

CURRICULUM VITAE

Alexander Victor Ng, Ph.D, FACSM

Associate Professor
Program in Exercise Science
Department of Physical Therapy
Marquette University

(414) 288-6209
(414) 288-6079 FAX
alexander.ng@marquette.edu

6. Rodriquez, A.A., Agre J.C., and **Ng A.V.**. Acoustic myography during isometric fatigue and recovery. *American Academy of Physical Medicine and Rehabilitation* (annual meeting, Phoenix AZ) pg. 142, 1990.
7. **Ng, A.V.**, Rodriquez A.A., Knudtson E., and Agre J.C.. Influence of isometric exercise intensity on the recovery of maximal voluntary contraction. *Med. Sci. Sports Exerc.* 23: S56, 1991. American College of Sports Medicine annual meeting, Orlando, FL.
8. **Ng, A.V.**, Callister, R., Reiling, M.J., and Seals D. R.. 1991. Sympathetic nerve activity at rest and

24. **Ng, A.V.**, Doyle J.W., Dao H.T., Kent-Braun J.A.. Human skeletal muscle fatigue: Is gender more influential than age? *Med. Sci. Sports Exerc.* (suppl) 31: S167, 1999. American College of Sports Medicine Annual Meeting, Seattle WA.
25. Kent-Braun, J.A., **Ng A.V.**, Dao H.T., Doyle J.W., Johansen K.. Lower VO₂ peak in older adults is not due to lower peripheral oxidative capacity. *Med. Sci. Sports Exerc.* (suppl) 31: S384, 1999. American College of Sports Medicine Annual Meeting, Seattle WA.
26. Doyle, J.W., Ng A.V., Dao H.T., Johansen K., Lee A.S., Kent-Braun J. A.. Physical activity and heart rate-max are associated with VO₂ peak in older but not younger adults. *Med. Sci. Sports Exerc.* (suppl) 31: S384, 1999. American College of Sports Medicine Annual Meeting, Seattle WA.
27. Johansen, K.L., Carey S., **Ng A.V.**, Kent-Braun J. A., and Painter P.L. Measurement of physical functioning in persons on hemodialysis. *Med. Sci. Sports Exerc.* (suppl) 32: S160, 2000. American College of Sports Medicine Annual Meeting, Indianapolis, IN.
28. **Ng, A.V.**, Doyle J., Dao H.T., Miller R.G., and Kent-Braun J. A.. Central fa

43. Austin S., Polichnowski A. J., Jenkins N., Lobeck L. J., Bobholz J., Alt C., MS, PT, **Ng A. V.**, FACSM. Physiological Effects of Aquatic Exercise and Temperature in Persons with Multiple Sclerosis and Controls. Online 2005, ASEP Annual meeting, Minneapolis.
44. Heyer E. K., Polichnowski A. J., Lobeck L. J., Prost R. W., **Ng A.V.**, FACSM. Exercise Endurance but not Fatigue is Limited in Persons with Multiple Sclerosis by Oxygen Delivery to the Exercising Muscle. Online 2005, ASEP Annual meeting, Minneapolis.
45. **Ng A.V.**, Alt C., Gore E., Montagnini M., Stern J., Dufek S.. Muscle fatigue in cancer survivors undergoing curative radiation therapy. Presented at the National Cancer Institute - Small Grants Grantees conference, Bethesda. 2005.
46. Hunter S. K., Sanders J.M., Polichnowski A. J. & **Ng A.V.** FACSM. Men have greater active hyperemia than women for a similar intensity isometric fatiguing contraction. *Med. Sci. Sports Exerc.*, 37: S388, 2005. Presented at the 2005 ACSM annual meeting, Nashville.
47. Heyer E.K., Polichnowski A. J., Lobeck L. J., Prost R. W., **Ng A. V.** FACSM. Evidence for a Blood Flow Associated Limitation to Endurance in Persons with Multiple Sclerosis *Med. Sci. Sports Exerc.*, 37: S56, 2005. Presented at the ACSM annual meeting, Nashville.
48. Heyer E.K., Lobeck L.J.; Mohr D.C.; Polichnowski A.J.; Miller R.G.; Kent-Braun J.A.; **Ng A.V.**. Cardiovascular function, symptomatic fatigue and depression in multiple sclerosis. Presented at the Society for Neuroscience annual meeting, q9(e)9()JT448.42 6t

59. Wong, S., Ellingson, A., Hunter, S., and **A. Ng**. Corticospinal Response Differs with Depression: A Pilot Study. Poster presented at the College of Health Sciences Summer Research Program Symposia. August 2007.
60. Ellingson, A, Wong, S. Hunter and **A.V. Ng**, Type of Depression May Influence Corticospinal Responses: A TMS Pilot Study. Slide and poster presented at the College of Health Sciences Summer Research Program Symposia. August 2007.
61. Ellingson, A, Wong, S. Hunter and **A.V. Ng**, Type of Depression May Influence Corticospinal Responses: A TMS Pilot Study. Refereed poster presented at the Annual Meeting of the Biomedical Engineering Society, Sept 2007 (Los Angeles, CA).
62. Type of Feedback and Time to Task Failure in Young and Old Adults. Griffith, E.E., Yoon, T., Farinella, J.M., **Ng, A.V.**, and S.K. Hunter. American College of Sports Medicine Annual Meeting, 2008. *Med Sci Sports Exerc* 40:S448, 2008.
63. Dixon, J., Cowdy, J., and **A. V. Ng**, Accelerometer Reactivity During Physical Activity Monitoring in College Students. American College of Sports Medicine Annual Meeting, 2008. *Med Sci Sports Exerc* 40:S321, 2008.
64. **Ng, A.V.**, Vanden Noven, M., Cowdy, J., Farinella, J., Heyer, E.K., and S.K. Hunter. Increased Muscle Fatigability may Contribute to Cancer-Related Fatigue in a Breast Cancer Survivor Undergoing Chemotherapy. American College of Sports Medicine Annual Meeting, 2008. *Med Sci Sports Exerc* 40:S290, 2008.
65. Ingraham, B.A., Woo, D., Heyer, E., Harkins, A., Dixon, J., and **A.V. Ng**. Cortisol contributes to symptomatic fatigue and heart rate variability in persons with multiple sclerosis. American College of Sports Medicine Annual Meeting, 2009, *Med Sci Sports Exerc* 41: S417, 2009.
66. **Ng. A.V.**, Woo, D., Harkins, A., Csuka, M.E., Ingraham, B.A., Dixon, J., and P.E. Papanek. Determinants of bone mineral density in persons with multiple sclerosis. American College of Sports Medicine Annual Meeting, 2009, *Med Sci Sports Exerc* 41: S592, 2009.
67. B. Ingraham, B.T. Cleland, M C. Pitluck, J. Cowdy, and **A.V. Ng**, FACSM. Reproducibility of Ratings of Perceived Exertion in Persons with Multiple Sclerosis. Presented Midwest Chapter of American College of Sports Medicine annual meeting . St Charles IL, 2009.
68. **Ng. A.V.**, Woo, D., Csuka, M.E., Harkins, A., Cleland, B., Pitluck, M., Ingraham, B. Papanek, P. Moderate Physical Activity is Associated with Bone Density in MS. Presented at Consortium of MS Centers Annual Meeting, San Antonio TX, 2010.

SESSION CHAIR AT PROFESSIONAL MEETINGS

Invited Session Chair

Consortium of MS Centers: Consensus Conference on Exercise as a Prescriptive Therapy in Multiple Sclerosis. *Physiology of Exercise in Persons with MS*". October 2010.

Neuro-Rehabilitation Dept., Froedtert Hospital “Does Exercise Play a Central or Peripheral Role in Multiple Sclerosis: Research and Applied Considerations” April, 2009
University of Chicago Medical Center, Geriatrics and Oncology

YMCA of Metropolitan Milwaukee, Cancer Survivorship Expert Panel, a local panel to provide training and to oversee exercise based wellness programs for cancer survivors. August 2008 - present

YMCA/Lance Armstrong Foundation Collaborative Expert Panel, to develop and oversee research based initiative to promote exercise and wellness in cancer survivors at select YMCAs. August 2007 present.

Concordia University, Department of Physical Therapy, Mequon, WI *Mechanisms of Fatigue in Multiple Sclerosis: an update.* 2007.

~~University of California Irvine Medical School, Irvine, CA, Successful Grantmanship July 2006~~

Concordia University, Department of Physical Therapy, Mequon, WI *Mechanisms of Fatigue in Multiple Sclerosis*, April, 2006,2007

Medical College of Wisconsin Dept of Phys. Med. and Rehab. Milwaukee, WI *Neurophysiologic Assessment of Fatigue in Chronic Disease*. March 2006

National Multiple Sclerosis Society (WI Chapt.) Hartland, WI, MS *Research Update for Health Care Professionals*. July 10, 2005.

University of Wisconsin- Milwaukee, WI. Seminar in Human Movement Sciences. *Mechanisms of Fatigue in Persons with Multiple Sclerosis*. March 2005

Biomedical Technology Alliance, Milwaukee, WI. Opportunities for Partnering in Rehabilitation and imaging. Member of expert panel on Imaging and Rehabilitation. November, 2004.

Lance Armstrong Foundation, Austin TX, Invited Speaker. "Muscle Fatigue in Cancer Survivors" November, 2004

American Society of Exercise Physiologists,

Marquette University, Milwaukee WI, Integrated Neuroscience Research Center seminar series. *Fatigue in Multiple Sclerosis-Is it all in the head?* October, 2002.

Marquette University, Milwaukee WI, Bioengineering Department, Brotz Seminar Series on Biomedical Engineering *Fatigue in Multiple Sclerosis- Getting to the Heart of the Matter*. Oct. 12, 2001.

National Multiple Sclerosis Society – Wisconsin Chapter, Milwaukee, WI, *Cardiovascular Health and Fitness in Multiple Sclerosis* Annual MS Family Day at the Zoo, National MS Society, Wisconsin MS Chapter. Sept. 2001

Multiple Sclerosis Support Group, West Allis, WI, *Fatigue in Persons with MS: a Research Update*. March. 2001.

National Multiple Sclerosis Society – Wisconsin Chapter, Milwaukee, WI, *Exercise and Fatigue in Persons with MS: Current Research Ask the Doctor* t the Zoo, National MS Society, Wisconsin MS Chapter. Sept. 2000

American College of Sports Medicine National Annual Meeting, St. Louis, MO, Tutorial Lecture. "Central and Peripheral Factors Affecting Exercise in Neurologic Diseases: Lessons from Multiple Sclerosis." June, 2000.

Marquette University, Milwaukee, WI, Program in Exercise Science. Seminar. *Cardiovascular and Metabolic Regulation in Multiple Sclerosis: an Integrated Approach*. April 2005

University Hospital and Clinics, Clinical Laboratories Education and Development , Madison, WI
"Glycogen Utilization and Exercise"

Member of Chronic Disease and Disabilities, and Aging interest groups.
Member of the **Northland Regional Chapter ACSM.**
Society for Neuroscience Member (since 2003)

Other Professional Organizations/Activities/Service

Can Do MS (formerly The Heuga Center) since 1994. A non-profit educational and research program for persons with multiple sclerosis. Several times a year I work as a clinical exercise physiologist in an interdisciplinary health care setting with MDs, PTs, OTs, RDs, etc. to promote wellness in persons with MS. Also a research consultant.

Fellow of the American College of Sports Medicine Conferred 2000. Abstract reviewer, Continuing Education program reviewer.

Manuscript reviewer for:

<i>Journal of Gerontology</i>		1995-2000
<i>Sports Medicine</i>		2001
<i>Chest</i>		1997
<i>Neurology</i>	(1/yr)	2004-present
<i>International J. Sports Med.</i>	(1/yr)	2004-

