Janice Loudon

Associate Professor

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EDUCATION

- Ph.D., emphasis in Biomechanics, Program in Movement Science, Washington University, St. Louis, MO, 1993.
- M.S., Exercise Physiology, University of Kansas, Lawrence, KS, 1984.
- B.S., Physical Therapy, University of Kansas Medical Center, Kansas City, KS, 1982.

ACADEMIC / CLINICAL APPOINTMENTS

- University of Kansas Medical Center, Kansas City, KS.
    - Assistant Professor, Department of Physical Therapy and Rehabilitation Sciences.
    - Sports Medicine Institute.
    - Kirmayer Fitness Center.

TEACHING RESPONSIBILITIES

- PTRS 711 - Applied Kinesiology and Biomechanics
- PTRS 745 - Musculoskeletal Physical Therapy I
- PTRS 832 - Health Promotion Through the Life Span

RESEARCH INTERESTS

Pathomechanics related to injury in the ahtlete.

RECENT PUBLICATIONS

- **Loudon, J.K.**, (2003) guest editor, Preventative Sports Medicine. *J Orthop Sports Phys Ther 33(10):556.*

- **Loudon, J.K.**, Wiesner, D., Goist-Foley, H.L., Asjes, C., Loudon, K.L. (2002) Intrarater reliability of functional performance tests for subjects with patellofemoral pain syndrome. *J Athletic Train 37(3): 256-261.*
- **Loudon, J.K.**, Bode, J., Diehl, N., Green, L. (2002) Anatomical outliers may predispose runners to injury. *Biomechanics 6: 55-66.*
- **Loudon, J.K.** (2000). Lateral Epicondylitis. *Physical Therapy Case Reports, 3(4), 163-170.*
- **Loudon, J.K.** (2000). Five tests quantify patellofemoral function. *Biomechanics, 7(6), 51-56.*
- **Loudon, J.K.** (2000). Reliability of two videographic methods to obtain knee PICR in healthy human adults. *Clin Kines, 54, 4-12.*
- **Loudon, J.K.** (2000). Measurement of Knee-Joint-Postition Sense in Women with Genu Recurvatum. *J Sport Rehab, 9, 15-25.*
- **Loudon, J.K.** (1999). Case report: Manual therapy management of hip osteoarthritis. *The Journal of Manual & Manipulative Therapy, 7, 203-208.*
- **Loudon, J.K.** (1998). Structure and function of knee ligaments. *Japans Journal of Physical Therapy, 15, 951-963.*
- **Loudon, J.K.**, Cagle, P.E., Figoni, S.F., Nau, K.L., Klein, M. (1998). A Submaximal All-Extremity Exercise Test to Predict Maximal Oxygen Consumption. *Med Sci Sports Exer, 30, 1299-1303.*
- Jenkins, W.L., Munns, S.W., **Loudon, J.** (1998). Knee Joint Accessory Motion Following Anterior Cruciate Ligament Allograft Reconstruction: A Preliminary Report. *J Orthopaedic and Sports Physical Therapy, 28, 32-38.*
- **Loudon, J.K.**, Goist, H.L., Loudon, K.L. (1998). Genu Recurvatum Syndrome. *J. Orthopaedic and Sports Physical Therapy, 27, 361-367.*
- **Loudon, J.K.**, Bell, S.L., Johnstone, J.M. (Eds.). (1998) *The Clinical Orthopedic Assessment Guide. Champaign, IL: Human Kinetics.*

RECENT GRANTS

- Wilson SE, Barlow SM, Ewing MS, **Loudon JK.** (2003) Vibration, Proprioception, and Low Back Stability. $70,355, NIH, HHS-NIOSH
- Wilson S, **Loudon J**, Swift M. (2003) Lumbar Spine Proprioception and Low Back Stability. $239,700 over 3 years, Whitaker Foundation.
- **Loudon JK**, Wiesner D. (1997) Functional testing for patellofemoral dysfunction. $1100, Sports Physical Therapy Section, APTA.

RECENT PROFESSIONAL & SCIENTIFIC PRESENTATIONS

- “The Young Athlete’s Knee” Children’s Mercy Hospital, Kansas City, MO, Fall, 2003
- "Current Concepts in Examination and Treatment of the Knee Joint” Health Midwest, Overland Park, KS, Summer, 2003
- “Therapeutic Exercise for the Manual Therapist” Kaiser Permanente Orthopedic Manual Therapy Residency, Hayward, CA,Spring, 2003
- “Biomechanics of the Shoulder Complex” Missouri Medical Association Meeting, Kansas City, MO, Spring, 2003
- “Current Concepts in Examination and Treatment of the Shoulder Joint” Providence Medical Center, Kansas City, KS, Fall, 2001
- “Current Concept in Examination and Treatment of the Foot and Ankle” University of Kansas Medical Center, Kansas City, KS, Summer, 2001
- “Therapeutic Exercise, focus on Female Athlete and Young Athlete” Kaiser Permanente, Hayward, CA, Summer, 2001
- "Update on Evaluation and Treatment of Knee Injuries", Missouri Physical Therapy Association Fall Meeting, Kansas City, MO, Fall 2000.
- "Assessment and Management of Lumbar Spine Dysfunction in Athletics", Cramer Products, San Jose, CA, Spring 2000.

PROFESSIONAL CERTIFICATIONS & LICENSES

- Physical Therapist: Missouri.
- Physical Therapist: Kansas.
- Licensed Athletic Trainer: Missouri.
- Licensed Athletic Trainer: Kansas.
- Certified manual therapist, Level 1, Ola Grimsby Institute
- Sports Certified Specialist, American Physical Therapy Association
- Mentorship,Kaiser Hayward PT Residency in Advanced Orthopedic Manual Therapy, January, 2002

RECENT HONORS & AWARDS

- 2003 Kansas Physical Therapy Association, Award for Academic Excellence
- Journal of Athletic Training, Clint Thompson Award for the Outstanding Nonresearch Manuscript; "The foot and ankle: an overview of arthrokinematics and selected joint techniques.", 1997.

PROFESSIONAL & SCIENTIFIC MEMBERSHIPS

- American Physical Therapy Association, member
- American Physical Therapy Association, Sports Section
- American Physical Therapy Association, Orthopedic Section
- National Athletic Trainers Association
- American College of Sports Medicine