Original Research

Clinical Studies

Increased QT Interval Variability in 3 Recently Concussed Athletes: An Exploratory Observation
Michael F. La Fountaine, EdD, ATC; James D. Gossett, MS, ATC; Ronald E. De Meersman, PhD; William A. Bauman, MD .......................................................... 230

Persistent Motor System Abnormalities in Formerly Concussed Athletes
Louis De Beaumont, PhD; David Mongeon, BSc; Sébastien Tremblay, BSc; Julie Messier, PhD; François Prince, PhD; Suzanne Leclerc, MD, PhD; Maryse Lassonde, PhD; Hugo Théoret, PhD .......................................................... 234

Intrarater Reliability of the Adductor Squeeze Test in Gaelic Games Athletes
Eamonn Delahunt, BSc, PhD; Barry L. McEntee, BSc; Colm Kennelly, BSc; Brian S. Green, PT, ATC; Garrett F. Coughlan, BSc, PhD ............................................................................. 241

A Preliminary Multifactorial Approach Describing the Relationships Among Lower Extremity Alignment, Hip Muscle Activation, and Lower Extremity Joint Excursion
Anh-Dung Nguyen, PhD, ATC; Sandra J. Shultz, PhD, ATC, FNATA, FACSM; Randy J. Schmitz, PhD, ATC; Richard M. Luecht, PhD; David H. Perrin, PhD, ATC, FACSM .......................................................... 246

Differential Ability of Selected Postural-Control Measures in the Prediction of Chronic Ankle Instability Status
Danielle Knapp, MS, ATC; Sae Yong Lee, PhD, ATC; Lisa Chinn, MS, ATC; Susan A. Saliba, PhD, PT, ATC; Jay Hertel, PhD, ATC, FNATA, FACSM .......................................................... 257

Motor-Neuron Pool Excitability of the Lower Leg Muscles After Acute Lateral Ankle Sprain
Lindsey W. Klykken, MEd, ATC; Brian G. Pietrosimone, PhD, ATC; Kyung-Min Kim, MS, ATC; Christopher D. Ingersoll, BSc, PhD, ATC, FNATA, FACSM; Jay Hertel, PhD, ATC, FNATA, FACSM .......................................................... 263

Microdialysis and Delivery of Iontophoresis-Driven Lidocaine Into the Human Gastrocnemius Muscle
Mark Coglianese, MPT; David O. Draper, EdD, ATC, FNATA; Joseph Shurtz, BS, ATC, LAT; Gary Mark, PhD ............................................................................. 270

Absorption of Iontophoresis-Driven 2% Lidocaine with Epinephrine in the Tissues at 5 mm Below the Surface of the Skin
David O. Draper, EdD, ATC, FNATA; Mark Coglianese, MPT; Chris Castel, PhD ............................................................................. 277

Observational Studies

Special Section: Baseball Pitchers’ Performance After Shoulder Injuries

A Profile of Glenohumeral Internal and External Rotation Motion in the Uninjured High School Baseball Pitcher, Part I: Motion
Wendy J. Hurd, PhD, PT, SCS; Kevin M. Kaplan, MD; Neal S. ElAttrache, MD; Frank W. Jobe, MD; Bernard F. Morrey, PhD, MD; Kenton R. Kaufman, PhD, PE .......................................................... 282

A Profile of Glenohumeral Internal and External Rotation Motion in the Uninjured High School Baseball Pitcher, Part II: Strength
Wendy J. Hurd, PhD, PT, SCS; Kevin M. Kaplan, MD; Neal S. ElAttrache, MD; Frank W. Jobe, MD; Bernard F. Morrey, PhD, MD; Kenton R. Kaufman, PhD, PE .......................................................... 289

Performance After Rotator Cuff Tear and Operative Treatment: A Case-Control Study of Major League Baseball Pitchers
Surena Namdari, MD, MMSc; Keith Baldwin, MD, MPH, MSPT; Albert Ahn, MD; G. Russell Huffman, MD, MPH; Brian J. Sennett, MD ............................................................................. 296

Perceptions of Clinical Athletic Trainers on the Spiritual Care of Injured Athletes
Cynthia M. McKnight, PhD, ATC; Stephanie Juillerat, PhD ............................................................................. 303

National Collegiate Athletic Association Division and Primary Job Title of Athletic Trainers and Their Job Satisfaction or Intention to Leave Athletic Training
Aaron B. Terranova, EdD, LAT, ATC; Jolene M. Henning, EdD, LAT, ATC ............................................................................. 312