

COMPENDIUM – THE PHYSIOLOGY & BIOMECHANICS OF AGING

York University Centre for Aging Research and
Education (YU-CARE)

The research produced by YU-CARE members and associates* along the theme of the physiology and biomechanics of aging are impactful at the individual, organizational, and societal levels. Research spans from topics including:

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*Authors shown in bold indicate a YU-CARE committee or associate member.

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PAIN AND AGING

1. **Gagliese, L., Gauthier, L. R., Narain, N., & Freedman, T. (2018).** Pain, aging and dementia: Towards a biopsychosocial model. [Progress in Neuro-Psychopharmacology and Biological Psychiatry, 87, 207-215.](#)
2. Gauthier, L. R., Dworkin, R. H., Warr, D., Riddell, R. P., Macpherson, A. K., Rodin, G., ... **Gagliese, L. (2017).** Age-Related Patterns in Cancer Pain and Its Psychosocial Impact: Investigating the Role of Variability in Physical and Mental Health Quality of Life. [Pain Medicine, 19\(4\), 658-676.](#)
3. **Gagliese, L., Gauthier, L. R., Narain, N., & Freedman, T. (2017).** Pain, aging and dementia: Towards a biopsychosocial model. [Progress in Neuro-Psychopharmacology and Biological Psychiatry.](#)
4. Mah, K.*, Tran, K.T.*, Gauthier, L.R., Rodin, G., Zimmermann, C., Warr, D.G., Librach, S.L., Moore, M.J., Shepherd, F.A., & **Gagliese, L. (2017).** Psychometric evaluation of the Pain Attitudes Questionnaire-Revised for younger and older people with advanced cancer. Submitted to [The Journal of Pain.](#) *Co-first authors
5. Gauthier, L.R., Dworkin, R.H., Warr, D., Pillai Riddell, R., Macpherson, A., Rodin, G., Zimmermann, C., Librach, S.L., Moore, M., Shepherd, F.A., & **Gagliese, L. (2017)** Age-related patterns in cancer pain and its psychosocial impact: investigating the role of variability in physical and mental health quality of life. Submitted to [Pain Medicine.](#)
6. Hochman, J.R., Davis, A.M., Elkayam J., **Gagliese, L., & Hawker G.A., (2013)** Neuropathic pain symptoms on the Modified painDETECT correlate with signs of central sensitization in knee osteoarthritis. [Osteoarthritis and Cartilage 21\(9\) S1: 1236-1242.](#)
7. **Gagliese, L., Katz, L., Gibson, M., Clark, A. J., Lussier, D., Gordon, A., & Salter, M. W. (2012).** A brief educational intervention about pain and aging for older members of the community and health care workers. [Journal of Pain, 13\(9\), 849-856.](#)
8. **Gagliese, L., & Melzack, R. (2003).** Age-related differences in the qualities but not the intensity of chronic pain. [Pain, 104, 597-608.](#)
9. **Gagliese, L., & Melzack, R. (1997).** Chronic pain in elderly people. [Pain, 70, 3-14](#)
10. **Gagliese, L., & Melzack, R. (1997).** Lack of evidence for age differences in pain beliefs. [Pain Research and Management, 2, 19-28.](#)
11. **Gagliese, L., & Melzack, R. (1997).** Age differences in the quality of chronic pain. [Pain Research and Management, 2, 157-162.](#)
12. **Meisner, B. A., Linton, V., Séguin, A., & Spassiani, N. A. (2017).** Examining chronic disease, pain-related impairment, and physical activity among middle-aged and older adults in Canada:

Implications for current and future aging populations. [Topics in Geriatric Rehabilitation, 33\(3\), 182-192.](#)

13. Mah, K., Tran, K. T., Gauthier, L. R., Rodin, G., Zimmermann, C., Warr, D., ... & **Gagliese, L.** (2018). Do Correlates of Pain-Related Stoicism and Cautiousness Differ in Younger and Older People With Advanced Cancer?. [Journal of Pain, 19\(3\), 301-316.](#)
14. **Gagliese, L.** (2009). Pain and aging: The emergence of a new subfield of pain research. [Journal of Pain 10\(4\):343-53.](#)
15. **Gagliese, L.**, Jovellanos, M., Zimmermann, C., Shobbrook, C., Warr, D., Rodin, G. (2009) Age-related patterns in adaptation to cancer pain: A mixed-method study. [Pain Medicine 10\(6\): 1050-1061.](#)
16. **Gagliese, L.**, Gauthier, L., & Rodin, G.M., (2007). Cancer pain and depression: A systematic review of age-related patterns. [Pain Research and Management, 20\(3\), 205-211](#)
17. **Gagliese, L.**, Weizblit, N., Ellis, W. & Chan, V. (2005). The measurement of postoperative pain: A comparison of intensity scales in younger and older surgical patients. [Pain, 117, 412-20.](#)

PHYSIOLOGY & BIOMECHANICS AND AGING

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3. Street, B. D., & **Gage**, W. (2017). After total knee replacement younger patients demonstrate superior balance control compared to older patients when recovering from a forward fall. [Clinical Biomechanics, 44, 59-66.](#)
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7. **Kuk**, J. L., & **Arden**, C. I. (2009). Influence of age on the association between various measures of obesity and all-cause mortality. [American Geriatrics Society, 57, 2077-2084.](#)
8. **Kuk**, J. L., Davidson, L. E., Hudson, R., Kilpatrick, K., Bacskai, K., & Ross, R. (2008). Association between dietary fat intake, liver fat, and insulin sensitivity in sedentary, abdominally obese, older men. [Applied Physiology, Nutrition, and Metabolism, 32\(2\), 239-245.](#)
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PHYSICAL ACTIVITY AND AGING

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2. Carter, H. N., Chen, C. C., & **Hood**, D. A. (2015). Mitochondria, muscle health, and exercise with advancing age. [Physiology, 30\(3\), 208-223.](#)
3. Brown, R. E., Riddell, M. C., Macpherson, A. K., Canning, K. L., & **Kuk**, J. L. (2013). The association between frequency of physical activity and mortality risk across the adult age span. [Journal of Health and Aging, 25\(2\), 803-814.](#)
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