

AMY A. KIRKHAM, PHD

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POSITIONS

University of Toronto

Primary Appointment: Assistant Professor, Clinical Cardiovascular Health, Faculty of Kinesiology & Physical Education; 2020 – present

Award: National New Investigator, Heart & Stroke Foundation of Canada, 2022-2025

Associate Member, Cardiovascular Sciences Collaborative Specialization; 2020 - present

University Health Network

Affiliate Scientist, KITE Research Institute, Cardiovascular Prevention & Rehabilitation Program, Toronto Rehabilitation Institute; 2021 - present

Scientist, UHN Women's Health Program; 2022 – present

Postdoctoral Research Fellow, MR Imaging for Quantification of Health, 2016-2020

Department of Biomedical Engineering, Faculty of Medicine & Dentistry, University of Alberta, Edmonton, AB

Awards (\$772,000 CAD total):

1. Canadian Institutes of Health Research Banting Fellowship (2019-2021): \$140,000
2. Best Clinical Research Poster, Cardiac Sciences Research Day, University of Alberta (2019)
3. Institute of Cancer Research (CIHR) Travel Award (2019): \$1,500
4. Susan G. Komen Postdoctoral Fellow Grant (2017-2020): \$180,000 USD (\$242,00 CAD)
5. Semi-Finalist, Susan G. Komen Breast Cancer Challenge (early career researchers) (2017)
6. Canadian Institutes of Health Research Fellowship (2016-2019): \$165,000
7. Alberta Innovates - Health Solutions Clinician Fellowship (2016-2019): \$225,000

EDUCATION

PhD, Cardiovascular & Exercise Oncology, Sep 2010-Feb 2016 (medical LOA 09/11-08/12)
Rehabilitation Sciences, Department of Physical Therapy, Faculty of Medicine
University of British Columbia, Vancouver, BC

Awards (\$143,200 CAD total):

8. Mary Adele Norman Postgraduate Award in Medical Research (2016): \$2800
9. Canadian Institutes of Health Research Canada Graduate Scholarships - Doctoral Award (2010-2011, 2012-2014): \$105,000
10. UBC Four Year Doctoral Fellowship (2010-2011, 2012-2015): \$20,000
11. Canadian Institutes of Health Research Canada Graduate Scholarships – Michael Smith Foreign Study Supplement (2014): \$6,000
12. UBC Urban Poling Activator Award (2014): \$2,000
13. American College of Sports Medicine Foundation Doctoral Student Research Grant (2013): \$5,000 USD (first recipient from outside the US)
14. American College of Sports Medicine Annual Meeting Cancer Interest Group Karen Hornbostel Memorial Trainee Award (2013): \$250 USD
15. Canadian Cancer Society Travel Award (2013): \$1100

Masters of Science, Clinical Exercise Prescription & Physiology, Sep 2008- Oct 2010
School of Human Kinetics, University of British Columbia, Vancouver, BC

Awards (\$58,183 CAD total):

16. UBC Faculty of Education Graduate Student Research Grant (2010): \$883
17. Canadian Institutes of Health Research - Master's Award (2009): \$17,500
18. Michael Smith Foundation for Health Research – Junior Graduate Studentship (2009): \$22,500
19. UBC University Graduate Fellowship (2009, declined): \$16,000
20. UBC Faculty of Education Award (2008): \$1300

Bachelor of Science Cum Laude – Kinesiology, 2003-2008

Certificate - Athletic Therapy, 2004-2007

School of Kinesiology and Health Science, Faculty of Health, York University, Toronto, ON

Awards (\$23,500 CAD total):

21. York Kinesiology and Health Science Honour Award (2007): \$500
22. York Dean's Honour Roll (2003/04, 2004/05, 2006/07, 2007/08)
23. York Kinesiology - Robert Munroe Menzies Award (2006): \$500
24. Canadian Interuniversity Sports Academic All-Canadian (2005/06, 2007/08)
25. York University Sport and Academic Excellence Award (2004-2008): \$10,500 total
26. Koch Industries Inc. Achievement Award (2003-2006): \$6,000 total
27. York University Entrance Scholarship (2003): \$2,000
28. York University Faculty of Pure & Applied Science Scholarship (2003): \$4,000

OPERATING GRANTS

Active

1. Heart & Stroke Foundation National New Investigator Award. "Characterizing and Treating the Unique Cardiovascular Needs of Women with Cancer." \$180,000. 2022-2025. Role: PI.
2. Phase 1 Canadian Cancer Society/ Canadian Institutes of Health Research Action Grant. "Proof-of-Concept of Time-Restricted Eating as a Novel Lifestyle Intervention for Breast Cancer Prevention." CIHR: \$150,000; CCS: \$50,000. 2022-2023. Role: PI. Co-PI: Jenna Gillen (University of Toronto). Co-investigators: Catherine Sabiston (University of Toronto), Sarah Neil-Sztramko (McMaster University), Sasha High (High Metabolic Clinic).
3. Canadian Institutes of Health Research Project Grant. "Quantitative imaging of the evolution of the whole-body fat profile in breast cancer survivors." \$755,440. 2021-2026. Role: Co-PI. PI: Richard Thompson. Co-investigators: Mark Haykowsky (University of Alberta), Michelle Nadler (Princess Margaret Cancer Centre), Carla Prado (University of Alberta), Ian Paterson (University of Alberta), John Mackey (University of Alberta), Edith Pituskin (University of Alberta).
4. Canadian Foundation for Innovation John Evans Leaders Fund. "Understanding and Treating Cancer, Cardiovascular, and Metabolic Disease in Women: A Holistic, Lifestyle Approach." \$477,000. 2022-2027. Role: PI. Co-PI: Jenna Gillen (University of Toronto).
5. Faculty of Kinesiology & Physical Education Faculty Research Grant. "Cardiac (oncology) rehabilitation: Repurposing the cardiac rehabilitation infrastructure to improve cardiac

- function and cardiovascular health for women with early stage breast cancer.” \$10,000; 2021. Role: PI.
6. Canadian Institutes of Health Research Project Grant. “Mechanisms and Management of Functional Capacity in Older Breast Cancer Survivors.” \$555,575. 2022-2027. Role: Co-Applicant. Nominated Principal Applicant: Mark Haykowsky (University of Alberta). Co-Applicants: Ian Paterson, Edith Pituskin, Margie McNeely, Michael Stickland, Richard Thompson, Anil Joy (all University of Alberta).
 7. Alberta Health Services Research and Innovation Grant. "Using a Novel Digital Nutrition, Physical Activity, and Mindfulness Platform for Cancer Prevention." \$200,000. 2022-2023. Role: Co-I. PI: Carla Prado (University of Alberta). Co-I: Doug Klein (University of Alberta), Martin Ferguson-Pell (University of Alberta), Bukola Oladunni Salami (University of Alberta), Nathaniel Maeda (University of Alberta) Steven Johnson (Athabasca University), Sarah Neil-Sztramko (McMaster University), Michelle McKenzie (University of Alberta).
 8. Canadian Cancer Society/ CIHR-ICR Cancer Survivorship Team Grant (National): “The Harmonized Interventions to Maintain health via Appropriate risk factor modification and Lifestyle changes in Pediatric, Adolescent and Young Adult cancer Survivors (HIMALAYAS) trial.” \$2,500,000. 2021-2026. Role: Collaborator. PI: Dinesh Thavendiranathan. Other team members: 30-member pan-Canadian team.
 9. Alternate Funding Program Innovation Fund (Provincial): “The Harmonized Interventions to Maintain health via Appropriate risk factor modification and Lifestyle changes in Adolescent and Young Adult cancer Survivors (HIMALAYAS) study: A Pilot Randomized Controlled Trial.” \$144,555. 2021-2024. Role: Co-I. PI: Dinesh Thavendiranathan. Co-PIs: Paul Oh, David Hodgson, Scott Adams, Husam Abdel-Qadir. Co-Is: Awadalla, P., Brezden-Masley, C., Cafazzo, J., Cifra, B., Duhamel, J., Gupta, A., Ivers, N., Lega, I., Nadler, M., Nathan, P., Price, J., Rac, V., Ross, H.J., Sabiston, C.M., Santa Mina, D. & Woo, A.

Completed

10. Canadian Cancer Society & Canadian Institutes of Health Research Innovation Grant. “Maximizing metastatic breast cancer patient outcomes using diet and exercise.” \$200,000. 2018-2022; Role: Additional author. PI: Carla Prado. Co-PI: Richard Thompson. Co-investigators: Ian Paterson, John Mackey, Kerry Courneya, Edith Pituskin.
 - o While my official title is ‘additional author’ due my non-Faculty status at the time of application, I conceived of and wrote this application and am leading this study.
11. Susan G. Komen (International) Postdoctoral Research Fellowship Grant (direct operating costs). "Short-term lifestyle interventions for cardio-protection from anthracyclines." \$180,000 USD (\$242,000 CAD); 2017-2021. Role: PI. Co-investigators: Richard Thompson, Ian Paterson, John Mackey, Carla Prado, Edith Pituskin, Kerry Courneya.
12. Anita Cochrane Memorial Endowment Fund Award, British Columbia Cancer Foundation (Provincial). “The effects of exercise before doxorubicin infusion on cardiac function in breast cancer patients” (PhD thesis); \$6,840; 2014. Role: Co-I. PI: Karen Gelmon. Co-Investigators: Kristin Campbell, Don McKenzie, Sean Virani.
13. American College of Sports Medicine Foundation (International) Doctoral Student Research Grant. “Cardio-protective effects of exercise during chemotherapy” (PhD thesis); \$5,000; 2013. Role: PI. Co-Investigators: Kristin Campbell, Don McKenzie, Sean Virani. UBC (Institutional) Faculty of Education Graduate Student Research Grant. “Comparison of

aerobic exercise intensity prescription methods among breast cancer patients during and after chemotherapy” (MSc thesis); \$883; 2010. Role: PI. Co-I: Don McKenzie.

PUBLICATIONS & PRESENTATIONS

Note: Trainees for whom I played a substantial supervision/mentorship role are underlined

Peer-reviewed manuscripts

Accepted

1. **Kirkham AA**, Parr EB, Kleckner AS. Cardiometabolic health impacts of time-restricted eating: Implications for type 2 diabetes, cancer, and cardiovascular diseases [Invited review]. *Current Opinion in Clinical Nutrition and Metabolic Care*, Accepted Jul 29, 2022. Impact factor: 4.3.
2. **Kirkham AA**, Jerzak KJ. Prevalence of Breast Cancer Survivors among Canadian Women. *Journal of the National Comprehensive Cancer Network*. Accepted April 18, 2022. Impact factor 11.9.
3. **Kirkham AA**, Pituskin E, Mackey JR, Grenier JG, Paterson DI, Haykowsky MJ, Thompson RB. Longitudinal changes in skeletal muscle metabolism, oxygen uptake, and myosteatosis during cardiotoxic treatment for early-stage breast cancer. *The Oncologist* 2022;Online Ahead of Publication: doi.org/10.1093/oncolo/oyac092. Impact factor: 5.6.
4. **Kirkham AA**, Powers C, Pituskin E. Physical inactivity, adverse body composition, and cardiac function in breast cancer survivors: triple jeopardy? *JACC: Cardio-Oncology* 2022;4 (2) 192–194. Impact factor: 6.2.
5. **Kirkham AA**, Ford KL, Topolnyski J, Ramos Da Silva B, Paterson DI, Prado CM, Joy AA, Boulé NG, Pituskin E, Haykowsky MJ, Thompson RB. Time-Restricted Eating to Reduce Cardiovascular Risk Among Older Breast Cancer Survivors: A Single-arm Feasibility Study. *JACC: Cardio-Oncology* 2022; 4 (2) 276–278. Impact factor: 6.2.
6. Alhumaid W, Small SD, **Kirkham AA**, Becher H, Pituskin E, Prado C, Thompson RB, Haykowsky MJ, Paterson DI. A contemporary review of the effects of exercise training on cardiac structure and function and cardiovascular risk profile: Insights from imaging. *Frontiers in Cardiovascular Medicine* 2022;9:753652. Impact factor: 6.0.
7. Small SD, Bland KA, Rickard JN, **Kirkham AA**. Exercise-based multimodal programming: A treatment gap for older adults with advanced cancer [Invited Commentary]. *Oncologist* 2022;27(1):1-3. Impact factor 5.6.
8. Christensen RAG, **Kirkham AA**. Time-restricted eating: A novel and simple dietary intervention for primary and secondary prevention of breast cancer and cardiovascular disease. *Nutrients* 2021;13(10), 3476. Impact factor 5.7.
9. **Kirkham AA**, King K, Joy AA, Pelletier AB, Mackey JR, Zhu X, Meza-Junco J, Young K, Basi S, Price-Hiller J, Brkin T, Michalowski B, Pituskin E, Paterson DI, Courneya KS, Thompson RB, Prado CM. Rationale and design of the Diet Restriction and Exercise-induced Adaptations in Metastatic Breast Cancer (DREAM) Study: A 2-arm parallel-group phase II randomized control trial of a short-term, calorie-restricted, and ketogenic diet plus exercise during intravenous chemotherapy versus usual care. *BMC Cancer* 2021;21:1093. Impact factor 4.4.
10. Rickard JN, Eswaran A, Small SD, Bonsignore A, Prakosh M, Oh P, **Kirkham AA**. Evaluation of the structure and health impacts of exercise-based cardiac and pulmonary

- rehabilitation and prehabilitation for individuals with cancer: A Systematic review and meta-analysis. *Frontiers in Cardiovascular Medicine* 2021;8:739473. Impact factor 6.0.
11. Yang L, Morielli A, Heer E, **Kirkham AA**, Cheung WY, Usmani N, Friedenreich CM, Courneya KS. Effects of exercise on cancer treatment efficacy: A systematic review of preclinical and clinical studies. *Cancer Research* 2021;81(19):4889-4895. Impact factor: 9.7.
 12. **Kirkham AA**, Haykowsky MJ, Beaudry RI, Grenier JG, Mackey JR, Pituskin E, Paterson DI, Thompson RB. Cardiac and skeletal muscle predictors of impaired cardiorespiratory fitness post-anthracycline chemotherapy for breast cancer. *Scientific Reports* 2021;11:article14005. Impact factor: 4.4.
 13. **Kirkham AA**, Pituskin E, Thompson RB, Mackey JR, Koshman S, Jassal D, Pitz M, Haykowsky MJ, Pagano JJ, Chow K, Tsui AK, Ezekowitz JA, Oudit GY, Paterson DI. Cardiac and cardiometabolic phenotyping of trastuzumab-mediated cardiotoxicity: a secondary analysis of the MANTICORE trial. *European Heart Journal Cardiovascular Pharmacology* 2022;8(2):130-139. Impact factor: 6.6.
 14. Mulvagh SL, Green CR, Levinsson ALE, **Kirkham AA**, Ahmed SB, Dhukai AR, Hart D, Pacheco C, Harvey PJ, Parry M, Hardy M, Foulds HJA, Dumanski SM, Grewal J, Nerenberg KA, Smith G, Mullen KA, Norris CM. The Canadian Women's Heart Health Alliance atlas on the epidemiology, diagnosis, and management of cardiovascular disease in women - Chapter 4: Sex- and gender-unique disparities: CVD across the lifespan of a woman [Invited Review]. *Canadian Journal of Cardiology Open* 2021;4(2):115-132.
 15. **Kirkham AA**, Beka V, Prado CM. The effect of caloric restriction on blood pressure and cardiovascular function: A systematic review and meta-analysis of randomized controlled trials. *Clinical Nutrition* 2020; S0261-5614(20)30340-X. Impact factor: 6.8.
 16. **Kirkham AA**, Paterson DI, Haykowsky MJ, Beaudry R, Mackey JR, Pituskin E, Grenier JG, Thompson RB. Aerobic fitness is related to myocardial fibrosis post-anthracycline therapy. *Medicine & Science in Sports & Exercise* 2021;53(2):267-274. Impact factor: 5.4.
 17. **Kirkham AA**, Gelmon KA, Van Patten CL, Bland KA, Wollmann H, McKenzie DC, Landry T, Campbell KL. Impact of exercise on chemotherapy tolerance and survival in early stage breast cancer: A Nonrandomized Controlled Trial. *Journal of the National Comprehensive Cancer Network* 2020; 18(12):1670-1677. Impact factor: 11.9.
 18. Norris C, Yip C, Nerenberg K, Clavel MA, Pacheco C, Foulds H, Hardy M, Gonsalves C, Jaffer S, Parry M, Colella TJJ, Dhukai A, Grewal J, Price J, Levinsson A, Hart D, Harvey P, Van Spall H, Sarfi H, Sedlak T, Ahmed S, Baer C, Coutinho T, Edwards J, Green C, **Kirkham AA**, Srivaratharajah K, Dumanski S, Keeping-Burke L, Lappa N, Reid R, Robert H, Smith G, Martin-Rhee M, Mulvagh S. State of the science in women's cardiovascular disease: a Canadian perspective on the influence of sex and gender. *Journal of the American Heart Association*. 2020;9(4): e015634. Impact factor: 5.5.
 19. **Kirkham AA**, Goonasekera MV, Mattiello B, Grenier JG, Haykowsky MJ, Thompson RB. Reliability and reproducibility of peak exercise cardiac MRI quantification of peak exercise function with long-axis views. *PlosOne* 2021; 16(2):e0245912. Impact factor: 3.2
 20. **Kirkham AA**, Virani SA, Bland KA, McKenzie DC, Gelmon KA, Warburton DER, Campbell KL. Exercise training affects hemodynamics not cardiac function during chemotherapy. *Breast Cancer Research and Treatment* 2020; 184(1):75-85. Impact factor: 4.9.
 21. Balneaves LG, Truant T, Van Patten CL, **Kirkham AA**, Waters E, Campbell KL. Physician referrals to a lifestyle intervention program for breast cancer patients: The experiences of patients and oncologists. *Journal of Clinical Medicine* 2020;9(9):2815. Impact factor: 4.2.

22. **Kirkham AA**, Pituskin E, Neil-Sztramko SE. Age-dependent increased odds of cardiovascular risk factors in cancer survivors: Canadian Longitudinal Study on Aging cohort. *Current Oncology* 2020;27(4):e368-76. Impact factor: 3.8
23. Larhart IM, Weller SK, **Kirkham AA**. Rising to the challenge: Designing, implementing, and reporting exercise oncology trials in understudied populations [Invited Editorial]. *British Journal of Cancer* 2020;123:173-175. Impact factor: 7.6.
24. Beaudry RI, **Kirkham AA (co-first author)**, Thompson RB, Grenier JG, Mackey JR, Haykowsky MJ. Exercise intolerance in anthracycline-treated breast cancer survivors: The role of skeletal muscle bioenergetics, oxygenation, and composition. *The Oncologist* 2020;25(5):e852-e860. Impact factor: 5.0.
25. **Kirkham AA**. Supervised, multi-modal exercise: the chemotherapy supportive therapy that almost does it all. *The Oncologist* [Invited Commentary]. 2020;25(1):3-5. Impact factor: 5.0.
26. **Kirkham AA**, Bland KA, Zucker DS, Bovard J, Shenkier T, McKenzie DC, Davis MK, Gelmon KA, Campbell KL. ‘Chemotherapy-periodized’ exercise to accommodate for cyclical variation in fatigue. *Medicine & Science in Sports & Exercise* 2020;52(2):278-286. Impact factor: 5.4.
27. Pituskin E, **Kirkham AA**, Cox-Kennett N, Dimitry R, Dimitry J, Paterson DI, Gyenes G. Rehabilitation needs in anti-cancer treatment-related cardiotoxicity [Invited Review]. *Seminars in Oncology Nursing* 2020;36(1):doi.org/10.1016/j.soncn.2020.150986 Impact factor: 2.3.
28. Bland KA, **Kirkham AA**, Bovard J, Shenkier T, Zucker D, McKenzie DC, Davis MK, Gelmon KA, Campbell KL. Effect of exercise on taxane chemotherapy-induced peripheral neuropathy in women with breast cancer: A randomized control trial. *Clinical Breast Cancer*. 2019;19(6):411-422. Impact factor: 3.2.
29. **Kirkham AA**, Beaudry RI, Paterson DI, Mackey JR, Haykowsky MJ. Curing breast cancer and killing the heart: A novel model to explain elevated cardiovascular disease and mortality risk among women with early stage breast cancer [Invited Review]. *Progress in Cardiovascular Diseases* 2019;62(2):116-26. Impact factor: 11.3.
30. **Kirkham AA**, Bland KA, Wollmann H, Bonsignore A, McKenzie DC, Gelmon KA, Van Patten CL, Campbell KL. Maintenance of fitness and quality of life benefits from supervised exercise offered as supportive care for breast cancer. *Journal of the National Comprehensive Cancer Network* 2019;17(6):1-8. Impact factor: 11.9.
31. **Kirkham AA**, Lloyd MG, Claydon VE, Gelmon KA, McKenzie DC, Campbell KL. A longitudinal study of the association of clinical indices of cardiovascular autonomic function with breast cancer treatment and exercise training. *The Oncologist* 2019;24(2):273-84. Impact factor: 5.0.
32. Yang E, **Kirkham AA**, Grenier JG, Thompson RB. Measurement and correction of the bulk magnetic susceptibility effects of fat: application in venous oxygen saturation imaging. *Magnetic Resonance in Medicine* 2019;81(5):3124-37. Impact factor: 4.7.
33. **Kirkham AA**, Pituskin E, Paterson DI. Does cancer affect cardiac function prior to cancer therapy exposure? [Invited Commentary]. *Canadian Journal of Cardiology* 2018; 34(3):234-5. Impact factor: 5.2.
34. **Kirkham AA**, Paterson DI, Prado CM, Mackey JR, Courneya KS, Pituskin E, Thompson RB. Rationale and Design of the Caloric Restriction and Exercise protection from Anthracycline Toxic Effects (CREATE) Study: A 3-arm Parallel Group Phase II Randomized Controlled Trial in Early Breast Cancer. *BMC Cancer* 2018;18:864. Impact factor: 4.4.

35. **Kirkham AA**, Eves ND, Shave RE, Bland KA, Bovard J, Gelmon KA, Virani SA, McKenzie DC, Stöhr EJ, Warburton DER, Campbell KL. The effect of an aerobic exercise session 24 h prior to each doxorubicin treatment for breast cancer on markers of cardiotoxicity and treatment symptoms: a RCT. *Breast Cancer Research and Treatment* 2018;167(3):719-29. Impact factor: 4.9.
36. **Kirkham AA**, Van Patten C, Gelmon KA, McKenzie DC, Bonsignore A, Bland KA, Campbell KL. Effectiveness of oncologist-referred exercise and healthy eating programming as a part of supportive adjuvant care for early breast cancer. *The Oncologist* 2018; 23:105-115. Impact factor: 5.0.
37. **Kirkham AA**, Bonsignore A, Bland KA, McKenzie DC, Gelmon KA, Van Patten C, Campbell KL. Exercise prescription and adherence for breast cancer: One size does not FITT all. *Medicine & Science in Sports & Exercise* 2018;50(2):177-86. Impact factor: 5.4.
38. Bland KA, Neil-Sztramko SE, **Kirkham AA**, Bonsignore A, Van Patten CL, McKenzie DC, Gelmon KA, Campbell KL. Predictors of attendance to an oncologist-referred exercise program for women with breast cancer. *Supportive Care in Cancer* 2018;26(9):3297-3306. Impact factor: 3.6.
39. Campbell KL, Kam JWY, Neil-Sztramko SE, Liu Ambrose T, Handy TC, Lim H, Hayden S, Hsu L, **Kirkham AA**, Gotay CC, McKenzie DC, Boyd LA. Effect of aerobic exercise on cancer-associated cognitive impairment: A proof-of-concept RCT. *Psycho-Oncology* 2018;27(1):53-60. Impact factor: 3.9.
40. **Kirkham AA**, Shave RE, Bland KA, Bovard JM, Eves ND, Gelmon KA, McKenzie DC, Virani SA, Stöhr EJ, Warburton DER, Campbell KL. Protective effects of acute exercise prior to doxorubicin on cardiac function of breast cancer patients: A proof-of-concept RCT. *International Journal of Cardiology* 2017; 245:263-70. Impact factor: 4.2.
41. **Kirkham AA**, Klika RJ, Ballard TM, Downey P, Campbell KL. Effective translation of research to practice: Hospital-based rehabilitation program improves health-related physical fitness and quality of life of cancer survivors. *Journal of the National Comprehensive Cancer Network* 2016;14(12):1555-62. Impact factor: 11.9.
42. **Kirkham AA**, Bland KA, Sayyari S, Campbell KL, Davis MK. Clinically Relevant Physical Benefits of Exercise Interventions in Breast Cancer Survivors [invited review]. *Current Oncology Reports* 2016; 18(2):12. Impact factor: 5.1.
43. **Kirkham AA**, Neil-Sztramko SE, Morgan J, Hodson S, Weller SK, McRae T, Campbell KL. Fee-for-service cancer rehabilitation programs improve health-related quality of life. *Current Oncology* 2016; 23(4):233-40. Impact factor: 3.4.
44. **Kirkham AA**, Neil SE, Morgan J, Hodson S, Weller SK, McRae T, Campbell KL. Health-related physical fitness assessment in a community-based cancer rehabilitation setting. *Supportive Care in Cancer* 2015; 23(9):2525-33. Impact factor: 3.6.
45. **Kirkham AA**, Davis MK. Exercise prevention of cardiovascular disease in breast cancer survivors [review]. *Journal of Oncology*, special issue: "Cancer and Cardiovascular Disease: The Complex Labyrinth" 2015; Article ID 917606. Impact factor: 4.4.
46. **Kirkham AA**, Virani SA, Campbell KL. The utility of cardiac stress testing for detection of cardiovascular disease in breast cancer survivors: A systematic review [review]. *International Journal of Women's Health* 2015;7:127-140. Impact factor: 2.8.
47. **Kirkham AA**, Pauhl KE, Elliot RM, Scott JA, Doria SC, Davidson HK, Neil-Sztramko SE, Campbell KL, Camp PG. Utility of equations to estimate peak oxygen uptake and work rate from a six-minute walk test in patients with COPD in a clinical setting. *Journal of Cardiopulmonary Rehabilitation and Prevention* 2015; 35(6):431-8. Impact factor: 2.1.

48. Neil SE, **Kirkham AA**, Hung SH, Niksirat N, Nishikawa K, Campbell KL. Aerobic capacity and upper limb strength are reduced in women diagnosed with breast cancer: A systematic review. *Journal of Physiotherapy* 2014;60(4):189-200. Impact factor: 7.0.
49. Takacs J, **Kirkham AA**, Brown J, Marriot E, Monkman D, Havey J, Hung S, Campbell KL, Hunt MH. Lateral trunk lean gait modification increases the energy cost of treadmill walking in those with knee osteoarthritis. *Osteoarthritis and Cartilage* 2014;22(2):203-9. Impact factor: 6.6.
50. **Kirkham AA**, Campbell KL, McKenzie DC. Comparison of aerobic exercise intensity prescription methods in breast cancer. *Medicine & Science in Sports & Exercise* 2013;45(8):1443-50. Impact factor: 5.4.
51. Campbell KL, Van Patten CL, Neil SE, **Kirkham AA**, Gotay CC, Gelmon KA, McKenzie DC. Feasibility of a lifestyle intervention on body weight and serum biomarkers in breast cancer survivors with overweight and obesity. *Journal of the Academy of Nutrition and Dietetics* 2012;112(4): 559-67. Impact factor: 4.2.

Under Review

52. **Kirkham AA**, Mackey JR, Thompson RB, Haykowsky MJ, Oudit GY, McNeely M, Coulden R, Stickland M, Dyck J, Haennel R, Pituskin E, Paterson DI. The effect of a multidisciplinary Team Intervention in cArDio-oNcology (TITAN) on cardiac function, cardiovascular risk profile and health-related physical fitness: A randomized controlled trial. *JACC: Cardio-Oncology*, under review. Impact factor 6.2.
53. Thompson RB, **Kirkham AA**, Grenier JG. Imaging Water-Specific T1 and Fat in Skeletal Muscle using PROFIT1 (PROton density Fat-fraction Imaging with water-specific T1 Mapping). *Magnetic Resonance in Medicine*, under review. Impact factor: 4.7.
54. Haykowsky MJ, **Kirkham AA**, Li T, Pituskin E, Thompson RB, Paterson DI, Foulkes SJ, Halle M, Sarma S, Howden E, Nelson MD, La Gerche A. Determinants of Oxygen Utilization in Breast Cancer: Similarities Between Heart Failure With Preserved Ejection Fraction. *Progress in Cardiovascular Diseases*, under review. Impact factor: 11.3.
55. **Kirkham AA**, Ford KL, Ramos Da Silva B, Topolnyski J, Prado CM, Joy AA, Paterson DI, Boulé NG, Pituskin E, Haykowsky MJ, Thompson RB. Implementation of Weekday Time-Restricted Eating to Improve Metabolic Health in Breast Cancer Survivors with Overweight/Obesity. *Obesity*, under review. Impact factor: 5.0.
56. Christensen RAG, Haykowsky MJ, Nadler M, Prado CM, Small SD, Rickard JN, Pituskin E, Paterson DI, Mackey JR, Thompson RB, **Kirkham AA**. Time-restricted eating, sedentary behavior and healthy eating during chemotherapy for breast cancer: A RCT protocol. *Obesity*, under review. Impact factor: 5.0.

Book chapters

1. Campbell KL, **Kirkham AA**. Exercise During Infusion Therapy. In: Schmitz KH, ed. *Exercise Oncology: Prescribing Physical Activity Before and After a Cancer Diagnosis*. New York, NY: Springer; 2020: 165-188.

Published conference abstracts

1. **Kirkham AA**, Topolnyski J, Haykowsky MJ, Paterson DI, Prado CM, Joy AA, Boule M, Ford KL, Pelletier AB, Ramos Da Silva B, Pituskin E, Thompson RB. Weekday 16:8 time-restricted eating in breast cancer survivors: feasibility, safety, and effects on

- cardiometabolic health. *Circulation* 2021; suppl. Virtual poster presentation at American Heart Association, Nov 2021.
2. Ramos Da Silva B, **Kirkham AA**, Topolnyski J, Haykowsky MJ, Paterson DI, Joy AA, Boule N, Ford KL, Pelletier AB, Pituskin E, Thompson R, Prado CM. Time-restricted eating in breast cancer survivors: Effects on energy expenditure and nutritional status. *Clinical Nutrition ESPEN* 2021;46:PS776. Presentation at European Society for Clinical Nutrition and Metabolism Virtual Congress, Sep 2021.
 3. Ramos Da Silva B, **Kirkham AA**, Pagano AP, Pelletier AB, Prado CM. The agreement between resting energy expenditure predictive equations in patients with breast cancer. *Clinical Nutrition ESPEN* 2020;40:602. Poster presentation at the Virtual Congress on Clinical Nutrition & Metabolism, September 2020.
 4. **Kirkham AA**, Doroshuk M, Goonasekera M, Mattiello B, Haykowsky MJ, Beaudry RI, Mackey JR, Paterson DI, Pituskin E, Grenier JG, Thompson RB. Myocardial fibrosis impairs exercise capacity by limiting cardiac output among anthracycline-treated women with breast cancer. *Med Sci Sports Exerc* 2020; 52(7S Suppl 1):331. Conference presentation cancelled due to COVID-19.
 5. **Kirkham AA**, Doroshuk M, Goonasekera M, Mattiello B, Grenier J, Thompson RB. Accelerated real-time free-breathing peak-exercise CMR with long axis views. *International Society for Magnetic Resonance in Medicine (ISMRM) Proceedings*. Conference presentation cancelled due to COVID-19.
 6. Mattiello BC, Thompson RB, Prado CM, Paterson DI, Mackey JR, Courneya KS, Pituskin R, Grenier JG, **Kirkham AA**. Caloric Restriction and Exercise protection from Anthracycline Toxic Effects (CREATE) study: Preliminary effects on secondary cardiovascular outcomes. *Appl Physiol Nutr Metab* 2019; 44(10 (Suppl 2)). Oral presentation at Canadian Society of Exercise Physiology Annual General Meeting, Kelowna, BC, November 2019.
 7. **Kirkham AA**, Bland KA, Gelmon KA, McKenzie DC. Exercise as supportive care has selective benefits for chemotherapy tolerance and weight gain. *Med Sci Sports Exerc* 2019; 51(5S Suppl 1). Poster presented at American College of Sports Medicine Annual General Meeting, Orlando, FL, June 2019.
 8. Bland KA, **Kirkham AA**, Bovard J, McKenzie DC, Davis MK, Shenkier T, Gelmon KA, Zucker D, Campbell KL. Effect of exercise during versus after chemotherapy for breast cancer on fatigue and quality of life. *Med Sci Sports Exerc* 2019; 51(5S Suppl 1). Poster presented at American College of Sports Medicine Annual General Meeting, Orlando, FL, June 2019.
 9. Zdravec K, Bland KA, **Kirkham AA**, Bovard J, McKenzie DC, Davis MK, Shenkier T, Gelmon KA, Zucker D, Campbell KL. Participant adherence during versus post-chemotherapy in the Exercise Influence on Taxane side effects study: A RCT. *Med Sci Sports Exerc* 2019; 51(5S Suppl 1). Poster presented at American College of Sports Medicine Annual General Meeting, Orlando, FL, June 2019.
 10. Van Patten C, **Kirkham A**, Bland K, Bonsignore A, McKenzie D, Gelmon K, Campbell K. Weight trends among women engaging in exercise and nutritional counselling as supportive care during adjuvant breast cancer treatment. *Support Care Cancer* 2019; 27(2 Suppl). Poster presented at Multinational Association of Supportive Care in Cancer Annual Meeting, San Francisco, CA, June 2019.
 11. **Kirkham AA**, Paterson DI, Pituskin E, Grenier J, Yang E, Thompson RB. Skeletal muscle blood flow, oxygen extraction and consumption in women receiving chemotherapy for breast

- cancer. *Med Sci Sports Exerc* 2018; 50(5S Suppl 1). Poster presented at American College of Sports Medicine Annual General Meeting, Minneapolis, MN, June 2018.
12. **Bland KA, Kirkham AA**, Bovard J, Shenkier T, Zucker D, Davis MK, McKenzie DC, Gelmon KA, Campbell KL. Exercise influence on chemotherapy-induced peripheral neuropathy symptoms in women with breast cancer: A proof-of-concept RCT. *Med Sci Sports Exerc* 2018; 50(5S Suppl 1):384. Thematic poster presented at American College of Sports Medicine Annual General Meeting, Minneapolis, MN, June 2018.
 13. **Bland KA**, Lloyd MG, Borrel D, Bovard J, **Kirkham AA**, Shenkier T, Davis MK, McKenzie DC, Claydon VE, Zucker D, Gelmon KA, Campbell KL. Exercise during taxane chemotherapy improves indices of cardiovascular autonomic function in women with breast cancer. Oral presentation at the Exercise Sport Science Australia Annual Meeting, Brisbane, Australia, March 28, 2018.
 14. **Kirkham AA**, **Bland KA**, McKenzie DC, Eves ND, Campbell KL. “Showing up” to exercise program is most important factor in mitigating chemotherapy-related deterioration in VO_{2peak} in women with breast cancer. *Appl Physiol Nutr Metab* 2017; 42(10 (Suppl 2):S82. Poster presentation at Canadian Society of Exercise Physiology Annual General Meeting, Winnipeg, MB, October 2017.
 15. **Bland KA**, **Kirkham AA**, Bovard J, **Lloyd M**, Shenkier T, Davis MK, Zucker D, Claydon VE, Gelmon KA, McKenzie DC, Campbell KL. “Chemotherapy-periodized” aerobic exercise for women with breast cancer: A novel exercise prescription to account for fluctuations in fatigue. *Appl Physiol Nutr Metab* 2017; 42(10 (Suppl 2):S61. Oral presentation at Canadian Society of Exercise Physiology Annual General Meeting, Winnipeg, MB, October 2017.
 16. Yang EH, **Kirkham AA**, Thompson RB. Measurement and correction for the magnetic susceptibility effects of fat in venous oximetry: Application in the quantification of muscle oxygen consumption (VO_2) with plantar flexion exercise. *International Society for Magnetic Resonance in Medicine (ISMRM) Proceedings*. Poster presented at the ISMRM Annual Meeting, Honolulu, HI, May 2017.
 17. **Kirkham AA**, Campbell KL, McKenzie DC. Breast cancer- and metabolic-related predictors of VO_{2peak} amongst active post-menopausal women. *Med Sci Sports Exerc* 2017; 49(5S Suppl 1):272. Poster presented at American College of Sports Medicine Annual General Meeting, Denver, CO, June 2017.
 18. **Rowe S**, **Kirkham AA**, **Bland KA**, Van Patten CL, Bonsignore A, McKenzie DC, Gelmon KA, Campbell KL. Feasibility of supervised aerobic interval exercise training following treatment for breast cancer. *Med Sci Sports Exerc* 2017; 49(5S Suppl 1):271. Poster presented at American College of Sports Medicine Annual General Meeting, Denver, CO. June 2017.
 19. **Bland KA**, **Kirkham AA**, Van Patten CL, **Wollmann H**, Bonsignore A, McKenzie DC, Gelmon KA, Campbell KL. Supervised exercise as supportive care for breast cancer patients: Improvements in physical fitness. *Med Sci Sports Exerc* 2017; 49(5S Suppl 1):334-335. Thematic poster presented at American College of Sports Medicine Annual General Meeting, Denver, CO. June 2017.
 20. **Wollmann HM**, **Kirkham AA**, Van Patten CL, **Bland KA**, Bonsignore A, McKenzie DC, Gelmon KA, Campbell KL. Does supervised exercise programming at diagnosis impact future physical activity levels in breast cancer survivors? *Med Sci Sports Exerc* 2017; 49(5S Suppl 1):896. Poster presented at American College of Sports Medicine Annual General Meeting, Denver, CO. June 2017.
 21. **Kirkham AA**, Shave RE, Eves ND, McKenzie DC, Gelmon K, Warburton DER, Virani SA, Campbell KL. Moderate exercise training prevents doxorubicin-related deterioration of

- subclinical marker of cardiac dysfunction in breast cancer. *Appl Physiol Nutr Metab* 2016 41(9 Suppl 4):S367. Poster presented at Canadian Society of Exercise Physiology Annual General Meeting, Victoria, BC, October 14, 2016.
22. **Bland KA, Kirkham AA**, van Patten CL, Bonsignore A, McKenzie DC, Gelmon KA, Campbell KL. Changes in quality of life among women engaging in exercise programming as a part of supportive care during and post adjuvant breast cancer treatment. *Appl Physiol Nutr Metab* 2016 41(9 Suppl 4):S343. Poster presented at Canadian Society of Exercise Physiology Annual General Meeting, Victoria, BC, October 14, 2016.
 23. **Wollmann HM, Kirkham AA**, van Patten CL, Bonsignore A, McKenzie DC, Gelmon KA, Campbell KL. Comparison of strength improvements during and post adjuvant breast cancer treatment. *Appl Physiol Nutr Metab* 2016 41(9 Suppl 4):S397. Poster presented at Canadian Society of Exercise Physiology Annual General Meeting, Victoria, BC, October 13, 2016.
 24. **Kirkham AA**, Shave R, Stöhr E, Gelmon K, Eves ND, McKenzie DC, Warburton DER, Virani SA, Campbell KL. The effect of exercise 24 hours before chemotherapy on cardiac function and symptoms in breast cancer. *Med Sci Sports Exerc* 2016; 48(5S Suppl 1):831. Poster presented at American College of Sports Medicine Annual General Meeting, Boston, MA. June 3, 2016.
 25. **Bland KA, Kirkham AA**, van Patten CL, Neil-Sztramko SE, Bonsignore A, Gelmon KA, McKenzie DC, Campbell KL. Patient-reported Barriers to Exercise and Predictors of Exercise Adherence During Adjuvant Chemotherapy for Breast Cancer. *Med Sci Sports Exerc* 2016; 48(5S Suppl 1):333. Thematic poster presented at American College of Sports Medicine Annual General Meeting, Boston, MA. June 2, 2016.
 26. **Rafn BS, Kirkham A**, Klika R, Downey P, Ballard T, Campbell KL. The effect of a clinical cancer rehabilitation program on arm function and quality of life in breast cancer survivors. *Support Care Cancer* 2015; 23(Suppl 1):300. Poster presented at International Annual Meeting on Supportive Care in Cancer, Copenhagen, Denmark, June 27, 2015.
 27. Klika R, **Kirkham A**, Campbell K, Downey P, Ballard T. Evaluation of the Strides to Strength™ cancer rehabilitation program. *Med Sci Sports Exerc* 2015; 47(5S):315-316. Poster presented at American College of Sports Medicine Annual General Meeting, San Diego, CA. May 28, 2015.
 28. **Kirkham AA**, Morgan J, Hodson S, McRae T, Campbell KL. Assessment of a series of physical fitness tests in a community-based cancer rehabilitation setting. *Med Sci Sports Exerc* 2014;46(5 Suppl):127. Thematic poster presented at American College of Sports Medicine Annual General Meeting, Orlando FL; May 28, 2014.
 29. **Hung SH**, Neil SE, **Kirkham AA**, Niksirat N, Campbell, KL. Physical function in breast cancer survivors: A systematic review and comparison to healthy normative data. *Med Sci Sports Exerc* 2014;46(5 Suppl):382. Poster presented at American College of Sports Medicine World Congress on Exercise is Medicine, Orlando FL; May 29, 2014.
 30. **Kirkham AA**, Morgan J, Hodson S, McRae T, Campbell KL. Urban cancer-specific community exercise programs: Who enrolls and what changes occur? *Med Sci Sports Exerc* 2014;46(5 Suppl):366. Poster presented at American College of Sports Medicine World Congress on Exercise is Medicine, Orlando FL; May 29, 2014.
 31. Campbell KL, Kam J, Boyd LA, Handy TC, Lim H, Hayden S, Hsu L, Neil SE, **Kirkham AA**, Gotay CC, McKenzie DC, Liu-Ambrose T. Effect of exercise on cancer-associated cognitive dysfunction: A proof-of-concept randomized controlled trial. *J Clin Oncol* 32(15 Suppl):9583. Poster presented at the Annual Meeting of the American Society of Clinical Oncology, Chicago USA, May 30-June 3, 2014.

32. Tacaks J, **Kirkham AA**, Campbell KL, Hunt M. Lateral trunk lean gait modification increases the energy cost of walking in those with knee osteoarthritis. International Society for Gait and Posture Annual Meeting Proceedings. Poster presented at the International Society for Gait and Posture Annual Meeting, Vancouver, Canada, June 29, 2014.
33. **Kirkham, AA**, Virani SA, Campbell KL. The utility of exercise or pharmacological stress in identifying cardiac damage in breast cancer survivors. *Med Sci Sports Exerc* 2013;45(5 Suppl 1):215. Thematic poster presented at American College of Sports Medicine Annual General Meeting, Indianapolis, IN; May 30, 2013.
34. Campbell KL, Kam JWY, Hayden S, Neil SE, **Kirkham AA**, Handy TC, Boyd LA, Lui-Ambrose TYL. Does cardiorespiratory fitness influence cognitive function in breast cancer survivors reporting cancer-related cognitive changes? *Med Sci Sports Exerc* 2013;45(5 Suppl 1):213. Thematic poster presented at American College of Sports Medicine Annual General Meeting, Indianapolis, IN; May 30, 2013.
35. **Kirkham AA**, Campbell KL, McKenzie DC. Comparison of aerobic intensity prescription methods in breast cancer patients and survivors. *Med Sci Sports Exerc* 2011;43(5 Suppl):S7. Thematic poster presented at American College of Sports Medicine Annual General Meeting, Denver, CO; June 2011.
36. **Kirkham AA**, Neil SE, Campbell KL, McKenzie DC. An easy method for adjusting heart rate targets to account for training adaptations throughout exercise interventions with breast cancer survivors. *Appl Physiol Nutr Metab* 2010;35(S1). Poster presented at Canadian Society of Exercise Physiology Annual General Meeting, Toronto, ON; Nov. 2010.
37. Feehan L, Li LC, MacIntyre D, Harris S, **Kirkham A** and the Osteo-Fx Review Team. Exercise program elements deemed important by physiotherapists in exercise prescription following osteoporotic fracture. *Arthritis and Rheumatism*, 2010;60(10 Suppl):1882. Poster presented at American College of Rheumatology & Association of Rheumatology Health Professionals Annual Scientific Meeting, Atlanta, GA Nov, 2010.
38. **Kirkham AA**, Campbell KL, Jespersen DK and McKenzie DC. Exercise intensity prescription for women with breast cancer undergoing chemotherapy. *Appl Physiol Nutr Metab* 2009;34(S1):S48-S49. Oral presentation at Canadian Society of Exercise Physiology Annual General Meeting, Vancouver, BC: Nov. 2009.

Unpublished conference presentations (presenter is first author)

39. Dojutrek A, Rickard JN, **Kirkham AA**. Physical activity, cardiorespiratory fitness, and sedentary time as predictors of cardiovascular risk in breast cancer survivors. Oral Presentation at The 22nd Annual Bertha Rosenstadt National Undergraduate Research Conference, April 1, 2022, Toronto, ON.
40. **Kirkham AA**, Prado CM, Paterson DI, Courneya KS, Pituskin E, Thompson RB. Feasibility of translating cardio-protective acute exercise and caloric restriction interventions from rodents to patients. Poster presentation at Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies Conference. Virtually hosted by MD Anderson, Houston, TX, July 2021.
41. Mattiello BC, Thompson RB, Prado CM, Paterson DI, Mackey JR, Courneya KS, Pituskin R, Grenier JG, **Kirkham AA**. Caloric Restriction and Exercise protection from Anthracycline Toxic Effects (CREATE) study: Preliminary effects on secondary cardiovascular outcomes. Oral and poster presentation at Cancer Research Institute of Northern Alberta Research Day, Edmonton, AB, Nov 2019.

42. Li N, **Kirkham AA**, Brotto A, Stickland M, Pituskin E, Paterson DI. Pulmonary consequences of anthracycline and trastuzumab treatment for early-stage breast cancer. Poster presented at Women and Children's Health Research Institute Research Day, Edmonton, AB. Nov 2019.
43. Goonasekera M, Thompson RB, Courneya K, Prado C, Mackey J, Paterson DI, Pituskin E, **Kirkham AA**. A biopsychosocial perspective: Relationships between quality of life, treatment symptoms and cardiorespiratory fitness in women receiving chemotherapy for breast cancer. Poster presented at Women and Children's Health Research Institute Research Day, Edmonton, AB. Nov 2019.
44. **Kirkham AA**, Pituskin E, Thompson RB, Mackey JR, Koshman S, Jassal D, Pitz M, Haykowsky MJ, Pagano J, Chow K, Vos LJ, Ghosh S, Oudit G, Ezekowitz JA, Paterson DI. Beta-blockers preserve left ventricular myocardial and right ventricular ejection fraction during trastuzumab for breast cancer relative to ACE-inhibitors and placebo. Oral presentation at University of Alberta Department of Medicine Research Day, Edmonton, AB. June 2019.
45. Rickard J, Thompson RB, Haykowsky MJ, Beaudry R, Mackey JR, Paterson DI, Pituskin E, **Kirkham AA**. Myocardial fibrosis and reduced resting myocardial function are associated with exercise intolerance in anthracycline-treated breast cancer survivors. Oral presentation at Cardiac Sciences Research Day, Edmonton, AB. June 2019.
46. **Kirkham AA**, Xu L, Wang H, Chow K, Pagano J, White J, Haykowsky MJ, Dyck J, Ezekowitz J, Oudit G, Mackey J, Thompson RB, Pituskin E, Paterson DI. Breast cancer diagnosis is associated with relative left ventricular hypertrophy. Poster presented at San Antonio Breast Cancer Symposium, San Antonio, TX, Dec 2018.
47. **Kirkham AA**, Paterson DI, Pituskin E, Grenier J, Thompson RB. Changes in skeletal muscle metabolism, mass and strength with receipt of cardiotoxic breast cancer treatments. Poster presented at Okanagan Cardiovascular and Respiratory Symposium, Silver Star, BC, March 2018.
48. Bland K, Lloyd M, Borrel D, Bovard J, **Kirkham A**, Shenkier T, Davis M, McKenzie D, Claydon V, Zucker D, Gelmon K, Campbell KL. Exercise during taxane chemotherapy for breast cancer improves indices of cardiovascular autonomic function. Poster presented at Exercise and Sport Science Australia: Research to Practice, Brisbane, AUS, March 2018.
49. Doroshuk M, **Kirkham AA**, Paterson DI, Pituskin EN, Thompson RB. Magnetic resonance imaging-derived left ventricular strain changes with cardiotoxic breast cancer treatment. Poster presentation at Research Revealed: Undergraduate Forum for Kinesiology, Exercise Science, Sport Studies and Recreation, Calgary, AB, March, 2018.
50. **Kirkham AA**, Paterson DI, Mackey J, Prado, C, Courneya KS, Pituskin E, Thompson RB. Caloric Restriction and Exercise protection from Anthracycline Toxic Effects: (CREATE) Study. Mini-oral and poster presentation at Cancer Research Institute of Northern Alberta Research Day, Edmonton, AB, Nov 2017.
51. Neil-Sztramko SE, **Kirkham AA**. Patterns of health lifestyle factors amongst those with cancer, cancer survivors, and those without cancer: findings from the 2013-14 Canadian Community Health Survey. Poster presented at Canadian Cancer Research Conference, Vancouver, BC, November 2017.
52. Bland KA, **Kirkham AA**, Bovard J, Lloyd M, Shenkier T, Davis MK, Zucker D, Gelmon KA, McKenzie DC, Claydon VE, Campbell KL. Influence of supervised exercise during versus after taxane chemotherapy for breast cancer on quality of life. Poster presented at Canadian Cancer Research Conference, Vancouver, BC, November 2017.

53. Christiansen J, **Kirkham AA**, Pituskin EN, Paterson DI, Thompson RB. The effect of chemotherapy and trastuzumab on skeletal muscle quality of breast cancer patients. Poster presentation at Research Revealed: Undergraduate Forum for Kinesiology, Exercise Science, Sport Studies and Recreation, Edmonton, AB, March, 2017.
54. **Kirkham AA**, Eves ND, McKenzie DC, Shave RE, Stöhr EJ, Gelmon K, Warburton DER, Virani SA, Campbell KL. Cardio-protection from a single exercise session performed 24 hours prior to doxorubicin treatment in breast cancer patients. Poster presented at Global Cardio-Oncology Summit, Vancouver, BC, October 2016.
55. **Kirkham AA**, Lloyd MG, Gelmon K, Claydon VE, Van Patten C, Campbell KL. Resting heart rate and blood pressure changes during and after chemotherapy for breast cancer concurrent to exercise training. Poster presented at the Global Cardio-Oncology Summit, Nashville, TN, October 2015.
56. Lloyd MG, **Kirkham AA**, Claydon VE, Campbell KL. Resting heart rate and blood pressure changes during adjuvant treatment for breast cancer. Poster presented at the International Society for Autonomic Neuroscience, Italy, September 2015.
57. Balneaves LG, Truant TLO, Campbell KL, Van Patten C, Waters E, **Kirkham A**. Patients and oncologist' perspectives on physician referrals to a lifestyle intervention program. Poster presentation at the 12th International Conference of the Society for Integrative Oncology. Boston, MA, USA. November 2015.
58. **Kirkham AA**, Pauhl KE, Elliot R, Scott JA, Doria S, Davidson HK, Campbell KL, Camp PG. Utility of equations that estimate peak oxygen consumption and work rate from the six-minute walk test in patients with COPD. Poster presented at Heart and Lung Fest, Vancouver, BC, February 2014.

Invited Presentations

1. **Kirkham AA**, Prado CM. "The Science and Implementation of Time-restricted Eating as a Novel Tool for Cardiovascular Disease and Cancer." Canadian Nutrition Society Annual Conference, Gatineau Quebec, May, 2022.
2. **Kirkham AA**. "Exercise Prescription Considerations During and After Cancer Treatment" in event "Practical Exercise Prescription Post Diagnosis", Kinesiology Association of Saskatchewan, virtual, May 2022.
3. Dieli-Conwright CM, **Kirkham AA**. "Metabolic Dysfunction in Cancer: Characterizing a Silent Treatment Toxicity and the Impact of Lifestyle Interventions." Tutorial at American College of Sports Medicine Annual Meeting, San Diego, CA, May 31 – June 4, 2022.
4. **Kirkham AA**. "Cardiotoxicity: Novel Insights on Etiology and Lifestyle Therapies." O'Neil Comprehensive Cancer Center at the University of Alabama at Birmingham. Nov 2021.
5. **Kirkham AA**. "Feasibility of Translating Cardio-Protective Acute Exercise and Caloric Restriction Interventions From Rodents to Patients." Translating Energy Balance from Bench to Communities: Application of Parallel Animal-Human Studies Conference. Virtually hosted by MD Anderson, Houston, TX, July 2021.
6. **Kirkham AA**. "Cardiometabolic Risk After Cancer Treatment: Novel Mechanisms and Lifestyle Therapies." Department of Medical Oncology and Hematology Grand Rounds, Princess Margaret Cancer Centre, Toronto, ON, April 2021
7. **Kirkham AA**. "Cardiovascular Risk in Cancer: Pre-Cancer, Cancer Treatment-related and Lifestyle Toxicity Risks" in Symposium "Exercise Management of Cardiovascular Risk in Cancer Populations." Co-presenters: Peter Brubaker (NC, US), Mark Haykowsky (AB, CA)

- and Paul Oh (ON, CA). Symposium at American College of Sports Medicine Exercise is Medicine World Congress, Virtual, June 2021.
8. **Kirkham AA.** “Understanding and Treating Cardiovascular Risk in Women with Breast Cancer.” Sunnybrook Health Sciences Centre Breast Site Presentation, Toronto, ON, Nov 2020.
 9. **Kirkham AA.** “Exercise Magnetic Resonance Imaging: A Novel Tool to Uncover Occult Cardiovascular Dysfunction.” Cardiovascular Research Centre Seminar, Edmonton, AB, Dec 2019.
 10. **Kirkham AA.** “Exercise and Diet as Protection from Cardiotoxicity.” Exercise is Medicine Symposium, Copenhagen, Denmark, Nov 2019
 11. **Kirkham AA.** “Optimizing exercise efficacy: Cancer-specific exercise intervention considerations” in Symposium “ Exercise Oncology: Novel Research and Implementation Approaches Spanning Cancer Biology to Public Health.” Co-presenters: Kerry Courneya (AB, CA) and Sarah Neil-Sztramko (ON, CA)). Symposium at Canadian Society of Exercise Physiology Annual Meeting, Kelowna, Canada, Nov 2019
 12. **Kirkham AA.** “Prescribing exercise and diet during chemotherapy: Feasibility and efficacy of short-term interventions that capitalize on the effect of timing relative to treatment.” Northern Alberta Breast Cancer Program Retreat, Edmonton, AB, October 2019
 13. **Kirkham AA,** Pituskin E, Paterson DI. “The Edmonton Cardio-Oncology Clinical Program: Past, Present and Future.” Cross Cancer Institute Grand Rounds, Sept 2019
 14. **Kirkham AA.** “Beta-blockers preserve left ventricular myocardial and right ventricular ejection fraction during trastuzumab for breast cancer relative to ACE-inhibitors and placebo.” University of Alberta, Department of Medicine Research Day, June 2019
 15. **Kirkham AA.** “Putting it all Together: Designing Clinical Trials to Test the Effect of Exercise on Cancer Response to Therapy” in Symposium “Exercise is Cancer Medicine: How do we Prove it? Breaking Down the Barriers to Translational Research in Humans.” Co-presenters: Kathryn Schmitz (PA, US), Dietmar Siemann (FL, US); Allison Betof Warner (NY, US); Neil Iyengar (NY, US)). Symposium at American College of Sports Medicine Annual Meeting, Orlando, FL, June 1, 2019
 16. **Kirkham AA.** “Emphasizing the ‘Multiple’ in Multi-disciplinary: Exercise As a Single Tool in the Cancer Care Toolbox” in Symposium “Is Exercise Enough?: Leveraging Trans-disciplinary Approaches to Enhance Cancer Survivorship.” Co-presenters: Wendy Demark-Wahnefried (AL, US); Karen Mustian (NY, US); Bonnie Spring (IL, US)). Symposium at American College of Sports Medicine Annual Meeting, Orlando, FL, June 1, 2019
 17. **Kirkham AA.** “Taxane chemotherapy side effects and the role of exercise”; Medical Oncology Rounds, Cross Cancer Institute, Edmonton, AB, October 2018
 18. **Kirkham AA.** “Acute exercise and diet interventions for protecting healthy cells and sensitizing cancer cells: Updates and future directions.” Northern Alberta Breast Cancer Program Retreat, Edmonton, AB, October 2018
 19. **Kirkham AA.** “Effectiveness of exercise programming for cancer survivors in clinical and community settings: How does it compare to randomized trials?” in Symposium “Exercise for cancer survivors in the real world: Translating research to practice.” Co-presenters: Joachim Wiskermann (Germany), Maïke Sweegers (The Netherlands), Anna Campbell (Scotland). Symposium at American College of Sports Medicine Annual Meeting, Minneapolis, MN, June 1, 2018

20. **Kirkham AA**, Haykowsky MJ. “Exercise in Cardio-Oncology: The relationship between exercise and cancer treatment-related cardiotoxicity.” Tutorial at the American College of Sports Medicine World Congress on Exercise is Medicine, Minneapolis, MN, May 30, 2018
21. **Kirkham AA**. “Use of Biomedical Imaging and Nutrition to Increase the Impact of Exercise Oncology Research.” Cancer Special Interest Group Meeting at American College of Sports Medicine Annual Meeting, Minneapolis, MN, May 30, 2018
22. **Kirkham AA**. “Maximizing the impact of exercise and diet on breast cancer outcomes.” Susan G. Komen Breast Cancer Challenge Semi-finalist, Obesity & Cancer Section Meeting at Obesity Week 2017, Washington, DC, November 2017
23. **Kirkham AA**. “Exercise and diet as adjunct therapy for breast cancer”; Northern Alberta Breast Cancer Program Retreat, Edmonton, AB, October 2017
24. **Kirkham AA**. “Longitudinal strain imaging by magnetic resonance is a sensitive predictor of cardiotoxicity caused by breast cancer therapies.” Alberta Imaging Symposium, Edmonton, AB, May 2017
25. **Kirkham AA**. “Good days and bad days: Tailoring aerobic exercise prescription to chemotherapy” in Symposium “Back to basics: Applying training principles for effective exercise prescription in cancer patients.” Co-presenters: Kathryn Schmitz (USA), Prue Cormie (Australia), Joachim Wiskermann (Germany). Symposium at American College of Sports Medicine Annual Meeting, Boston, MA, June 2016
26. **Kirkham AA**. “Exercise therapy for breast cancer treatment side effects.” Pharmaceutical Outcomes & Policy Innovations Seminar, UBC; Vancouver, BC, May 2015
27. **Kirkham AA**. “The role of acute and chronic exercise in cardio-protection from anthracycline chemotherapy for breast cancer.” Lions Gate Hospital Community Chemotherapy Centre; North Vancouver, BC; September 2014
28. **Kirkham AA**. “Exercise is medicine: The benefits of exercise during cancer treatment.” Burnaby General Hospital Community Chemotherapy Centre; Burnaby, BC; August 2014
29. **Kirkham AA**. “Exercise for cancer survivors: What does it look like outside research?” School of Health and Social Care, University of Surrey (satellite location); Glasgow, Scotland; July 2014
30. **Kirkham AA**. “Assessment and prescription in exercise oncology.” Atrium Health Ltd. Cardiac Rehabilitation, Centre for Exercise and Health; Coventry, England; July 2014
31. **Kirkham AA**. “Exercise cardio-protection from chemotherapy for breast cancer.” School of Sport, Cardiff Metropolitan University; Cardiff, Wales; June 2014
32. **Kirkham AA**. “Exercise cardio-protection from breast cancer anthracycline-induced cardiotoxicity.” British Columbia Cancer Agency Vancouver Centre; Vancouver, BC; May 2014
33. **Kirkham AA**. “Prescription of exercise intensity in breast cancer and beyond.” StepUp 2013, April 2013

TEACHING

Graduate

1. Instructor & Designer, MPK4002 – “Biophysical Assessment and Intervention”, Faculty of Kinesiology & Physical Education, University of Toronto (2022-present)
2. Instructor & Designer, KIN5543 – “Lifestyle Toxicity and Chronic Disease”, Faculty of Kinesiology and Physical Education, University of Toronto (2020, 2021)
3. Instructor, PHTH 517 – “Exercise and Movement I” (lecture), UBC Department of Physical Therapy (Fall 2015)

4. Instructor, PHTH 527 - “Exercise and Movement II” (lab), UBC Department of Physical Therapy (Winter 2015)
5. Clinical Skills Assistant, PHTH 514 – “Clinical Skills I” (emergency care, athletic taping, cardiorespiratory examination, and exercise testing labs), UBC Department of Physical Therapy (Fall 2010-2015)

Undergraduate

5. Instructor & Designer, KPE464 – “Clinical Exercise Testing and Prescription”, Faculty of Kinesiology and Physical Education, University of Toronto (2021, 2022)
6. Instructor & Designer, KPE472 – “Lifestyle Toxicity and Chronic Disease”, Faculty of Kinesiology and Physical Education, University of Toronto (2020)
7. Teaching Assistant, International Summer School - “Recovery from Injury and Disease” and “Exercise is Medicine” (facilitated labs) UBC Faculty of Medicine (2015)
8. Guest Lecturer, KINE 469 - “Exercise Prescription”; UBC School of Human Kinetics (2011)
9. Teaching Assistant, KINE 103 – “Active Health” (Delivered lecture and supervised laboratory sessions), UBC School of Human Kinetics (2010)
10. Teaching Assistant, KINE 190 – “Anatomy and Physiology I” (Delivered lecture and supervised laboratory sessions), UBC School of Human Kinetics (2008 & 2009)

SUPERVISION AND MENTORSHIP

Graduate

1. Primary supervisor, MSc, Julia Rickard (Sept 2020- present)
2. Primary supervisor, PhD, Stephanie Small (Sept 2021- present)
3. Committee member, PhD, Alexa Govette (Dec 2021-present)

Graduate – Internship or Exchange

4. Co-supervisor, PhD exchange from Brazil, Bruna Ramos Da Silva (full-time Jan 2019-Jul 2021)
5. Supervisor, UAlberta Graduate Student Internship Program (paid), Andrew Brotto (MSc Kinesiology candidate, 5 h/wk, October 2017-Dec 2019)
6. Supervisor, UAlberta Graduate Student Internship Program (paid), Sara Nejatnamini (Nutrition PhD candidate, 10 h/wk, May-Dec 2018)

Undergraduate – Competitively Funded

4. Supervisor, Undergraduate Research Opportunity Program Award, Alexandra Dojutrek (May-Sep 2022)
5. Co-supervisor, UAlberta Undergraduate Research Initiative Awardee, Ashley Turner (May-Sept 2021)
6. Co-supervisor, Alberta Innovates Health Solutions Summer Research Internship, Rakhbeer Boparai (May-June 2021)
7. Supervisor, UAlberta Undergraduate Research Initiative, Jordan Topolnyski (May-Sept 2020)
8. Supervisor, UAlberta Kinesiology Human Performance Fund Awardee, Jordan Topolnyski (May-Sept 2020, presented her work at provincial conference)
9. Supervisor, UAlberta Kinesiology Human Performance Fund Awardee, Brenna Mattiello (May-Aug 2019, presented her work at national conference)
10. Co-supervisor, UBC Faculty of Medicine Summer Research Awardee, Sean Nugent (Jun-Aug 2014, currently in medical school)

Undergraduate/Graduate – Degree Requirements

11. Supervisor, KPE390 Y Directed Research Course, Alexandra Dojutrek (Sep 2021-Apr 2022)
12. Co-supervisor, KIN399 Y Directed Studies Course, Jordan Topolnyski (Sep 2020-Apr 2021)
13. Supervisor, UAlberta Practicum Placement for undergraduate Kinesiology (full-time):
 - Jordan Topolnyski (Jan-Apr 2020, presented work at provincial conference)
 - Brenna Mattiello (Sep-Dec 2019, presented work at local and national conference, co-authored two abstracts and one manuscript)
 - Nicholas Li (May-Aug 2019, presented work at local conference)
 - Julia Rickard (Jan-Apr 2019, presented work at local conference, currently in MSc program at U of T)
 - Jessica Hoskins (Sep-Dec 2018)
 - Gregory Farmer (May-Aug 2018)
 - Kimberly Brennan (Jan-Apr 2018)
 - Marissa Doroshuk (Sep-Dec 2017, presented work at provincial conference, currently in MSc program at UCalgary)
 - Jillian Christiansen (Jan-Apr 2017, presented work at local conference)
14. Supervisor, UBC Masters of Physical Therapy group research projects (guided from conception of project to publication):
 - “Metabolic Cost of Trunk Lean Walking for Arthritis” (2012-2013)
 - “Can the 6-minute Walk Test Predict VO₂peak in COPD patients?” (2012-2013)

Research Staff

4. Supervisor, Research Coordinator, Rachel Sherrington (Full-time, Aug 2021-present)
5. Supervisor, U of T Work Study Program,
 - Marc Sicova, (12 h/wk, May-Aug 2021)
 - Arun Eswaran, (10 h/wk, Sep 2020-Feb 2021)
 - Daniel Kim, (10 h/wk, Sep 2020-Feb 2021)
6. Supervisor, Research Coordinator, Andre Pelletier (Full-time, May 2019-Jul 2021)
7. Supervisor, Research Assistant, Michelle Goonasekera (30-35 h/wk Dec 2018-Jul 2020)
8. Supervisor, Research Technician, Marissa Doroshuk (20-37.5 h/wk May 2018-Aug 2019)
9. Supervisor, Research Assistant, Brenna Mattiello (20 h/wk, May-August 2019)
10. Supervisor, UAlberta Post Graduate Work Experience Placement (paid), Jenna Wowdzia (Full-time, Jan-Mar 2019, currently in Kinesiology MSc program)
11. Co-supervisor, UBC Work Learn Program (10 h/wk of research assistant work):
 - Chris Grellman (Kinesiology, Sep 2014-Apr 2015)
 - Nima Omid-Fard (Kinesiology, Sept 2014-Jun 2015, completed medical school)
 - Cristina Trasolini (Kinesiology, May 2014-April 2015)
 - Kortni Pelli (Kinesiology, 2013-2014)

Undergraduate Research Volunteers

12. Supervisor of undergraduate volunteers at University of Toronto:
 - Olivia Lee (Kinesiology, McMaster University, May-Aug 2022)
13. Supervisor of undergraduate volunteers at University of Alberta (range of 3-10 h/wk):
 - Jordan Topolnyski (Kinesiology, UAlberta, Sep-Dec 2019)
 - Ashley Turner (Science, UAlberta, Oct 2019-present)

- Vanesa Beka (Nursing, UAlberta, Apr 2017-Sep 2019, co-author on publication)
 - Chiu Tung (Kinesiology, UAlberta, October 2018-Apr 2019)
 - Hanna Hruczowski (Science, UAlberta, May-Nov 2017)
13. Supervisor of undergraduate volunteers at UBC (range of 3-30 h/wk):
- Bavenjit Cheema (Kinesiology, UBC, Sept 2014 -Apr 2015, completed medical school)
 - Savanna Rowe (Kinesiology, UBC, Jan 2015-Apr 2017, presented our work at international conference & completed Physical Therapy program)
 - Hannah Kapur (Physiology, McGill, May-Aug 2015, currently in medical school)
 - Simran Parmar (Kinesiology, UBC, Sep 2015-Feb 2016, completed medical school)

Formal mentorship

14. Mentor, UBC Kinesiology Mentorship Program, Sarah Sayyari, (2014-2015, completed MSc)
15. Mentor, UBC Kinesiology Mentorship Program, Shaolin Rahman (2013-2014, currently working in health care)
16. Mentor, Tri-council Graduate Student Applications, Rehabilitation Sciences Graduate Program, UBC (2012-2016)

ADVANCED ACADEMIC COURSES

1. Libin Cardiovascular Institute of Alberta International Trainee Symposium: Research is Better with Sex and Gender (2 days, Banff, Alberta, 2020)
2. Career Advancement and Leadership Skills for Women in Healthcare, Harvard Medical School (3 days, Boston, MA, 2018)
3. Analyzing Repeated Measures Data: ANOVA And Mixed Model Approaches, The Analysis Factor (8 wk, online, 2016)
4. International Intensive Graduate Course In Exercise & Clinical Physiology, Concordia University, (5 days, Montreal, QC, 2010)
5. Cardiovascular Ultrasound in Sport and Exercise Sciences, UBC-Okanagan, (5 days, Kelowna, BC, 2010)
6. Instructional Skills for Graduate Students, Teaching and Academic Growth (4 days, Vancouver, BC, 2010)
7. Publication and Grant Writing Workshop, CIHR Quality of Life Training Program in Rehabilitation Research, (5 days, Vancouver, BC, 2010)

CERTIFICATIONS AND MEMBERSHIPS

1. Member, Canadian Nutrition Society (2021 - present)
2. Member, American Society for Nutrition (2021 – present)
3. Member, American Heart Association (2021 - present)
1. Member, Cancer Survivorship Research Network (2021-present)
2. Member, Canadian Women’s Heart Health Alliance (2020-present)
3. Member, Canadian Society of Exercise Physiology (2009-present)
4. Member, American College of Sports Medicine (2009-present)
5. Member, Clinical Exercise Physiology Association (2009-present)
6. Professional Kinesiologist, Alberta Kinesiology Association (2016-2020)
7. Professional Kinesiologist, British Columbia Association of Kinesiologists (2014-2015)
8. First Aid, CPR, AED Certification, Canadian Red Cross (2004-present)