

**KEVIN A. CARNEIRO, D.O.**

**kevin\_carneiro@med.unc.edu**

**WORK**

UNC Physical Medicine and Rehabilitation, CB 7200, Room N1181 Memorial Hospital, 101 Manning Drive, Chapel Hill, NC 27599-7200

**BOARD CERTIFICATIONS**

American Academy of Physical Medicine & Rehabilitation  
Sports Medicine

**EDUCATION**

Philadelphia College of Osteopathic Medicine  
Doctor of Osteopathic Medicine  
August 2001- June 2005  
Philadelphia, PA

University of Toronto  
Honors Bachelor of Science in Human Biology  
September 1995-June 1999  
Toronto, ON Canada

**POSTGRADUATE TRAINING**

Fellowship in Sports and Spine Rehabilitation  
Rehabilitation Institute of Chicago  
Department of Physical Medicine and Rehabilitation  
Northwestern University Feinberg School of Medicine  
June 2009-June 2010  
Chicago, IL

Internship & Residency, Physical Medicine  
and Rehabilitation  
Chicago, IL  
July 2005-June 2009  
Rehabilitation Institute of Chicago  
Department of Physical Medicine and Rehabilitation  
Northwestern University Feinberg School of Medicine

**ACADEMIC APPOINTMENTS**

Assistant Professor  
University of North Carolina  
Department of Physical Medicine and Rehabilitation,  
Joint Appointment in Department of Neurosurgery  
Affiliate Faculty  
NC State/University of North Carolina  
Rehabilitation Engineering  
August 2010-present  
April 2012-present

Clinical Instructor, Chief Resident  
Northwestern University Feinberg School of Medicine  
Department of Physical Medicine and Rehabilitation  
July 2008-June 2009

Assistant Chief Resident  
Northwestern University Feinberg School of Medicine  
Department of Physical Medicine and Rehabilitation  
January 2008-July 2008

### **CLINICAL**

Medical Director UNC Spine Center  
*Direct a comprehensive multidisciplinary spine center with faculty members from Neurosurgery, Orthopedics and Physical Medicine and Rehabilitation*  
November 2014-present

Medical Director Brain and Body Clinic for Retired NFL Players  
*Medical director for a multidisciplinary program seeing recently retired former NFL players. Work closely with the NFLPA*  
November 2014-present

Gfeller Sports Concussion Clinic  
*Comprehensive clinic for athletes with prolonged concussion symptoms or postconcussive syndrome*  
June 2013-present

### **HONORS**

Dr. Scholl's Research Award (June 2009, June 2010)  
Walter E. Heller Chief Resident (2008-2009)  
Meyer S. Gunther Award, RIC (2007-2008)  
Sigma Sigma Phi Osteopathic Honors Fraternity (2003-Present)

### **BIBLIOGRAPHY**

#### Book Chapters

Carneiro K. Facial nerve and blink reflex study. In: Visco CJ, Chimes GP, eds. *McLean Course in Electrodiagnostics*. Demos Medical; 2010.

**Carneiro K**, Lento P. Adhesive capsulitis. In: Micheo W, ed. *Common Problems in Rehabilitation Medicine: Musculoskeletal, Sports, and Occupational Medicine*. Demos Medical; 2010.

Research Publications, peer-reviewed reviews

Carneiro K, Rittenberg J. Exercise for low back pain. *Physical Medicine and Rehabilitation Clinics of North America*. November 2010.

Gaught A, Carneiro K. Evidence for exercise in osteoarthritis. *Physician and Sports Medicine*. February 2013

James L, Carneiro K. Abnormal uterine bleeding in a postmenopausal woman after an intra-articular knee injection with triamcinolone. *PMR*, January 2014

Mihalik JP, Lynall RC, Teel EF, & Carneiro KA. (2014). Clinical implications of concussion management in soccer. *Journal of Sport and Health Science*. (In Review)

Abstracts

Plastaras C, McCormick Z, Nguyen C, Rho M, Nack SH, Roth D, Casey E, Carneiro K, Cucchiara A, Lee J, Press J, McClean J. “Hip Abductor Strength in Pre-Clinical Patellofemoral Pain Syndrome”. *Journal of PM&R*, 2011 vol:3 iss:10 pg:S257.

Plastaras CT, Casey E, Carneiro K: “Knee Injury-Cycling” - Vertical knee tibial plateau fracture – Cycling: A case report. *Medicine and Science in Sports and Exercise*, Volume 41:5 Supplement, 2009

**RECURRENT TEACHING**

UNC Spine Center Lectures May 2013-  
Weekly teaching with sports fellows, residents and medical students

UNC Anatomy/Kinesiology/Radiology Series Director January 2012-June 2012  
Presented and supervised weekly lectures to residents and medical students

UNC MSK Lecture Module Director and Presenter March 2012-June 2012  
Presented 16 lectures to residents and medical students

UNC MSK Lecture Module Director and Presenter October 2010-December 2010  
Presented 16 lectures to residents and medical students

RIC Sports and Spine Weekly Lecture Series July 2009-June 2010  
Weekly teaching as well as monthly kinesiology presentations

Cadaveric Anatomy July 2009-June 2010  
Weekly dissections and teaching with residents

Sports and Spine Journal Club  
Weekly journal club presentations

July 2009-June 2010

Musculoskeletal Examination  
Weekly teaching to Northwestern Medical Students

July 2009-June 2010

### **INTRAMURAL PRESENTATIONS**

UNC Spine Center Case Presentations

June 2012-present

RIC Resident Journal Club and Board Review  
Twice yearly presentations

July 2006-June 2009

Chairman's Rounds  
Presented topics such as Osteoporosis, Cardiac Rehabilitation, Hereditary Sensory Neuropathies, Hypothyroidism, Burn Rehabilitation and Exercise Physiology

July 2006-June 2009

"Return to Play Guidelines"  
RIC Sports and Spine Lecture Series

October 2008

"Cervical Disk Herniation and Radiculopathy"  
RIC Sports and Spine Lecture Series

November 2007

"Knee Kinesiology, Pathology and Physical Examination"  
RIC Sports and Spine Lecture Series

August 2006

### **PRESENTATIONS AT NATIONAL MEETINGS**

Prolonged Concussive Syndrome  
Platform Presentation  
Teamwork: Management of Concussion in Youth Athletes  
Asheville, NC

March 2014

Biomechanical Risk Factors for Tendinopathies  
Platform Presentation  
American Academy of Physical Medicine and Rehabilitation 72nd Annual Assembly  
Orlando, Fl

November 2012

Hip Pain in Collegiate Tennis Player  
Oral Case Presentation  
American College of Sports Medicine Annual Meeting  
Denver, CO

May 2011

Avascular Necrosis in a Walker  
Oral Case Presentation

May 2009

American College of Sports Medicine Annual Meeting  
Seattle, WA

“The Application of Physiatric Principles in Postpartum Pubic  
Diastasis: A Case Report.” September 2007

Poster Presentation

American Academy of Physical Medicine and Rehabilitation 68th Annual Assembly  
Boston, MA

### **INVITED PRESENTATIONS**

Management of Sports Concussions April 2014  
Rex Rehab  
Raleigh, NC

Sports Concussions May 2013  
UNC Neurologic Rehabilitation Series  
Chapel Hill, NC

Spine Care in the Collegiate Athlete May 2013  
UNC Sports Medicine  
Chapel Hill, NC

Musculoskeletal Care in Spinal Cord Injuries November 2012  
Spinal Cord Symposium  
University of North Carolina  
Chapel Hill, NC

Low back pain in the Collegiate Athlete May 2012  
UNC Sports Medicine  
Chapel Hill, NC

Shoulder Pain in Spinal Cord Injuries November 2011  
Spinal Cord Symposium  
University of North Carolina  
Chapel Hill, NC

Spine Care for the Neurologist December 2011  
Neurology Lecture Series  
University of North Carolina  
Chapel Hill, NC

Musculoskeletal Injuries in the Workplace  
Cisco Systems  
Research Triangle Park, NC  
January 2011

CAM Treatments in Low Back Pain  
Rehabilitation Institute of Chicago Grand Rounds  
Chicago, IL  
May 2010

Physiatric Approach to Low Back Pain  
Grand Rounds University of North Carolina, Dept PM&R  
Chapel Hill, NC  
January 2010

“Conservative Treatment of Low Back Pain”  
Sixth Annual Neuroscience Nursing Symposium:  
Patient Care Partnerships: Collaboration in the Neuroscience Setting  
Northwestern Memorial Hospital  
Chicago, IL  
August 2009

## **CURRENT RESEARCH**

“Chronic Lumbosacral Radiculopathy: Impact of an Analgesic Dietary Intervention on Pain & Function”  
Obtained IRB, Data Collection Phase  
Principal Investigator: Kevin Carneiro, D.O.  
Study Funded by North American Spine Society (\$100,000) and Mayday Foundation (\$80,000)

““Better Back Care: A Comprehensive Strategy for Improving Function and Outcomes While Reducing Overutilization and Costs””  
Obtained IRB, Data Collection Phase  
Principal Investigator: Kevin Carneiro, D.O., Dr. Deb Bhowmick, M.D., Dr. Amy Shaheen, M.D.  
Study Funded by CMMI Innovation Award, \$6million

“The association between traumatic brain injury and increased rates of musculoskeletal injury “  
Obtained IRB, Data Collection Phase  
Principal Investigator: Robert Lynell  
Unfunded

## **PROFESSIONAL AFFILIATIONS**

Diplomate of the American Academy of Physical Medicine & Rehabilitation (AAPMR)  
American College of Sports Medicine

## **PROFESSIONAL MEETINGS AND COURSES ATTENDED**

American Academy of Physical Medicine and Rehabilitation 74th Annual Assembly Washington, DC	October 2013
Matthew Gfeller Sport-Related Neurotrauma Symposium University of North Carolina, Chapel Hill	March 2013
American Academy of Physical Medicine and Rehabilitation 73rd Annual Assembly Atlanta, GA	October 2012
Engineering a World Class Rehabilitation Center Symposium Research Triangle Park, NC	April 2012
American Academy of Physical Medicine and Rehabilitation 72nd Annual Assembly Orlando, FL	November 2011
Rehabilitation of the Athletic Hip Wesley M. and Suzanne S. Dixon Education and Training Center Rehabilitation Institute of Chicago Chicago, IL	April 2010
American Academy of Physical Medicine and Rehabilitation 70th Annual Assembly Austin, TX	October 2009
International Spine Intervention Society Phase 1 Lumbar Procedures Chicago, IL	August 2009
Aging Spine Course Wesley M. and Suzanne S. Dixon Education and Training Center Rehabilitation Institute of Chicago Chicago, IL	July 2009
Dynamic Neuromuscular Stabilization Pavel Kolar PhD Wesley M. and Suzanne S. Dixon Education and Training Center – RIC Chicago, IL	June 2009

American College of Sports Medicine Annual Meeting Seattle, WA	May 2008
American Academy of Physical Medicine and Rehabilitation 69th Annual Assembly San Diego, CA	September 2008
3rd Annual Conference on Pain Wesley M. and Suzanne S. Dixon Education and Training Center Rehabilitation Institute of Chicago Chicago, IL	July 2008
American College of Sports Medicine Annual Meeting Indianapolis, IN	May 2008
James McLean Spinal Injection Training Course Sports and Spine Rehabilitation Center – RIC Chicago, IL	May 2008
American Academy of Physical Medicine and Rehabilitation 68th Annual Assembly Boston, MA	September 2007
Sports and Spine Symposium Wesley M. and Suzanne S. Dixon Education and Training Center Rehabilitation Institute of Chicago Chicago, IL	March 2007
Pelvic Floor Rehabilitation Wesley M. and Suzanne S. Dixon Education and Training Center Rehabilitation Institute of Chicago Chicago, IL	July 2006
Osteopathy in the Cranial Field – Level 1 Philadelphia, PA	2002 & 2004

### **HOSPITAL COMMITTEES**

UNC Spine Center Executive Staff Committee (October 2010-present)  
 UNC PM&R Education Committee (August 2010-present)  
 UNC PM&R Medical Staff Committee (August 2010-present)  
 RIC Medical Education Committee (June 2008-June 2009)  
 RIC Medical Staff Committee (January 2008-June 2009)



RIC Executive Medical Staff Committee (January 2008-June 2009)  
RIC Risk Management Committee (January 2008-June 2009)  
RIC Life Center committee, member (July 2006-June 2009)  
RIC Medical Care Committee, member (July 2005-June 2009)

## **CERTIFICATION AND LICENSURE**

Permanent North Carolina State Medical Licence  
Permanent Illinois State Medical Licence  
Pediatric Advanced Life Support (PALS)  
Advanced Cardiac Life Support (ACLS)  
Basic Life Support (BLS)  
Passed COMLEX Level 1, 2(PE/CE), 3

## **CIVIC ACTIVITIES**

Skyrise Challenge-Willis Tower Medical Coverage Chicago, IL	November 2009
Frank Lloyd Wright Race Medical Coverage Chicago, IL	October 2009
Operation Walk India Joint replacements and rehabilitation for disadvantaged patients Pune, India	January 2009
Chicago Public Schools Pre-participation physical examinations for high school athletes Chicago, IL	August 2007 & 2008
Ravinia Center for the Performing Arts Medical coverage for performers including John Legend, India Arie, Sheryl Crow and the Five Browns Highland Park, IL	Summer 2006-2010
Accenture Chicago Marathon Medical Coverage Chicago, IL	October 2007