

CURRICULUM VITAE

Kevin B. Fricka, M.D.

CURRENT POSITION

Orthopaedic Surgeon, Anderson Orthopaedic Clinic
Clinical Instructor, Adult Reconstruction Fellowship, Anderson Orthopaedic
Research Institute

PERSONAL DATA

Professional Address: Anderson Orthopaedic Clinic
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2445 Army Navy Drive
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EDUCATIONAL BACKGROUND

College:	1991-1992	United States Military Academy West Point, NY
	1992-1993	Saddleback College Mission Viejo, CA A.A. Chemistry
	1993-1995	Harvard University Cambridge, MA B.A. General Studies, Major: Biology
Medical School:	1995-1999	George Washington University Washington, DC Medical Degree with Distinction

POSTGRADUATE TRAINING

Internship:	1999-2000	UC San Diego Medical Center San Diego, CA General Surgery Director: David Easter, MD
Research Fellowship:	2000-2001	Orthopaedic Biomechanical Laboratory Children's Hospital, San Diego San Diego, CA Advisor: Peter O. Newton, M.D.
Residency	2000-2005	UC San Diego Medical Center San Diego, CA Orthopaedic Surgery Chairman: Steven R. Garfin, M.D.
Fellowship	2005-2006	Rush University Medical Center Chicago, IL Adult Joint Reconstructive Surgery Director: Aaron G. Rosenberg, M.D.

SCHOLARLY, ACADEMIC AWARDS, HONORS

1995	Harvard University Cum Laude
1997	George Washington University School of Medicine Association of Pathology Chairs Honor Society
1999	George Washington University School of Medicine <i>Alpha Omega Alpha</i> Medical Honor Society
1999	George Washington University School of Medicine Julius S. Neviasser Award in Orthopaedic Surgery
1999	George Washington University School of Medicine Medical Degree with Distinction
2001	University of California, San Diego Most Outstanding Presentation, Orthopaedic Resident Research Day
2001	University of California, San Diego James C. Esch Award, Best Resident Research Paper
2002	California Orthopaedic Association Depuy Orthopaedic Research Award
2005	University of California, San Diego Most Outstanding Presentation, Orthopaedic Resident Research Day
2010	Clinical Orthopaedics and Related Research reviewer

LICENSURE AND CERTIFICATION

July 2008	Board Certified, American Board of Orthopaedic Surgery 2008-2018
Jan. 2006	Virginia License #: 0101239380
Sept. 2006	Maryland License #: D0065369
July 2000	DEA License – current
Aug. 2006	INOVA Mt Vernon Hospital privileges

SCHOLARLY SOCIETY MEMBERSHIPS

Medical Societies:	1999-present	Alpha Omega Alpha Honor Society
	1999-present	American Academy of Orthopaedic Surgeons
	2006-present	Washington D.C. Orthopaedic Society
	2007-present	American Association of Hip and Knee Surgeons
	2007-present	Virginia Orthopaedic Society

JOURNAL ARTICLES

Fricka KB, Kim C, Newton, PO. Spinal Lordosis With Marked Opisthotonus Secondary to Dystonia Musculorum Deformans. *Spine* 2001;26:2283-2288.

Fricka KB, Mahar AT, Newton PO. Biomechanical Analysis of Anterior Scoliosis Instrumentation: Differences Between Single and Dual Rod Systems With and Without Interbody Cages. *Spine* 2002;27:702-706.

Newton PO, **Fricka KB**, Lee SS, Farnsworth CL, Cox TG, Mahar AT. Asymmetrical Flexible Tethering of Spinal Growth in an Immature Bovine Model. *Spine* 2002;27:689-693.

- Newton PO, Hahn GW, **Fricka KB**, Wenger DR. The Utility of 3-Dimensional and Multiplanar Reformatted Computed Tomography in the Evaluation of Pediatric Congenital Spinal Abnormalities. *Spine* 2002;27:844-850.
- Fricka KB**, Mahar AT, Lee SS, Newton PO. Biomechanical Analysis of Antegrade and Retrograde Flexible Intramedullary Nail Fixation of Pediatric Femoral Fractures Using a Synthetic Bone Model. *Journal of Pediatric Orthopaedic* 2004;24(2):167-171.
- Newton PO, Faro FD, Farnsworth CL, Shapiro GS, Mohamad F, Parent S, **Fricka KB**. Multilevel Spinal Growth Modulation with an Anterolateral Flexible Tether in an Immature Bovine Model. *Spine* 2005;30:2608-2613.
- Fricka KB**, Marshall A, Paprosky WG. Constrained Liners in Revision THA: An Overuse Syndrome. *Journal of Arthroplasty* 2006;21(4 Suppl 1):121-125.
- Newton PO, Farnsworth CL, Faro FD, Mahar AT, Odell TR, Mohamad F, Breisch E, **Fricka KB**, Upasani VV, Amiel D. Spinal growth modulation with an anterolateral flexible tether in an immature bovine model: disc health and motion preservation. *Spine*. 2008;33(7):724-33.
- Fricka KB**, Hamilton WG. Gender –Specific Total Knee Arthroplasty: A Current Review. *Current Orthopaedic Practice*. 2009;20(1):47-50.
- Hartzband MA, Glassman AH, Goldberg VM, Jordan LR, Crowninshield RD, **Fricka KB**, Jordan LC. An Evaluation of a Low Stiffness Extensively Porous Coated Femoral Hip at 10 Years. *Clinical Orthopaedics and Related Research*. 2009 (In press)
- Powers CC, **Fricka KB**, Austin MS, Engh CA Sr. Five Duraloc Locking Ring Failures. *Journal of Arthroplasty*. 2010 Jan 21. [Epub ahead of print]
- Engh CA Jr, Ho H, Engh CA Sr, Hamilton WG, **Fricka KB**. Metal-on-Metal Hip Arthroplasty Adverse Local Tissue Reaction. *Seminars in Arthroplasty*. 2010;21(1):19-23.

BOOK CHAPTERS

- Allen RT, **Fricka KB**, Brage ME. Degenerative Joint Diseases of the Midfoot and Forefoot. In: Thordarson DB, editor. *Essentials of Orthopaedic Surgery: Foot and Ankle Surgery*. Philadelphia: Lippincott Williams & Wilkins; 2004:221-241.
- Fricka KB**, Gortz S, Bugbee WD. The Hip. In: Hochberg MC, Silman AJ, Smolen JS, Weinblatt ME and Weisman MH, editors. *Rheumatology*. 4th edition. London: Elsevier: (In press).
- Fricka KB**. Chapter 28: In the recovery room my patient does not have a distal pulse in the operative leg. What should I do? In: Della Valle CJ. *Curbside Consultation in Total Knee Arthroplasty: 49 Clinical Questions*. New Jersey: SLACK Incorp.
- Calendine C, **Fricka KB**. Chapter 33: How do you manage acute extensor mechanism disruptions? In: Della Valle CJ. *Curbside Consultation in Total Knee Arthroplasty: 49 Clinical Questions*. New Jersey: SLACK Incorp.
- Fricka KB**. Chapter 41: I performed a hip revision on a patient using a 20 mm extensively coated stem. At her five year follow-up appointment she is asymptomatic but I see severe proximal bone loss. Do I need to do anything? In: Sporer, SM. *Curbside Consultation in Total Hip Arthroplasty: 49 Clinical Questions*. New Jersey: SLACK Incorp.
- Barrett, M, **Fricka, KB**, Hamilton WG: Total Hip Arthroplasty in Developmental Dysplasia of the Hip. In: Brown TE. *Arthritis and Arthroplasty: The Hip*. New Jersey:Elsevier. (2009 in press)
- Gay D, **Fricka KB**: Chapter 70: Evaluation of the Painful Total Knee Arthroplasty. In: Parvizi J. *Knee Reconstruction, Replacement and Revisions*. Towson, MD:Data Trace (2011 in press)

Fricka KB: Use of a Fully Porous Coated Stem for a Type 2 Femur. In: AAOS DVD, The Adult Hip. Chicago, IL:AAOS (2011 in press)

ABSTRACTS AND PRESENTATIONS TO SCIENTIFIC COMMUNITY

Mahar AT, **Fricka KB**, Lee SS, Newton PO. Biomechanical Analysis of Antegrade and Retrograde Flexible Intramedullary Nail Fixation of Simulated Femoral Fractures. Presented by Andrew T. Mahar at the XVIIIth Congress of The International Society of Biomechanics. Zurich, Switzerland:July 2001.

Fricka KB, Mahar AT, Newton PO. Biomechanical Analysis of Anterior Scoliosis Instrumentation: Differences Between Single and Dual Rod Systems With and Without Interbody Cages. Presented by Peter O. Newton at International Meeting on Advanced Spine Technologies. Paradise Island, Bahamas:July 2001.

Fricka KB, Mahar AT, Newton PO. Biomechanical Analysis of Anterior Spinal Instrumentation Constructs for Lumbar Fusion. Presented by Andrew T. Mahar at the American Society of Biomechanics 25th Annual Meeting. San Diego, CA:August 2001.

Fricka KB, Chamber HG, Newton PO, Mubarak SJ. Scooter-related Orthopaedic Injuries in Children. Presented by **Kevin B. Fricka** at the American Academy of Pediatrics 2001 National Conference Section on Orthopaedics. San Francisco, CA:October 2001.

Fricka KB, Mahar AT, Newton PO. Biomechanical Analysis of Anterior Scoliosis Instrumentation: Differences Between Single and Dual Rod Systems With and Without Interbody Cages. Poster presentation at Scoliosis Research Society, 36th Annual Meeting, Cleveland, OH:September 19-22, 2001.

Fricka KB, Mahar AT, Newton PO. Biomechanical Analysis of Anterior Scoliosis Instrumentation: Differences Between Single and Dual Rod Systems With and Without Interbody Cages. Poster presentation at American Academy of Orthopaedic Surgeons, 69th Annual Meeting, Dallas, TX:February 13-17, 2002.

Fricka KB, Mahar AT, Newton PO. Biomechanical Analysis of Anterior Scoliosis Instrumentation: Differences Between Single and Dual Rod Systems With and Without Interbody Cages. Poster presentation at Orthopaedic Research Society, 48th Annual Meeting, Dallas, TX:February 10-13, 2002.

Newton PO, **Fricka KB**, Lee SS, Farnsworth CL, Cox TG, Mahar AT. Asymmetrical Flexible Tethering of Spinal Growth in an Immature Bovine Model. Presented by **Kevin B. Fricka** at California Orthopaedic Association, 2002 Annual Meeting, Palm Springs, CA:April 5-7, 2002. **Depuy Orthopaedic Research Award Winner.**

Newton PO, **Fricka KB**, Lee SS, Farnsworth CL, Cox TG, Mahar AT. Asymmetrical Flexible Tethering of Spinal Growth in an Immature Bovine Model. Poster presentation at 35th Annual Residents' Conference of the American Orthopaedic Association and the Orthopaedic Research and Education Foundation, Memphis TN:April 12-14, 2002.

Fricka KB, Mahar AT, Newton PO. Biomechanical Analysis of Anterior Scoliosis Instrumentation: Differences Between Single and Dual Rod Systems With and Without Interbody Structural Support. Presented by **Kevin B. Fricka** at 35th Annual Residents' Conference of the American Orthopaedic Association and the Orthopaedic Research and Education Foundation, Memphis TN:April 12-14, 2002.

Fricka KB, Mahar AT, Lee SS, Newton PO. Biomechanical Analysis of Antegrade and Retrograde Flexible Intramedullary Nail Fixation of Pediatric Femoral Fractures Using a Synthetic Bone Model. Presented by Peter O. Newton at Pediatric Orthopaedic Society of North America, 2002 Annual Meeting, Salt Lake City, UT:May 3-6, 2002.

Newton PO, Hahn GW, **Fricka KB**, Wenger DR. The Utility of 3-Dimensional and Multiplanar Reformatted Computed Tomography in the Evaluation of Pediatric Congenital Spinal Abnormalities. Presented by Peter O. Newton at SICOT/SIROT 2002 Société Internationale de Chirurgie Orthopédique et de Traumatologie XXII World Congress, San Diego, CA:August 28-31, 2002.

Fricka KB, Mahar AT, Newton PO. Biomechanical Analysis of Anterior Scoliosis Instrumentation: Differences Between Single and Dual Rod Systems With and Without Interbody Structural Support. Presented by **Kevin B. Fricka** at

SICOT/SIROT 2002 Société Internationale de Chirurgie Orthopédique et de Traumatologie XXII World Congress, San Diego, CA:August 28-31, 2002.

Fricka KB, Chamber HG, Newton PO, Mubarak SJ. Scooter-related Orthopaedic Injuries in Children. Presented by **Kevin B. Fricka** at SICOT/SIROT 2002 Société Internationale de Chirurgie Orthopédique et de Traumatologie XXII World Congress, San Diego, CA:August 28-31, 2002.

Fricka KB, Mahar AT, Lee SS, Newton PO. Biomechanical Analysis of Antegrade and Retrograde Flexible Intramedullary Nail Fixation of Pediatric Femoral Fractures Using a Synthetic Bone Model. Poster presentation at SICOT/SIROT 2002 Société Internationale de Chirurgie Orthopédique et de Traumatologie XXII World Congress, San Diego, CA:August 28-31, 2002.

Newton PO, Faro FD, Farnsworth CL, Shapiro GS, Mohamad F, Parent S, **Fricka KB**. Multilevel Spinal Growth Modulation with an Anterolateral Flexible Tether in an Immature Bovine Model. Poster presentation at American Academy of Orthopaedic Surgeons, 72nd Annual Meeting, Washington DC:February 23-27, 2005.

Hamilton WG, Ammeen D, **Fricka KB**, Engh CA, Engh GA. Learning Curve with Minimally Invasive Unicompartamental Arthroplasty. Poster presentation at the American Association Hip and Knee Surgeons, 17th Annual Meeting, Dallas TX:November 2-4, 2007

Fricka KB, Hamilton WG, Engh Jr CA, Engh GA. Arthroscopic Treatment of the Painful Minimally Invasive Unicompartamental Arthroplasty. Presented by Kevin B. Fricka at the Virginia Orthopaedic Society Annual Meeting, Wintergreen, VA:May 2-4, 2008.

Hamilton, WG, **Fricka, KB**, Egawa, H, Ho, H, Hopper, RH, Engh, CA, Jr, Engh CA. Relationship between Acetabular Osteolysis Volume and Cup-Lesion Interface Involvement in Cementless Total Hip Arthroplasty. Poster presentation at Virginia Orthopaedic Society, Wintergreen, 2008.

Hamilton, WG, **Fricka, KB**, Reeves, JR, Fehring, K, Ameen, D, Engh, CA, Engh, GA. Isolated Mechanical Thrombophylaxis Following Total Knee Arthroplasty. Poster presentation at Virginia Orthopaedic Society, Wintergreen, May, 2008.

Fricka KB. New Procedures in Total Hip Replacement. Invited lecture at the International Orthopaedic Society Meeting hosted by the Paraguayan Orthopaedic Society. Asuncion, Paraguay:October 13-15, 2008

Fricka KB. New Procedures in Total Knee Replacement. Invited lecture at the International Orthopaedic Society Meeting hosted by the Paraguayan Orthopaedic Society. Asuncion, Paraguay:October 13-15, 2008

Fricka KB. Treatment of Infection after Total Hip Replacement. Invited lecture at the International Orthopaedic Society Meeting hosted by the Paraguayan Orthopaedic Society. Asuncion, Paraguay:October 13-15, 2008

Fricka KB. Treatment of Infection after Total Knee Replacement. Invited lecture at the International Orthopaedic Society Meeting hosted by the Paraguayan Orthopaedic Society. Asuncion, Paraguay:October 13-15, 2008

Fricka KB. The Use of Trabecular Metal in Complex Revision Total Hip Arthroplasty. Invited lecture at the Engh Society Fellows Meeting. St. Thomas, US Virgin Islands:January 15-18, 2009.

Fricka KB. Gender Knee: Myth vs. Reality, Marketing vs. Science. Invited lecture at the Engh Society Fellows Meeting. St. Thomas, US Virgin Islands:January 15-18, 2009.

Fricka KB. The Use of Trabecular Metal in Complex Revision Total Knee Arthroplasty. Invited lecture at the Engh Society Fellows Meeting. Alexandria, VA:October 22-24, 2009.

Paprosky WG, Sporer S, **Fricka KB**, Marshall A. Use of Constrained Liners in the Type 3B Acetabulum: Is There a Higher Rate of Loosening? Presented at the American Academy of Orthopaedic Surgeons, 76th Annual Meeting, Las Vegas, NV:February 25-28, 2009.

Hartzband MA, Glassman AH, Goldberg VM, Jordan LR, Crowninshield RD, **Fricka KB**, Jordan LC. An Evaluation of a Low Stiffness Extensively Porous Coated Femoral Hip at 10 Years. Paper presentation at Virginia Orthopaedic Society, Virginia Beach, VA. May 2009.

Hamilton, WG, **Fricka, KB**, Reeves, JR, Ameen, D, Engh, GA. Isolated Mechanical Thromboprophylaxis Following Total Knee Arthroplasty. Paper presentation at American Academy of Orthopaedic Surgeons, 77th Annual Meeting, New Orleans, LA: April 2010.

Fricka KB. Debate: PS vs CR Total Knee Replacement. In Favor of Cruciate Retaining Total Knee Arthroplasty. Paper presentation at Virginia Orthopaedic Society, Charlottesville, VA. May 2010

Fricka KB. Approach to the Painful Total Knee Replacement. Invited lecture at the national meeting of Physician Assistants in Orthopaedic Surgery. Washington, DC September 2010.

Fricka KB, Engh CA Jr, Hamilton WG, Ho H, Engh CA. Pathologically Confirmed Metal-on-Metal THA Adverse Local Tissue Reactions from One Center. Paper presentation at American Academy of Orthopaedic Surgeons, 78th Annual Meeting, San Diego: February 2011.

Fricka KB. Moderator Surgical Approaches to THA: Anterior vs Posterior Approach. Invited Moderator at Virginia Orthopaedic Society, The Homestead, VA. May 2011

Fricka KB, Ho H, Peace W, Engh CA Jr. Metal on metal local tissue reaction is associated with corrosion of head taper junction. Paper presentation at American Association of Hip and Knee Surgeons Annual Meeting, Dallas, TX: November 2011.

Fricka KB, Hamilton, WG, Engh CA Jr, Engh CA. Survivorship and Revision Analysis Among Primary Metal on Metal Total Hip Arthroplasty Using 36 mm Diameter Heads. Paper presentation at American Academy of Orthopaedic Surgeons, 79th Annual Meeting, San Francisco, CA: February 2012.

GRANT AWARDS

Orthopaedic Research and Education Foundation Research Grant

Participated in the pilot study and grant writing process for this research grant which was subsequently funded by the OREF for \$50,000 per year for two years. Principal Investigator: Peter O. Newton, MD; *Multilevel Spinal Growth Modulation with an Anterolateral Flexible Tether in an Immature Bovine Model*. July 2002.

Zimmer Inc. External Research Funding

A Prospective, Randomized Study Comparing Cemented and Cementless Total Knee Replacements: Results of a New Modular Trabecular Metal Tibial Component Using the NexGen System. Principal Investigator: Kevin Fricka, MD. April 2010

VOLUNTEER WORK

Operation Walk-Virginia – September 12-19, 2009: Quito, Ecuador. A non-profit organization, which provided surgical treatment for patients with no access to life-improving knee and hip replacements.

Operation Walk-Virginia – October 8-15, 2011; Managua, Nicaragua.