

**EMORY UNIVERSITY SCHOOL OF MEDICINE
STANDARD CURRICULUM VITAE FORMAT**

Revised: October 9, 2012

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Citizenship: U.S.

Current Titles and Affiliations:

Academic appointments:

Primary appointments:

Assistant Professor of Orthopaedic Surgery
Emory University School of Medicine
February 1, 2005

Administrative Appointments

Director, Sports Medicine Fellowship
Emory University School of Medicine
2006 – present

Previous Academic and Professional Appointments:

St. John's and Community Hospitals, Anderson, IN 1990
Hospital Medical Education Program

St. Vincent's Hospital, Indianapolis, IN 1991-93
Director, Orthopaedic Externship

Adjunct Assistant Professor, Department of Exercise and Sports Science July 1,
2004-

Director, Orthopaedic Sports Medicine Fellowship 2001-2004

University of North Carolina, Chapel Hill, NC
Assistant Professor
Department of Orthopaedic Surgery
September 1, 2000 – January 31, 2005

Previous Administrative and/or Clinical Appointments:

Head Resident Team Physician, North Carolina Central University, 1995-1997

Head Resident Team Physician, Duke University, 1997-1998

Denver Broncos Training Camp Physician, July-August, 1999

National Football League Invitational Combine Team Physician (Denver Broncos)
February 2000

Colorado Rockies Team Physician, Spring Training, March, 2000

Chief, UNC Shoulder and Elbow Service 2002-2004

Team Physician, University of North Carolina Varsity Athletics, 2003-2004
Upper Extremity Consultant- University of North Carolina Athletics 2000-2004
Team Physician, UNC Tar Heel Athletics 2003-2004

Licensures/Boards:

National Board of Medical Examiners, July 1, 1994 (#428227)
North Carolina Board of Medical Examiners (Active), 1997 (# 97-0185)
South Carolina Board of Medical Examiners (Active), 2004 (#26986)
Georgia Board of Medical Examiners (Active), 2004 (#055533)

Specialty Boards:

American Board of Orthopaedic Surgery, July 18, 2002

Education:

University of Notre Dame, Notre Dame, Indiana
B.A. Pre-Professional Studies, August 1985 - May 1989

Indiana University School of Medicine,
Indianapolis, Indiana
M.D. August 1989 - June 1993

Postgraduate Training:

Duke University Medical Center
Durham, North Carolina
General Surgery Internship, June 1993 - June 1994
General Surgery Junior Assistant Resident, July 1994 - June 1995
Orthopaedic Surgery Residency, July 1995 - June 1999

Steadman Hawkins Clinic, Vail, Colorado
Sports Medicine and Shoulder Fellowship, July 1999 - July 2000

Committee Memberships:

Institutional

Director, Emory Healthcare Orthopaedic Sports Medicine Fellowship
Program
Center for the Study of Retired Athletes Advisory Group

National

Arthroscopy Association of North America Membership Committee 2005-
2007
Arthroscopy Association of North America Fellowship Committee 2005-
2007
American Academy of Orthopaedic Surgery Multimedia Education
Center Subcommittee 2006-2008
American Academy of Orthopaedic Surgery Annual Meeting Committee
—
Shoulder and Elbow Section 2008-2010

Manuscript reviewer:

American Journal of Sports Medicine, 2002- present
Journal of Shoulder and Elbow Surgery, 2007 - present

Honors and Awards:

NCAA Catholic College Wrestling All-American, 1986
University of Notre Dame Monogram Club
University of Notre Dame London Program (Study Abroad)

Madison County (IN) EMS Citizenship Award, 1986
American Academy of Orthopaedic Surgeons 2001 Annual Meeting "Award Winner" for outstanding video production
Orthopaedic Research and Education Foundation Order of Merit, 2001
American Medical Association Physician's Recognition Award, 2002
O'Connor Award Finalist (top 10 abstract), Arthroscopy Association of North America Annual Meeting, 2002
Melvin Post Award Finalist (top 7 abstract), American Shoulder and Elbow Surgeons Annual Meeting, 2004
Best Resident Paper (co-author), North Carolina Orthopaedic Association Annual Meeting, 2004
"Best Seller" video production, AAOS Instructional Series, 2004
American Orthopaedic Society for Sports Medicine Pacific Rim Traveling Fellowship. July 19-August 12, 2005.
Emerging Leaders Program, American Orthopaedic Association, 2005-2006.
Skoot Dimon Award for best resident paper (corresponding author) September 21, 2007
Listed as one of "Atlanta's Top Physicians" in Atlanta Magazine, July 2007
Harley and Betty Baxter Southern Orthopaedic Association Resident/Fellow Award 2007
"America's Top Sports Medicine Specialist" Men's Health Magazine, April 2007
American Shoulder and Elbow Surgeons, October, 2006
"America's Top Sports Medicine Specialists for Women" Women's Health Magazine November 2008
Atlanta's Top Physicians, Atlanta Magazine, July 2009
Atlanta's Top Physicians, Atlanta Magazine, July 2010
Atlanta's Best Doctors, Atlanta Magazine, July 2012

Society Memberships:

Diplomat of the American Board of Orthopaedic Surgery
Arthroscopy Association of North America
Membership Committee 2005-2007
Fellowship Committee 2005-2007
American College of Sports Medicine
American Orthopaedic Society for Sports Medicine
American Academy of Orthopaedic Surgeons
Multimedia Education Center Subcommittee 2006-2008
Political Action Committee
Diplomat of the National Board of Medical Examiners
AAOS Political Action Committee
Hawkins Shoulder Society
North Carolina Orthopaedic Society
North Carolina Shoulder Club
The Piedmont Orthopaedic Society
The Notre Dame Orthopaedic Society
American Shoulder and Elbow Surgeons
Georgia Shoulder and Elbow Society
American Orthopaedic Association
Emerging Leaders Program 2005-2006
Southern Orthopaedic Association
Board of Directors 2012-

Grant Support:

Current Support

Anthrex Corporation \$30,000 Yearly Grant for Sports Medicine Fellowship

Research Program 2008

Encore Medical \$85,000 Yearly grant for Emory Sports Medicine and Shoulder Fellowship Program 2008

Previous Support

Arthrocare Corporation, \$3,000. *Clinical Outcome of Patients Treated with the Capsure Thermal Capsulorrhaphy Device*, 2001 (Co-investigator).

National Institutes of Health T35 Short Term Research Training Grant #DK07386-21; \$3,127. *Cyclic Load to Failure in Three-Peg versus Four-Peg Glenoid Prosthetic Implants*, 2001 (Co-investigator).

Arthrocare Corporation, \$10,000. *Biomechanical Analysis of Human Tendons Treated with Thermal Microdebridement*, 2002 (Principal investigator).

National Institutes of Health T35 Short Term Research Training Grant #DK07386; \$4,161. *Biomechanical Properties of Braided Soft Tissue Grafts*, 2002 (Co-investigator).

National Institutes of Health T35 Short Term Research Training Grant #DK07386; \$4,161. *Scapular Kinematics in Rotator Cuff Rehabilitation*, 2003 (Co-investigator).

Encore Orthopaedics, \$25,000. *FDA Clinical Trial of the Reverse Shoulder prosthesis*, 2002-2003 (Co-investigator).

Holderness Medical Fellowship Program, \$6,000. *Scapular Kinematic Patterns in Individuals with Glenohumeral Internal Rotation Deficit*, 2004 (Co-investigator).

Arthrocare Corporation, \$30,000. FDA Multi-center clinical trial: "Thermal Microdebridement for the Management of Lateral Epicondylitis", 2003-2005 (Principal investigator).

Smith-Nephew Orthopaedics, \$10,000. *Biomechanical Evaluation of Endobutton Distal Biceps Repair*, 2004 (Principal Investigator).

UNC Medical Alumni Endowment Fund, \$2000. *Biomechanical Testing of Fixation Methods for Biceps Tendon Repair*, 2004 (Co-investigator).

Arthrex Corporation, \$10,000. *Effects of Autologous Conditioned Serum on the Biomechanical and Matrix Remodeling Properties of Bioengineered Rotator Cuff Tendons*, 2004 (Principal Investigator).

Clinical Service Contributions:

Team Physician, University of North Carolina Varsity Athletics
2003-2005

Consulting Team Physician – Emory University Athletics Department
February 2005 – present

Consulting Team Physician – Georgia Tech University Athletics Department
February 2005 – Present

Head Team Physician – Georgia Tech University Baseball.
February 2007-present

Formal Teaching:

Medical Student Teaching

UNC School of Medicine Musculoskeletal Course- Instructor
Supervised medical student research in the Nike Human Performance Lab, Duke University Medical Center, 1997-98.
UNC Third Year Medical Student Surgical Core Course- Instructor
UNC Third Year Medical Student Physical Diagnosis Course- Instructor
Instructor for Duke University Medical Students surgical subspecialty in orthopaedics.

Preceptor for Medical Student NIH funded Summer Research Fellowship:

Emily Chang, MSII. *Scapular Kinematic Patterns in Individuals with Glenohumeral Internal Rotation Deficit*, 2004.

Arun Aneja, MSII. *Suture Plication, Thermal Shrinkage, and Sclerosing Agents: Effects on Rat Patellar Tendon Length and Biomechanical Strength*, 2003.

Nicholas Morgan, MS II. *Scapular Kinematics in Rotator Cuff Rehabilitation*, 2003.

Nilpesh Patel MS II. *Biomechanical properties of Braided Soft Tissue Grafts*, 2002.

Preceptor for Emory Medical Student Research

Jay R. Desai, MSIV. *Anatomic Relationships and Neurovascular Risk During Arthroscopic Coracoid Decompression: A Comparison of Intraarticular and Subdeltoid Approaches*, 2006.

Heidi Reich, MSII. *Outcomes of allograft dermal matrix for the management of large and massive rotator cuff tears*, 2007

Justin Gordon, MSII. *Biomechanical Evaluation of Dual Row Rotator Cuff Repair- Implications on the Medial Row*, 2008.

Graduate Program

Director and Faculty, Emory Healthcare Orthopaedic Sports Medicine Fellowship

Emory Healthcare Sports Medicine Athletic Training Fellowship Program

Lecturer, Emory University School of Medicine Department of Physical Medicine and Rehabilitation Grand Rounds 2005 –

Resident Research Preceptor – Emory University Department of

Orthopaedics

Brett Sweitzer PGY-4 "Torsional properties of five types of humeral stems: a biomechanical analysis of loosening and failure characteristics"

2006-2008

Tim Greene, PGY-3 "Anatomic relationships and neurovascular risk during arthroscopic coracoid decompression: a comparison of intraarticular and subdeltoid approaches. 2006-2008

Brad Register PGY-4 "Outcomes of allograft dermal matrix for the management of large and massive rotator cuff tears" 2007-2008

Albert Pendleton, PGY-2 "Arthroscopic scapulothoracic debridement. technique and results", 2008

Brian Dierckman, PGY-2 "Medial row anchor strain in dual row rotator Cuff repair" 2008

Other categories

[Physician assistant, physical therapist, etc.]

Lecturer, Biomedical Engineering Course (BM 212) University of North Carolina- Chapel Hill

Teaching Fellow, Steadman Hawkins Clinic- Coordinated weekly conferences, anatomic dissections, and daily topics for physical therapy and athletic training students, fellows, and attendings.

Advisor, Georgia Tech Department of Biomedical Engineering Senior

Thesis

Helen Yu, Gary Trakham, Vasily Buharin "A suture passing device for arthroscopic rotator cuff repair, 2006-2007

Supervisory Teaching:

Masters Thesis Committees, University of North Carolina Department of Exercise and Sports Science:

Kevin Bunn, BS. *The Effects of Muscle Fatigue on the Sensorimotor System and Joint Kinematics of the Shoulder*, 2004-2005.

Mike DeStefano, BS. *Comparison of Hip and Trunk Kinematics During a Side-Step Cutting Maneuver Between Male and Female Division I Collegiate Soccer Players*, 2003-2004.

Jennifer Layton, BS. *Scapular Strength and Postural Measurements in Collegiate Swimmers*, 2003-2004.

Charles T. Thigpen, MS. *Reliability of Three-Dimensional Scapular Rotation Measures*, 2002-2003.

Michelle Smith, MS. *Three-Dimensional Scapular Kinematics in Shoulder Instability*, 2002-2003.

Jamie R. Birkelo, MS. *Effects of Prolonged Overhead Throwing on Three-Dimensional Scapulohumeral Rhythm in Baseball*

Pitchers, 2001-2002.

Lectureships, Seminar Invitations, and Visiting Professorships:

ArthroCare Lecture Series. Denver, CO; August 21, 2003.
"Management of Chronic Tendinopathy: The Role of Surgical Intervention".

Arthrex Bioskills Course. Raleigh, NC; August 9, 2003.
"Arthroscopic Repair of the Labrum and Rotator Cuff".

ArthroCare Lecture Series. Dallas, Texas; August 7, 2003.
"Management of Chronic Tendinopathy: The Role of Surgical Intervention".

UNC Department of Orthopaedics Bioskills Lab. Raleigh, NC; June 21, 2003.
"Arthroscopic Shoulder Reconstruction: Focus on Labral Repair".

Asklepion of Voula Department of Orthopaedics. Athens, Greece. November 22, 2003.
"Surgical Management of the Massive Rotator Cuff Tear: Repair, Reconstruction, and Arthroplasty".

University of Athens Department of Orthopaedics, KAT Hospital. Athens, Greece.
November 23, 2003. "Surgical Aspects of Anterior Shoulder Reconstruction".

Emory University Department of Orthopaedics Grand Rounds. Atlanta, GA; June 3, 2003.
"Contemporary Management of Massive Rotator Cuff Tears".

South Carolina-North Carolina Orthopaedic Society Combined Meeting. Charleston, SC;
September 7, 2003. "Effect of anabolic steroids on the biomechanical and matrix remodeling properties of human supraspinatus bioartificial tendons"

Continuing Medical Education Lecture Series, Chapel Hill NC, January 26, 2003
"Pain Management Algorithms in Outpatient Shoulder Surgery".

UNC Ambulatory Care Center In-service Lecture Series, Chapel Hill NC
January 8, 2003
"Surgical Techniques in the Shoulder"

Hawkins Shoulder Society Annual Meeting, Hilton Head, SC, May 16, 2003
"Effect of Anabolic Steroids on the Biomechanical and Matrix Remodeling Properties of Human Supraspinatus Bioartificial Tendons". .

Hawkins Shoulder Society Annual Meeting, Hilton Head, SC, May 16, 2003
"Prolonged overhead throwing alters scapular kinematics and scapular muscle strength".

Piedmont Orthopaedic Society Meeting, Sea Island, GA, May 10, 2003
"Nandrolone Decanoate and Load Increase Remodeling and Strength in Human Supraspinatus Bioartificial Tendons"..

North Carolina Orthopaedic Association Annual Meeting, Asheville, NC October 10, 2004
"Biomechanical Evaluation of Endobutton Distal Biceps Repair".

North Carolina Orthopaedic Association Annual Meeting, Asheville, NC October 10, 2004
"Early Results of Reverse Total Shoulder Arthroplasty: The University of North Carolina

Experience”.

Linvatec Residents and Fellows Course, Fort Meyers, FL. May 15, 2004
“The HAGL Lesion: An arthroscopic technique for repair of humeral avulsion of the glenohumeral ligaments”.

1st Annual International Symposium for the Treatment of Complex
Shoulder Problems. Tampa, FL; January 17, 2004. (Presenter)

Total Joint Arthroplasty Symposium, Bachelor Gulch, CO. January 6, 2005. “Reverse
shoulder arthroplasty”

University of South Florida Total Joint Arthroplasty Symposium. Bachelor Gulch, CO,
January 7-9, 2005 (Faculty).

University of Kentucky Orthopaedic Grand Rounds, Lexington, KY February 15, 2005
“The Rotator Cuff Deficient Shoulder: Current Concepts”

Emory University Department Musculoskeletal Course, Atlanta, Ga. April 16, 2005
“Diagnosis and Management of Shoulder Pathology: A Primer for Primary Care
Specialists”

Encore Medical Total Joint Arthroplasty symposium. Amelia Island, FL. June 3, 2005
“Reverse shoulder arthroplasty: indications, technique and outcomes”

Orthopaedic Learning Center, Rosemont, IL June 28, 2005. “Technical Issues in
Avoiding Complications During Reverse Shoulder Arthroplasty”

Brisbane Orthopaedic Clinic Research Symposium, Brisbane, QNL, Australia, July 27,
2005 “Orthopaedic Research: Three Minute Drill”

Royal North Shore Hospital, Sydney, NSW, Australia. July 26, 2005 “A Three
Dimensional Analysis of shoulder kinematics in patients with multidirectional shoulder
instability”

Philippine Orthopaedic Society for Sports Medicine Traveling Fellows Symposium,
Manilla, The Philippines, August 10, 2005 “Arthroscopic management of shoulder
instability”

City Wide Orthopaedic Grand Rounds, Auckland, New Zealand, August 4, 2005 “Surgical
management of large and massive rotator cuff tears”

University of Otago Medical School Grand Rounds, Christchurch, Canterbury, New
Zealand, August 3, 2005 “Current concepts in the arthroscopic management of shoulder
instability”

Brisbane Orthopaedic Grand Rounds, Brisbane, QNL, Australia, July 30, 2005
“Prolonged overhead throwing alters scapular kinematics and scapular muscle strength”

Healthstream Total Joint Arthroplasty Symposium. Laguna Niguel, CA, October 1, 2005
“Reverse shoulder arthroplasty for the management of rotator cuff arthropathy”

University of Utah Department of Orthopaedics, Salt Lake City, Ut, October 17, 2005.
“Reverse shoulder arthroplasty”

- Orthopaedic Learning Center. Rosemont, IL. October 24, 2005 AND December 9, 2005
"Technical Issues in Avoiding Complications During Reverse Shoulder Arthroplasty"
- Encore Total Joint Arthroplasty Symposium, Bachelor Gulch, CO, January 6, 2006
"Complications and complex issues in reverse shoulder arthroplasty"
- Encore Medical Western Region Training Symposium, Napa, CA. January 28, 2006
"Reverse total shoulder arthroplasty"
- Emory Healthcare Athlete's Shoulder Symposium, Atlanta, Ga March 3, 2006
"Anterior shoulder instability in the athlete"
"The Rotator cuff and biceps tendon"
"Shoulder Injuries in the throwing athlete"
- University of Kentucky Orthopaedic Grand Rounds, Lexington, KY February 15, 2006
"The Rotator Cuff Deficient Shoulder: Current Concepts"
- Encore Medical Central Region Training Symposium, Minneapolis, MN, February 25, 2006
"Reverse shoulder arthroplasty for the management of rotator cuff arthropathy"
- Cape Cod Hospital Orthopaedic Grand Rounds, Cape Cod, MA. February 22, 2006
"Reverse shoulder arthroplasty for the management of rotator cuff arthropathy"
- Orthopaedic Learning Center, Rosemont, IL. February 17, 2006 "Technical Issues in avoiding complications during reverse shoulder arthroplasty"
- Piedmont Orthopaedic Society Annual Meeting, May 10-14, 2006
"The Early US experience of reverse shoulder arthroplasty: indications, technique, and benefits"
"Latissimus Dorsi transfer for the management of irreparable rotator cuff tears"
"A three-dimensional analysis of scapular kinematics in patients with Multidirectional shoulder instability"
- Second annual Georgia Shoulder and Elbow Society Spring Meeting, Atlanta, GA March 24, 2007
"Managing bone defects in shoulder instability"
"Outcomes of arthroscopic instability reconstruction"
- American Academy of Orthopaedic Surgeons Learning Center, Rosemont, IL, June 29, 2007
"Pearls and avoiding pitfalls in reverse shoulder arthroplasty"
- Southern Orthopaedic Association Meeting, Eastern Orthopaedic Association Annual Combined Meeting, Victoria, British Columbia, August 4, 2007
"Torsional properties of five types of humeral stems" a biomechanical analysis of loosening and failure characteristics"
- Notre Dame Orthopaedic Society, South Bend, IN. August 30, 2007
"Reconstruction of massive rotator cuff tears: Transfer, graft or arthroplasty?"
- Encore Surgical Skills Symposium, Las Vega, NV, October 26, 2007
"Reverse shoulder arthroplasty: Avoiding complications"

American Academy of Orthopaedic Surgeons Combined Shoulder Course. Orthopaedic Learning Center, Rosemont, IL. January 19, 2008

“Pathophysiology of shoulder instability and normal anatomic variants”

Georgia Shoulder and Elbow Society Annual Meeting, Atlanta, GA April 19, 2008

“Acromioclavicular joint injuries: pathophysiology and management”

Advanced Shoulder Training Institute, Austin, TX May 12, 2008

“Advanced pathologies in reverse shoulder arthroplasty”

Donjoy Orthopaedic Surgical Reverse Shoulder Arthroplasty Seminar, Vista, CA, May 30, 2008

“Technique, pearls and pitfalls of reverse shoulder prosthetic replacement”

Southeastern Sports Medicine Conference, Carolton, GA July 26, 2008

“Ulnar Collateral Ligament Injuries: Diagnosis and Management”

Emory Orthopaedic Primary Care Symposium, Atlanta, GA April 26, 2008

“Shoulder injuries: diagnosis and management for the primary care physician”

Southeastern Sports Medicine Symposium, Atlanta, Georgia August 1-2, 2008

“Recent Advances in the management of Rotator Cuff Tears”

“Innovative Concepts for SLAP Lesions”

Surgical Reverse Shoulder Arthroplasty Series. Las Vegas, NV, September 12, 2008

“Technical Pearls in Reverse Shoulder Arthroplasty”

Notre Dame Orthopaedic Society, South Bend, Indiana, October 3, 2008

“Management of rotator cuff arthropathy: reverse should arthroplasty”

Eastern Orthopaedic Association Annual Meeting, June 18, 2009

“Scapulothoracic bursectomy and superomedial scapular border resection: Technique and results”

Eastern Orthopaedic Association Annual meeting, June 18, 2009

“Reconstruction of irreparable rotator cuff tears with human dermal allograft matrix”

Georgia Athletic Trainer’s Association Meeting, January 16, 2010

“Treatment algorithms for massive rotator cuff tear”

Southern Orthopaedic Association Meeting, June 17, 2010

“Characterization of medial row strain and load to failure in dual row rotator cuff repair”

“Effect of sagittal plane drilling angle on femoral tunnel length in ACL reconstruction (poster)”

“The allograft bridge procedure for irreparable rotator cuff tear”

Office Orthopaedics Update

Emory University School of Medicine

April 29-30, 2011

“Common shoulder problems”

Office Orthopaedics Update

Emory University School of Medicine

April 27, 2012

"Common shoulder problems"

Invitations to National or International Conferences:

International Symposium in Athletic Injuries: Prevention and Treatment. Larissa, Greece; November 29, 2003. "Rotator Interval Closure: Indications and Techniques". I

American Orthopaedic Society for Sports Medicine Annual Meeting. San Diego, CA; July 23, 2003. "Relevant Anatomy of the Rotator Cuff Interval".

49th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA; February 2-3, 2003.

"Anabolic steroid and load enhance matrix remodeling and biomechanical strength of bio-artificial tendons". Poster.

American Academy of Orthopaedic Surgeons 70th Annual Meeting. New Orleans, LA; February 5-9, 2003. Scientific Exhibit

"Electrothermal arthroscopic shoulder capsulorrhaphy: A minimum two-year follow-up".

American Orthopaedic Society for Sports Medicine Specialty Day. New Orleans, LA; February 8, 2003.

"Effects of prolonged overhead throwing on scapular kinematics: A Computerized, electromagnetic, three dimensional analysis".

Hellenic Association of Orthopaedic Surgery and Traumatology. Athens, Greece. October 16, 2003.

"Nandrolone Decanoate and Loading Enhance Intercellular Calcium Signaling in Human Supraspinatus Tendon Cells."

Hellenic Association of Orthopaedic Surgery and Traumatology. Athens, Greece. October 16, 2003.

"The Synergistic Effect of Anabolic Steroid and Load on the Matrix Remodeling and Biomechanical Properties of Bio-artificial Tendons."

American Orthopaedic Society for Sports Medicine 29th Annual Meeting, San Diego, CA, 2003. (Faculty)

70th Annual Meeting of the AAOS, New Orleans, LA. February 5-9, 2003. (Specialty Day Faculty and Presenter)

International Symposium on Ligaments and Tendons III. New Orleans, LA; February 1, 2003.

"A Biomechanical Analysis of Braided Soft Tissue Grafts" (Poster).

National Athletic Trainers' Association 54th Annual Meeting, St. Louis, MO; 2003.

"Prolonged overhead throwing alters scapular kinematics and scapular muscle strength".

American Orthopaedic Society for Sports Medicine Annual Meeting, San Diego, CA. July, 2003. Moderator- Shoulder Scientific Session.

American Orthopaedic Society for Sports Medicine Specialty Day; New Orleans, LA. February 8, 2003. Moderator- Elbow Scientific Session.

American College of Sports Medicine 50th Annual Meeting, San Francisco, CA; 2003.

"Reliability of scapulo-humeral rhythm during dynamic shoulder motion".

American Orthopaedic Society for Sports Medicine 29th Annual Meeting. San Diego, CA; July 20, 2003 "Thermal Microdebridement of Human Tendons: A Biomechanical Study" (Poster). Moderator – Shoulder Scientific Session

Arthroscopy Association of North America 22nd Annual Meeting. Phoenix, AZ; April 24-27, 2003. "Biomechanical Integrity of Human Tendons Treated with Thermal Microdebridement: An *Ex Vivo* Analysis". Poster.

49th Annual Meeting of the Orthopaedic Research Society. New Orleans, LA; February 2-3, 2003. "Cyclic tensile strain and anabolic steroid increase Connexin 43 expression and signaling in avian tendon cells". Poster.

International Symposium in Athletic Injuries: Prevention and treatment. Larissa, Greece: November 29, 2003 "The Role of Thermal Capsulorrhaphy in Multidirectional Instability".

Biomedical Engineering Society Annual Meeting. Philadelphia, PA; October 13-16, 2004. "Regulated MMP Production in Response to IL-1b in Tenocytes" (Poster).

Fourth Biennial AAOS/ASES Meeting. Monterey, CA; October 14, 2004.
"Anabolic Steroids Enhance the Remodeling and Mechanical Properties of Bioengineered Human Supraspinatus Tendons".

American Orthopaedic Society for Sports Medicine 29th Annual Meeting. Quebec City, Canada; June 24-27, 2004.
"A Three-Dimensional Analysis of Scapular Kinematics in Rotator Cuff Rehabilitation: A Comparison of 'Full Can' vs. 'Empty Can' Exercise Techniques" (Poster).

American Physical Therapy Association Combined Sections Meeting. Nashville, TN; February 4-8, 2004.
"Repeatability of Scapular Rotations for Three Planes of Humeral Elevation".

American Orthopaedic Society for Sports Medicine 30th Annual Meeting, Quebec City, Quebec, June 24-27, 2004 (Faculty)

American Academy of Orthopaedic Surgeons/ASES 4th Biennial Shoulder and Elbow Symposium Monterey, CA, October 14-17, 2004.(Presenter)

Arthroscopy Association of North America 23rd Annual Meeting. Orlando, FL, April 22-25, 2004.

71st Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA. March 10-14, 2004. (Specialty Day Faculty)

American Orthopaedic Society for Sports Medicine Annual Meeting, Quebec City, Canada, June 2005 Moderator- Rotator Cuff Scientific Session

American Orthopaedic Society for Sports Medicine Specialty Day; San Francisco, CA. March 13, 2004. Moderator- Shoulder Instability Scientific Session

9th International Congress on Surgery of the Shoulder. Washington, DC; May 2-5, 2004.
"Anabolic Steroids Enhance the Remodeling and Mechanical Properties of Bioengineered Human Supraspinatus Tendons".
"A Three-Dimensional Analysis of Scapular Kinematics in Rotator Cuff

Rehabilitation: A Comparison of 'Full Can' vs. 'Empty Can' Exercise Techniques".

1st Annual International Symposium for the Treatment of Complex Shoulder Problems. Tampa, FL; January 17, 2004.

"Optimizing Outcomes in Rotator Cuff Repair: The Role of Anabolic Agents"

American Orthopaedic Society for Sports Medicine Annual Meeting 2001-2005
Abstract reviewer

American Orthopaedic Society for Sports Medicine 30th Annual Meeting. Keystone, CO; July 15, 2005.

"A Three Dimensional Analysis of Shoulder Kinematics in Patients with Multidirectional Shoulder Instability".

American Orthopaedic Society for Sports Medicine 30th Annual Meeting. Keystone, CO; July 15, 2005.

"Gender Differences in Trunk and Hip Kinematics and Muscle Activation During a Cutting Task: A Comparison of Elite Soccer Athletes".

American Physical Therapy Association Combined Sections Meeting, 2005.

"Comparison of Serratus Anterior and Upper Trapezius Muscle Activation between Subjects With and Without Multidirectional Shoulder Instability"

Society of Skeletal Radiology 2005 Annual Meeting, Orlando, FL; March 14, 2005.

"Feasibility of MR virtual arthroscopy in demonstrating intra-articular pathology: Arthroscopic and imaging correlates".

72nd Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, DC. February 23-26, 2005. (Presenter and Media Briefing Faculty).

American Academy of Orthopaedic Surgeons 72nd Annual Meeting, Washington, DC; February 24, 2005.

"Gender Differences in Trunk Kinematics During a Cutting Task: An Evaluation of Elite Soccer Players".

American Academy of Orthopaedic Surgery Communications Committee Media Briefing. AAOS 72nd Annual Meeting, Washington, DC; February 24, 2005

"ACL Injuries and the Female Athlete: Prevention, Gender Differences and Reconstruction" ..

Australian Orthopaedic Association Sports Medicine Continuing Orthopaedic Education, Melbourne, Victoria, Australia, July 22, 2005.

"The Effects of anabolic steroids on the intra and intercellular properties of bioengineered supraspinatous tendons."

American Roentgen Ray Society Annual Meeting, Vancouver, Canada, April 30-May 5, 2006 "Total shoulder arthroplasty: normal and abnormal findings (Scientific exhibit)

73rd Annual American Academy of Orthopaedic Surgery Meeting
Chicago, IL March 22-26, 2006

"Latissimus Dorsi Transfer for the Management of Massive Rotator Cuff Tear"

Electronic Media Presentation

"Lateral Ankle Reconstruction for the management of ankle instability"

Electronic Media Presentation

European Society for Shoulder and Elbow Annual Meeting, Athens, Greece. September 20-24, 2006

“Biomechanical evaluation of endobutton distal biceps repair”

“Early US experience of reverse total shoulder arthroplasty”

“Prolonged overhead throwing alters scapular kinematics and scapular muscle strength”

“A 3-dimensional analysis of scapular kinematics in patients with multidirectional instability”

75th Annual Meeting of the American Academy of Orthopaedic Surgeons Las Vegas, NV, February 25-28, 2008

“Scapulothoracic Bursectomy and Superomedial Scapular Border Resection (Electronic Media Presentation)”

Argentine Association for Orthopaedics and Traumatology Annual Meeting, Dec 2, 2009

“Allograft reconstruction of irreparable rotator cuff tears with allograft human dermal matrix”

Other Activities:

University of North Carolina Athletic Trainers Course. Chapel Hill, NC, February 7, 2004.

“Managing Knee Arthritis in the Active Patient: Alternatives to Arthroplasty”

Interurban Orthopaedic Society Annual Meeting. Chapel Hill, NC; October 1, 2004.

“Reverse Shoulder Prosthetic Replacement: Indications, Technique, and Early Outcomes”.

American Orthopaedic Society for Sports Medicine Young Sports Medicine Specialist’s Workshop. Quebec City, Canada; June 24, 2004.

“Meeting Today’s Challenges in a Sports Medicine Practice”.

Encore Orthopaedics Reverse Shoulder Prosthesis Study Group. Tampa, FL, January 14, 2004. “Glenoid bone Impingement as a cause of Glenosphere Dissociation in Reverse Shoulder Arthroplasty- A Case Report”.

ArthroCare Lecture Series. Ft. Meyers, FL; April 1, 2004.

“Management of Chronic Tendinopathy: The Role of Surgical Intervention”.

Mid Atlantic Athletic Trainers Association Annual Meeting. Virginia Beach, VA, May 22, 2004.

“Diagnosis and Management of Shoulder Pathology in the Overhead Athlete”.

Eastern Orthopaedic Association Annual Meeting, Chesapeake, VA, October 8, 2005 “Reverse shoulder prosthesis for the management of rotator cuff arthropathy (poster)”

“Gender differences in trunk and hip kinematics during a cutting task: a comparison of elite soccer athletes (poster)”

H & H Medical Surgical Skills Course, Silverado Hotel, Napa, CA, January 28,

Reverse shoulder arthroplasty

Maine Orthopaedic Society Annual Meeting, Sugarloaf, ME, February 11, 2006
"The early US experience of reverse total shoulder arthroplasty"

Iowa Orthopaedic Society Spring Meeting, Des Moines, Iowa, April 28, 2006
"Reverse total shoulder arthroplasty – indications, technique and outcome"

Orthopaedic Education Summit, Bachelor Gulch, Go, January 6, 2007
"Glenoid resurfacing in total shoulder arthroplasty"

Southeastern Conference Shoulder Symposium, Atlanta, Georgia, March 9, 2007
"Management of multidirectional instability in the athlete"

Second Annual Georgia Shoulder and Elbow Society Meeting. Atlanta, GA
"Outcomes of Arthroscopic Instability Reconstruction"
"Bone Deficiencies in Shoulder Instability"
March 24, 2007

Conmed Linvatec Sales Force Training. "Arthroscopic skills for the sales Representative" Largo, Florida, April 15, 2007

Big Peach Running Store lecture, Atlanta, Georgia, June 21, 2007
"Training and injury avoidance for the Peachtree Road Race"

Orthopaedic Education Summit, Park City, UT, January 5, 2008
"Glenoid resurfacing in total shoulder arthroplasty"

Office Orthopaedics, Sports Medicine and Spine Problems
Emory University School of Medicine
April 25- 26, 2008
"Diagnosis of common shoulder problems"
"How to examine the upper extremity"

Course Director
Southeastern Sports Medicine Symposium
Emory University Hotel and Conference Center, Atlanta, GA August 1-2, 2008

Course Director
Contemporary Concepts in Shoulder Arthroplasty
Atlanta, GA May 6, 2008

Course Director
Emory Sports Medicine Symposium: An Interactive Approach
Buckhead Grand Hyatt Hotel, Atlanta, GA
March 20-21, 2009

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