

## CURRICULUM VITAE

Michael Joseph Fitzpatrick, M.D.

### EDUCATION

Case Western Reserve University, Magne Cum Laude Cleveland, Ohio	B.S.	Biomedical Engineering	1986-1989
Jefferson Medical College, Philadelphia, Pennsylvania	M.D.		1990-1993
Pennsylvania Hospital, Philadelphia, Pennsylvania	Internship	General Surgery	1993-1994
Thomas Jefferson University Hospital, Philadelphia, Pennsylvania	Resident	Orthopaedic Surgery	1994-1998
University of Southern California, Los Angeles, California	Fellowship	Sports Medicine	2002-2003

### LICENSES AND CERTIFICATIONS

Pennsylvania Medical License	1995
Florida Medical License	1999
American Board of Orthopaedic Surgeons	2001
California Medical License G-86507	2002
California Department of Health Services: X-Ray Supervisor and Operator Certification No. 122300	2006

UPIN # H93591

### PRINCIPAL POSITIONS HELD

Research Faculty  
Orthopaedic Biomechanics Laboratory  
VA Healthcare System  
Long Beach, CA

2005-present

Staff Orthopaedic Surgeon

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Mission Regional Medical Center

Mission Viejo, CA

2005-present

Staff Orthopaedic Surgeon

Children's Hospital of Orange County

Mission Viejo, CA

2005-present

University of California, Irvine

Department of Orthopaedic Surgery

Associate Clinical Professor

2005-2007

University of Florida, Jacksonville

Department of Orthopaedic Surgery

Residency Program Director

2004-2005

University of Florida, Jacksonville

Department of Orthopaedic Surgery

Assistant Professor

2003-2005

University of Southern California/LA County Hospital

Faculty Fellow Orthopaedic Surgeon

2002-2003

Studies Degree for Orthopaedics

Perceptor for Masters of Physician Assistant

2000-2001

#### ANCILLARY POSITIONS HELD CONCURRENTLY

Medical Quality Committee Member, Mission Regional Medical Center

Mission Viejo, CA

2008-present

Graduate Medical Education Committee Chairman, MRMC

present

Mission Viejo, CA

2009-

Team Physician, Trabuco Hills High School

Mission Viejo, CA

2008-present

Orthopaedic Surgeon, Children's Hospital of Orange County

Mission Viejo, CA

2005-present

Team Physician, Barracudas Hockey, WHL2

Jacksonville, Florida

2003-2005

Team Physician, Edward Waters College Football

Jacksonville, Florida

2003-2005

Staff Orthopaedic Surgeon, Eglin Hospital  
Eglin Air Force Base, Florida 1998-2002

### HONORS AND AWARDS

Case Institute of Technology Alumni Scholarship  
Undergraduate Research Fellowship,  
Department of Pathology  
Case Western Reserve University, OH 1988

Tau Beta Pi, Engineering Honor Society  
Case Western Reserve University, OH 1988

Sigma Alpha Epsilon Fraternity  
Case Western Reserve University, OH  
President 1987  
Convention Chairman 1988  
Alumni Coordinator 1989

Hobart Amory Hare Society  
Jefferson Medical College, PA 1991-1993

Gibbons Surgical Society  
Jefferson Medical College, PA 1992-1993

Jefferson Orthopaedic Society  
Jefferson Medical College, PA 1990-1993

Alpha Omega Alpha, President  
Jefferson Medical College, PA 1992-1993

Medal of Accommodation, U.S. Air Force  
Operation Enduring Freedom, Cairo, Egypt 2001

National Defense Service Medal, U.S. Air Force 2001

Medal of Accommodation, U.S. Air Force  
Operation Enduring Freedom, Incirlik, Turkey 2002

Meritorious Service Award, U.S. Air Force  
Distinguished Service as an Orthopaedic Surgeon 2002

### MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Academy of Orthopaedic Surgeons 1995

California Orthopaedic Medical Association	2005
Orange County Medical Association	2005
Florida Orthopaedic Society	2003
Duval County Medical Society	2004
American Orthopaedic Society of Sports Medicine	2007
Arthroscopy Association of North America	2007

PRESENTATIONS AT SCIENTIFIC MEETINGS AND SOCIETIES

15 <sup>th</sup> Annual Meeting of the Society of Biomaterials, Buena Vista, FL Zhao Q, Agger MP, <b>Fitzpatrick MJ</b> , Anderson JM, Hiltner, A, Stokes K, and Urbanski P. PRESENTATION: In vivo studies of stress-cracking in polyetherurethanes using the cage implant system.	1989
15 <sup>th</sup> Annual Meeting of the Society for Biomaterials, Buena Vista, FL Agger MP, <b>Fitzpatrick MJ</b> , Anderson JM PRESENTATION: Biocompatibility of biosensors i: inflammatory Response to silicon nitride insulating materials.	1989
61 <sup>st</sup> Annual Meeting of American Academy of Orthopaedic Surgeons New Orleans, LA Lin SS, Tuan RS, <b>Fitzpatrick MJ</b> , Pizzutillo P POSTER: Treatment of open fractures with intramedullary (im) nail coated with antibiotic impregnated biodegradable drug delivery system.	03/1994
64 <sup>th</sup> Annual Meeting of American Academy of Orthopaedic Surgeons San Francisco, CA <b>Fitzpatrick MJ</b> , DeLong W, Shah A POSTER: Biomechanical evaluation of three techniques for the fixation of ankle syndesmotic injuries	02/1997
University of Florida Grand Rounds, Jacksonville, FL PRESENTATION: The anatomy, pathology, and definitive treatment of rotator interval lesions.	03/2003
Orthopaedic Research Society Meeting, San Francisco, CA <b>Fitzpatrick MJ</b> , Lee YS, McGarry MH, Tibone JE, Lee TQ POSTER: Alterations in kinematics and glenohumeral forces in a thrower's shoulder.	03/2004
Arthroscopic Association of North America Meeting Vancouver, British Columbia <b>Fitzpatrick MJ</b> , Copley, LAB, Adelman SC, Ross S.	02/2005

PRESENTATION: Comparison of Indwelling Pain Catheter to Epidural and Femoral Nerve Block for Postoperative Pain Management after ACL Reconstruction

American Shoulder Elbow Society Closed Meeting, Chicago IL 09/2006  
Itamura J, *Fitzpatrick MJ*, Diltz MV, Chu E, McGarry MH, Lee TQ.

PRESENTATION: Influence of Forearm Orientation and Axial Compression on Elbow Injuries in the Extended Elbow

American Shoulder Elbow Society Open Meeting,  
San Diego, CA

Udall JH, *Fitzpatrick MJ*, Leba T, McGarry MH, Lee TQ

PRESENTATION: Effects of Flexor-Pronator Muscles on Valgus Stability of the Elbow

\* Neer Award Nominated 02/2007

Orthopaedic Research Society Meeting  
San Diego, CA

*Fitzpatrick MJ*, Diltz MV, Chu E, McGarry MH, Lee TQ

PRESENTATION: Influence of Forearm Orientation and Axial Compression on Elbow Injuries in the Extended Elbow 02/2007

Diltz MV, *Fitzpatrick MJ*, Chu E, McGarry MH, Lee TQ

PRESENTATION: Elbow Joint Kinematics during Axial Load with the Elbow in Extension 02/2007

*Fitzpatrick MJ*, Udall JH, Leba T, McGarry MH, Lee TQ

PRESENTATION: Biomechanical Comparison of Stretching and Cutting Models for Medial Ulnar Collateral Ligament Injuries of the Elbow 02/2007

Udall JH, *Fitzpatrick MJ*, Leba T, McGarry MH, Lee TQ

PRESENTATION: Effects of Flexor-Pronator Muscles on Valgus Stability of the Elbow 02/2007

Orthopaedic Trauma Association Meeting  
Boston, MA

*Fitzpatrick MJ*, Diltz MV, Chu E, McGarry MH, Lee TQ.

PRESENTATION: Influence of Forearm Orientation and Axial Compression on Elbow Injuries in the Extended Elbow 10/2007

75<sup>th</sup> Annual Meeting of American Academy of Orthopaedics Surgeons 3/2008  
San Francisco, CA

Cheung S, *Fitzpatrick MJ*, McGarry MH, Lee TQ

PRESENTATION: Effects of Shoulder Position on Axillary Nerve Position during Lateral Deltoid Approach

Orthopaedic Trauma Association Meeting 10/2008

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Denver, CO

Cheung S, *Fitzpatrick MJ*, Pirolo J, Lee TQ

PRESENTATION: Posterior Approach to the Shoulder: The Effects of Shoulder Position on the Proximity of the Neurovascular Structures

American Shoulder Elbow Society Open Meeting, 2/2009

Las Vegas, NV

Gates JJ, Gilliland J, McGarry MH, Park MC, Acevedo D, *Fitzpatrick MJ*, Lee TQ.

PRESENTATION: The Influence of Distinct Anatomic Subregions of the Supraspinatus on Humeral Rotation

\*Neer Award Nominated

Orthopaedic Research Society Meeting 2/2009

Las Vegas, NV

*Fitzpatrick MJ*, Cheung S, Pirolo J, McGarry MH, Lee TQ.

PRESENTATION: Geometric Comparison of the Native Humeral Head and a Humeral Head Resurfaced Using a Minimally Invasive Posterior Approach

76<sup>th</sup> Annual Meeting of the American Academy of Orthopaedic Surgeons (submitted 6/2009)

New Orleans

*Fitzpatrick MJ*, Chung KC, McGarry MH, Lee TQ

PRESENTATION: The Lateral Humeral Safe Zones: The Effects of Shoulder Position on the Location of the Radial and Axillary Nerves

#### SUBMITTED FOR PUBLICATION

*Fitzpatrick MJ*, Diltz MV, Chu E, McGarry MH, Lee TQ. Axial compression injuries of the extended elbow: A new model for the “terrible triad” fracture – dislocations. J Shoulder Elbow Surg. (submitted 6/2009)

Cheung S, *Fitzpatrick MJ*, Pirolo J, Lee TQ. Posterior approach to the shoulder: the effects of shoulder position on the proximity of the neurovascular structures. J Bone Joint Surg. (being revised for publication).

#### INVITED LECTURES

YMCA/WAYS Community Lectures

Jacksonville, FL

PRESENTATION: Prevention of Injuries in the Runner

3/2003

- PRESENTATION: Physiology of Muscle Conditioning 2/2004
- Orthopaedic Injuries in Primary Care Course  
Jacksonville, FL  
PRESENTATION: Overuse Injuries in the Young Athlete 4/2004
- Primary Care Grand Rounds Mission Hospital  
Mission Viejo, CA  
PRESENTATION: Overuse Injuries in the Young Athlete 10/2005
- Pediatric Grand Hoag Hospital  
Newport Beach, CA  
PRESENTATION: Overuse injuries in the Pediatric Athlete 1/2006
- Exercise Physiology Group at UC Irvine  
Irvine, CA  
PRESENTATION: ACL and Overuse Injuries in the Pediatric Athlete 4/2006
- Primary Care Grand Rounds, Our Lady of the Valley Hospital  
West Covina, CA  
PRESENTATION: Skateboard, Skim Board and Scooter Injuries 5/2006
- Primary Care Grand Rounds Mission Hospital  
PRESENTATION: Rotator Cuff: Anatomy, Pathology and Treatments 2/2007
- Dana Hill High School Introduction to Medical Careers, Dana Hills High School  
Dana Point, CA  
PRESENTATION: A Career in Orthopaedic Surgery 12/2007
- Managers Orientation for 2008 Season, Trabuco Canyon Little League  
Trabuco Canyon, CA  
PRESENTATION: Prevention and Treatment of Throwing Injuries 1/2008

## RESEARCH

***Fitzpatrick MJ***, and Lee TQ

Minimally invasive surgical technique for shoulder arthroplasty and fracture fixation.  
Biomechanical evaluation of elbow fracture and instability, Biomechanical evaluation of shoulder soft tissue injury and repair.

## GRANTS

***Fitzpatrick MJ***

PROJECT: A Minimally Invasive Approach for Proximal Humerus Plating:  
Determining the Distal Safe Zone 08/2007  
Research supported by a grant from Synthes USA, Paoli PA

PUBLICATIONS

Peer reviewed

1. Zhao Q, Agger MP, **Fitzpatrick MJ**, Anderson JM, Hiltner A, Stokes K, and Urbanski P; Cellular interaction with biomaterials: in vivo cracking of pre-stressed pellethane 2363A; J. Biomed, Mat, Res., 24, 621-637, 1990.
2. **Fitzpatrick MJ**, Augsburger JJ, Koreishi FM, Eagle RC Jr. Complete ring melanoma of the choroids. Retina 1996; 16:228-31.
3. Kupcha P., **Fitzpatrick MJ**. Application of the tension band technique for arthrodesis of the forefoot and midfoot. Foot & Ankle Internat. Dec 1996; 17:284.
4. Taras SJ, **Fitzpatrick MJ**. Compartment syndrome of the leg after plantaris tendon harvest: a case report. J Hand Surg [Am]. 2001 Nov; 26(6): 1135-7.
5. **Fitzpatrick MJ**, Powell SE, Tibone JE, Warren RF. The anatomy, pathology, and definitive treatment of rotator interval lesions: Instructional Course Lecture. Arthroscopy. 2003; 19 Suppl 1: 70-9.
6. **Fitzpatrick MJ**, Tibone JE, Grossman M, Mc Garry MH, Lee TQ. The development of cadaveric models for a thrower's shoulder. J Shoulder Elbow Surg. 2005 Jan./Feb.14S 49S-57.
7. Panossian VR, Mihata T, Tibone JE, **Fitzpatrick MJ**, McGarry MH, Lee TQ. Biomechanical analysis of isolated type II SLAP lesions and repair. J Shoulder Elbow Surg. 2005 Sept-Oct; 14(5):529-34.
8. Mihata T, McGarry MH, Tibone JE, **Fitzpatrick MJ**, Kinoshita M, Lee TQ. Biomechanical assessment of Type II superior labral anterior-posterior (SLAP) lesions associated with anterior shoulder capsular laxity as seen in throwers: a cadaveric study. Am J Sports Med. 2008 Aug; 36 (8): 1604-10.
9. Cheung S, **Fitzpatrick MJ**, McGarry MH, Lee TQ. Effects of shoulder position on the location of the axillary nerve during the lateral deltoid approach. J Shoulder Elbow Surg 2009; May.
10. Udall JH, **Fitzpatrick MJ**, McGarry MH, Leba TB, Lee TQ. Effects of flexor-pronator muscle loading on valgus stability of the elbow with an intact, stretched, and resected medial ulnar collateral ligament. J Shoulder Elbow Surg 2009; May.
11. Gates JJ, Gilliland J, McGarry MH, Park MC, Acevedo D, **Fitzpatrick MJ**, Lee TQ. The influence of distinct anatomic subregions of the supraspinatus on humeral rotation. J Shoulder Elbow Surg (being revised for publication)

1. ***Fitzpatrick MJ***, DeLong W, Shah A. Biomechanical evaluation of three techniques for the fixation of ankle syndesmotic injuries, *The Jefferson Orthop J* 26, 1997.
2. ***Fitzpatrick MJ***, Taras JS, Shah A. Outcome comparison of carpal tunnel releases in smokers versus non-smokers. *The Jefferson Orthop J* 27; 1998
3. ***Fitzpatrick MJ***, Lee TQ. Instability in an athlete's shoulder. *In* *The Athlete's Shoulder* (Video). (ed) Pearl M. American Academy of Orthopaedic Surgeons 2004. Rosemont , IL
4. Skinner H, ***Fitzpatrick MJ***. *Essentials of Orthopaedic Surgery Handbook*. McGraw Hill 2007. Sept 2007.
5. ***Fitzpatrick MJ***. *Shoulder Arthroplasty and Elbow Arthroplasty*. *In* *Essentials of Orthopaedic Surgery*. (Ed) Skinner H and Paiement G. McGraw Hill. Scheduled for publication Jan 2010.