
Jonathan Patrick Smerek

Updated May 21, 2007

Private Practice – Methodist Sports Medicine Center
Indianapolis, IN
Foot and Ankle Reconstruction

EDUCATION:

Fellowship: FOOT AND ANKLE SURGERY
The Institute for Foot and Ankle Reconstruction at Mercy
Mark Myerson, M.D., Fellowship Director
Mercy Medical Center
Baltimore, Maryland
August 2005 – July 2006

Residency: ORTHOPAEDIC SURGERY
The Ohio State University
Department of Orthopaedics
Columbus, Ohio
July 2001 – June 2005

Internship: GENERAL AND ORTHOPAEDIC SURGERY
The Ohio State University Medical Center
Columbus, Ohio
July 2000 – June 2001

M.D. University of Cincinnati College of Medicine
Cincinnati, Ohio
Date of Graduation: June 2000

M.S. Rensselaer Polytechnic Institute
Troy, New York
Major: *Biomedical Engineering*
Date of Graduation: May 1996

B.S. University of Notre Dame
Notre Dame, Indiana
Major: *Mechanical Engineering*

Cum Laude

Date of Graduation: May 1994

HONORS:

Undergraduate:

- *Cum Laude* graduate, 1994
- *University of Notre Dame Dean's List* – 1990-94
- *Knute Rockne Student/Athlete of the Year Award* – Track and Field, 1993 and 1994.

RESEARCH and PUBLICATIONS:

Current Concepts Review: Metatarsalgia.

Norman Espinoza, **Jonathan Smerek**, Ernesto Maceira, and Mark Myerson

Submitted for publication, September 2006

Foot and Ankle International

Percutaneous Screw Fixation Versus Perimeter Plating of Calcaneus Fractures: A Biomechanical Study.

Jonathan Smerek, A. Kadakia, S. Belkoff, and Mark Myerson

Submitted for publication, September 2006

Foot and Ankle International

Percutaneous Allograft Lateral Ligament Reconstruction of the Ankle

In “Minimally Invasive Surgery of the Foot and Ankle”

Jonathan Smerek and Mark Myerson

In editor review, August 2006

Radiographic Comparison of Walker Boot versus Cast in Ankle Immobilization. Anish Kadakia, **Jonathan Smerek**, C.

Jeng Mark Myerson

In editor review, *Foot and Ankle International*, January 2007

Acute and Chronic Syndesmosis Injuries: Pathomechanisms, Diagnosis, and Management.

Norman Espinoza, **Jonathan Smerek**, and Mark Myerson

Foot and Ankle Clinics N Am 2006; (11) 639-657

Operative management of ankle instability: Reconstruction with open and percutaneous methods

Norman Espinoza, **Jonathan Smerek**, A.Kadakia, and Mark

Myerson

Foot and Ankle Clinics N Am 2006; (11) 547-565.

Residency:

“The Popliteal Hiatus Extension Tear of the Lateral Meniscus”

Advisor - Christopher Kaeding, M.D.
Department of Orthopaedics
The Ohio State University

Medical School:

“Survivorship of the Mittelmeier Autophor Ceramic Prosthesis in Total Hip Arthroplasty”

Advisor - Edward H. Miller
Wellington Orthopaedics and Sports Medicine
Cincinnati, Ohio

- Poster awarded 2nd place in the student research fellowship forum in fall 1997.

Graduate School:

- Master’s Thesis: “Implant Load Distribution, Preload, and the Screw Joint Opening: Investigations into the Bränemark Oral Implant System”

Advisor - John Brunski, Ph.D.
Professor, Department of Biomedical Engineering
Rensselaer Polytechnic Institute
Troy, New York.

- Performed research in the area of biomechanics as it relates to oral implant design and placement, including bone resorption, modeling and mathematical models of implant/bone interface.

Graduate School

PUBLICATIONS:

Smerek J, J.P. Brunski and G Wolfinger: Implant loading with all-acrylic vs. metal-supported acrylic prostheses. *Journal of Dental Research*, 76: pg. 1996. Sp. Iss SI 1997

Brunski, J.P. Evaul, G. and J. Smerek: Biomechanics of overdentures attached to frameworks by different methods. *Journal of Dental Research*, 75: pg. 1326, Sp Iss. SI 1997

- Helped author article in NobelBiocare newsletter about current Bränemark implant research, 1997.

POSITIONS:

Rensselaer Polytechnic Institute

Teaching and Research Assistant – 1994-1996

- Assisted in instructing students in Biomechanics, Biomaterials, Dynamics, Statics, Thermodynamics, and Engineering Design and Analysis.

Troy, New York

W.R. Grace Emission Control Products

Design and Manufacturing Engineer – Summers 1992, 1993, 1994
Hiram, Ohio

Hiram College Grounds Crew

Grounds Crew Leader – Summers 1986-1991
Hiram, Ohio

ACTIVITIES: Member, American Academy of Orthopaedic Surgeons

Member, American Orthopaedic Foot and Ankle Society

Member, American Orthopaedic Foot and Ankle Society Young Physicians Society

Resident Member, American Orthopaedic Foot and Ankle Society

Monogram Winner, 1991,92,93,94, University of Notre Dame Track and Field

Captain, Field Events, 1993,94, University of Notre Dame Track and Field