JOURNAL OF ATHLETIC TRAINING

Official Publication of the National Athletic Trainers' Association, Inc **Volume 39, Number 2, April–June 2004**

Original Research

Clinical Studies

Human Tissue-Temperature Rise During Ultrasound Treatments With the Aquaflex Gel Pad
Sunnee Bishop; David O. Draper; Kenneth L. Knight; J. Brent Feland; Dennis Eggett 126

Influence of Pre-Exercise Muscle Temperature on Responses to Eccentric Exercise
Kazunori Nosaka; Kei Sakamoto; Mike Newton; Paul Sacco 132

Comparison of Cervical Spine Motion During Application Among 4 Rigid Immobilization Collars
Colleen Y. James; Bryan L. Riemann; Barry A. Munkasy; A. Barry Joyner 138

Collegiate Football Players Display More Active Cervical Spine Mobility Than High School Football Players
John Nyland; Darren Johnson 146

Effectiveness of Glenohumeral-Joint Stability Braces in Limiting Active and Passive Shoulder Range of Motion in Collegiate Football Players
Keon Weise; Michael R. Sitler; Ryan Tierney; Kathleen A. Swanik 151

Performance on the Balance Error Scoring System Decreases After Fatigue
Joseph C. Wilkins; Tamara C. Valovich McLeod; David H. Perrin; Bruce M. Gansneder 156

Body-Weight Fluctuation in Collegiate Wrestlers: Implications of the National Collegiate Athletic Association Weight-Certification Program
Jack Ransone; Brian Hughes 162

Commentary
Danny T. Foster 165

Authors' Response 167

Influence of a Pre-Exercise Glycerol Hydration Beverage on Performance and Physiologic Function During Mountain-Bike Races in the Heat
Jonathan E. Wingo; Douglas J. Casa; Erik M. Berger; William O. Dellis; J. Chad Knight; Joseph M. McClung 169

Observational Studies

Effects of Clinical Field-Experience Setting on Athletic Training Students' Perceived Percentage of Time Spent on Active Learning
David C. Berry; Michael G. Miller; Leisha M. Berry 176

Athletic Training Education Program Directors' Perceptions on Job Selection, Satisfaction, and Attrition
Michael R. Judd; Sally A. Perkins 185

The Stress and Coping Responses of Certified Graduate Athletic Training Students
Sarah Reed; Peter R. Giacobbi Jr 193

Case Reports

Splenic Artery Avulsion in a High School Football Player: A Case Report
David J. Ralston; Michael J. Scherm 201

Contents Continued

Departments

Editorial 125
Call for Abstracts 122
2003 JAT Manuscript Award Winners 121
CEU Quiz Notice 121
26th Annual Student Writing Contest Notice 121
Authors' Guide 206
Advertisers' Index 208