

## PUBLICATIONS SUMMER 2008

Chiviakowsky, S., Wulf, G., Laroque de Medeiros, F., Kaefer, A., & Wally, R. (2008). Self-controlled feedback in children: Higher feedback frequencies enhance learning. *Research Quarterly for Exercise and Sport* 79, 122-127.

Dragojevic, I., Gregorich, K.E., Düllmann, Ch.E., Garcia, M.A., Gates, J.M., Nelson, S.L., Stavsetra, L., Sudowe, R., Nitsche, H. (2008). The influence of projectile neutron number in the  $^{208}\text{Pb}(^{48}\text{Ti}, n)^{255}\text{Rf}$  and  $^{208}\text{Pb}(^{50}\text{Ti}, n)^{257}\text{Rf}$  reactions/, *Physical Review C* 78, 024605.

Dufek, J.S., Mercer, J.A., Teramoto, K., Mangus, B.C., & Freedman, J.A. (2008). Impact attenuation and variability during running in females: A lifespan investigation. *Journal of Sport Rehabilitation*, 17, 1-13.

Ganschow RL, Miller MG, Holcomb WR, Cheatham CC, Michael TJ, Rubley MD. The Effects of Subcutaneous Tissue Thickness on Peak Torque and Intensity Output of Neuromuscular Electrical Stimulation. *Journal of Sport Rehabilitation*. 2008;16(1): 68-75

Peden-Adams, M.M., EuDaly, J.G., Miller, J., Keil, D.E. & Gilkeson, G.S. 2008. Lifetime exposure to trichloroethylene does not accelerate autoimmune disease in MRL +/+ mice. *Journal of Environmental Science and Health, Part A*, 43:1402–1409

Peden-Adams, M.M., Keller, J.M., EuDaly, J.G., Berger, J., Gilkeson, G.S., and Keil, D.E. 2008. Suppression of humoral immunity following exposure to perfluorooctane sulfonate (PFOS). *Toxicological Sciences*, 104:144-154

Keil, D.E., Mehlmann, T., Butterworth, L. and Peden-Adams, M.M. 2008. Gestational Exposure to PFOS Suppresses Immunological Function in F1 Mice. *Toxicological Sciences*, 103:77-85.

Maas, E., Robin, D.A., Austermann Hula, S.N., Freedman, S.E., Wulf, G., Ballard, K.J., & Schmidt, R.A. (2008). Principles of motor learning in treatment of motor speech disorders. *American Journal of Speech-Language Pathology*, 17, 277-298.

Masumoto, K., & Mercer, J.A. (2008). Biomechanics of human locomotion in water: An electromyography analysis. *Exercise and Sport Sciences Reviews*, 36(3), 160-169.

Miller MG, Ganschow RL, Holcomb WR, Cheatham CC, Michael TJ, Rubley MD. (2008). Subcutaneous Tissue Thickness Alters the Effect of NMES. *Journal of Sport Rehabilitation* 17:68-75.

Nelson, S.L., Folden III, C.M., Gregorich, K.E., Dragojevic, I., Düllmann, Ch.E., Eichler, R., Garcia, M.A., Gates, J.M., Sudowe, R., Nitsche, H., (2008) Comparison of complementary reactions for the production of  $^{262, 261}\text{Bh}$ , *Physical Review C* 78, 04606.

Samuel, M.N., Holcomb, W.R., Guadagnoli, M.A., Rubley, M.D., & Wallmann, H. (2008). Acute effects of static and ballistic stretching on measures of strength and power. *Journal of Strength and Conditioning Research*, 22(5), 1422-1428.

Schwantes, J.M., Sudowe, R., Nitsche, H., Hoffman, D.C. (2008). Applications of solvent extraction in the high-yield multi-process reduction/separation of Eu from excess Sm, *Journal of Radioanalytical and Nuclear Chemistry*, 276(2), 543-548.

Wallmann HW, Mercer JA, Landers MR (2008). Surface EMG assessment of the effect of dynamic activity and dynamic activity with static stretching of the gastrocnemius on vertical jump performance. *Journal of Strength and Conditioning Research*, 22(3):787-793.

## **GRANT APPLICATIONS SUBMITTED**

Sudowe, R.: Study of the Higher Oxidation States of Americium for Separation from Curium; Agency: Department of Energy – GNEP.

Sudowe, R.: Advanced Mass Spectroscopy Techniques for Materials Accountancy; Agency: Department of Energy – GNEP.

Sudowe, R.: Adsorption of the lighter homologs of element 104 and 105 on DGA resin from various mineral acids; Agency: Lawrence Livermore National Laboratory.

## **GRANTS/AWARDS**

Conway-Klaassen, J., & Keil, D.E. (2008). Labs are Vital, Abbott Laboratory. AxSYM Clinical Chemistry Instrumentation. Equipment funded: \$127,000.

Rubley, M.D. (2008). Athletic Training Graduate Assistantships for Clark County School District. Select Physical Therapy. Funding was provided to fund 6 graduate students in the Kinesiology Masters program and second to serve the community of Las Vegas and Clark County by supplying skilled health care providers in the form of Licensed Athletic Trainers for the Athletes competing in interscholastic sports in Clark County. Amount Awarded \$147,711.60.

## ABSTRACTS

Bhanot, K., Mercer, J.A., Masumoto, K., Dufek, J.S. (2008). Shock attenuation and impact characteristics for children running at different stride lengths. *Medicine and Science in Sports and Exercise*, 40(5) Supplement 1:S79-S80.

Hickman R, Westcott SL, Rauh MJ, Long T. (2008). Concurrence of parent perception and parent-completed screening tools with professionally administered tests of motor developmental skill and function and 2- and 3- year old Early Head Start enrollees. *Pediatric Physical Therapy*; 19:93.

Holcomb WR, Samuel MS, Rubley MD, Guadagnoli MA. (2008). Acute effects of static and ballistic stretching on measures of strength and power. Free Communication/Poster, NSCA National Conference, Las Vegas, NV.

Holcomb WR, Vandyke AC, Rubley MD, Mangus BC, McWhorter W, Tandy RD. (2008). Comparison of maximal isokinetic and isotonic force during 3 sets of 10 repetitions of strengthening exercise of the triceps. Free Communication/Poster, NSCA National Conference, Las Vegas, NV.

Landers M, Hickman R, Young D, Schuerman S, McWhorter, J (2008). Time Off and Employer Funding for Physical Therapists Toward Formal Continuing Education in States With and Without a Mandate for Continuing Education. *Journal of American Physical Therapy Association*. (PO-RR-107-FR).

Lininger ML, Miller MG, Michael TJ, Baker RJ, Holcomb WR, Berry DC. (2008). An exploratory study of ketoprofen drug concentrations in swine tissue using ultrasound with pluronic lecithin isopropyl palmitate coupling medium. Free Communication/Slides, NATA Annual Meeting and Clinical Symposia, St. Louis, MO.

Mercer JA, Dufek JS, Bhanot K, Freedman JA, House AJ, Aldridge J, Rubley MD, Mangus BC (2008). Shock Attenuation Characteristics For Children Running. *Journal of Athletic Training*, Supplemental, 43(3):S-124.

Peluaga MN, Rubley MD, Klaassen JM, Tandy RD. The efficacy of common sterilization procedures used for implantable thermocouples. *Journal of Athletic Training*, Supplemental. 2008;43(3):S-80.

Peluaga MN, Rubley MD, Klaassen JM, Tandy RD. The efficacy of common sterilization procedures used for implantable thermocouples. FWATA 2008 Annual Meeting. San Francisco, CA. April 5, 2008.

Rubley MD, Peluaga MN, Mendoza J, Threat J, Holcomb WR, Tritsch AJ, Tandy RD. Ultrasound Heating of the Achilles Tendon: A Comparison of Direct and Indirect Application Techniques. *Journal of Athletic Training*, Supplemental. 2008;43(3):S-58.

Rublely MD, Peluaga MN, Mendoza J, Threat J, Holcomb WR, Tritsch AJ, Tandy RD.  
Ultrasound Heating of the Achilles Tendon: A Comparison of Direct and Indirect  
Application Techniques. FWATA 2008 Annual Meeting. San Francisco, CA. April 5,  
2008.

Rublely MD, Ugrinowitsch C, Knight KL, Ricard MD, Holcomb WR, Tandy RD.  
Comparison of Work Performed During 3 Sets of 10 Repetitions of Isokinetic and  
Isotonic Strengthening Exercise of the Triceps. NSCA National Conference and  
Exhibition 2008. Saturday, July 12, 2008.