

**Department of Kinesiology and Physical Education
Publications January 1 – December 31, 2007**

Refereed Journal Articles

BLOOM, Gordon

Bloom, G.A. (Cregan, K., Bloom, G.A., & Reid, G.) Career evolution and knowledge of elite coaches of swimmers with a physical disability. *Research Quarterly for Exercise and Sport*, v. 78 (4), 2007, pp, 339-350.

Shapcott, E.J.B., **Bloom, G.A.**, Johnston, K.M., Loughead, T.M., & Delaney, J.S.) The effects of explanatory style on concussion outcomes in sport. *NeuroRehabilitation*, v. 22 (3), 2007, pp. 161-167.

Shapcott, K.M., **Bloom, G.A.**, & Loughead, T.M.) Factors influencing aggressive and assertive intentions of women ice hockey players. *International Journal of Sport Psychology*, v. 38 (2), 2007, pp. 145-162.

GARCIA, Enrique

Berry, T. R., Spence, J.C., Fraser, S. N., & **García Bengoechea, E.** (2007). Pedometer ownership, motivation, and walking: Do people walk the talk? *Research Quarterly for Exercise and Sport*, 78(4), 369-374.

HARVEY, William

Harvey, W.J., Reid, G., Grizenko, N., Mbekou, V., Ter-Stepanian, M., & Joober, R.(2007). Fundamental movement skills and children with ADHD: Peer comparisons and stimulant effects. *Journal of Abnormal Child Psychology*, 35, 871-882.

PEARSALL, David

Lemair M., **Pearsall D.J.**, Evaluation of impact attenuation of facial protectors in ice hockey helmets. *Sports Engineering* (2007) 10: 65-74

Lomond KV., Turcotte RA., and **Pearsall D.J.** Blade position and orientation during an ice hockey slap shot *Sports Engineering* (2007) 10: 87-100

MILNER, Theodore

Hinder, M.R., **Milner, T.E.** Rapid adaptation to scaled changes of the mechanical environment. *Journal of Neurophysiology* (2007) 98: 3072-3080

Lambercy, O., Dovat, L., Gassert, R., Burdet, E., Teo, C.L., **Milner, T.E.** A haptic knob for rehabilitation of hand function. *IEEE Transactions on Neural Systems and Rehabilitation* (2007) 15: 356-366

Franklin, D.W., Liaw, G., **Milner, T.E.**, Osu, R., Burdet, E., Kawato, M. End-point stiffness of the arm is directionally tuned to instability in the environment. *Journal of Neuroscience* (2007) 27: 7705-7716

Desmoulin, G.T., **Milner, T.E.** Lumbar mechanics from ultrasound imaging. *Canadian Acoustics* (2007) 35: 61-68

Milner, T.E., Franklin, D.W., Imamizu, H., Kawato, M. Central control of grasp: manipulation of objects with complex and simple dynamics. *NeuroImage* (2007) 36: 388-395

RASSIER, Dilson

Rassier, D.E. Stretching human muscles makes them stronger. *Journal of Applied Physiology*, v. 102, no. 1, 2007, pp. 5-6.

Joumma, V., **Rassier, D.E.**, Leonard, T., Herzog, W. Passive force enhancement in single myofibrils. *Pflügers Archiv - European Journal of Physiology*, v. 455, no. 2, 2007, pp. 367-371.

MacIntosh, B.R., Jones, D., Devrome, A.N., **Rassier, D.E.** Prediction of summation in incompletely fused tetanic contractions of rat muscle. *Journal of Biomechanics*, v. 40, no. 5, 2007, pp. 1066-1072.

Bullimore, S.R., Leonard, T.R., **Rassier, D.E.**, Herzog, W. History-dependence of isometric muscle force: Effect of prior stretch or shortening amplitude. *Journal of Biomechanics*, v. 40, no. 7, 2007, pp. 1518-1524.

Frasson, V.B., **Rassier, D.E.**, Herzog, W., Vaz, M.A. Dorsiflexor and plantarflexor torque-angle and torque-velocity relationships of classical ballet dancers and volleyball players. *Brazilian Journal of Biomechanics*, vol. 8, no. 14, 2007, pp. 31-37.

REID, G.

Cregan, K., Bloom, G.A., & **Reid, G.** (2007). Career evolution and knowledge of elite coaches of swimmers with a physical disability. *Research Quarterly for Exercise and Sport*, 78, 339-350.

Harvey, W. J., **Reid, G.**, Grizenko, N., Mbekou, V., Ter-Stepanian, M., & Joobar, R. (2007). Fundamental movement skills and children with attention-deficit hyperactivity disorder: Peer comparisons and stimulant effects. *Journal of Abnormal Child Psychology*, 35, 871-882.

SABISTON, Catherine

Sabiston, C. M., McDonough, M. H., Crocker, P. R. E. (2007). Psycho-social experiences of breast cancer survivors involved in a dragon boat program: Exploring links to positive psychological growth. *Journal of Sport and Exercise Psychology*, 29, 419-438.

Lovato, C. Y., Hsu, H., **Sabiston, C. M.**, Hadd, V., Nykiforuk, C. I. J. (2007). Tobacco point-of-purchase marketing in school neighbourhoods and school smoking prevalence: A descriptive study. *Canadian Journal of Public Health*, 98, 265-270.

Lovato, C. Y., **Sabiston, C. M.**, Hadd, V., Nykiforuk, C. I. J., Campbell, H. S. (2007). The impact of school smoking policies and student perceptions of enforcement on school smoking prevalence and location of smoking. *Health Education Research*, 22, 782-793.

Sabiston, C. M., Sedgwick, W. A., Crocker, P. R. E., Kowalski, K. C., & Stevens, D. (2007). Social physique anxiety in adolescents: an examination of influences, coping strategies and health behaviours. *Journal of Adolescent Research*. 22, 78-101.

STAPLEY, P.

Macpherson JM, Everaert DG, **Stapley PJ**, Ting LH. (2007) Bilateral vestibular loss in cats leads to active destabilization of balance during pitch and roll rotations of the support surface. *Journal of Neurophysiology* 97: 4657-4367.

TAIVASSALO, Tanja

Adihetty P, **Taivassalo, T**, Haller RG, Walkinshaw DR, and Hood, DA. The effect of training on the expression of mitochondrial biogenesis- and apoptosis- related proteins in skeletal muscle of patients with mtDNA defects. *AJP: Endocrinology and Metabolism* 2007 293(3):E672-80

TURCOTTE, René

Lomond KV, **Turcotte RA**, and Pearsall DJ Blade position and orientation during an ice hockey slap shot *Sports Engineering* 10(2): 87-100, 2007.

Published Abstracts

SABISTON, Catherine

Sabiston, C. M., McDonough, M. H., Sedgwick, W. A., Crocker, P. R. E. (2007). Muscle gains, emotional strains, and social deigns? Conflicting experiences of change among overweight women participating in an exercise intervention program. *Journal of Sport and Exercise Psychology*, 29, 200.

Refereed Conference Proceedings/Presentations

COTE, Julie

Côté, J.N. Effects of whiplash-associated disorders on the stabilization mechanisms of the seated posture in response to support surface perturbations. Proceedings of the 8th Efort Congress (May 2007) Florence, Italy.

Fuller J.R., Lomond K.V., Côté J.N. Upper limb repetitive motion-induced fatigue affects both the posture and movement task characteristics. Proceedings of ISPGR 2007, Burlington, VT (July 2007).

Fuller J.R., Lomond K.V., **Côté J.N.** Whole-body adaptations to repetitive motion-induced arm fatigue. Proceedings of PREMUS 2007, Boston, MS (August 2007).

Côté, J.N., Patenaude, I.P., St-Onge, N., Fung, J. Effects of an intensive, multimodal rehabilitation and work retraining program on psychosocial and postural characteristics of persons with whiplash-associated disorders. Proceedings of PREMUS 2007, Boston, MS (August 2007).

MILNER, Theodore

Dovat, L., Lambercy, O., Johnson, V., Salman, B., Wong, S., Gassert, R., Burdet, E., Leong, T.C., **Milner, T.** A cable driven robotic system to train finger function after stroke. *ICORR2007*, Noordwijk Netherlands (June 2007)

Lambercy, O., Dovat, L., Johnson, V., Salman, B., Wong, S., Gassert, R., **Milner, T.**, Burdet, E., Leong, T.C. Development of a robot-assisted rehabilitation therapy to train hand function for activities of daily living. *ICORR2007*, Noordwijk Netherlands (June 2007)

Reeves, N.P., Cholewicki, J., Milner, T. and Lee, A. Trunk antagonist co-activation is associated with impaired neuromuscular performance. *Progress in Motor Control VI*, Santos Brazil (August 2007)

PEARSALL, David

Pearsall D.J., Ouckama R., Loh J., Bouchard C.E. Effects of cross slope on gait ground reaction forces, *International Society for Posture & Gait Research*, Burlington, Vermont, 14-18 (July 2007).

Lemair M., **Pearsall D.J.** Evaluation de l'absorption de l'impact des Protecteurs Faciaux pour les Casques de Hockey sur Glace, 75e Congrès de l'ACFAS, UQTR (mai 2007).

Lemair M., **Pearsall D.J.** Evaluation of Impact Attenuation of Facial Protectors in Ice Hockey Helmets, *Third International Meeting on Minor Traumatic Brain Injuries, mTBI in Sports* St. Moritz Switzerland, (March 12 - 18th 2007).

TAIVASSALO, Tanya

Wyrick P, **Taivassalo T**, Heinicke K, Babb T, Haller RG. Changes in ventilatory threshold in mitochondrial myopathies following cycling training, deconditioning strength training. *Med Sci Sports Exercise* 2007;39 (5) S 2015

Book Chapters

BLOOM, Gordon

Bloom, G.A. Coaching psychology. In P.R.E. Crocker, ed., *Introduction to sport psychology: A Canadian perspective*, Toronto; Pearson, 2007, pp. 239-265.

MILNER, Theodore

Franklin, D.W., **Milner, T.E.**, Kawato, M. Single trial learning of external dynamics: what can the brain teach us about learning mechanisms? In K. Natsume, A. Hanazawa, T. Miki T. (eds.) *Brain-Inspired IT III*, Elsevier, 2007, pp. 67-70

Milner, T.E., Hinder, M.R., Franklin, D.W. How is somatosensory information used to adapt to changes in the mechanical environment? In P. Cizek, T. Drew, J. Kalaska (eds.) *Computational Neuroscience: Theoretical Insights into Brain Function. Progress in Brain Research*, Elsevier, 2007, Vol. 165, pp. 365-375

REID, Greg

Wall, A. E., **Reid, G.**, Harvey, W. J. Interface of the knowledge-based and ecological task analysis approaches. In W.Davis, G. Broadhead (eds.). *Ecological Task Analysis and Movement* Champaign, IL: Human Kinetics, 2007, pp. 259-277