

Curriculum Vitae

KEVIN A. KIRBY, D.P.M., M.S.

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PRIVATE PRACTICE

1985-2014 Group Podiatric-Orthopedic and Industrial Musculoskeletal Injury Practice
Sacramento, California

EDUCATION

1984-1985 Fellowship in Podiatric Biomechanics and Master of Science in Podiatric Biomechanics
California College of Podiatric Medicine: M.S. Degree

1983-1984 Podiatric Medicine and Surgery Residency Program
Veteran's Administration Medical Center, Palo Alto

1979-1983 California College of Podiatric Medicine
San Francisco, CA: D.P.M. Degree - 5/1/83

1975-1979 University of California, Davis
B.S. Degree in Animal Physiology - 6/15/79

AWARDS AND HONORS

2002 Journal of American Podiatric Medical Association
Scholl Award for Outstanding Paper Published, 2001
"Subtalar Joint Axis Location and Rotational Equilibrium Theory of Foot Function"

1993 Journal of American Podiatric Medical Association
Scholl Award for Outstanding Paper Published, 1992
"The Medial Heel Skive Technique: Improving Pronation Control in Foot Orthoses"

1993 American Academy of Podiatric Sports Medicine
Richard O. Schuster Biomechanics Award

1983 American College of Foot Orthopedists Award for
Outstanding Student in Orthopedics, California College of Podiatric Medicine

1983 Outstanding Performance Award - Department of Podiatric
Biomechanics, California College of Podiatric Medicine

1978 - 1979 Phi Kappa Phi National Honor Society, U.C. Davis

1975 - 1979 Dean's Honor List, U.C. Davis

1977 U.C. Davis Cross Country Team "Most Inspirational Runner" Award

ACADEMIC AND CLINICAL APPOINTMENTS

Adjunct Associate Professor
Department of Applied Biomechanics
California School of Podiatric Medicine at Samuel Merritt University, Oakland, CA

Editorial Advisory Board
Journal of the American Podiatric Medical Association

Director of Clinical Biomechanics
Precision Intricast Orthosis Labs
Payson, Arizona

Manuscript Reviewer
Journal of Foot and Ankle Surgery

Former Member
Podiatric Medical Education Committee
California School of Podiatric Medicine at Samuel Merritt College

Former Chairman of Podiatric Surgery
Methodist Hospital of Sacramento

CERTIFICATION

Board Certified, American Board of Podiatric Medicine, August 1992

Qualified Medical Examiner, State of California, June 1993

LECTURES

1985-2014 Numerous lectures at international and national seminars, podiatry colleges and medical schools on foot and lower extremity biomechanics and sports injuries. Have lectured internationally on 31 occasions at seminars in Rome, Italy; Ghent, Belgium; Beijing, China; Madrid, Zaragoza and Valladolid, Spain; Sydney and Melbourne, Australia; Auckland and Wellington, New Zealand; Manchester, Heythrop Park and Cheltenham, England; Punta Cana, Dominican Republic; Calgary, Montreal, Ottawa, Toronto, Vancouver, and London, Canada. Have also lectured in the USA at Cornell University, New York; Boston, Massachusetts; Atlanta, Georgia; Raleigh, North Carolina;

Oklahoma City, Oklahoma; Philadelphia, Pennsylvania; Miami Beach and Orlando, Florida; Des Moines, Iowa; Chicago, Illinois; Cleveland, Ohio; Payson, Phoenix, Prescott and Sedona, Arizona; Reno, Nevada; Seattle and Bellevue, Washington; and in Lake Tahoe, Los Angeles, Palm Springs, Reno, San Diego, and San Francisco, California.

BOOKS

Kirby KA: *Foot and Lower Extremity Biomechanics: A Ten Year Collection of Precision Intricast Newsletters*. Precision Intricast, Inc., Payson, Arizona, 1997.

Kirby KA: *Foot and Lower Extremity Biomechanics II: Precision Intricast Newsletters, 1997-2002*. Precision Intricast, Inc., Payson, Arizona, 2002.

Kirby KA: *Foot and Lower Extremity Biomechanics III: Precision Intricast Newsletters, 2002-2008*. Precision Intricast, Inc., Payson, AZ, 2009.

Kirby KA: *Biomechanica del Pie y la Extremidad Inferior: Coleccion de una Decada de Articulos de Precision Intricast*. Precision Intricast, Inc., Payson, Arizona, 2012.

Kirby KA: *Biomechanica del Pie y la Extremidad Inferior: Articulos de Precision Intricast, 1997-2002*. Precision Intricast, Inc., Payson, Arizona, 2012.

Kirby KA: *Biomechanica del Pie y la Extremidad Inferior: Articulos de Precision Intricast, 2002-2008*. Precision Intricast, Inc., Payson, AZ, 2012.

Kirby KA: *Foot and Lower Extremity Biomechanics IV: Precision Intricast Newsletters, 2009-2013*. Precision Intricast, Inc., Payson, AZ, 2014.

PUBLICATIONS

Kirby KA, Valmassy RL: The runner-patient history: what to ask and why. *JAPMA*, 73: 39-43, 1983.

Santoro JP, Kirby KA: Boot fitting problems in the skier. *JAPMA*, 76: 572-576, 1986.

Kirby KA: Methods for determination of positional variations in the subtalar joint axis. *JAPMA*, 77: 228-234, 1987.

Kirby KA, Arkin DB, Laine W:: Digital systolic pressure determination in the foot. *JAPMA*, 77: 340-342, 1987.

Kirby KA, Loendorf AJ, Gregorio R: Anterior axial projection of the foot. *JAPMA*, 78: 159-170, 1988.

Kirby KA: Rotational equilibrium across the subtalar joint axis. *JAPMA*, 79: 1-14, 1989.

Kirby KA, Green DR: "Evaluation and Nonoperative Management of Pes Valgus", pp. 295-327, in DeValentine, S.(ed), *Foot and Ankle Disorders in Children*. Churchill-Livingstone, New York, 1992.

Kirby KA: The medial heel skive technique: improving pronation control in foot orthoses. *JAPMA*, 82: 177-188, 1992.

Ruby P, Hull ML, Kirby KA, Jenkins DW:: The effect of lower-limb anatomy on knee loads during seated cycling. *J. Biomechanics*, 25 (10): 1195-1207, 1992.

Johnson RE, Kirby KA, Lieberman JS: Lateral plantar nerve entrapment: foot pain in a power lifter. *Am J Sports Medicine*, 20 (5):619-620, 1992.

Kirby KA: Podiatric biomechanics: an integral part of evaluating and treating the athlete. *Medicine, Exercise, Nutrition and Health*, 2 (4):196-202, 1993.

Kirby KA: Modifying orthoses. *Podiatry Today*, Vol VII, No. 6, pp.42-46, 1994.

Kirby KA: Functional design in running, court and fitness shoes. *Podiatry Today*, Vol VII, No. 9, pp. 37-44, 1995.

Kirby KA: How much are orthotics really worth? *Podiatry Management*, Vol 14, No. 6, pp. 73-77, 1995.

Kirby KA: "Troubleshooting Functional Foot Orthoses", pp. 327-348, in Valmassy, R.L.(editor), *Clinical Biomechanics of the Lower Extremities*, Mosby-Year Book, St. Louis, 1996.

Kirby KA: Biomechanics of the normal and abnormal foot, *JAPMA*, 90:30-34, 2000.

Kirby KA: Conservative treatment of posterior tibial dysfunction. *Podiatry Management*, Vol 19, No 7, pp. 73-82, 2000.

Kirby KA: Subtalar joint axis location and rotational equilibrium theory of foot function. *JAPMA*, 91:465-488, 2001.

Kirby KA: What future direction should podiatric biomechanics take? *Clinics in Podiatric Medicine and Surgery*, 18 (4):719-723, 2001.

Van Gheluwe B., Kirby KA, Roosen P, Phillips RD: Reliability and accuracy of biomechanical measurements of the lower extremities. *JAPMA*, 92:317-326, 2002.

Lewis GS, Kirby KA, Piazza SJ: A motion-based method for location of the subtalar joint axis assessed in cadaver specimens. Presented at 10th Anniversary Meeting of Gait and Clinical Movement Analysis Society in Portland, Oregon. April 7, 2005.

Kirby KA, Roukis TS: Precise naming aids dorsiflexion stiffness diagnosis. *Biomechanics*, 12 (7): 55-62, 2005.

Roukis TS, Kirby KA: A simple intraoperative technique to accurately align the rearfoot complex. *JAPMA*, 95:505-507, 2005.

Van Gheluwe B, Kirby KA, Hagman F: Effects of simulated genu valgum and genu varum on ground reaction forces and subtalar joint function during gait. *JAPMA*, 95: 531-541, 2005.

Spooner SK, Kirby KA: The subtalar joint axis locator: A preliminary report. *JAPMA*, 96:212-219, 2006.

Kirby KA: Foot orthoses: therapeutic efficacy, theory and research evidence for their biomechanical effect. *Foot Ankle Quarterly*, 18(2):49-57, 2006.

Kirby KA: Emerging concepts in podiatric biomechanics. *Podiatry Today*. 19:(12)36-48, 2006.

Lewis GS, Kirby KA, Piazza SJ: Determination of subtalar joint axis location by restriction of talocrural joint motion. *Gait and Posture*. 25:63-69, 2007.

Pascual Huerta J, Ropa Moreno JM, Kirby KA: Static response of maximally pronated and nonmaximally pronated feet to frontal plane wedging of foot orthoses. *JAPMA*, 99:13-19, 2009.

Lewis GS, Cohen TL, Seisler AR, Kirby KA, Sheehan FT, Piazza SJ: In vivo tests of an improved method for functional location of the subtalar joint axis. *J Biomechanics*, 42:146-151, 2009.

Kirby KA: Are Root biomechanics dying? *Podiatry Today*. 22(4):58-65, 2009.

Kirby KA: Podiatry's future: Biomechanics versus surgery or biomechanics with surgery? *Podiatry Today*. 22:(4):87, 2009.

Van Gheluwe B, Kirby KA: Foot biomechanics and podiatry: Research meets the clinical world. *Footwear Science*, 1:79-80, 2009.

Kirby KA: Is the grass always greener on the other side of the fence? *Podiatry Today*, 22(8):95, 2009.

Pascual Huerta J, Ropa Moreno JM, Kirby KA, Garcia Carmona FJ, Orejana Garcia AM: Effect of 7-degree rearfoot varus and valgus wedging on rearfoot kinematics and kinetics during the stance phase of walking. *JAPMA*, 99(5):415-421, 2009.

Kirby KA: Tales from the frontlines of daily shoe battles. *Podiatry Today*, 22(12):73 , 2009.

Kirby KA: "Evolution of Foot Orthoses in Sports", in Werd MB and Knight EL (eds), *Athletic Footwear and Orthoses in Sports Medicine*. Springer, New York, 2010.

Kirby KA: Current concepts in treating medial tibial stress syndrome. *Podiatry Today*. 23(4):52-57, 2010.

Kirby KA: Is barefoot running a growing trend or a passing fad? *Podiatry Today*. 23(4):73, 2010.

Kirby KA: Why mastering biomechanics is crucial to the profession. *Podiatry Today*. 23(8):89, 2010.

Van Gheluwe B, Kirby K: Research and clinical synergy in foot and lower extremity biomechanics. *Footwear Science*, 2:111-122, 2010.

Spooner SK, Smith DK, Kirby KA: In-shoe pressure measurement and foot orthosis research. A giant leap forward or a step too far. *JAPMA*, 100:518-529, 2010.

Kirby KA: How confusion over biomechanics can inspire the profession. *Podiatry Today*. 23:(12), 2010.

Kirby KA: Introduction to Recent Advances in Orthotic Therapy. In Scherer PR (ed), *Recent Advances in Orthotic Therapy: Improving Clinical Outcomes with a Pathology Specific Approach*, Lower Extremity Review, USA, 2011.

Kirby KA: Understanding the biomechanics of subtalar joint arthroereisis. *Podiatry Today*. 24:(4)36-45, 2011.

Kirby KA: Have you walked a mile in your patients' shoes? *Podiatry Today*. 24:(4)81, 2011.

Kirby KA: Podiatry seminar content: science or infomercials? *Podiatry Today*, 24:(8)82, 2011.

Kirby KA, Barrett SL: Point-Counterpoint: Recalcitrant Plantar Fasciitis: Is Fasciotomy Ever Necessary? *Podiatry Today*, 24 (11):60-66, 2011.

Kirby KA: For DPMs, it's a wonderful life. *Podiatry Today*, 24:(12)82, 2011.

Kirby KA: Will physical therapists be teaching us biomechanics in 2030? *Podiatry Today*, 25(4):97, 2012.

Kirby KA: Barefoot versus shod running: Which is Best? *Podiatry Today*, 25(5):54-60, 2012.

Kirby KA: Addressing Perceptions of Age and How They Affect Our Interactions With Patients. *Podiatry Today*, 25(8):97, 2012.

Kirby KA, Spooner SK, Scherer PR, Schuberth JM: Foot orthoses. *Foot & Ankle Specialist*, 5(5):334-343, 2012.

Kirby KA: Orthotics Are Not Biomechanics. *Podiatry Today*, 25(12):66, 2012.

Kirby KA: Is manual examination of the foot a dying art? Podiatry Today, 26(4):82, 2013.

Fuller EA, Kirby KA: Subtalar joint equilibrium and tissue stress approach to biomechanical therapy of the foot and lower extremity. In Albert SF, Curran SA (eds): Biomechanics of the Lower Extremity: Theory and Practice, Volume 1. Bipedmed, LLC, Denver, 2013, pp. 205-264.

Kirby KA: Why I Became a Podiatrist. Podiatry Today, 26(8):90, 2013.

Kirby KA: Footstrike and Running Form Controversies: What Does the Scientific Evidence Tell Us? Foot and Ankle Quarterly, 24(3):109-118, 2013.

SOCIETIES

American College of Foot and Ankle Orthopedics and Medicine, Fellow
American College of Foot and Ankle Surgeons, Associate
American Academy of Podiatric Sports Medicine, Member
American Podiatric Medical Association, Member
California Podiatric Medical Association, Member
Gait and Clinical Movement Analysis Society, Member
International Society of Biomechanics, Member
Sacramento Valley Podiatric Medical Society, Member

HOSPITAL PRIVILEGES

Methodist Hospital of Sacramento, Active Staff
Mercy General Hospital of Sacramento, Courtesy Staff