ORTHOPAEDICS*
Frick, S. L., Kim, S. S., Wenger, D. R.
2000; 20 (1): 116-123
- **Scheuermann kyphosis** *SPINE*
Wenger, D. R., Frick, S. L.
1999; 24 (24): 2630-2639
- **Early surgical correction of residual hip dysplasia: the San Diego Children's Hospital approach.** *Acta orthopaedica Belgica*
Wenger, D. R., Frick, S. L.
1999; 65 (3): 277-287
- **Anteversion of the acetabulum in developmental dysplasia of the hip: Analysis with computed tomography** *JOURNAL OF PEDIATRIC ORTHOPAEDICS*
Kim, S. S., Frick, S. L., Wenger, D. R.
1999; 19 (4): 438-442
- **Comparative biomechanical analysis of supracondylar femur fracture fixation: Locked intramedullary nail versus 95-degree angled plate** *JOURNAL OF ORTHOPAEDIC TRAUMA*
David, S. M., Harrow, M. E., Peindl, R. D., Frick, S. L., Kellam, J. F.
1997; 11 (5): 344-350
- **Skin surface pressure beneath an above-the-knee cast: plaster casts compared with fiberglass casts.** *journal of bone and joint surgery. American volume*
Davids, J. R., Frick, S. L., Skewes, E., Blackhurst, D. W.
1997; 79 (4): 565-569

- **Modular tibial augmentations in total knee arthroplasty** *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
Fehring, T. K., Peindl, R. D., HUMBLE, R. S., Harrow, M. E., Frick, S. L.
1996: 207-217
- **IS COMPUTED-TOMOGRAPHY USEFUL AFTER SIMPLE POSTERIOR HIP DISLOCATION** *JOURNAL OF ORTHOPAEDIC TRAUMA*
Frick, S. L., Sims, S. H.
1995; 9 (5): 388-391
- **LUMBAR INTERVERTEBRAL DISC TRANSFER - A CANINE STUDY** *SPINE*
Frick, S. L., Hanley, E. N., Meyer, R. A., Ramp, W. K., Chapman, T. M.
1994; 19 (16): 1826-1835