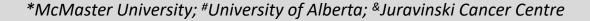
Bridging the Gap: Incorporating Exercise Evidence into Clinical Practice in Breast Cancer Care

Jenna Smith-Turchyn* PT, PhD; Julie Richardson* PT, PhD;
Margie McNeely# PT, PhD; Richard Tozer& MD, PhD;
Lehana Thabane* PhD





For more information contact Jenna @ smithjf@mcmaster.ca





Background

- Breast cancer and its treatments lead to numerous side effects that affect a person's life for years after treatment has ended
 - Physical: fatigue, pain, decreased strength, decreased range of motion
 - Psychological: anxiety, depression
 - Social: inability to return to pre-cancer roles

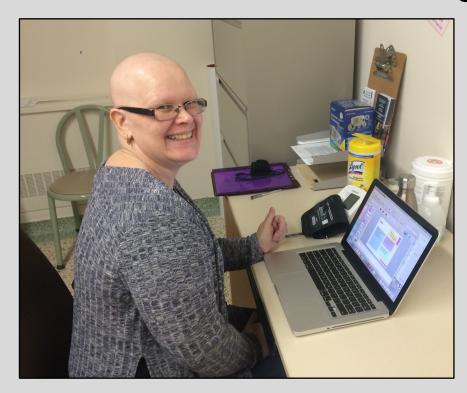
Regular exercise can limit many treatment related side effects

- Less than 30% of survivors self-report participation in regular exercise
 - Barriers exist at both the patient and health care professional level



Purpose

 Determine the feasibility and effectiveness of a novel implementation strategy for an exercise and self-management program for women with breast cancer during chemotherapy









Methods

- Design: Implementation Trial using RCT methodology
- Eligibility:
 - > 18 years of age
 - Undergoing chemotherapy
 - Diagnosis of stage 1-3 breast cancer
- Intervention Group:
 - 8 sessions including
 - Moderate intensity aerobic exercise
 - Self-management modules

- Control Group: usual care
- Outcomes:
 - Primary: Feasibility
 - Recruitment rate
 - Retention rate
 - Adherence rate
 - Secondary:
 - Physical activity level
 - Exercise knowledge
 - Health related quality of life (QOL)
 - Resource Utilization

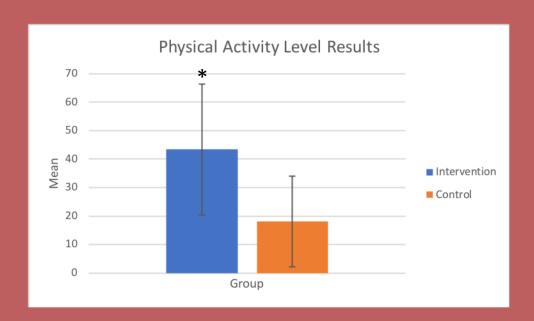


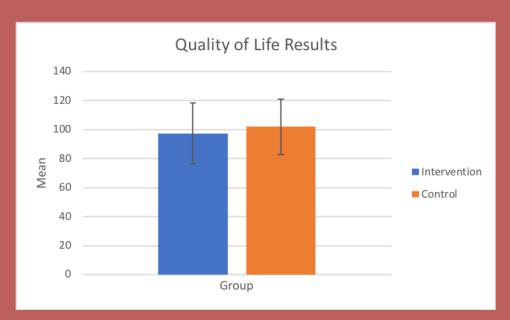
Results

Feasibility Outcomes:			
Recruitment rate:	96%		
Retention rate:	100%		
Adherence rate:	89%		
Secondary Outcomes:	Intervention Group (n=13)	Control Group (n=13)	Between Group Difference (mean change difference; 95% CI; p-value*)
Godin Leisure-Time Exercise Questionnaire (mean, (SD))	21.23 (21.87)	22.07 (17.17)	26.23 (2.83, 49.62), p=0.03
	43.46 (23.02)	18.08 (15.97)	
Exercise Knowledge (TPB) Questionnaire	43.31 (4.07)	49.31 (4.75)	9 (2.13, 15.87), p=0.01
	45.62 (8.15)	42.62 (8.16)	
FACT-B	97.94 (14.31)	108.13 (22.56)	5.47 (-11.59, 22.53), p=0.5
	97.31 (20.91)	102.03 (19.16)	
EQ-5D-3L Health Questionnaire (VAS)	6.46 (2.59)	7.88 (1.39)	1.69 (0.352, 3.03), p=0.02
	7.35 (2.54)	7.08 (1.57)	



Results

















Thank you!

Questions?

