Engineering Neuroscience & Health

Department of Biomedical Engineering Division of Biokinesiology and Physical Therapy

ENH SEMINAR SERIES

Presents:

Dr. Christopher Powers

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Monday

April 27, 2009

4:00 p.m.

Refreshments will be served 3—4 pm

Mechanisms of Patellofemoral Joint Dysfunction: What have we learned over the last 15 years?

Christopher Powers, Ph.D., PT, Associate Professor
Co-Director, Musculoskeletal Biomechanics Research Laboratory
Division of Biokinesiology and Physical Therapy
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Patellofemoral pain is the most common lower extremity condition seen in orthopaedic practice. Despite its high prevalence however, treatment approaches remain highly variable and often lack scientific backing. One reason for the lack of consistency in managing patellofemoral joint problems is related to the fact that the pathomechanics of this disorder remain poorly understood. Over the past 15 years, our group has taken a multidisciplinary approach to better understand the root cause(s) of patellofemoral dysfunction. The purpose of this seminar is to highlight recent research in the areas of in-vitro testing, biomechanical evaluation, dynamic imaging, and computational modeling that has lead to a better understanding of this multifaceted clinical problem.

Locations:

Seminar is simultaneously presented

HSC: CHP 147— LIVE

Center for the Health Professional

HSC Campus Map/Directions:
http://www.usc.edu/about/visit/hsc/

UPC: HNB 100 – Video Conference

Hedco Neurosciences Building

UPC Campus Map/Directions:
http://www.usc.edu/about/visit/upc/

Organized by Professor Francisco Valero-Cuevas http://bme.usc.edu/valero/

Web Cast

http://capture.usc.edu/college/Catalog/?cid=af180d48-ceff-42b9-a35c-eb199daed320

Information about all seminars can be found at
http://www-clmc.usc.edu/~heiko/ENH