

Curriculum Vitae

9/30/2020

**Steven L. Frick, M.D.**

Pediatric Orthopaedic Surgery

Professor and Vice Chairman  
Department of Orthopaedic Surgery  
Stanford University School of Medicine

Chief, Pediatric Orthopaedic Surgery  
Lucile Packard Children's Hospital Stanford  
(effective December 1, 2016)

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**Education**

High School	Eastside H.S., Greenville, S.C., 9/1978- 6/1982
College	George Washington University, Washington, D.C. B.S. Zoology, 8/1982-5/1987
Medical School	Medical University of South Carolina, Charleston, S.C. M.D., 8/1987 – 5/1991
Internship	Carolinas Medical Center, Charlotte, N.C. Rotating Internship, 7/1991-6/1992
Fellowship	Carolinas Medical Center, Charlotte, N.C. Orthopaedic Research, 7/1992-6/1993
Residency	Carolinas Medical Center, Charlotte, N.C. Orthopaedic Surgery, 7/1993-6/1997
Fellowship	Children's Hospital San Diego and UCSD, San Diego, CA Pediatric Orthopaedics, 8/1997-7/1998

### **Professional and Academic Activities**

Vice Chairman Education	Department of Orthopaedic Surgery Stanford University School of Medicine December 2016 to present
Chief	Pediatric Orthopaedic Surgery Lucile Packard Children's Hospital Stanford December 2016 to present
Faculty	Professor of Orthopaedic Surgery Stanford University School of Medicine December 2016 to present
Surgeon-in-Chief	Nemours Children's Hospital June 2014 to October 2016
Chairman	Nemours Children's Hospital Department of Orthopaedic Surgery July 2012 to October 2016
Chairman	Nemours Children's Hospital Department of Surgery June 2014 to August 2015
Director of Medical Education	Nemours Children's Hospital January 2013 to July 2014
Acting Chairman	Nemours Children's Hospital Department of Surgery December 2013 to June 2014
Assistant Dean	University of Central Florida College of Medicine, Assistant Dean for Undergraduate Medical Affairs, Nemours Children's Hospital October 2012- December 2014
Faculty	Professor of Orthopaedic Surgery, University of Central Florida College of Medicine October 2012 to October 2016
Faculty	Clinical Professor of Orthopaedic Surgery, University of Florida College of Medicine, February 2013 to October 2016
Full Time Faculty	Carolinas Medical Center Department of Orthopaedic Surgery, August 1998 to July 2012
Assistant Residency Program Director	Carolinas Medical Center Department of Orthopaedic Surgery, August 1998 – November 2000

Residency Program Director	Carolinas Medical Center Department of Orthopaedic Surgery, November 2000 to July 2012
Consultant	Carolinas Medical Center Orthopaedic Trauma Team, August 1998 to July 2012
Consultant	Mecklenburg County Jail Telemedicine Orthopaedic Clinic, August 1998 to 2006
Consultant	Charlotte Muscular Dystrophy Association Clinic, January 1999 to July 2012
Consultant	Carolinas ALS/ Neuromuscular Clinic, January 1999 to 2007
Consultant	Pediatric Orthopaedics, Emirates Palomar Medical Technology Services, Zayed Military Hospital, Abu Dhabi, United Arab Emirates, February 2000 – December 2001
Editorial Reviewer	Spine, 2000 to 2009 Journal of Bone and Joint Surgery, 2001 to present Clinical Orthopaedics and Related Research, 2003 – present Journal of Pediatric Orthopaedics, 2007- present Bone and Joint Journal – 2007 to present Pediatric Subspecialty Editor, JBJS Reviews, 2014-present
Director	Orthopedic Development for the Mecklenburg Acute Care System, 2005
Outside Faculty Appointment	Adjunct Clinical Assistant Professor, Department of Orthopaedics, University of North Carolina School of Medicine, 2008
Vice Chairman-Education	Carolinas Medical Center Department of Orthopaedic Surgery June 2011 to July 2012
Consultant	Nemours Children’s Hospital Muscular Dystrophy Association Clinic October 2012 to October 2016
Diversity Liaison	Stanford School of Medicine Department of Orthopaedic Surgery December 2016 to present
Wellness Council	Stanford School of Medicine Department of Orthopaedic Surgery December 2016 to present

**Licensure / Certification**

Diplomate, National Board of Medical Examiners, 1992  
North Carolina Board of Medical Examiners, 1992, License #35898  
Advanced Cardiac Life Support, 1991  
The Medical Board of California, 1996  
Advanced Trauma Life Support, 1997  
Fellow, American Board of Orthopaedic Surgery, 2000  
Maintenance of Certification, American Board of Orthopaedic Surgery, 2009  
Florida Department of Health Medical License #ME 113690, 2012-2016  
Medical Board of California, GA83434, exp. 9/30/2020  
DEA BF3293367 exp. 9/30/2022

**Memberships**

American Academy of Orthopaedic Surgeons  
Pediatric Orthopaedic Society of North America  
American Orthopaedic Association  
Orthopaedic Trauma Association  
Interurban Orthopaedic Society  
J. Robert Gladden Orthopaedic Society  
International Pediatric Orthopaedic Think Tank  
Florida Orthopaedic Society 2012-2016  
California Orthopaedic Society  
Western Orthopaedic Association  
European Pediatric Orthopaedic Society

**Committee Activities**

Recent Alumnus Member, George Washington University Board of Trustees, 1988-1991  
  
Student- Alumni Council, Medical University of South Carolina, 1988-1991  
  
Committee on Graduate Medical Education, Carolinas Medical Center, 1991-1995,  
1998- present  
  
Housestaff Liaison Committee, Carolinas Medical Center, 1994-1996  
  
Operating Room Committee, Carolinas Medical Center, 1995 – 1997  
  
Pediatric Trauma Outcomes Committee, Carolinas Medical Center, 2000-present  
  
Research Review Committee, Carolinas Medical Center, 2000-2006  
  
Medical Records Subcommittee, Carolinas Medical Center, 2000-2004  
  
Executive Committee, Charlotte Institute of Rehabilitation, 2000- 2005

Diversity Committee, American Academy of Orthopaedic Surgeons 2002-2006

Program Committee, Pediatric Orthopaedic Society of North America, 2003-2005

Graduate Medical Education Committee, American Orthopaedic Association, 2003-2004

Infection Control Committee, Carolinas Medical Center, 2004-2008

Leadership Development Committee, American Orthopaedic Association, 2004-2009

Levine Children's Hospital Emergency Department Committee, 2004- 2008

Levine Children's Hospital Operational Excellence Committee, 2004- 2008

Department of Pediatrics Chairperson Search Committee, Carolinas Medical Center, 2004-2005

Ambulatory Surgery Committee, Carolinas Medical Center, 2005- 2008, 2011 - present

American Orthopaedic Association, **Delegate-at-Large, Executive Committee**, 2005-2007

**Chair**, American Academy of Orthopaedic Surgeons, Leadership Development Committee, 2006-2010

Pediatric Orthopaedic Society of North America, Program Committee, 2007-2011 (**Program Committee Chair**, Annual Meeting 2010, Waikoloa, Hawaii)

**Board of Directors**, J. Robert Gladden Orthopaedic Society, 2008-2015

Task Force leader, AOA Leadership Development Future Offerings, 2009

**Chair**, American Orthopaedic Association, Leadership Development Committee, 2009-2012, member of **Executive Committee**

American Academy of Orthopaedic Surgeons, Program Committee 2010-2015, (**2013 Annual Meeting Program Chair**)

Chair Review Committee (review of Dept. of OB-GYN Chair), CMC Department of Medical Education, Fall 2010

Pediatric Orthopaedic Society of North America, Endowment Committee, 2009-2012

Orthopaedic Trauma Association Pediatric Core Curriculum Committee, 2011

American Board of Orthopaedic Surgery, **Question Writing Task Force**, 2011, 2012, 2013, 2014, 2015, 2016, 2017

**Editor**, Pediatric Orthopaedic Society of North America, Resident Review Newsletter, 2011- 2013

**Chair**, Pediatric Orthopaedic Society of North America, Core Curriculum Committee, 2011-2012

Accreditation Council for Graduate Medical Education / American Board of Orthopaedic Surgery, **Orthopaedic Surgery Milestones Workgroup**, 2011-2012

Daily Charge Surgeon, Carolinas Medical Center, Main Operating Rooms, 2012

Pediatric Orthopaedic Society of North America, **Treasurer-Elect**, 2012-2013

Medical Executive Committee, Nemours Children's Hospital, 2012-2016

University of Central Florida College of Medicine, Graduate Medical Education Committee, 2012-2014

University of Central Florida College of Medicine, Curriculum Committee, 2012-2013

University of Central Florida College of Medicine, Medical Student Admissions Interviewer, 2012-2016

University of Central Florida College of Medicine, Instructor, S-5 Module Dermatology, Rheumatology and Orthopaedics, January 2013, 2014, 2015, 2016

Pediatric Orthopaedic Society of North America, **Treasurer**, 2013- 2016

Accreditation Council for Graduate Medical Education / American Board of Orthopaedic Surgery, **Pediatric Orthopaedic Surgery Fellowship Milestones Workgroup Chair**, 2013-2014

American Academy of Orthopaedic Surgeons Coding, Coverage and Reimbursement Committee Member, 2013-2017

American Orthopaedic Association **American-British-Canadian (ABC) Traveling Fellowship Committee Chair**, 2015-2017

American Academy of Orthopaedic Surgeons Leadership Fellows Program, **Mentor** (Michelle Caird, MD mentee), 2015

Pediatric Orthopaedic Society of North America, **Presidential Line**, 2016- 2021  
**Vice President**, 2016-2017, **President Elect** 2017-2018, **President 2018-2019**, **Past President 2019-2020**

American Orthopaedic Association **Critical Issues/Educational Programming Committee Member**, August 2019- June 2023.

Pediatric Orthopaedic Society of North America, **Chair, Nominating Committee, 2019-2020**

American Orthopaedic Association **Annual Meeting Program Chair, 2022**

### **Volunteer Activities**

Volunteer, Room in the Inn (shelter for homeless)

Volunteer, Friendship Trays (meals for hungry)

Volunteer physician, Garinger High School Football 1998-2000

Volunteer physician, Holy Angels and Howell Center

Volunteer physician, North Shelby School

Youth Basketball Coach, Jewish Community Center of Charlotte 1998-2004

United Way 2000-2005 Campaigns, Carolinas Medical Center Orthopedic Section  
Physician Chair

Arts and Sciences Campaign, Carolinas Medical Center Orthopedic Section 2005

Participant, United Agenda for Children, 2005

Participant, Charlotte- Mecklenburg Schools Task Force, 2005

Participant, AAOS Playground Build 2007, 2008, 2009, 2012, 2013, 2015

Participant, Movement is Life Symposium to address disparities in musculoskeletal  
healthcare delivery, Washington DC, September 2011

Volunteer physician, Lake Nona High School, 2013, 2014, 2015

Board of Directors, Special Olympics Florida, 2014, 2015, 2016

### **Honors and Achievements**

#### **High School**

Eastside High School Athletic Hall of Fame, 2009

#### **College**

Phi Beta Kappa

Omicron Delta Kappa (Leadership Honor Society)

Dean's List

Baer Award for Outstanding Campus Leadership

Captain, Men's Basketball Team, 1985-87

GTE Academic All-America, Division 1 Basketball, 1985-86 (first team)  
and 1986-87 (second team)

Most Valuable Player, Men's Basketball, 1986-87

NCAA Postgraduate Scholarship Recipient, 1987

George Washington University Athletic Hall of Fame, 2002

## **Honors and Achievements**

### **Medical School**

Alpha Omega Alpha  
Ciba Geigy Award for Community Service  
President's Basic Science Award  
McGraw Hill Award for Academic Achievement  
Lange and Merck Awards for Academic Achievement  
Recipient of Manning - Simmons and Bell Scholarships

### **Residency**

Best Resident Research Paper, Oscar Miller Day, November 1993  
Resident Paper Award, Carolinas Medical Center Spring Symposium, Orthopaedic Surgery Section, March 1994  
Best Resident Research Paper, Oscar Miller Day, November 1996  
Resident Basic Science Paper Award, Carolinas Medical Center Department of Orthopaedic Surgery, 1997  
Resident Teaching Award, Carolinas Medical Center Department of Orthopaedic Surgery, 1996-97

### **Faculty**

Faculty Teaching Award, Carolinas Medical Center Department of Orthopaedic Surgery, 1998-1999  
Faculty Teaching Award, Carolinas Medical Center Department of Orthopaedic Surgery, 1999-2000  
Certificate of Appreciation for Community Contributions, City of Charlotte, November 1999  
Carolinas Medical Center / Queens College Physician Leadership Program, 2000 Leadership Charlotte, Class XXII 2000-2001 Graduate  
American Orthopedic Association John J. Fahey, MD, Memorial North American Traveling Fellow (**NATF**), 2001  
American Academy of Orthopaedic Surgeons Leadership Fellows Program, 2002  
AOA –Kellogg Leadership Series, Kellogg School of Management, Evanston, IL – participant: Module One – March 2004. Module Two – January 2005. Module 3- May 2006. Module 4- July 2007. Module 5 – November 2008. Module 6 – January 2009. Module 7 – November 2011.  
American Swiss Foundation Young Leaders Conference, Participant, May 2005, Ermatingen, Switzerland  
Best Scientific E-Poster, 2006 Pediatric Orthopaedic Society of North America Annual Meeting  
American Orthopaedic Association American-British-Canadian (**ABC**) Traveling Fellow, 2007  
POSNA / AAOS International Pediatric Orthopaedic Symposia, Invited Faculty, 2010, 2011, 2012, 2013, 2014, 2015, 2016  
Faculty Teaching Award, Carolinas Medical Center Department of Orthopaedic Surgery, 2011-2012



Children's Hospital of Los Angeles **John C. Wilson, Sr. Visiting Professorship**, June 2012.

Best Scientific Poster, 2014 Pediatric Orthopaedic Society of North America Annual Meeting

**Leon Kruger Visiting Professor**, Shriners Hospital for Children, Springfield, MA. June 2015.

**David Grice Visiting Professor**, Children's Hospital Boston, Boston, MA. October 2015.

**Kimbrough Moore Visiting Professor**, University of South Carolina, May 2016.

Nemours Children's Hospital Excellence in Quality Award, July 2016.

University of Central Florida College of Medicine Faculty Teaching Award, 2016.

University of Michigan **Frederick J. Fischer Pediatric Orthopaedic Lectureship**, April, 2017.

**Rainbow Babies Visiting Professorship**, Case Western Reserve University, May 2017.

**Leon Root Visiting Professorship**, Hospital for Special Surgery / Cornell, October 2017.

**Byron Beattie Visiting Lectureship**, Shriner Hospital for Children-Portland, October 2017.

**Neil Green Visiting Professorship**, Vanderbilt University, June 2018.

Akron Children's Hospital Department of Orthopedic Surgery, **Visiting Professorship**, August 16-17, 2018.

Shriners Hospital for Children/University of Kentucky, **Kosair Lectureship**, November 1-2, 2018.

Pediatric Orthopaedic Society of India **25<sup>th</sup> year Jubilee POSICON** Invited Guest Lecturer, Jan 3-6, 2019, Mumbai, India.

Kaiser Permanente **2019 Dale Daniels Orthopaedic Symposium** Invited Lecture, February, 2019.

**James H. Beaty Lectureship Visiting Professor**, Campbell Clinic Orthopaedics and LeBonheur Children's Hospital, Memphis TN, February 2019.

**Brandon Carrell Visiting Professorship**, Texas Scottish Rite Hospital for Children, Dallas, TX, April 2019.

**Siegling Visiting Professor**, Medical University of South Carolina, Charleston, SC, June 2019.

**Georgia Orthopaedic Society Annual Meeting Presidential Guest Speaker**, "Controversies in Pediatric Elbow Fractures", Developing Leadership in Orthopaedic Surgery", Georgia Orthopaedic Society, Sept. 19-22, 2019, Sea Island, GA.

**Auckland Orthopaedic Society Nicholson Visiting Professor**, Auckland City Hospital and Starship Children's Hospital, Auckland, NZ, November 2019.

C.V.  
SL Frick, MD  
P. 10

### Published Articles

1. Frick SL, Hanley EN, Meyer RA, Ramp WR and Chapman TA. Lumbar intervertebral disc transfer: A canine study. *SPINE* 19:1826-1835, 1994.
2. Frick SL, Sims SH. Is computed tomography useful following simple posterior hip dislocation? *J ORTHOP. TRAUMA*, 9:388-391, 1995.
3. Fehring TK, Peindl RD, Harrow M, Humble R and Frick SL. Modular tibial augmentations in total knee arthroplasty. *CLIN ORTHOP*, 327:207-217, 1996.
4. David SM, Harrow M, Peindl RD, Frick SL and Kellam JF. Comparative biomechanical analysis of supracondylar femur fracture fixation: Locked intramedullary nail versus 95 degree angled plate. *J ORTHOP TRAUMA*, 11:344-350, 1997.
5. Davids JR, Frick SL, Skewes E and Blackhurst DW. Skin surface pressure beneath an above-the-knee cast: Plaster casts compared with fiberglass casts. *J BONE AND JOINT SURG*, 79A:565-569, 1997.
6. Kim SS, Frick SL and Wenger DR. Anteversion of the acetabulum in developmental dysplasia of the hip; Analysis using computed tomography. *J PEDIATR ORTHOP*, 19:438-442, 1999.
7. Frick SL, Kim HT and Wenger DR. Advanced imaging techniques in hip dysplasia. *J MUSCULOSKEL RES*, 3:19-32, 1999.
8. Frick SL, Kim SS and Wenger DR. Pre and postoperative 3D CT analysis of triple innominate osteotomy for hip dysplasia. *J PEDIATR ORTHOP*, 20:116-123, 2000.
9. Wenger DR and Frick SL. Early surgical correction of residual hip dysplasia: The San Diego Children's Hospital approach. *ACTA ORTHOP BELGICA*, 65:277-287, 1999.
10. Wenger DR and Frick SL. Scheuermann kyphosis. *SPINE*, 24:2630-2638, 1999.
11. Frick SL, Shoemaker S, and Mubarak SJ. Altered fibular growth patterns after tibiofibular synostosis in children. *J BONE AND JOINT SURG*, 83A:247-254, 2001
12. Masonis JL, Frick SL: Bilateral quadriceps tendon rupture as the initial presentation of amyloidosis. *ORTHOPEDICS*, 24 (10): 995-6, 2001
13. LaLonde F, Frick SL and Wenger DR. Surgical correction of residual hip dysplasia in two pediatric age groups. *J BONE AND JOINT SURG*, 84A:1148-1156, 2002.
14. AOA 2001 John J. Fahey, MD, Memorial North American Traveling Fellowship: fellows' travel diary. *Journal of Bone & Joint Surgery - American Volume*. 84-A(5):854-62, May 2002.
15. Davids JR, Marshall AW, Blocker N, Frick SL, Blackhurst D and Skewes E. Femoral anteversion in children with cerebral palsy: Assessment with two and three-dimensional computed tomography scans. *J BONE AND JOINT SURG*, 85-A: 481-488, 2003.
16. Fiechtl JF, Masonis JL, and Frick SL. Spinal osteochondroma presenting as atypical curvature: A case report. *SPINE*, 28(13): E252-E255, 2003.
17. Large TM and Frick SL. Compartment syndrome of the leg after treatment of a femoral fracture with an early sitting spica cast. *J BONE JOINT SURG* 85A:2207-2210, 2003.
18. Porter SP, Stull D, Kneisl JS, and Frick SL. Informed consent is not routinely documented for procedures using allografts. *CLIN ORTHOP*, 423:287-290, 2004.

19. Frick SL. Brief report on the Ponseti method of treatment for congenital clubfoot: The importance of maximal supination of the forefoot in the initial cast to reduce cavus deformity. *ORTHOPEDICS* 28:63-65, January 2005.
20. Heiner DE, Meyer MH, Frick SL, Kellam JF, Fiechtl J and Meyer RA Jr. Gene expression during fracture healing in rats comparing intramedullary fixation to plate fixation by DNA microarray. *J ORTHOP TRAUMA* 20(1):27-38, 2006.
21. Bor N, Herzenberg J, Frick SL. Ponseti Management of Clubfoot in Older Infants *CLIN ORTHOP*, 444:224-226, 2006.
22. Mubarak SJ. Frick S. Sink E. Rathjen K. Noonan KJ. Volkmann contracture and compartment syndromes after femur fractures in children treated with 90/90 spica casts. *J PEDIATR ORTHOP* 26(5):567-72, 2006.
23. Moroz L, Launay F, Kocher M, Newton P, Frick SL, Sponseller P, Flynn J. Titanium Elastic Nailing of Pediatric Femur Fractures: Predictors of Complications and Poor Outcome. *J BONE JOINT SURG* 88B:1361-1366, 2006.
24. Ashraf N, Meyer MH, Frick SL, Meyer RA. Evidence for Overgrowth after Midfemoral Fracture via Increased RNA for Mitosis. *CLIN ORTHOP* 454:214-22, 2007.
25. Slongo Th, Audigé L, Clavert J-M, Nicolas L, Frick S, Hunter J. The AO comprehensive classification of paediatric long bone fractures: a web-based multicenter agreement study, *J PEDIATR ORTHOP* 27:171-80, 2007.
26. Meyer RA, Meyer MH, Ashraf N, and Frick SL. Changes in mRNA gene expression during growth in the femoral head of the young rat. *Bone* 40: 1554-1564, 2007.
27. Slongo Th, Audigé L, Lutz N, Frick SL, Schmittenbecher P, Hunter J, Clavert J-M The documentation of fracture severity with the AO paediatric Comprehensive Classification of long - bone fractures, *ACTA ORTHOPAEDICA* 78:247-53, 2007.
28. Lundeen G, Masonis J and Frick SL. Adult Sequelae of Pediatric Hip Disorders – secondary arthrosis and the influence of retained internal fixation. *AM J ORTHOP*, 37:153-156, 2008.
29. Salsberg ES, Grover A, Goodman D, Frick SL, Kuremsky MA, Simon, MA. An AOA Critical Issue Future Physician Workforce Requirements: Implications for Orthopaedic Surgery Education *J BONE JOINT SURG*, 90A:1143-59, 2008.
30. Chu CR, Antoniou J, Donley BG, Frick SL, Hilibrand AS, Ricci WM, Younger AS. The 2007 ABC Traveling Fellowship: building international orthopaedic bridges. *J BONE JOINT SURG* 90A:672-4, 2008.
31. Kline JA, Hogg MM, Mauerhan DR, Frick SL. Impact of anaesthesia-surgery on D-dimer concentration and end-tidal CO<sub>2</sub> and O<sub>2</sub> in patients undergoing surgery with high-risk for pulmonary embolism. *CLINICAL PHYSIOLOGY & FUNCTIONAL IMAGING*. 28:161-8, 2008.
32. Morcuende JA, Dobbs MB, Frick SL. Results of the Ponseti Method in Patients with Clubfoot Associated with Arthrogyposis. *IOWA ORTHOP J* 28:22-26, 2008.
33. Edmonds EW, Frick SL. The Drop Toe Sign: An Indicator of Neurologic Impairment in Congenital Clubfoot. *CLIN ORTHOP* 467:1238-1242, 2009.
34. Frick SL, Richards BS, Weinstein SL, Beaty JH, Wattenbarger JM. Workforce, work, and advocacy issues in pediatric orthopaedics. *J BONE JOINT SURG* 92A:e31, 2010.

35. Lutz N, Audige L, Schmittenbecher P, Clavert J, Frick SL, Slongo T. Diagnostic Algorithm for a validated displacement grading of pediatric supracondylar humerus fractures. *J PEDIATR ORTHOP* 31:117-123, 2011.
36. Alvarado DM, Buchan JG, Frick SL, Herzenberg JE, Dobbs MB, Gurnett CA. Copy number analysis of 413 isolated talipes equinovarus patients suggests role for transcriptional regulators of early limb development. *Eur J Hum Genet*. 2012 Aug 15. doi: 10.1038/ejhg.2012.177
37. Scannell BP, Jackson JB, 3rd, Bray C, Roush TS, Brighton BK, Frick SL. The Perfused, Pulseless Supracondylar Humeral Fracture: Intermediate-Term Follow-up of Vascular Status and Function. *J BONE JOINT SURG* 95A(21):1913-1919,2013.
38. Jackson JB, Huntington WP, Frick SL. Assessing the Value of Work Done by and Orthopaedic Resident During Call. *J GRAD MED EDUC* pg 567-570 September 2014
39. Stern PJ, Albanese S, Bostrom M, Day CS, Frick SL, Hopkinson W, et al. Orthopaedic surgery milestones. *J GRAD MED EDUC*. 2013 Mar;5(1 Suppl 1):36-58.
40. Jeray KJ and Frick SL. A Survey of Resident Perspectives on Surgical Case Minimums and the Impact on Milestones, Graduation, Credentialing and Preparation for Practice. *AOA Critical Issues*. *J BONE JOINT SURG* 96-A: 2021, 2014.
41. Bell P, Scannell BP, Loeffler BJ, Brighton BK, Gaston RG, Casey V, Peters ME, Frick SL, Cannada L, Vanderhave KL. Adolescent Distal Humerus Fractures: ORIF versus CRPP. *J PEDIATR ORTHOP*, 2017;37(8):511-20.
42. Jackson B, Brighton B, Frick SL, Casey VC. Restoration of Blood Flow to the Proximal Femoral Epiphysis in Unstable Slipped Capital Femoral Epiphysis by Modified Dunn Procedure: An Angiographic and Intracranial Pressure Monitoring Study. *J PEDIATR ORTHOP*, *J Pediatr Orthop*. 2018 Feb;38(2):94-99
43. Combs K, Frick SL, Kiebzak G Multicenter Study of Pin Site Infections and Skin Complications Following Pinning of Pediatric Supracondylar Humerus Fractures. *Cureus* 8(12): e911, 2016.
44. Dobbs MB, Frick SL, Mosca, VS, Raney E, VanBosse HJ, Lerman JA, Talwalkar VR, Steger-May K, Gurnett, CA. Design and descriptive data of the randomized Clubfoot Foot Abduction Brace Length of Treatment Study (FAB24). *J Pediatr Orthop B*, 26 (2): 101-107, 2017. PMID: [27632641](#)
45. Iobst CI, Stillwagon M, Shirley E, Frick SL. Assessing Quality and Value in Pediatric Supracondylar Humerus Fracture Care. *J PEDIATR ORTHOP* 37(5):e303-3307, Jul/Aug 2017.
46. Shirley ED, Gheorghe R, Neal KM, Kiebzak G, Frick SL. The Educational Opportunities Provided by a Pediatric Orthopedic Urgent Case Review Conference: Keep Score to Provide a Better Experience. *J Surg Educ*. 2017.
47. Frick SL, Mehlman CT. The Community Orthopaedic Surgeon Taking Trauma Call: Pediatric Supracondylar Humeral Fracture Pearls and Pitfalls. *Journal of orthopaedic trauma*. 2017;31 Suppl 6:S11-S5.
48. Chan C, Richmond C, Shea K, Frick SL. Management of Osteochondritis Dissecans of the Femoral Condyle: A Critical Analysis Review. *JBJS REV* 6: e5, 2018.

49. Iobst, C. A., Bunhor, D, Skaggs, D.L. and Frick, SL. "Intra-Operative Bone Stability Test." *Tech Ortho* p 33(4): 279-282, 2018.
50. Tileston, K. and S. Frick (2018). "Proximal Tibial Fractures in the Pediatric Population." *J Knee Surg* 31(6): 498-503
51. Zhou JY, Amanatullah DF, Frick SL. EMTALA (Emergency Medical Treatment and Active Labor Act) Obligations: A Case Report and Review of the Literature *J BONE JOINT SURG* 2019;101(12):e55. PMID: 31220031
52. Cahan EM, Frick SL. Orthopaedic phenotyping of NGLY1 deficiency using an international, family-led disease registry. *Orphanet J Rare Dis.* 2019;14(1):148. PMID: 31217022
53. Williams BA, Guerrero A, Blakemore LC, Frick SL. Surveying the POSNA Landscape: What Can We Learn From Society Survey Studies? *J PEDIATR ORTHOP.* 2019. Epub 2019/04/26. PMID: 31022015
54. Leyden J, Fung L, Frick SL. Autism and Toe-walking: Are they related? Trends and treatment patterns from 2005-2016. *J CHILD ORTHOP* 13:340-345, Jun 2019
55. Hosseinzadeh P, Devries C, Saldana RE, Frick SL, et al. Hoverboard injuries in children and adolescents: results of a multicenter study. *J Pediatr Orthop B.* 2019;28(6):555-558. PMID: 31503105
56. Montgomery B K, Cahan E M, Frick S. (December 23, 2019) Spinal Screening MRI Trends in Patients with Multiple Hereditary Exostoses: National Survey. *Cureus* 11(12): e6452. doi:10.7759/cureus.6452. PMID: 32010535
57. Zhuang T, El-Banna G, Frick S. (December 29, 2019) Arthrodesis of the Foot or Ankle in Adult Patients with Congenital Clubfoot. *Cureus* 11(12): e6505. doi:10.7759/cureus.6505. PMID: 32025426
58. Samora J, Shea K, Chen A, Turner P, Frick S. 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* 2019; DOI 10.2106/JBJS.19.01006, PMID: 31895237.
59. Montgomery BK, Perrone KH, Yang S, Segovia NA, Rinsky L, Pugh CM, Frick SL. Does the location of short-arm cast univalve effect pressure of the three-point mould? *J Child Orthop* 2020;14. DOI: 10.1302/1863-2548.14.200034. PMID: 32582392
60. Kopriva, John M. BS<sup>1</sup>; Cheesborough, Jennifer MD<sup>2,3</sup>; Frick, Steven L. MD<sup>3,a</sup> Tendon Turndown to Bridge a Tibialis Anterior Gap and Restore Active Dorsiflexion After Degloving Foot Injury in a Child, *JBJS Case Connector*: July-September 2020 - Volume 10 - Issue 3 - p e19.00445 doi: 10.2106/JBJS.CC.19.00445. PMID: 32773712
61. Karthik Nathan, M.D, Maechi Uzosike, B.S, Uriel Sanchez, B.S, Alexander Karius, Jacinta Leyden, M.D, Segovia Nicole, B.S, Eppler Sara, M.P.H, Katherine G Hastings, M.P.H., Robin Kamal, M.D, Steven Frick, M.D, Deciding Without Data: Clinical Decision Making in Pediatric Orthopaedic Surgery, *International Journal for Quality in Health Care*, , mzaa119, <https://doi.org/10.1093/intqhc/mzaa119>

### Book Chapters

1. Frick SL and Gibbs M. The injured upper extremity. In: *Trauma Decision Making – Initial Management of Injuries*, ed. Sing, R. Chapter 16: 124-133. BMJ Books, London 2001.
2. Frick SL. Scoliosis in children with anterior chest wall deformities. In: *Surgical Treatment of Anterior Chest Wall Deformities, Chest Surgery Clinics of North America*, ed. Robisceck, F. Vol. 10(2):427-436,2000.
3. Frick SL. Normal Growth and Development in Pediatric Orthopaedics. In: *Handbook of Pediatric Orthopaedics*, ed. Dormans, J.P. Chapter 1. Elsevier Science, Philadelphia, PA, 2004.
4. Frick SL. Evaluation of the child who has hip pain. In *The Pediatric Hip. Orthopedics Clinics*, ed. Guille, J. Vol. 37: 133-140, 2006.
5. Kuremsky M and Frick SL. Advances in the Surgical Management of Pediatric Femoral Shaft Fractures. *Current Opinion in Pediatrics*, 19:51-57, 2007.
6. Frick SL and Jones ET. Skeletal Growth, Development and Healing as Related to Pediatric Trauma. In *Skeletal Trauma in Children 4<sup>th</sup> edition*, eds. Green, N and Swiontkowski, M. Chapter 1:1-18. Saunders Elsevier, Philadelphia, 2009.
7. Erickson M and Frick SL. Fractures of the Proximal Radius and Ulna. In *Rockwood and Wilkins' Fractures in Children. 7<sup>th</sup> edition*, eds. Beaty, J and Kasser, J. pp 405-444. Lippincott, Williams and Wilkins, Philadelphia, 2010.
8. Frick SL and Weissman D. Problematic Pediatric Fractures. Orthopaedic Knowledge Update Trauma, eds. Schmidt, A and Teague, D. pp 579-591. AAOS, Rosemont, IL, 2010.
9. Wattenbarger M and Frick SL. Pediatric Upper Extremity Fractures. OKU 10 Orthopaedic Knowledge Update, ed. John M. Flynn. pp 675-686, AAOS, Rosemont, IL, 2011.
10. Gettys FK, Jackson JB, Frick SL. Effects of Obesity in Skeletally Immature Patients. *Orthopaedic Clinics of North America*, 42:95-105, 2011.
11. Frick SL and Fine KS. Orthopedics. Chapter 16 in *Blueprints Pediatrics*, 6<sup>th</sup> edition. eds. Katie S. Fine and Bradley S. Marino, pp 280-293, Lippincott Williams and Wilkins. 2013.
12. Brighton BK and Frick SL. Pediatric Forearm Fractures. Chapter 43, in *Orthopaedic Trauma Call for the Attending Surgeon*, eds. Hak D., Ipaktchi K, Morgan S., Slack Incorporated, 2013.
13. Frick SL, Leet A, Sponseller P. Pediatric Limb Reconstruction in Osteogenesis Imperfecta. Chapter 47: 443-452. In *Osteogenesis Imperfecta*, ed. Shapiro, J., Elsevier, San Diego, 2014.
14. Skaggs DL and Frick SL. Upper Extremity Fractures in Children. Chapter 43:1694-1772. In *Lovell and Winter's Pediatric Orthopaedics*, 7<sup>th</sup> edition, eds. Weinstein S, Flynn J. Lippincott, Williams and Wilkins, Philadelphia, PA. 2014.
15. Shea KG and Frick SL. Ankle Fractures. Chapter 32:1173-1224. In *Rockwood and Wilkins' Fractures in Children*, 8<sup>th</sup> edition, eds Flynn J, Skaggs D, Waters P. Wolters Kluwer, Philadelphia, PA, 2015.

16. Frick SL. Skeletal Growth, Development and Healing as Related to Pediatric Trauma. In *Skeletal Trauma in Children 5<sup>th</sup> edition*, eds. Mencio, G. and Swiontkowski, M. Chapter 1:1-15. Saunders Elsevier, Philadelphia, 2015.
17. Frick SL. Managing Clubfoot Relapses. In *Congenital Clubfoot and Congenital Vertical Talus*, ed. M Dobbs. 2019.
18. Scannell BS and Frick SL. Skeletal Growth, Development and Healing as Related to Pediatric Trauma. In *Green's Skeletal Trauma in Children 6<sup>th</sup> edition*, eds. Mencio, G. and Frick SL. Chapter 1:1-15. Elsevier, Philadelphia, 2020.

### **Book Editor**

1. Frick SL. Section Editor, Pediatric Orthopaedics. American Academy of Orthopaedic Surgeons. Core Competency Review Textbook. 2014
2. Frick SL. Section Editor. General Principles and Basic Science. Pediatrics OKU 5. AAOS, Rosemont, IL. 2016
3. Mencio G and Frick SL. *Green's Skeletal Trauma in Children, 6<sup>th</sup> ed.* Elsevier, Philadelphia, 2020.

### **Letters to Editor / Book Reviews**

1. Frick SL. "Valgus deformity after fibular resection in children". Letter to the editor. J PEDIATR ORTHOP 24(May/June) 2004.
2. Frick SL. Book Review- "Rang's Children's Fractures, 3<sup>rd</sup> Edition". J BONE JOINT SURG, 88A:469, 2006.
3. Gross RH, Mooney JF, Frick SL. Letter regarding Physicians' ability to manually detect isolated elevations in leg intracompartmental pressure. J BONE JOINT SURG 2010;92:361-7). 2010 Apr 1
4. Frick SL. Further Opinion. On 'Late dislocation of the hip following normal neonatal clinical and ultrasound examination.'" J BONE JOINT SURG (BR) E publication, October 2010.
5. Frick SL. 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". J BONE JOINT SURG 95(21):e1681-1682, 2013.

### **Electronic Publications**



1. Author and Editor, Pediatric Section, 12 lectures, Trauma and Fracture Care Residency Core Lectures, Orthopaedic Trauma Association, Rosemont, IL, 2004.
2. Author, Two case studies, Cultural Competency Challenge CD, AAOS Diversity Committee, American Association of Orthopaedic Surgeons, Rosemont, IL, 2004.
3. Author and Editor, Pediatric Section, 12 lectures, Trauma and Fracture Care Residency Core Lectures, 2<sup>nd</sup> Ed., Orthopaedic Trauma Association, Rosemont, IL, 2006.
4. Editor, POSNA Residency Review Newsletter, biannually, 2011-2013.

### **Research Grants - Coinvestigator**

Lumbar intervertebral disc transfer: A canine study. Orthopedic Research and Education Foundation, Resident Research Fellowship grant, 7/1/92-6/30/93, \$14,700.

Carolinas Medical Center JBJS-OREF Journal Club grant, Orthopedic Research and Education Foundation, 12/1/2001 – 12/1/2002, \$2,500

Gene expression by DNA microarray during fracture healing in rats: A pilot study of intramedullary fixation versus plate fixation in femur fractures. (PI:Frick) August 2002-August 2003, Charlotte Mecklenburg Health Sciences Foundation, \$24,204.

Expired CO<sub>2</sub>/O<sub>2</sub> to diagnose pulmonary embolism, 8/1/06-12/31/08, NIH/NHLBI, Fast-track R42 HL086316-01 (PI: Kline) \$849,005. Major goal is to test the diagnostic accuracy of a breath device for diagnosis of pulmonary embolism.

Vascular Injuries with Pediatric Supracondylar Humerus Fractures: Postoperative Evaluation of Perfusion (PI: Frick).

Award: \$4,800 (Winkler)

Duration: 3/30/2011-9/30/2012

The use of angiogram to evaluate the blood supply of an unstable slipped capital femoral epiphysis (PI: Casey/Jackson)

Award: \$36,000 (Winkler)

Duration: 8/10/2010-8/9/2012

Near Infrared Spectroscopy (NIRS) for the Evaluation of Pediatric Forearm Compartment Perfusion after Supracondylar Humerus Fracture (PI: Frick)

Award: \$4,800 (Winkler)

Duration: 1/18/2012-1/30/2013

A Prospective Multi-center Clinical Outcomes Study to Assess the Safety and Effectiveness of the Pediatric Locking Nail for Treatment of Femoral Fractures in Children (Site PI: Frick)

Award: \$3,600 per patient + \$7,000 site costs (Biomet)

Duration: 2/09-1/2012

Multicenter Project: Duration of Brace Wear in Clubfoot Treatment- A Prospective, Randomized Trial.

PI: Matthew Dobbs, M.D. / Nemours Project #79140

Site PI: Frick

Award: \$5,073.00

## Scientific Presentations

### National/International

1. Frick SL, Hanley EN, Meyer RA, Ramp WR and Chapman TA. Lumbar intervertebral disc transfer: A canine study. International Society for Study of the Lumbar Spine, Marseilles, France, June 1993.
2. Frick SL, Hanley EN, Meyer RA, Ramp WR and Chapman TA. Lumbar intervertebral disc transfer: A canine study. North American Spine Society, San Diego, CA, October 1994.
3. Frick SL, Hanley EN, Meyer RA, Ramp WR and Chapman TA. Lumbar intervertebral disc transfer: A canine study. Federation of Spine Associations, New Orleans, LA, February 1994.
4. Frick SL, Hanley EN, Meyer RA, Ramp WR and Chapman TA. Lumbar intervertebral disc transfer: A canine study. American Orthopedic Association's Annual Residents' Meeting, Atlanta, GA, March 1994.
5. Frick SL, Tsahakis PJ, Peindl RD, Barr S and Brick GW. Distal femoral allografts for the reconstruction of structural acetabular defects: A biomechanical study with clinical correlation. American Academy of Orthopedic Surgeons, New Orleans, LA, February 1994.
6. Frick SL, Tsahakis PJ, Peindl RD, Barr S and Brick GW. Distal femoral allografts for the reconstruction of structural acetabular defects: A biomechanical study with clinical correlation. American Orthopedic Association's Annual Residents' Meeting. Atlanta, GA, March 1994.
7. Frick SL and Sims SH. The usefulness of computed tomography following simple posterior hip dislocations. Orthopaedic Trauma Association, Los Angeles, CA, September 1994.
8. Frick SL and Sims SH. The usefulness of computed tomography following simple posterior hip dislocations. American Orthopedic Association's Annual Residents' Meeting, Pittsburgh, PA, March 1995.
9. Davids JR, Frick SL, Skewes E, and Blackhurst DW. Postoperative immobilization in children with cerebral palsy: Plaster versus fiberglass. Smith and Nephew Orthopaedic Resident's Conference, Memphis, TN, August 1996.
10. Frick SL, Connor PM and D'Alessandro DF. The value of glenohumeral arthroscopy in the surgical evaluation and treatment of subacromial impingement syndrome. Arthroscopy Association of North America, San Diego, California, April 1997.
11. Frick SL Importance of supination in the initial cast to reduce cavus in the initial Ponseti method cast. Third International Clubfoot Congress, San Diego CA, August 2002.

12. Frick SL, Bor N and Herzenberg J. Ponseti method treatment for older children with congenital clubfoot. Third International Clubfoot Congress, San Diego CA, August 2002.
13. Frick SL (moderator), Shea K, Mehlman C, Skaggs D, and Newton P. The difficult pediatric supracondylar humerus fracture. American Academy of Orthopaedic Surgeons, Instructional Course Lecture, American Academy of Orthopaedic Surgeons, San Francisco, CA, March 10, 2004.
14. Launay F, Flynn J, Moroz L, Kocher M, Newton P; Frick SL; Sponseller P. An international, multicenter analysis of complications of elastic stable intramedullary nailing of pediatric femur fractures. Orthopaedic Trauma Association, 10<sup>th</sup> Annual Meeting, Ft. Lauderdale, FL. October 8, 2004.
15. Frick SL (moderator), Shea K, Mehlman C, Skaggs D, and Newton P. The difficult pediatric supracondylar humerus fracture. American Academy of Orthopaedic Surgeons, Instructional Course Lecture, San Francisco, CA, March 10, 2004.
16. Frick SL (moderator), Shea K, Mehlman C, Skaggs D, and Newton P. The difficult pediatric supracondylar humerus fracture. American Academy of Orthopaedic Surgeons, Instructional Course Lecture, Washington, DC, February, 2005.
17. Frick SL (moderator), Shea K, Mehlman C, Skaggs D, and Newton P. The difficult pediatric supracondylar humerus fracture. American Academy of Orthopaedic Surgeons, Instructional Course Lecture, Chicago, IL, March, 2006.
18. Frick SL. History of Clubfoot Treatment. American Academy of Orthopaedic Surgeons, Ponseti Method Instructional Course Lecture, Chicago, IL. March 2006.
19. Frick SL. Diversity in Orthopaedic Residency Programs, American Academy of Orthopaedic Surgeons, Symposium, Chicago, IL, March, 2006.
20. Frick SL. OTA Update: Supracondylar Humerus Fractures in Children. Orthopaedic Trauma Association Annual Meeting, Boston, MA, October 2007.
21. Frick SL. OTA Residents Fracture Course: Pediatric Femoral Shaft Fractures. Orthopaedic Trauma Association Annual Meeting, Denver, CO, October 2008.
22. Frick SL. Pediatric Shoulder Trauma. American Academy of Orthopaedic Surgeons, Instructional Course Lecture, Las Vegas, NV, February, 2009.
23. Frick SL. Pediatric Tibia Fractures. American Academy of Orthopaedic Surgeons, Instructional Course Lecture, Las Vegas, NV, February, 2009.
24. Frick SL. Pediatric Proximal Humerus Fractures. AAOS Webinar, May 19, 2009.
25. Frick SL and Patel P. Pediatric Athletic Foot Primer, AOFAS Sports- Foot Symposium, May 27, 2009, Durham, NC.
26. Frick SL, Richards BS, Weinstein S, Beaty J, Wattenbarger M. Pediatric Orthopaedic Symposium: Current Issues, American Orthopaedic Association Annual Meeting, Bonita Springs, FL, June 2009.
27. Frick SL. Pediatric Orthopaedic Trauma Summit -Keynote Speaker and Guest Professor. Regions Hospital, St. Paul Minnesota, September 2009.
  1. Becoming a Pediatric Fracture Expert
  2. Distal Humeral Osteonecrosis after Trauma
  3. Vascular Complications and Compartment Syndrome in Pediatric Fracture Patients

28. Frick SL. Pediatric Femur Fracture Management. Orthopaedic Trauma Association Residents Fracture Course, San Diego, CA, October 2009.
29. Frick SL. Pediatric Fracture Case Discussions, Orthopaedic Trauma Association Annual Meeting, San Diego, CA, October 2009.
30. Frick SL. Supracondylar Humerus Fractures, Orthopaedic Trauma Association Specialty Day, AAOS Annual Meeting, New Orleans, LA, March 2010.
31. Frick SL. Proximal Humerus Fractures in Pediatric Patients, ICL, AAOS Annual Meeting, New Orleans, LA, March 2010.
32. Frick SL. Pediatric Tibia Fractures. ICL, AAOS Annual Meeting, New Orleans, LA, March 2010
33. Frick SL. High Reoperation Rate and Failed Expansion in Lower Extremity Expandable Rods in Osteogenesis Imperfecta. Pediatric Orthopaedic Society of North America Annual Meeting, Waikoloa, HI. May 2010.
34. Frick SL. OTA Residents Fracture Course: Pediatric Femoral Shaft Fractures. Orthopaedic Trauma Association Annual Meeting, Baltimore, MD, October 2010.
35. Frick SL. International Pediatric Orthopaedic Symposium: Adolescent Clavicle Fractures. Orlando, FL, December 2010.
36. Frick SL. International Pediatric Orthopaedic Symposium: Congenital Clubfoot. Orlando, FL, December 2010.
37. Frick SL. Supracondylar Humerus Fractures, ICL, AAOS Annual Meeting, San Diego, CA, February 2011.
38. Frick SL. Proximal Humerus Fractures in Pediatric Patients, Open Reduction for Supracondylar Humerus Fractures, ICL, AAOS Annual Meeting, San Diego, CA, February 2011.
39. Frick SL. Pediatric Tibia Fractures. ICL, AAOS Annual Meeting, San Diego, CA, February 2011.
40. Frick SL. Complex Congenital Clubfoot, International Pediatric Orthopaedic Symposium: Adolescent Clavicle Fractures. Orlando, FL, December 2011.
41. Frick SL. Upper Extremity Fractures in Skeletally Immature Patients. International Pediatric Orthopaedic Symposium: Adolescent Clavicle Fractures. Orlando, FL, December 2011.
42. Frick SL. Supracondylar Humerus Fractures, ICL, AAOS Annual Meeting, San Francisco, CA, February 2012.
43. Frick SL. Proximal Humerus Fractures in Pediatric Patients, Open Reduction for Supracondylar Humerus Fractures, ICL, AAOS Annual Meeting, San Francisco, CA, February 2012.
44. Frick SL. Ponseti Method of Congenital Clubfoot Treatment- What's New? ICL, AAOS Annual Meeting, San Francisco, CA, February 2012.
45. Frick SL, Bray C, Scannell BS, Jackson JB, Brighton BK, Roush T, Seymour R. The Perfused Pulseless Supracondylar Humerus Fracture: Intermediate Follow-up of Vascular Status and Function. Pediatric Orthopaedic Society of North America Annual Meeting, Denver, CO. May 2012
46. Frick SL. Open reduction for SC humerus fractures. AAOS Surgical Skills Course, Rosemont, IL. June 2012

47. Frick SL. Screw fixation for stable SCFE. AAOS Surgical Skills Course, Rosemont, IL. June 2012
48. Frick SL. Difficult pediatric forearm fractures. AAOS Surgical Skills Course, Rosemont, IL. June 2012
49. Frick SL. Pre and Post open reduction angiography for unstable slipped capital femoral epiphysis. International Pediatric Orthopaedic Think Tank, Cannes, France. September 2012.
50. Frick SL. Pediatric Polytrauma: Navigating Gator Country. OTA Annual Meeting, Minneapolis, MN. October 6, 2012.
51. Frick SL. International Pediatric Orthopaedic Symposium: Outcome following perfused, pulseless supracondylar humerus fractures. Orlando, FL, December 2012.
52. Frick SL. International Pediatric Orthopaedic Symposium: Congenital Clubfoot. Orlando, FL, December 2012.
53. Frick SL. International Pediatric Orthopaedic Symposium: Essentials of Fracture Care-Pediatric Femoral Shaft Fractures. Orlando, FL, December 2012.
54. Frick SL. AAOS Now Symposium on Obesity and the Musculoskeletal System The effects of obesity on the growing skeleton. Chicago, IL. March 18, 2013.
55. Frick SL. 2013 AAOS Annual Meeting Poster Tour Guide- Pediatrics Posters. Chicago, IL. March 20, 2013
56. Frick SL. 2013 AAOS Annual Meeting Instructional Course Lecture Instructor: Problems and Procedures in Pediatric Trauma: Case Based Learning. Instructor: Proximal Humerus Fractures, ORIF of SC humerus fractures, Open tibia fractures. Chicago, IL. March 21, 2013.
57. Frick SL. Surgical Skills Instructional Course Instructor; Advanced Ponseti Method of Clubfoot and Congenital Vertical Talus. What's New in Ponseti Method Treatment of Clubfoot. Chicago, IL. March 21, 2013.
58. Frick SL. AAOS 2013 Poster Awards Presenter, Chicago, IL. March 22, 2013.
59. Frick SL. Instructional Course Lecture Moderator: The Difficult Pediatric Supracondylar Humerus Fracture. Chicago, IL. March 22, 2013.
60. Frick SL. Missed Diagnoses and Misdiagnoses in the Emergency Department. Pediatric Emergency Medicine Symposium, Orlando FL. April 4, 2013.
61. Frick SL. Moderator, VuMedi Webinar on Clubfoot, May 6, 2013.
62. Frick SL, JB Jackson, W Huntington. Is Medicare Getting its Money's Worth? The Value of Orthopaedic Resident Work on Call. American Orthopaedic Association Annual Meeting, Denver CO. June 14, 2013.
63. Frick SL. Measuring Outcomes for Residency Graduates. Council of Orthopaedic Residency Directors, American Orthopaedic Association Annual Meeting, Denver CO. June 14, 2013.
64. Frick SL. International Pediatric Orthopaedic Symposium: Congenital Clubfoot-Ponseti Principles of Management. Orlando, FL, December 2013.
65. Frick SL. International Pediatric Orthopaedic Symposium: Musculoskeletal Infections: Current Concepts. Orlando, FL, December 2013.
66. Frick SL. International Pediatric Orthopaedic Symposium: Surgical Techniques for Tarsal Coalitions. Orlando, FL, December 2013.

67. Frick SL. International Pediatric Orthopaedic Symposium: Tarsal Coalitions 2013: Update, Indications and Technique. Orlando, FL, December 2013.
68. Frick SL. International Pediatric Orthopaedic Symposium: Congenital Vertical Talus. Orlando, FL, December 2013.
69. Frick SL. 2014 AAOS Annual Meeting Poster Tour Guide- Pediatrics Posters. New Orleans, LA. March 12 ,2014
70. Frick SL. 2014 AAOS Annual Meeting Instructional Course Lecture Instructor: Problems and Procedures in Pediatric Trauma: Case Based Learning. Instructor: Proximal Humerus Fractures, ORIF of SC humerus fractures, Open tibia fractures. New Orleans. March 13, 2014.
71. Frick SL. 2014 AAOS Annual Meeting Surgical Skills Instructional Course Instructor; Advanced Ponseti Method of Clubfoot and Congenital Vertical Talus. What's New in Ponseti Method Treatment of Clubfoot. New Orleans. March 12, 2014.
72. Frick SL. Moderator, Symposium G: Maximizing Your Practice's Potential in the New Healthcare Environment. AAOS 2014 Annual Meeting, New Orleans, LA. March 11, 2014.
73. Frick SL. 2014 AAOS Annual Meeting Instructional Course Lecture Moderator: The Difficult Pediatric Supracondylar Humerus Fracture. New Orleans, LA. March 11, 2014.
74. Frick SL. Pediatric Orthopaedic Emergencies. Nemours Pediatric Emergency Medicine Conference, Orlando FL. April 23, 2014.
75. Frick SL. 2014 POSNA Pre-Course: Quality Safety and Value. Moderator, AAOS and ABOS initiatives. Hollywood, CA May 2014
76. Frick SL. 2014 POSNA Annual Meeting. Moderator, Foot and Ankle paper session Hollywood, CA May 2014
77. Frick SL. Pediatric Musculoskeletal Infections, Physician Assistants in Orthopaedic Surgery Annual Meeting, Orlando FL, September 2014.
78. Frick SL. Pediatric Elbow Fractures, Physician Assistants in Orthopaedic Surgery Annual Meeting, Orlando FL, September 2014.
79. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 3, 2014. Moderator, Trauma Section
80. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 3, 2014. Boredline Cases: Should I Fix It?
81. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 3, 2014. Principles of Ponseti Method for Congenital Clubfoot.
82. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 5, 2014. Closed Reduction still has a role in Developmental Hip Dislocation.
83. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 6, 2014. Pediatric Foot: Surgical Management of Congenital Conditions.
84. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 6, 2014. Foot Cases from the Developing World.
85. Frick SL. 2015 AAOS Annual Meeting. AAOS Now Symposium: Moderator, Future of Private Practice Orthopaedics. Las Vegas, Nevada. March 23, 2015.

86. Frick SL. 2015 AAOS Annual Meeting Instructional Course Lecture Moderator: Problems and Procedures in Pediatric Trauma: Case Based Learning. Las Vegas, Nevada. March 26, 2015.
87. Frick SL. 2015 AAOS Annual Meeting. Moderator, Game Changers Paper Session. Las Vegas, Nevada. March 27, 2015.
88. Frick SL. 2015 POSNA Specialty Day. Moderator, Pediatric Orthopaedic Emergencies. Las Vegas, Nevada. March 28, 2015.
89. Frick SL. POSNA PreCourse: Treatment of Fracture in Kids: The next Generation's Perspective. Moderator, Tibia Fractures. Atlanta GA. Apr 29, 2015.
90. Frick SL, Iobst C, Shirley E, Stillwagon M. ABOS Questionnaire as a Framework for QSV Evaluation in Pediatric Supracondylar Humerus Fracture Care. POSNA Annual Meeting, Atlanta GA. May 2015.
91. Frick SL. 2015 American Orthopaedic Association Annual Meeting Resident Leadership Forum. Leadership through the Lean Health Care Model. Providence, RI. June 24, 2015.
92. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 9, 2015. Moderator, What am I Missing?
93. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 9, 2015. Ponseti Casting: Principles of Treatment
94. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 9, 2015. Closed and Open Reduction in DDH-What is the Middle of the Road?
95. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 9, 2015. Best Outcomes for Lateral Condyle Fractures.
96. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 10, 2015. Peak Performance: Manage Your Energy, not your Time.
97. Frick SL. International Pediatric Orthopaedic Symposium, Orlando, FL, December 11, 2015. Neuromuscular Hindfoot.
98. Frick SL. 2016 AAOS Annual Meeting Instructional Course Lecture Moderator: Perspectives on Mentoring, Orlando FL, Mar 1, 2016
99. Frick SL. 2016 AAOS Annual Meeting Instructional Course Lecture. Pediatric Flatfoot. Orlando, FL. Mar 2, 2016.
100. Frick SL. 2016 AAOS Annual Meeting Instructional Course Lecture Moderator: Problems and Procedures in Pediatric Trauma: Case Based Learning. Orlando, FL, Mar 4, 2016
101. Frick SL. 2016 AAOS Annual Meeting Best of AAOS Symposium:Pediatrics. Orlando, FL, Mar 4, 2016
102. Frick SL. POSNA Specialty Day: Between Two Worlds: Adolescent Fractures from a Pediatric and Adult Viewpoint, Moderator. Orlando, FL, Mar 5, 2016
103. Frick SL. Outcomes following Careful Observation of Pediatric Perfused Pulseless Supracondylar Humerus Fractures. POSNA Annual Meeting Hand Subspecialty Day, May 2016, Indianapolis, Indiana.
104. Frick SL, Bae D, Ahmad C. AAOS/POSNA Webinar – Elbow Throwing Injuries in the Adolescent Athlete. June 1, 2016.

105. Frick SL. Course Co-Director. Surgical Techniques for Pediatric Sports Medicine and Trauma. AAOS/POSNA Surgical Skills Course, Orthopaedic Learning Center, Rosemont, IL. June 9-10, 2016.
106. Frick SL. Developing and Leading an Excellent Clinical Team. American Orthopaedic Association Annual Meeting Emerging Leaders Forum, Seattle WA. June 21, 2016.
107. Frick SL. Pediatric Orthopaedic Surgical Techniques 1<sup>st</sup> Annual Meeting, Sept 30-Oct 1, 2016. Septic Arthritis of the Hip. Memphis, TN.
108. Frick SL. American Orthopaedic Association webinar. The Coachable Young Leader: How to get involved in national orthopaedic organizations. Nov 16, 2016.
109. Frick SL. Genetic Disorders- a Multidisciplinary approach: Osteogenesis Imperfecta and Morquio's Syndrome. Society for Ear Nose and Throat Advances in Children (SENTAC) annual meeting. Orlando, FL. December 3, 2016
110. Frick SL. Perspectives on a Career in Pediatric Orthopaedics from the Masters, moderator. International Pediatric Orthopaedic Symposium, Orlando FL. December 7, 2016.
111. Frick SL. Ponseti Management of Clubfoot: Principles. International Pediatric Orthopaedic Symposium, Orlando FL. December 7, 2016.
112. Frick SL. Elbow: SCH- My Approach to the Controversies. International Pediatric Orthopaedic Symposium, Orlando FL. December 7, 2016.
113. Frick SL. ORIF of Triplane Ankle Fractures. International Pediatric Orthopaedic Symposium, Orlando FL. December 9, 2016.
114. Frick SL. Complex Pediatric Foot Cases. International Pediatric Orthopaedic Symposium, Orlando FL. December 10, 2016.
115. Frick SL, Morcuende J, Dobbs M, Mencio G, Kasser J. Congenital Clubfoot Journal of Bone and Joint Surgery Webinar, January 25, 2017.
116. Frick SL. 2017 AAOS Annual Meeting Instructional Course Lecture. Pes Planovalgus: From Adolescent to Adulthood. San Diego, CA. March 14, 2017.
117. Frick SL. 2017 AAOS Annual Meeting Instructional Course Lecture. Evidence-Based Treatment of Pediatric Fractures: Tolerances, Treatments and Return to Play. San Diego, CA. March 17, 2017.
118. Frick SL. The Ideal Orthopaedic Residency Curriculum: Past, Present, Future. American Orthopaedic Association Annual Meeting, Charlotte, NC, June 23, 2017.
119. Frick SL. Pediatric Orthopaedic Surgical Techniques 2<sup>nd</sup> Annual Meeting, Sept 29-30, 2017. Septic Arthritis of the Hip. Memphis, TN.
120. Frick SL. SAOTI (Argentina pediatric orthopaedic society) Annual Meeting. 1) Ponseti Method Principles of Treatment, 2) Complex Clubfoot, 3) Lateral Condyle Fractures, 4) Perfused Pulseless Pediatric Supracondylar Humerus Fractures, 5) Controversies in Pediatric Supracondylar Humerus Fractures, 6) Intoeing after Clubfoot, 7) Closed versus Open Reduction of DDH, 8) Osteogenesis Imperfecta, 9) Neuromuscular Hindfoot, Buenos Aires, Argentina, October 5-6, 2017.
121. Frick SL. Cubitus Varus after Pediatric Supracondylar Humerus Fractures. International Pediatric Orthopaedic Symposium, Orlando FL. November 29, 2017.
122. Frick SL. Building Great Teams. International Pediatric Orthopaedic Symposium, Orlando FL. November 30, 2017.



123. Frick SL. Distal Femoral Physeal Fractures. International Pediatric Orthopaedic Symposium, Orlando FL. December 1, 2017.
124. Frick SL. Moderator, Foot and Ankle session, European Pediatric Orthopaedic Society, Oslo, Norway, April 2018.
125. Frick SL. Moderator, Clinical Paper Awards Session, Pediatric Orthopaedic Society of North America Annual Meeting, Austin TX, May 2018.
126. Frick SL. Rates of Achilles tenotomy under local or general anesthesia in clubfoot patients. 9<sup>th</sup> International Clubfoot Congress, 39<sup>th</sup> International SICOT Conference, Montreal CA, October 11, 2018.
127. Frick, SL. Mentoring, Leadership and Advances in Pediatric Orthopaedics. American Academy of Pediatrics National Conference, Orlando FL. November 3, 2018.
128. Frick, SL. Instructional Course Lecture: “Controversies in the Treatment of Infantile Hip Dysplasia: A Worldwide Perspective”. AAOS Annual Meeting, Mar 12, 2019, Las Vegas NV.
129. Frick, SL. Practice Management Course for Residents and Fellows-in-Training. “Practice-Based Learning and Improvement”. AAOS Annual Meeting, Mar 12, 2019, Las Vegas NV
130. Frick, SL. Symposium: Are They Calling You with a Pediatric Orthopaedic Emergency? “Elbow Dislocations in Children.” AAOS Annual Meeting, Mar 14, 2019, Las Vegas NV.
131. Frick, SL. Limb Lengthening and Reconstruction Society Specialty Day. “Congenital Clubfoot: Pediatric Perspective”. Frick SL. AAOS Annual Meeting, Mar 16, 2019, Las Vegas NV.
132. Frick, SL. “Deciding Without Data: Clinical Decision Making in Pediatric Orthopaedic Surgery.” Pediatric Orthopaedic Society of North America Annual Meeting, May 16, 2019, Charlotte, NC.
133. Frick, SL. Symposia Program: “How to Encourage Learning in the Clinic, Yet Still Go Home on Time.” Pediatric Orthopaedic Society of North America Annual Meeting, May 16, 2019, Charlotte, NC.
134. Frick, SL. “How Many Clubfoot Patients Undergo Foot or Ankle Surgery as Adults?” Pediatric Orthopaedic Society of North America Annual Meeting May 17, 2019, Charlotte, NC.
135. Frick SL. Leadership in Quality Improvement and Patient Safety. Symposium 4: “Quality Improvement and Patient Safety. How Leadership Can Create a Culture of Safety.” American Orthopaedic Association Annual Meeting, June 28, 2019, San Diego.
136. Frick, SL. Hughston Partners Grand Rounds. “Femoral Neck Fractures with Capsular Decompression,” “Pediatric Polytrauma: Damage Control Orthopaedics”. Hughston Orthopaedic Clinic, Sept. 16, 2019, Columbus GA.
137. Frick, SL. Georgia Orthopaedic Society Annual Meeting Presidential Guest. “Controversies in Pediatric Elbow Fractures”, Developing Leadership in Orthopaedic Surgery”, Georgia Orthopaedic Society, Sept. 19-22, 2019, Sea Island, GA.
138. Frick SL. Auckland Orthopaedic Society, Nov 15, 2019. “Educating versus Training Residents to Make Better Decisions”. Auckland, NZ.

139. Frick, SL. "Management Strategies to Prevent Complications," International Pediatric Orthopaedic Symposium, December 3-5, 2019, Orlando, Florida.
140. Frick, SL. "Treatment of Foot Coalitions and Coalition Cases," International Pediatric Orthopaedic Symposium, December 3-5, 2019, Orlando, Florida.
141. Frick, SL. "The Immature Hip-Case Based Discussion," International Pediatric Orthopaedic Symposium, December 3-5, 2019, Orlando, Florida.
142. Frick, SL. "Generational Differences in Teaching/Learning: How Can We Best Educate Our Millennials?" International Pediatric Orthopaedic Symposium, December 3-5, 2019, Orlando, Florida.

### **Regional**

1. Frick SL, Tsahakis PJ, Peindl RD, Barr S and Brick GW. Distal femoral allografts for the reconstruction of structural acetabular defects: A biomechanical study with clinical correlation. Oscar Miller Day, Charlotte, N.C., November 1993. Winner Best Resident Paper.
2. Frick SL, Tsahakis PJ, Peindl RD, Barr S and Brick GW. Distal femoral allografts for the reconstruction of structural acetabular defects: A biomechanical study with clinical correlation. Combined N.C./S.C. Orthopaedic Associations Annual Meeting, Asheville, N.C., 1994.
3. Frick SL. Pediatric elbow trauma - Current management. Carolinas Medical Center Spring Symposium, Charlotte, N.C., 1996.
4. Frick SL and Sims SH. The usefulness of computed tomography following simple posterior hip dislocations. Oscar Miller Day, Charlotte, N.C., October 1996. Winner Best Resident Paper.
5. Frick SL. Casting techniques: Methods and myths. UCSD Orthopedic Grand Rounds, San Diego, CA, August, 1997.
6. Frick, SL. Rationale for pelvic osteotomies in hip dysplasia. . UCSD Orthopedic Grand Rounds, San Diego, CA, February, 1998.
7. Frick, SL. Iatrogenic tibiofibular synostosis: A cause of ankle valgus in the growing child. 25<sup>th</sup> Annual David H. Sutherland Pediatric Orthopedic Visiting Professorship, San Diego, CA, April 13, 1998.
8. Frick, SL. Three dimensional CT scan analysis of triple innominate osteotomies. 25<sup>th</sup> Annual David H. Sutherland Pediatric Orthopedic Visiting Professorship, San Diego, CA, April 15, 1998.
9. Frick, SL. The Difficult Supracondylar Humerus Fracture. Pediatric Trauma Section, NC – SC Combined Orthopaedic Society Meeting, Asheville, NC, October 6, 2000.
10. Frick, SL. Pediatric Pathologic Fractures. Pediatric Trauma Section, NC – SC Combined Orthopaedic Society Meeting, Asheville, NC, October 6, 2000.
11. Frick, SL. Pediatric Musculoskeletal Trauma. Southeastern Trauma Symposium, Charleston, SC, December 8, 2000.
12. Frick, SL. Pediatric Musculoskeletal Trauma. Southeastern Trauma Symposium, Myrtle Beach SC, October 4, 2002.

13. Frick SL. Congenital Clubfoot, Interurban Orthopaedic Society Annual Meeting, Iowa City, IA. October 6, 2003.
14. Frick SL. Update on pediatric femoral shaft fractures. Southeastern Fracture Symposium, Greensboro, NC, January 7, 2006.
15. Frick SL. Technique tips: Elastic Stable Intramedullary Nailing for pediatric femur fractures. Southeastern Fracture Symposium, Greensboro, NC, January 7, 2006.
16. Frick SL. Update on pediatric femoral and tibial fractures, Southeastern Fracture Symposium, Greensboro, NC, January 13, 2007
17. Frick SL. Update on pediatric femoral and tibial fractures, Southeastern Fracture Symposium, Charleston, SC, January 19, 2008.
18. Frick SL. Pediatric Orthopaedic Review. Southeastern Pediatrics Review Course, Charlotte, NC July 2009.
19. Frick SL. Ponseti Method Management of Congenital Clubfoot. Oscar Miller Day, Charlotte, NC, October 2009.
20. Frick SL. Conflict Resolution. Senior Resident Leadership Skills Seminar, Charlotte, NC. May 25, 2010.
21. Frick SL. Orthopaedic Issues in Charcot Marie Tooth Disease. CMTA regional meeting, Orlando FL, October 2013.
22. Frick SL. Osteogenesis Imperfecta Lessons. Shriners Hospital for Children Northern California, May 1, 2018.
23. Frick SL. Pediatric Orthopaedic Trauma: Getting through the night. California Orthopedic Society Annual Meeting, San Francisco CA, June 3, 2018.
24. Frick SL. Pediatric Polytrauma and Damage Control Orthopaedics. Western Pediatric Trauma Society, Park City UT, July 19, 2018.
25. Frick SL. Shriners Hospital Northern California, **R. Kirklin Ashley Lectureship**, “Lateral Condyle Malunion”, Sacramento, CA, April 16, 2019.
26. Frick, SL. Common Missed Diagnosis and Misdiagnosis in Peds Ortho. Stanford Children’s Hospital Partners in Pediatric Care Engagement Event, October 24, 2019.
27. Frick, SL. Pediatric Grand Rounds, Santa Clara Valley Medical Center, San Jose California. “Outpatient Management of Pediatric Fractures”, January 8, 2020.
28. Frick, SL. Grand Rounds, John Muir Medical Center, Walnut Creek California. “Important Neuromuscular Conditions in Peds Ortho,” March 5, 2020.
29. Frick, SL. Grand Rounds, Stanford Radiology Department, Palo Alto, California. “Pediatric Femur Fractures,” April 29, 2020.
30. Frick, SL. Grand Rounds, Stanford Radiology Department, Palo Alto, California. “non-accidental Trauma Fractures,” May 20, 2020.

### **Poster Presentations**

1. Frick SL, Hanley EN, Meyer RA, Ramp WR and Chapman TA. Lumbar intervertebral disc transfer: A canine study. Orthopaedic May Research Society, New Orleans, LA, February 1994.

2. Peindl RD, Harrow M, Frick SL, Tshakis PJ and Guilford WB. Quantitative analysis of fresh frozen allografts used in acetabular reconstructions. Orthopaedic Research Society, New Orleans, LA, February 1994.
3. Frick SL and Sims SH. The usefulness of computed tomography following simple posterior hip dislocations. Orthopaedic Trauma Association, Los Angeles, CA, September 1994.
4. David SM, Harrow M, Peindl RD, Frick SL, and Kellam JF. Comparative biomechanical analysis of supracondylar femur fracture fixation: Locked intramedullary nail versus 95 degree angled plate. Orthopaedic Research Society, Orlando, FL, February 1995.
5. Heiner D, Meyer M, Frick SL, Fiechtl J, Kellam J. Gene expression by DNA microarray during fracture healing in rats: A pilot study of intramedullary fixation versus plate fixation in femur fractures. Orthopaedic Research Society Annual Meeting, San Francisco, CA, March 8-10, 2004.
6. Overgrowth after mid-femoral fracture: altered mRNA expression in the rat physis. Ashraf N, Meyer MH, Frick SL, Meyer RA. Pediatric Orthopaedic Society of North America, San Diego, CA, May 2006.
7. Bray C, Scannell B, Casey V, Wattenbarger M, Bosse M, Frick SL. On Call Coverage for Pediatric Orthopaedic Emergencies: Description of an Effective Call System to Optimize Pediatric Patient Care. Pediatric Orthopaedic Society of North America, 2010 Annual Meeting, Waikoloa, HI.
8. Jackson JB, Bray C, Scannell BS, Brighton BK, Roush T, Seymour R, Frick SL. The Perfused Pulseless Supracondylar Humerus Fracture: Intermediate Follow-up of Vascular Status and Function. Orthopaedic Trauma Association 2012 Annual Meeting, Minneapolis, MN.
9. Outcomes Following Treatment of Adolescent Supracondylar Humerus Fractures Loeffler BL, Frick SL, Brighton BK, Gaston RG, Casey VC, Earles M, Jeray KJ, Bissing D, Cannada LK, Hymes RA. Orthopaedic Trauma Association 2012 Annual Meeting, Minneapolis, MN.
10. Scannell BS, Jackson B, Brighton B, Seymour R, Frick SL. Perfusion Assessment after Pediatric Supracondylar Humerus Fracture with Near Infrared Spectroscopy. Poster Presentation, AAOS 2014 Annual Meeting, New Orleans, LA. March 8-11, 2014.
11. Jackson JB, Frick SL, Brighton BK, Casey VF. Angiographic Documentation of Restoration of Blood Flow by Modified Dunn Procedure for Unstable Slipped Capital Femoral Epiphysis. Pediatric Orthopaedic Society of North America 2014 Annual Meeting (**Best Poster Award**), Hollywood CA, 2014.
12. Scannell BP, Vanderhave KL, Loeffler, BJ, Frick SL, Brighton BK, Gaston RG, Casey VF, Jeray KJ, Cannada LK, Hymes R. Adolescent Supracondylar Humerus Fractures: Multi-Center Study of Management and Outcomes. Pediatric Orthopaedic Society of North America 2014 Annual Meeting, Hollywood CA, 2014.
13. Jackson JB, Frick SL, Brighton BK, Casey VF. Angiographic Documentation of Restoration of Blood Flow by Modified Dunn Procedure for Unstable Slipped Capital Femoral Epiphysis. Orthopaedic Research Society Annual Meeting, Las Vegas, NV. March 29, 2015.

14. Brighton B, Gettys F, Roulette P, Vanderhave K, Rozario N, Frick SL. The Utility of Screening MRI for Pediatric Patients with Suspected Musculoskeletal Infection. Pediatric Orthopaedic Society of North America 2015 Annual Meeting, Atlanta GA.
15. Scannell BS, Brighton BK, Vanderhave K, Seymour R, Frick SL. Perfusion Assessment with Near Infrared Spectroscopy (NIRS) in Pediatric Supracondylar Humeral Fractures: Can NIRS detect the poorly perfused extremity? Orthopaedic Trauma Association Annual Meeting, National Harbor, MD. 2016
16. Ball E, Karius A, Hastings KG, McGlothlin D, Rodriguez S, Caruso T, Chan C, Frick SL. Virtual Reality and Bedside Entertainment and Relaxation Theater Usage in Non-Invasive Pediatric Orthopaedic Procedures. E-poster presentation at Pediatric Orthopaedic Society of North America Annual Meeting, Charlotte, North Carolina. May 2019
17. Leyden J, Fung L, Frick SL. Autism and Toe-walking: Are they related? Trends and treatment patterns from 2005-2016. E-poster presentation at Pediatric Orthopaedic Society of North America Annual Meeting, Charlotte, North Carolina. May 2019

#### **Scientific Presentations (Co-authored)**

1. Fehring TK, Peindl RD, Harrow M, Humble R and Frick SL. Wedge versus block augmentation of deficient tibial bone stock in revision TKA. American Academy of Orthopaedic Surgeons, San Francisco, CA, February 1993.
2. Moorefield WG, Frick SL, and Bivens G. Coronal tendo Achilles lengthening in spastic children. American Orthopaedic Foot and Ankle Society, Coeur d'Alene, ID, June 1994.
3. David SM, Harrow M, Peindl RD, Frick SL, and Kellam JF. Comparative biomechanical analysis of supracondylar femur fracture fixation: Locked intramedullary nail versus 95 degree angled plate. Eastern Orthopedic Association, Southampton Bermuda, October 1994.
4. David SM, Harrow M, Peindl RD, Frick SL, and Kellam JF. Comparative biomechanical analysis of supracondylar femur fracture fixation: Locked intramedullary nail versus 95 degree angled plate. American Academy of Orthopaedic Surgeons, Orlando, Fla, February 1995.
5. David SM, Harrow M, Peindl RD, Frick SL, and Kellam JF. Comparative biomechanical analysis of supracondylar femur fracture fixation: Locked intramedullary nail versus 95 degree angled plate. Orthopaedic Trauma Association, Tampa, Fla, September 1995
6. Davids JR, Frick SL, Skewes E, and Blackhurst DW. Postoperative immobilization in children with cerebral palsy: Plaster versus fiberglass. Pediatric Orthopaedic Society of North America, Banff, Canada, 1997 Annual Meeting.
7. Wenger DR, Frick SL, Kim SS, White GR. Technique for triple innominate osteotomy based on 3D CT analysis of complications. Pediatric Orthopaedic Society of North America, Cleveland, OH, 1998 Annual Meeting.
8. Lundeen G and Frick SL. Adult Sequelae of Pediatric Hip Disorders – secondary arthrosis and the influence of retained internal fixation. American Orthopedic Association's Annual Residents' Meeting, Memphis, TN, March 2002.

9. Herzenberg JE, Bor N, and Frick SL. Ponseti Clubfoot treatment in older infants for whom traditional casting has failed. Pediatric Orthopaedic Society of North America, Salt Lake City UT, 2002 Annual Meeting.
10. Lalonde F, Frick SL, Wenger. Surgical Correction of residual hip dysplasia in the juvenile age group. SICOT Annual meeting, San Diego, CA, August 23, 2002.
11. Lundeen G and Frick SL. Adult Sequelae of Pediatric Hip Disorders – secondary arthrosis and the influence of retained internal fixation. North Carolina Orthopaedic Association Annual Meeting, Asheville, NC. October 6, 2002.
12. Large TM and Frick SL. Compartment syndrome of the leg after treatment of a femoral fracture with an early sitting spica cast. North Carolina Orthopaedic Association Annual Meeting, Charleston, SC. September 6, 2003.
13. Morcuende J, Dobbs M, Frick SL, Ponseti I. Results of the Ponseti Method in patients with clubfoot associated with arthrogryposis. American Academy of Orthopaedic Surgeons, San Francisco, CA, March 12, 2004
14. Launay F, Flynn J, Moroz L, Kocher M, Newton P; Frick SL; Sponseller P. An international, multicenter analysis of complications of elastic stable intramedullary nailing of pediatric femur fractures. Pediatric Orthopaedic Society of North America, 2004 Annual Meeting, St. Louis, MO, May 1, 2004.
15. Bosse M, Frick SL, Stell L. Compliance with human use guidelines in orthopaedic clinical research. American Orthopaedic Association, 117<sup>th</sup> Annual Meeting. Boston, MA, June 23, 2004.
16. Patt J, Chewing S, Frick SL. A novel method to transmit translational loads to the spine via sublaminar wires. North Carolina Spine Society, Asheville, NC, October 8, 2004.
17. Bray C, Scannell B, Casey V, Wattenbarger M, Bosse M, Frick SL. On Call Coverage for Pediatric Orthopaedic Emergencies: Description of an Effective Call System to Optimize Pediatric Patient Care. Orthopaedic Trauma Association, 2009 Annual Meeting, Denver, CO.
18. Huntington W, Jackson J, Frick SL. Assessing the Value of Work Done by an Orthopaedic Resident During Call. 2014 AAOS Annual Meeting, New Orleans, LA. March 13, 2014.
19. Iobst C, Ryan D, Frick SL. Multi-center evaluation of Pediatric Supracondylar Humerus Fracture Practice Patterns based on the ABOS Performance Improvement Questionnaire. POSNA Annual Meeting, Atlanta, Ga. May 2015.
20. Scannell BS, Brighton BK, Vanderhave K, Seymour R, Frick SL. Perfusion Assessment after Pediatric Supracondylar Humerus Fractures with Near Infrared Spectroscopy, POSNA Annual Meeting Subspecialty Day Trauma, Indianapolis, IN. Apr 29, 2016.

### **Invited Lectureships**

1. Children’s Hospital of Philadelphia Department of Orthopaedic Surgery – “Congenital Clubfoot”, October 25, 2002, and “Leadership and Mentoring in Academic Orthopaedics: A Young Surgeon’s Perspective”, October 28, 2002.

2. University of Virginia Department of Orthopaedic Surgery – “Developmental Hip Dysplasia” and “Pediatric Fracture Cases”, November 13, 2002.
3. Medical University of South Carolina Department of Orthopaedic Surgery – “Congenital Clubfoot: My experience with the Ponseti Method”, March 2003.
4. University of Minnesota / Regions Hospital Department of Orthopaedic Surgery – “Leadership in Medicine” and “Update: Pediatric Femoral Shaft Fractures”, January 13-14, 2005.
5. Cincinnati Children’s Hospital and University of Cincinnati Department of Orthopaedic Surgery – “Congenital Clubfoot”, “Rare Pediatric Injuries”, and “Professionalism and Conflicts of Interest in Orthopaedics”, May 30-31, 2006.
6. Pediatric Orthopaedic Trauma Summit-Regions Hospital, St. Paul Minnesota. “Becoming a Pediatric Fracture Expert”, “Distal Humeral Osteonecrosis after Trauma” and “Vascular Complications and Compartment Syndrome in Pediatric Fracture Patients”, September 10, 2009.
7. University of Pittsburgh Department of Orthopaedic Surgery – “Becoming a Pediatric Fracture Expert”, April 14, 2010.
8. Oregon Health Sciences University Department of Orthopaedic Surgery- “Lessons in Fracture Care from Osteogenesis Imperfecta” and “Industry-Surgeon Relationships in Orthopaedics”, June 21-22, 2010.
9. Jefferson University Department of Orthopaedic Surgery – “Becoming a Pediatric Fracture Expert” and “Developing Leaders in Orthopaedic Surgery”, September 2, 2010.
10. Harvard University Combined Residency Program and Children’s Hospital Boston Department of Orthopaedic Surgery – “The Future of Orthopaedic Residency Education” January 26, 2011.
11. University of Maryland Department of Orthopaedic Surgery – “Becoming a Pediatric Fracture Expert”, February 10, 2011.
12. University of Virginia Department of Orthopaedic Surgery- “Lessons in Fracture Care from Osteogenesis Imperfecta” and “Leadership Development in Orthopaedics”, April 11, 2011.
13. Orthopaedic Leadership Institute meeting, New York University – “Developing Leaders in Orthopaedic Associations”, July 31, 2011.
14. Harvard University Combined Orthopaedic Program, Massachusetts General Hospital Department of Orthopaedic Surgery- “Pediatric Orthopaedic Education”, September 21, 2011.
15. Campbell Clinic Orthopaedics and Le Bonheur Children’s Hospital Pediatric Orthopaedic Symposium **Keynote speaker-** “Congenital Clubfoot- Ponseti, French or Surgical Treatment” and “Developmental Hip Dysplasia”, November 5, 2011.
16. Atlanta Medical Center King Day **Resident Research Day Visiting Professor** – “Orthopaedic Residency Education in 2012” and “Effects of Obesity on the Growing Skeleton”, May 11, 2012.
17. A.I. duPont Hospital for Children Grand Rounds: “Congenital Clubfoot: Update 2012”, August 22, 2012.
18. Children’s Hospital of Los Angeles **John C. Wilson, Sr. Visiting Professorship:** “Rediscovering the Art of Closed Fracture Management in Modern Orthopaedics”,

- “Perfused, Pulseless Supracondylar Humerus Fractures in Children”, “Defining a Good Result for Congenital Clubfoot Outcomes, and “Orthopaedic Residency Education in the Next Accreditation System”. April 18 and 19, 2013.
19. Medical University of South Carolina Department of Orthopaedic Surgery Grand Rounds – “Perfused and Pulseless Supracondylar Humerus Fractures in Children”, February 3, 2015.
  20. Allegheny General Hospital Department of Orthopaedic Surgery Grand Rounds – “Perfused and Pulseless Supracondylar Humerus Fractures in Children”, “ Ponseti Method for Clubfoot – principles and casting workshop”, “Fracture care principles learned from osteogenesis imperfecta”, and “ Developmental Hip Dysplasia Update”. Pittsburgh, PA, April 6-7, 2015.
  21. Shriners Hospital for Children Springfield, MA **Leon M. Kruger, MD Guest Lectureship**- “Osteogenesis Imperfecta: Management of Lower Extremity Deformities”, “Vascular Injuries Associated with Supracondylar Humerus Fractures”, “Congenital Clubfoot: My Journey to the Ponseti Method”. May 21, 2015.
  22. Children’s Hospital of Boston, **David Grice Day Visiting Professor**- “Outcomes in Perfused Pulseless Supracondylar Humerus Fractures in Children”, “Congenital Clubfoot in 2015”, “Making Good Choices in Orthopaedic Surgery”. October 28, 2015.
  23. University of South Carolina **Kimbrough Moore Lectureship** – “Making Good Choices”, “What to do with Perfused, Pulseless Supracondylar Humerus Fractures in Children”. May 20, 2016.
  24. University of Missouri Grand Rounds. “Controversies in Pediatric Supracondylar Humerus Fracture Management”. January 11, 2017.
  25. University of Alabama-Birmingham Grand Rounds. “Congenital Clubfoot: Current Concepts and Controversies”. February 2, 2017.
  26. University of Michigan **Frederick J. Fischer Pediatric Orthopaedic Lectureship**- “Decision Making in Developmental Dysplasia of the Hip”. April 28, 2017.
  27. Case Western Reserve University **Rainbow Babies Pediatric Orthopaedic Surgery Visiting Professorship**. “Decision Making in Developmental Dysplasia of the Hip”, “What to do with Perfused, Pulseless Supracondylar Humerus Fractures in Children”. May 30, 2017.
  28. SAOTI Annual meeting (Argentina Pediatric Orthopaedic Society). **Presidential Guest Speaker**. “Ponseti Method Principles”, “Complex Clubfoot”, “Supracondylar Humerus Fracture Controversies”, “Perfused Pulseless Supracondylar Humerus Fractures”, “Outcomes of Lateral Condyle Fractures”, “Missed Diagnosis in Emergency Orthopaedics”, “DDH Decision Making”, “Unstable SCFEs”, “Osteogenesis Imperfecta Modern Management”, “Intoeing after Clubfoot Treatment”, “Neuromuscular Hindfoot Management”, Buenos Aires, Argentina, October 5, 6 2017.
  29. Hospital for Special Surgery / Cornell University. **Leon Root Visiting Professorship in Pediatric Orthopaedic Surgery**. “20/20 Vision in Pediatric Orthopaedics: 20 years past and future”. New York, NY. October 13, 2017.



30. Shriners Hospital for Children Portland, **Beattie Lecture Series in Pediatric Orthopaedics**, “Osteogenesis Imperfecta: Long Bone Management”, “Supracondylar Humerus Fractures”, “How to Excel as a Resident”. Portland, OR. October 27, 2017.
31. Vanderbilt University, **Neil Green Visiting Professorship**, “Decision Making in Pediatric Orthopaedics”, “Pulseless Supracondylar Humerus Fractures”, “Personal and Professional Journey to the Ponseti Method”, June 22, 2018.
32. Akron Children’s Hospital Department of Orthopedic Surgery, **Visiting Professorship**, “Leadership and Mentorship in Orthopedic Surgery”, “Osteogenesis Imperfecta Lessons: Modern Treatment and Applications to Fracture Care in Other Patients”, “Developmental Dysplasia of the Hip: Closed vs Open Reduction”, “Controversies in Supracondylar Humerus Fractures”, August 16-17, 2018.
33. Shriners Hospital for Children/University of Kentucky, **Kosair Lectureship**, “My Personal & Professional Clubfoot Journey”, “Making Good Decisions-DDH (Developmental Hip Dysplasia)”, November 1-2, 2018.
34. Pediatric Orthopaedic Society of India **25<sup>th</sup> year Jubilee POSICON** Invited Guest Lecturer, “Triple C osteotomies for foot deformities”, “Hindfoot Osteotomies”, “Pediatric Fracture Cases: Fix it or Leave it”. Jan 3-6, 2019, Mumbai, India.
35. Kaiser Permanente **2019 Dale Daniels Orthopaedic Symposium** Invited Lecture: “Surgical Treatment of Pediatric Sports Medicine Injuries: Pearls and Pitfalls”. February 9, 2019, Huntington Beach, CA.
36. **James H. Beaty Lectureship Visiting Professor**, “Decision-Making in DDH”, “Interview of J.H. Beaty”, and “Turn the Tables Pediatric Orthopaedic Cases”, Campbell Clinic Orthopaedics and LeBonheur Children’s Hospital, Memphis TN, February 21, 2019.
37. **Brandon Carrell Visiting Professorship**, “Clubfoot: What I Think I Know, and What I Know I Don’t Know”, “Decision Making in DDH: Closed versus Open Reduction”, Texas Scottish Rite Hospital for Children, Dallas TX, April 12-14, 2019.
38. **Siegling Visiting Professor**, “Lessons from Difficult Pediatric Elbow Fracture Cases”, “Making Good Decisions in Orthopaedics”, Medical University of South Carolina, Charleston, SC, June 14, 2019.
39. **Georgia Orthopaedic Society Presidential Guest Speaker**, “Controversies in Pediatric Elbow Fractures”, Developing Leadership in Orthopaedic Surgery”, Georgia Orthopaedic Society, Sea Island, GA, September 19-22, 2019.
40. **Auckland Orthopaedic Society Nicholson Visiting Professor**, Auckland City Hospital and Starship Children’s Hospital, Auckland, NZ, November 2019.

### **Educational Program Review**

Children’s Healthcare of Atlanta/ Atlanta Scottish Rite Children’s Hospital/ Children’s Orthopaedics of Atlanta Pediatric Orthopaedic Fellowship External Review, September 2012.