

Department of Kinesiology and Physical Education
Publications January 1 - December 31, 2008

Refereed Journal Articles

ANDERSEN, Ross

Giles J.T., Bartlett S.J, **Andersen RE**, Fontaine K.R., Bathon J.M. (2008). [Association of body composition with disability in rheumatoid arthritis: impact of appendicular fat and lean tissue mass.](#) *Arthritis Rheum.* 59(10):1407-15.

Andersen R.E., Bauman A.E., Franckowiak S.C., Reilley S.M., Marshall A.L., (2008) [Prompting health professionals to be activity role models – motivating stair use at the 2001 ACSM scientific meeting.](#) *J Phys Act Health.* (4):607-18.

Giles J.T., Ling S.M., Ferrucci L., Bartlett S.J, **Andersen, R.E.**, Towns M., Muller D., Fontaine K.R., Bathon J.M. (2008). [Abnormal body composition phenotypes in older rheumatoid arthritis patients: association with disease characteristics and pharmacotherapies.](#) *Arthritis Rheum:* 59(6):807-15.

Giles J.T., Bartlett S.J., Andersen R., Thompson R., Fontaine K.R., Bathon J.M. (2008). [Association of body fat with C-reactive protein in rheumatoid arthritis.](#) *Arthritis Rheum:* 58(9):2632-41

BLOOM, Gordon

Newin, J., **Bloom, G.A.**, & Loughead, T.M. (2008). Youth ice hockey coaches' perceptions of a team-building intervention program. *The Sport Psychologist*, v. 22 (1) pp. 54-72.

Senécal, J., Loughead, T.M, & **Bloom, G.A.** (2008). A season-long team-building intervention program: Examining the effect of team goal setting on cohesion. *Journal of Sport & Exercise Psychology*, v. 30 (2): pp. 186-199.

Bloom, G.A., Loughead, T.M., & Newin, J. (2008). Team building for youth sport. *Journal of Physical Education, Recreation, & Dance*, v. 79 (9), pp. 44-47.

Bloom, G.A., Loughead, T.M., Shapcott, E.J.B., Johnston, K.M., & Delaney, J.S.) The prevalence and recovery of concussed male and female collegiate athletes. *European Journal of Sport Science*, v. 8 (5), 2008, pp. 295-303.

COTE, Julie

Fuller J., Lomond K., Fung J, **Cote J.N.** (2008) Posture-movement changes following repetitive motion-induced shoulder muscle fatigue. *Journal of Electromyography and Kinesiology*, doi:10.1016/j.jelekin..

Côté J.N., Mathieu P.A., Feldman, A.G. and Levin M.F. (2008) Effects of fatigue on whole-body kinematics and EMG during repetitive hammering. *Motor Control* 12(2): 79-92.

Baltov P., Côté J., Truchon M., Feldman D. (2008) Psychosocial factors associated with outcomes for patients undergoing rehabilitation for chronic whiplash associated disorders. *Disability and Rehabilitation* 14: 43-53.

GARCIA, Enrique

Amenabar, B., Sistiaga, J. J., & García Bengoechea, E. (2008). Revisión de los distintos aspectos de la influencia de los padres y las madres en la practica de la actividad física y el deporte (A review of the different dimensions of the influence of fathers and mothers on physical activity and sport participation). *Apunts Educación Física y Deportes*, 93, 29-35.

MILNER, Theodore

Dovat, L., Lambercy, O., Gassert, R., Maeder, T., Leong, T.C., Milner, T. and Burdet, E. (2008) HandCARE: A cable-actuated REhabilitation system to train hand function after stroke. *IEEE Trans. Neural Syst. Rehabil. Eng.* 16: 582-591

Franklin, D.W., Burdet, E., Tee, K.P., Osu, R., Chew, C-M., Milner, T.E. and Kawato, M. (2008) CNS learns stable, accurate and efficient movements using a simple algorithm. *J. Neurosci.* 28: 11165-11173

Hall, R.S., Desmoulin, G.T. and Milner, T.E. (2008) A technique for conditioning and calibrating force sensing resistors for repeatable and reliable measurement of compressive force. *J. Biomech.* 41: 3492-3495

Reeves N.P., Cholewicki J., Milner T., and Lee A. (2008) Trunk antagonist co-activation is associated with impaired neuromuscular performance. *Exp. Brain Res.* 188: 457-463

PEARSALL, David

Pearsall DJ and Dowler P. (2008). A Longitudinal Study of Hockey Helmet Shelf Life. *Journal of ASTM International*, Vol. 5, No. 8 Paper ID JAI101870 available online at www.astm.org.

Upjohn T, Turcotte R, Pearsall DJ, Loh J. (2008) Three dimensional kinematics of the lower limbs during forward ice hockey *Sport Biomechanics* 7(2): 205-220.

PERRAULT, Hélène

Ngomo S., K. Messing, H. Perrault, A. Comtois. Orthostatic symptoms, blood pressure and working postures of factory and service workers over an observed workday. *Applied Ergonomics* 39: 729-736, 2008.

Picard M., R. Godin, M. Sinnreich, J. Bourbeau, H. Perrault, T. Taivassalo, Y. Burelle. The mitochondrial phenotype of peripheral muscle in COPD: Disuse or dysfunction? *Am J Respir Crit Care Med.* 2008 Nov 15; 178(10):1040-7).

Maltais F., J. Bourbeau, S. Shapiro, Y. Lacasse, H. Perrault, J.R. Penrod, M. Baltzan, B. Hutton, M. Rouleau, M. Julien, S. Parenteau, B. Paradis, R. Audet, P. Hernandez, R.D. Levy, P. Camp, R. Lecours, D. Picard, S. Bernard. "Effects of home-based pulmonary rehabilitation in patients with Chronic Obstructive Pulmonary Disease". *Ann of Intern Med* 149:869-878, 2008.

RASSIER, Dilson

Rassier, D.E. Pre-power-stroke cross-bridges contribute to force during stretch of skeletal muscle myofibrils. *Proceedings of the Royal Society of London B*, 275: 2577–2586.

MacIntosh, B.R., Smith, M.J., **Rassier, D.E.** (2008). Staircase but not posttetanic potentiation in rat muscle after spinal cord hemisection. *Muscle & Nerve*, 38(5):1455-65, 2008.

Joumaa, V., **Rassier, D.E.**, Leonard, T., Herzog, W. (2008). The origin of passive force enhancement in skeletal muscle. *American Journal of Physiology – Cell Physiology*, 294(1):C74-C78.

SABISTON, Catherine

Sabiston, C.M., McDonough, M. H., & Crocker, P. R. E. (2008). An Interpretive Phenomenological Examination of Psychosocial Changes among Breast Cancer Survivors in their First Season of Dragon Boating. *Journal of Applied Sport Psychology*, 20, 445-440.

Sabiston, C. M. & Crocker, P. R. E. (2008). Exploring a model of self-perceptions and social influences in the prediction of adolescent leisure-time physical activity. *Journal of Sport and Exercise Psychology*, 30, 3-22.

Sabiston, C. M. & Crocker, P. R. E.(2008). Examining an integrative model of physical activity and healthy eating behaviors among adolescents. *Journal of Adolescent Health*, 42, 64-72.

STAPLEY, P.

Schepens B, **Stapley PJ**, Drew T (2008) Neurones in the pontomedullary reticular formation signal posture and movement both as an integrated behaviour and independently. *Journal of Neurophysiology* 100: 2235-2254.

Stapley PJ, Drew T (2009) The pontomedullary reticular formation contributes to the compensatory postural responses observed following removal of the support surface in the standing cat. *Journal of Neurophysiology* 101 (3): 1334-1350 (*first published, Dec 31, 2008* doi:10.1152/jn.91013.2008).

TAIVASSALO, Tanja

Murphy, J.L., Blakely, E.L., Schaefer, A.M., He, L., Wyrick, P., Haller, R.G., Taylor, R.W., Turnbull, D.M. and **Taivassalo, T.** (2008). Resistance training in patients with single, large-scale deletions of mitochondrial DNA. *Brain*: 131(11);2832-40.

Swalwell H, Blakely EL, Sutton R, Tonska K, Elstner M, He L, **Taivassalo T**, Burns DK, Turnbull RG, Haller RG, Davidson MM, Taylor RW. (2008). A homoplasmic mtDNA variant can influence the phenotype of the pathogenic m.7472ins MTTS1 mutation: are two mutations better than one? *Eur J Hum Genet*: 1-10.

Mochel F, Knight MA, Tong WH, Hernandez D, Ayyad K, **Taivassalo T**, Andersen PM, Singleton A, Rouault TA, Fischbeck KH, Haller RG. (2008). Splice mutation in the iron-sulfur cluster scaffold protein ISCU causes myopathy with exercise intolerance. *Am J Hum Genetics*: 82(3):652-60.

Picard, M., Godin, R., Sinnreich M, Baril J, Boubeau J, Perrault, H, **Taivassalo T**, Burelle Y. The Mitochondrial Phenotype of Peripheral Muscle in COPD: Disuse or Dysfunction? *Am J Respir Crit Care Med*. 2008 15;178(10):1040-7.

TURCOTTE, René

Upjohn, T., **Turcotte R**, Pearsall D.J., Loh I. (2008). Three dimensional kinematics of the lower limbs during forward ice hockey *Sport Biomechanics* 7(2): 205-220.

Published Abstracts

COTE, Julie

Fuller J, Lomond K, **Cote J.N.** Posture-movement adaptation strategies to repetitive motion-induced arm fatigue. *Journal of Electromyography and Kinesiology*, Proceedings, 17th Conference for the International Society for Electrophysiology and Kinesiology, Niagara Falls, Ontario, Can, June 2008.

St-Onge N., **Cote J.N.**, Patenaude I., Fung J. Intensive return to work rehabilitation improves stabilization patterns in whiplash-associated disorder individuals. *Journal of Electromyography and Kinesiology*, Proceedings, 17th Conference for the International Society for Electrophysiology and Kinesiology, Niagara Falls, Ontario, Can, June 2008.

SABISTON, Catherine

Brunet, J. & **Sabiston, C. M.** (2008). A Self-Determination Theory Approach to Understanding the Relationship between Social Physique Anxiety and Physical Activity. *Journal of Sport and Exercise Psychology*, 30, 156.

Hassell, K. A., **Sabiston, C. M.**, & Bloom, G. (2008). Elite female adolescent athletes' perceptions of the motivational influences and social support of coaches, parents, and peers: A grounded theory approach. *Journal of Sport and Exercise Psychology*, 30, 174.

Keyserlingk, J., Laurent, B. Keyserlingk, J., **Sabiston, C. M.**, Comtois, A., Kilgour, R., & Jones, D. (2008). The Ville Marie Women's Health and Fitness Center Project. *American Journal of Clinical Oncology*, 31.

Refereed Conference Proceedings/Presentations

BLOOM, Gordon

Sabiston, C., Hassell, K.A., Sabiston, C.M., & **Bloom, G.A.** Elite female adolescent athletes' perceptions of the motivational influences and social support of coaches, parents, and peers: A grounded theory approach. Paper presented at the North American Society for the Psychology of Sport and Physical Activity. Niagara Falls, Ontario, *Journal of Sport & Exercise Psychology*, v. 30, 2008, p. 174.

COTE, Julie

Fuller J, Lomond K, **Cote JN**, Fung J. Posture-movement changes following repetitive motion-induced arm fatigue. Proceedings of the 38th Annual Society for Neuroscience Conference, Washington, USA, November 2008.

Lomond KV, Leduc-Poitras C, Boulay E, DeSerres S, Simmonds M, **Cote JN**. Repetitive movements increase pain but do not change functional measures in persons with chronic neck/shoulder pain. Proceedings of the 12th World Congress on Pain, Glasgow, Scotland, August 2008.

Rivest K, **Cote JN**, Dumas JP, Sterling M, DeSerres SJ. Thermal sensitivity and catastrophizing but not pressure sensitivity may be used as predictors for pain and disability following whiplash injury. Proceedings of the 12th World Congress on Pain, Glasgow, Scotland, August 2008.

MILNER, Theodore

Reeves, N.P., Cholewicki, J., **Milner, T.** and Lee, A. (2008) Trunk antagonist co-activation is associated with more strenuous exertions and fatigue. *ISEK 2008*

Dovat, L., Lambercy, O., Salman, B., Johnson, V., Gassert, R., Burdet, E., Leong, T.C. and **Milner, T.** (2008) Post-stroke training of a pick and place activity in a virtual environment. *Virtual Rehabilitation 2008*

Lambercy, O., Dovat, L., Salman, B., Johnson, V., **Milner, T.**, Gassert, R., Burdet, E. and Leong, T.C. (2008) Post-stroke rehabilitation of forearm pronation/supination with the Haptic Knob. *I-CREATE08*

Dovat, L., Lambercy, O., Salman, B., Johnson, V., **Milner, T.**, Gassert, R., Leong, T.C. and Burdet, E. (2008) Post-stroke training of finger coordination with the HandCARE (Cable-Actuated Rehabilitation Equipment): A case study. *I-CREATE08*

PEARSALL, David

Leynes*, Peter, Dryer M*, Woolridge N*, **Pearsall D**, and Agur A*. High-calibre skating: comparing skating techniques between low- and high-calibre hockey skaters with anatomically accurate three-dimensional animation. *American Association of Clinical Anatomists*, Toronto, Ontario, July 2008
*Biomedical Communications, Institute of Communication and Culture, University of Toronto at Mississauga, Institute of Medical Science, Department of Anatomy, University of Toronto, 2008.

Michaud-Paquette Y., Turcotte R.A, **Pearsall D.J.**, Covo K. Predictors of scoring accuracy: ice hockey wrist shot mechanics. North American Congress of Biomechanics (NACOB), Ann Arbor, Michigan, 5-9 August 2008

Dixon P and Pearsall DJ. Gait dynamics on a cross-slope walking surface. North American Congress of Biomechanics (NACOB), Ann Arbor, Michigan, 5-9 August 2008

Ouckama R and **Pearsall DJ**. Dynamic pressure mapping of the head-helmet interface. North American Congress of Biomechanics (NACOB), Ann Arbor, Michigan, 5-9 August 2008

Dowler PM and **Pearsall DJ**. Effects of ice hockey facial protectors on response time. North American Congress of Biomechanics (NACOB), Ann Arbor, Michigan, 5-9 August 2008

Magee PM, Dixon P, Stidwill TJ, Pearsall DJ, and Turcotte RA. Portable strain measurement system for ice hockey sticks, North American Congress of Biomechanics (NACOB), Ann Arbor, Michigan, 5-9 August 2008

Pearsall DJ and Dowler P. A longitudinal study of hockey helmet Shelf Life, 5th *International Symposium on Safety in Ice Hockey*, in Denver, Colorado, USA, May 4-5, 2008.

REID, Gregory

Staples, K. & **Reid, G.** Fundamental movement skills and autism spectrum disorders: Delay, deficit, or both? Paper presented at the symposium of the North American Federation of Adapted Physical Activity, Indianapolis, Indiana, September 2008.

Staples, K., Redden, K., **Reid, G.**, & Bouffard, M. Components of self-regulatory behavior in children with and without developmental coordination disorder. Paper presented at the symposium of the North American Federation of Adapted Physical Activity, Indianapolis, Indiana, September 2008.

Steff, M. & **Reid, G.** Organization of physical activity services for seniors with intellectual disabilities. Paper presented at the symposium of the North American Federation of Adapted Physical Activity, Indianapolis, Indiana, September 2008.

MacDonald, C. & **Reid, G.** Physical education teacher's perceptions of self-determination development and initial validation of a survey. Paper presented at the symposium of the North American Federation of Adapted Physical Activity, Indianapolis, Indiana, September 2008.

SABISTON, Catherine

Sabiston, C. M., Barnett, T. A., O'Loughlin, J. O., & Lambert, M. (May 2008). Linking body image, physical activity, and health to cardiometabolic risk factors. Proceedings from the *International Society for Behavioral Nutrition and Physical Activity* conference, Banff, AB.

Keyserlingk, J., Laurent, B. **Sabiston, C. M.**, Comtois, A., Kilgour, R., Keyserlingk, J., & Jones, D. (March 2008). The Ville Marie Women's Health and Fitness Center Project. Proceedings from the *19th Annual National Interdisciplinary Breast Center* conference, Las Vegas, NV.

STAPLEY, Paul

Vedula S, **Stapley PJ**, Kearney RE (2008) Reflex changes associated with anticipatory postural adjustments preceding voluntary arm movements in standing humans. *Conf Proc IEEE Eng Med Biol Soc.* 1: 4523-4526.

TAIVASSALO, Tanya

Robillard, J., Baril, J., Bourbeau, J., Perrault, H., **Taivassalo, T.** Exaggerated Leg Blood Flow in COPD during Knee Extension Exercise Compared to Healthy Controls. *American Journal of Respiratory and Critical Care Medicine*, 2008; Volume 177, A999

Baril, J., Robillard, J., Darauay, C., **Taivassalo, T.**, Bourbeau, J., Perrault, H. Small Versus Large Muscle Mass Exercise Paradigm in COPD: A Ventilatory Perspective. *American Journal of Respiratory and Critical Care Medicine*, 2008; Volume 177, A1000

Picard, M., Godin, R., Sinnreich, M., Bourbeau, J., Perrault, H., Burelle, Y., **Taivassalo, T.** Alterations of Mitochondrial Function in Permeabilized Myofibers of COPD: Disuse Versus Dysfunction. *American Journal of Respiratory and Critical Care Medicine*, 2008; Volume 177, A656

TURCOTTE, René

Michaud-Paquette Y, Turcotte RA, **Pearsall DJ**, Covo K. Predictors of scoring accuracy: ice hockey wrist shot mechanics. *North American Congress of Biomechanics (NACOB)*, Ann Arbor, Michigan, 5-9 August 2008

Magee PM, Dixon P, Stidwill TJ, **Pearsall DJ**, and Turcotte RA. Portable strain measurement system for ice hockey sticks, *North American Congress of Biomechanics (NACOB)*, Ann Arbor, Michigan, 5-9 August 2008

Book Chapters

GARCIA, Enrique

García Bengoechea, E., & Strean, W. B. (2008). Examining third order effects on adolescents' sport participation and motivation. In M. P. Simmons & L. A. Foster (Eds.), *Sport and exercise psychology research advances* (pp. 157-174). New York: Nova

García Bengoechea, E., Smeltzer, K., & Rengifo Varona, M. I. (2008). Deporte escolar: perspectivas internacionales (School sports: International perspectives). In B. Amenabar (Ed.), *El libro blanco del deporte escolar en el País Vasco (The white book of school sports in the Basque Country)*. Lakua: Basque Government.