



# AMIT A. SAHASRABUDHE

## RESEARCH EXPERIENCE

### **Anatomic double-bundle anterior cruciate ligament reconstruction: evaluation of tibial tunnels and footprint with 3-D CT scan.**

Current surgical technique allows duplication of the ACL footprint, which can be objectively quantified with postoperative volume rendering 3-D CT scan.

Institut de l'Appareil Locomoteur: Summer 2007

*Preceptor: Pascal Christel, M.D.*

### **Minimally Invasive Total Knee Arthroplasty: A Learning Curve**

There is a significant learning curve for minimally invasive total knee arthroplasty.

Taos Orthopaedic Institute: August 2006 – July 2007

*Preceptor: James Lubowitz, M.D.*

### **MRI Analysis of the posterolateral bundle of the native ACL**

The posterolateral bundle of the ACL cannot be consistently identified on routine MR imaging.

University of Pittsburgh: July 2005 – May 2006

*Preceptor: Freddie H. Fu, M.D., DSc (Hon), DPs (Hon)*

### **Outcomes of tibiotalar fusions using a posterior approach**

A blade plate and posterior approach leads to better outcomes in treating traumatic pilon fractures with primary tibiotalar fusion.

University of Pittsburgh: July 2004 – June 2006

*Preceptor: Gary Gruen, M.D.*

### **Association between femoral shaft fractures and spine fractures**

This retrospective study evaluated whether patients who sustained femoral shaft fractures had concomitant thoracolumbar fractures. Our study had a 5.2% incidence.

Case Western Reserve University: July 1999 - April 2001

*Preceptor: Brendan Patterson, M.D.*

### **Magnetic stimulation to induce cough reflex in paralyzed patients**

Magnetic stimulation of the phrenic nerve induces a cough reflex, which can reduce risk of pneumonia in paralyzed patients.

Case Western Reserve University: May 1998- December 1998

*Preceptors: Anthony DiMarco, M.D. and Dominique Durand, PhD*

## RESEARCH GRANTS

**Synthes AONA:** Clinical Investigator Grant for study looking at outcomes of tibiotalar fusions using a posterior approach.

Principal Investigator: Amit Sahasrabudhe

Co-Investigator: Gary Gruen, M.D.

**Award: \$5000**

**American Heart Association:** Clinical Investigator Grant for study using magnetic stimulation to induce cough reflex in paralyzed patients

Principal Investigator: Amit Sahasrabudhe

Co-Investigators: Anthony DiMarco, M.D. and Dominique Durand, PhD

**Award: \$2000**

# AMIT A. SAHASRABUDHE

## AWARDS, HONORS, AND PRESENTATIONS

Herbert Stuart Award for <b>Excellence in Anatomy</b> – Case Western Reserve University	2001
<b>Honors in Orthopaedics</b> – Case Western Reserve University	2001
<b>American Orthopaedic Association</b> , Hershey, PA. Presented research on the association between femoral shaft fractures and spine fractures.	2001
<b>University Scholars Program</b> – Pennsylvania State University	1994-97

## PROFESSIONAL SOCIETY MEMBERSHIPS

American Association of Orthopedic Surgeons -Resident Member	July 2002- present
American Medical Students Association -Secretary of Case Western chapter	1997- 2001
Alpha Epsilon Delta – Pre-medical Honor Society -Vice-President of Penn State chapter	1994-1997
Omicron Delta Kappa – National Leadership Honor Society	1994-1997
Golden Key National Honor Society	1995-1997

## TEACHING EXPERIENCE

Case Western Reserve University, Cleveland, Ohio Instructor in Gross Anatomy for undergraduate, graduate, and medical students	July 1998 - May 2001
The Princeton Review Instructor for MCAT courses	January -August 1997
Pennsylvania State University, University Park, Pennsylvania Instructor for freshman Chemistry laboratory course	Sept 1994- May 1997

## OTHER RELEVANT EXPERIENCE

<b>Reviewer</b> for Arthroscopy Journal	August 2006 - present
<b>Medical Consultant</b> for EADevices, a medical device start-up company	July 2004 - present
<b>Team Physician</b> for Serra Catholic High School Football Team, Pittsburgh, PA	2004
<b>NASA Externship</b> , Kennedy Space Center Orthopaedic Surgery in a Microgravity Environment	November 2000
<b>Socialized Medicine Externship</b> , Brussels, Belgium Studied socialized medicine and its efficacy in delivering healthcare	March 2000