The Intense Musculoskeletal, Functional Performance and Cardiometabolic Training (IMPaCT) Exercise Intervention in Postmenopausal Singaporean Women: A Pilot Study assessing Feasibility, Safety and Acceptability

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ABSTRACT

Introduction: Menopause predisposes women to low bone mass and increased cardio-metabolic risk. Pharmacological interventions have both troublesome and serious effects. Exercise can reverse bone mass and muscle strength loss, but the evidence The "best" exercise is unclear. Objectives: The Intense Musculoskeletal, Functional Performance and is conflicting. Cardiometabolic Training (IMPaCT) pilot assessed its feasibility in terms of feasibility, safety and acceptability. Methods: Postmenopausal osteopenic/osteoporotic women aged between 50 and 64 who fulfilled the strict inclusion criteria were recruited from Menopause clinics. Participants attended four weeks of twice-weekly, supervised 45-minute sessions comprising resistance training and impact loading exercises. Three sessions of lifestyle coaching were included. At baseline and completion, functional performance, anthropometrics, grip strength, physical activity tracking, spine X-ray and bone mineral density measurements were performed. Validated questionnaires assessed demographics, health status, physical activity, self-management of health and quality of life indices. Results: 30/251 women screened eligible due to strict inclusion/exclusion criteria. Six were recruited between March to August 2018. All completed, complying with the study protocol. Participants achieved 98% attendance. Mean age and menopausal age were 57.9 and 48 years, respectively. Majority (83%) were married with children and four were in full-time employment. No adverse events were reported. Majority (83%) rated it a good program. Half suggested a longer program. Conclusions: This pilot study demonstrated the feasibility of undertaking a high intensity, progressive resistance intervention program in postmenopausal women with low bone mass. While uptake remains a challenge, the findings will be used to quide a

randomised controlled trial grant application.

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A 5-year Experience with Wertheim's Hysterectomy in Hospital Sultan Ismail Johor Bahru

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ABSTRACT

Introduction: In Malaysia, cervical cancer is the 2nd most common cancer following breast cancer. Its management is based on clinical staging of the disease. Radical hysterectomy with concurrent chemoradiation is its primary treatment. Methods/Objectives: A total number of 113 cases of Wertheim's Hysterectomy done for early stage cervical cancer from 2010-2014 were retrospectively analysed to evaluate outcomes of the surgery. Results: Patients were of an average age of 51-60 years old (36%). 43.4% of them were Malays, followed by Chinese (41.6%) and Indians (6.2%). 40.7% of them were overweight with BMI 23-27.4, 51.3% were menopaused. Presurgery, patients were staged 1A1 (0.9%), 1A2 (5.3%), 1B1 (32.7%), 1B2 (34.5%), 2A1 (12.4%) and 2A2 (14.2%). 63.4% of tumors were 4 cm and below in size. Histologically, 57.1% were squamous cell carcinomas, 28.3% adenocarcinomas, 5.3% adenosquamous carcinoma, 4.4% neuroendocrine, 0.9% clear cell carcinomas, 0.9% sarcomas and 2.7% others. Mean duration of surgery was 3.8 hours. Mean blood loss was 925 mls. Complications were as follows; surgical site infections (14.2%), vessel injury (8%), nerve injury (0.9%), iatrogenic adjacent organ injuries (4.5%) which consists of bladder injury (0.9%), bowel injury (2.7%) and ureteric injury 0.9%. Long term complications include venous thromboembolism (10.6%), lymphedema (2.7%), lymphocyst (9.7%), enterocutaneous fistula (1.8%), rectovaginal fistula (0.9%), urethrovaginal fistula (0.9%), vesicovaginal fistula (1.8%), ureterovaginal fistula (0.9%). 50.4% of patients received concurrent chemoradiation or additional brachytherapy. 18.6% of patients developed local recurrence and 20.4% subsequently developed distant metastases. Discussion: Cervical cancers that are detected early has better prognosis. Constant evaluation of our management is important for the Improvement of quality of care for patients.