

SHS Faculty Scholarship

Jacqueline S. Drouin, PT, PhD

Program: Physical Therapy

PEER-REVIEWED JOURNAL PUBLICATIONS

- 1) Drouin, J.S.; Morris, G.S. Evaluation of clinical measures of cardiorespiratory fitness tests for women with breast cancer: a measurement focused study. *Rehab Onc.* 2015;33(3):24-36 & 51.
- 2) Reesman, K.; Rust, L.; Bohde, E.; Doherty, D.; Drouin, J.S. The Effects of a ten -week multifaceted exercise program on muscle strength and aerobic capacity in women with breast cancer. *JSPTR.* 2015: 8(2):62-70
- 3) Doherty, D.; Drouin J.S.; Goike, J.; Lee, N.; Pepin, M-E. Intra-rater Test-Retest Reliability of the Inclinometer to Assess Scapular Upward Rotation in Unimpaired Females: A Measurement Focused Study. *Rehab Onc* 2015;33(1):47-50.
- 4) Colombo, R.; Doherty, D.; Wiechec Seidell, J.; Linn, S.; Drouin, J.S. Design, Implementation, and Sustainability of Physical Therapy in a Comprehensive Oncology Survivorship Program – A Case Report. *PTJ-PAL.* 2015;15(1): J1-11.
- 5) Arena, S.K.; Drouin, J.S.; Thompson, K.A.; Black, R.E. Prevalence of Pre-Hypertension and Hypertension among Individuals Managed by Physical Therapists in the Home Care: A Descriptive Study. *In Press: Cardiopulmonary Physical Therapy* 2014;25(1):18-22.
- 6) Doherty, D.; Lahrman, M.; Dietlin, S.; Drouin, J.S. Prevalence of functional deficits and rehabilitation recommendations among individuals receiving radiation therapy for cancer: a descriptive study. *Rehab Onc.* 2013;31(4): 23-31.
- 7) Arena SK, Drouin JS, Thompson KA, Black RE. “Prevalence of Pre-Hypertension and Hypertension among Individuals Managed by Physical Therapists in the Home Care: A Descriptive Study. *In Press: Cardiopulmonary Physical Therapy* March 2014
- 8) Drouin JS, Birkmeier L, Jones KL, Miller SL, Gellish R, and Goslin BR. “Evaluation of Maximal Heart Rate Prediction Equations for Women during Breast Cancer Treatment: A Measurement Focused Study” *Rehabilitation Oncology.* 2013;31(2): 11-16.
- 9) Drouin JS, Wilson E, Battle E, Slevin K, Calcaterra A, Mitchell C, and Seidell J. Energy Expenditure, Fatigue, and Hemoglobin Measures during Radiation Treatment for Breast Cancer: A Cohort Study” *Rehabilitation Oncology* 2011;29(3):3-8.
- 10) Drouin JS, Martin K, Onowu N, Berg A, Zuellig L. “Physical Therapy Utilization in Hospice and Palliative Care Settings in Michigan: A Descriptive Study. *Rehabilitation Oncology* 2009;27(2):3-8
- 11) Levangie PK and Drouin JS. “Magnitude of Late Effects of Breast Cancer Treatments on Shoulder Function: A Systematic Review.” *Breast Cancer Research and Treatment* 2009; 116(1):1-15.

- 12) Drouin JS, Bush L, Vaughn H, Mercer J, Kus C, and Breedlove M. "Physical Therapy Treatment of Individuals with Cancer: an Examination of Practice Patterns in Michigan." *Rehabilitation Oncology* 2008; 26(1):3-7.
- 13) Drouin JS, Beeler J. "Exercise in Urologic Cancers." *Urologic Oncology* 2008; 26:205-212.

BOOKS, CHAPTERS

- 1) Consultant/Contributor: Goodman, C.C.; Fuller, K.S. *Pathology: Implications for the Physical Therapist*. 2015.
- 2) Consultant/Contributor: Goodman, C.C.; Fuller, K.S. *Pathology: Implications for the Physical Therapist*. 2009.

CONFERENCES, PRESENTATIONS, POSTERS, ABSTRACTS

- 1) "Evaluation of Ratings of Perceived Exertion during Maximal Exercise Tests among Women Undergoing Breast Cancer Treatment: A Measurement Focused Study." Drouin, J.S.; Hylland, K.; Sereno, K. World Congress of Physical Therapy, Singapore. May 2015.
- 2) "Incidence and Prevalence of Injuries Reported by Female Roller Derby Athletes: a Descriptive Study". Nagy T, Riebel H, Schuster S, Burns R, Drouin JS. Abstract Published: *JOSPT* 2013; (1) Platform: American Physical Therapy Association's Combined Sections Meeting. San Diego, CA 2013 Platform: Michigan Physical Therapy Association's Annual Conference. Southfield, MI 2013
- 3) "Reliability of the Inclinator to Assess Scapular Rotation in Females; A Measurement Focused Study." Goike J, Lee N, Doherty D, Drouin JS. Abstract Published: *Rehab Onc* 2013; 31(1) Platform: American Physical Therapy Association's Combined Sections Meeting. San Diego, CA 2013
- 4) "Effects of Baseline Activity Levels on Physical Activity, Energy Expenditure, Sleep, and Fatigue in Men Undergoing Radiation Therapy for Prostate Cancer: A Cohort Study". Drouin JS, Halas JJ, Winkler TL, Kangas NM, Mitchell C, Calcaterra A, Maynard A. Awarded: "Honorable Mention: 2012 Student Research Award" from the Oncology Section of the American Physical Therapy Association. Abstract Published: *Rehab Onc* 2012; 30(1) Platform: American Physical Therapy Association's Combined Sections Meeting. Chicago, Ill 2012
- 5) "Effects of Body Mass Index on Physical Activity, Energy Expenditure, Sleep, and Fatigue in Men Undergoing Radiation Therapy for Prostate Cancer: A Cohort Study". Drouin JS, Winkler TL, Kangas NM, Halas JJ, Mitchell C, Calcaterra A, Maynard A. Awarded: "Honorable Mention: 2012 Student Research Award" from the Oncology Section of the American Physical Therapy Association. Abstract Published: *Rehab Onc* 2012; 30(1) Platform: American Physical Therapy Association's Combined Sections Meeting. Chicago, Ill 2012
- 6) "Physical Therapy Screening Outcomes in Individuals Receiving Radiation Treatment for Cancer: A Descriptive Study". Lahrman M, Dietlin S, Doherty D, and Drouin JS. Awarded: "2012 Student Research Award Oncology Section of the American Physical Therapy Association." Abstract

Published: *Rehab Onc* 2012;30(1) Platform: Platform: American Physical Therapy Association's Combined Sections Meeting. Chicago, Ill 2012

- 7) "Percentage of Hypertension and Pre-hypertension Blood Pressure Measures Identified by Physical Therapists in the Home Care Setting: A Descriptive Study". Arena SK, Drouin JS, Thompson KA, and Black RE. Abstract Published: *Cardiopulm Phys Ther* 2012; (1) Platform: Platform: American Physical Therapy Association's Combined Sections Meeting. Chicago, Ill 2012
- 8) "Effects of Baseline Fitness and Body Mass Index on Fatigue and Physical Activity Levels during Radiation Treatment for Breast Cancer: A Cohort Study." Mitchell C, Calcaterra A, Maynard A, Wilson E, and Drouin JS Poster: American Radiation Society Annual Conference 2011
- 9) "Exercise Intensity and Training Adaptations Following Participation in a Workplace Wellness Program: a Descriptive Study". Pepin ME, Roobol T, Drouin JS. Abstract Published: *Cardiopulm Phys Ther* 2011; (1) Poster: American Physical Therapy Association's Combined Sections Meeting. New Orleans, LA 2010
- 10) "Reliability of an Armband Energy Expenditure Measurement Device: A Meta-Analysis" Ryde AM, Bieniek M, Whittington T, Gellish R, and Drouin JS. Abstract Published: *Cardiopulm Phys Ther* 2010; (1) Platform: American Physical Therapy Association's Combined Sections Meeting. San Diego CA 2009 Poster: XVII Meeting of the Minds. University of Michigan: 2009
- 11) "Agreement of Armband Energy Expenditure Measures to Indirect Calorimetry for Activities of Daily Living: A Methodological Study. Bieniek M, Ryde AM, Whittington T, Gellish R, and Drouin JS. Abstract Published: *Cardiopulm Phys Ther* 2010; (1) Platform: American Physical Therapy Association's Combined Sections Meeting. San Diego CA 2009 Poster: XVII Meeting of the Minds. University of Michigan: 2009Poster
- 12) "Energy Expenditure and Fatigue During Radiation Treatment for Breast Cancer: A Pilot Cohort Study" Drouin JS, Wilson E, Battle E, Slevin K, Calcaterra A, Mitchell C, and Seidell J. Awarded: APTA National "2010 Oncology Section Student Research Award" Abstract Published: *Rehab Onc* 2010;28(1) Platform: American Physical Therapy Association's Combined Sections Meeting. San Diego, CA 201 Platform: Michigan Physical Therapy Association's Annual Conference. Thompsonville, MI 2010
- 13) "Maximal Heart Rate Prediction Equation For Women Undergoing Treatment for Breast Cancer" Drouin JS, Jones K, Miller S, Meloche, and Gellish RL. Abstract Published: *Rehab Onc* 2010;28(1) Platform: American Physical Therapy Association's Combined Sections Meeting. San Diego, CA 2010 Platform: Michigan Physical Therapy Association's Annual Conference. Thompsonville, MI 2010
- 14) "Training Adaptations in Women Following a Nine-Month Employee Wellness Program: A Summative Evaluation". Pepin M-E, Padgett M, Davis A, Venglar B, Brown T, and Drouin JS Research Award: Cardiovascular and Pulmonary Section 2010 Abstract Published: *Cardiopulm Phys Ther* 2010; (1) Platform: American Physical Therapy Association's Combined Sections Meeting. San Diego, CA 2010

- 15) "Exercise Training Adaptations in Women with Very Low Initial Aerobic Capacity Measures: A Cohort Study" Pepin M-E, Padgett M, Venglar B, Davis A, Brown T, and Drouin JS Abstract Published: *Cardiopulm Phys Ther* 2010; (1) Poster: American Physical Therapy Association's Combined Sections Meeting. San Diego, CA 2010
- 16) "Exercise Training Adaptations in Middle Aged Women Participating in a Worksite Wellness Program: A Cohort Study" Davis A, Pepin M-E, Padgett M, Brown T, Venglar B, and Drouin JS Poster: Michigan Physical Therapy Association's Annual Conference. Thompsonville, MI 2010
- 17) "Self-Reported Frequency and Importance Of Measuring Heart Rate and Blood Pressure At Physical Therapy Clinical Sites" Arena SK, Colthurst GI, Lopes NM, Thompson KA, Gellish RL, and Drouin JS Abstract Published: *Cardiopulm Phys Ther* 2010; (1) Poster: American Physical Therapy Association's Combined Sections Meeting. San Diego, CA 2010
- 18) "Metabolic Assessment of Five Activities of Daily Living in Apparently Healthy Young Adults" Stevens V, Baker L, Stuart K, and Drouin JS. Abstract Published: *Cardiopulm Phys Ther* 2010; (1) Platform: American Physical Therapy Association's Combined Sections Meeting. Las Vega, NV. 2009
- 19) "Physical Therapy Utilization in the Hospice and Palliative Care Setting in Michigan" Berg A, Martin K, Onowu N, Drouin JS and Zuellig L Abstract Published: *Rehab Onc* 2008;26(1) Platform: American Physical Therapy Association's Combined Sections Meeting. Nashville, TN. 2008 Platform: Michigan Physical Therapy Association's Annual Conference. Frankenmuth, MI 2008
- 20) "Metabolic Assessment of Five Activities of Daily Living in Apparently Healthy Young Adults" Fox CF, Bridges KB, Dewick J, Drouin JS, and White R Abstract Published: *Cardiopulm Phys Ther* 2008; (1) Platform: American Physical Therapy Association's Combined Sections Meeting. Nashville, TN. 2008 Platform: Michigan Physical Therapy Association's Annual Conference. Frankenmuth, MI 2008
- 21) "Meta-Analysis: Comparison of Automated Blood Pressure Devices" Bruski D, Thull E, Scott R, Drouin JS, and White R. Abstract Published: *Cardiopulm Phys Ther* 2008; (1) Poster: American Physical Therapy Association's Combined Sections Meeting. Nashville, TN. 2008 Platform: Michigan Physical Therapy Association's Annual Conference. Frankenmuth, MI 2008

GRANTS, CONTRACTS

- 1) "The Effects of Exercise and Donepezil on Cognitive Impairments During Chemotherapy Treatment: A Pilot Study" Doherty D, Redpath M, Moore R, **Drouin JS**. \$15,000 Pardee Foundation Midland, MI Sept 2011
- 2) "Oncology Exercise & Health Promotion Exercise Research Program" Deb Doherty, Heather Rea, **Jacqueline Drouin**, Brian Goslin, Becky Lewis, Ruth Lehrman, and Robert Jarski \$15,000 PT Core Grant & Prevention Research Center Grant School of Health Sciences March 2011
- 3) "Results of physical therapy screening and treatment during radiation treatment for cancer: A Descriptive Study". Doherty D, **Drouin JS**, Wren P \$1,500 Prevention Research Center Grant School of Health Sciences Oakland University Rochester, MI Dec 2009

- 4) "Shoulder function in women with breast cancer following breast cancer treatment: a comparison study" Pepin M, **Drouin JS**, Seidell J, Maltese J, and Chan D. \$20,000 Pardee Foundation Midland, MI June 2009
- 5) "Energy Expenditure, Fatigue, and Hemoglobin Measures During Radiation for Breast or Prostate Cancer: A Comparison Study." **Drouin JS** Calcaterra A, Mitchell C, Maynard A, and Seidell J. \$4250 Physical Therapy Program Core Faculty Research Grant April 2009
- 6) "Energy Expenditure Measures During Radiation Treatment for Breast Cancer: A Reliability Study" **Drouin JS**, Mills-Wisneski S, Wren P \$8,500 Physical Therapy Core Faculty Member Supplemental Grant April 2008
- 7) "Determining Physical and Physiological Effects of Worksite Wellness Programs" Pepin M, **Drouin JS**, Mills-Wisneski S, Padgett M. \$5,380 Physical Therapy Core Faculty Member Supplemental Grant April 2008
- 8) "Energy Expenditure Measures During Radiation Treatment for Breast Cancer" **Drouin JS**, Seidel J, Colombo R, Maltese J. et al. \$15,000 Oakland University & Beaumont Hospital System Internal Grant Jan 2008
- 9) "Energy Expenditure Measures During Radiation Treatment for Breast Cancer" **Drouin JS**, Seidel J, Colombo R, Maltese J. et al. \$1,700 Supplemental Oakland University PT Program July 2008.
- 10) "Energy Expenditure Measures During Radiation Treatment for Breast Cancer" **Drouin JS**, Seidel J, Colombo R, Maltese J. et al. \$1,500 Rehabilitation Services Department: Beaumont Hospital System July 2008