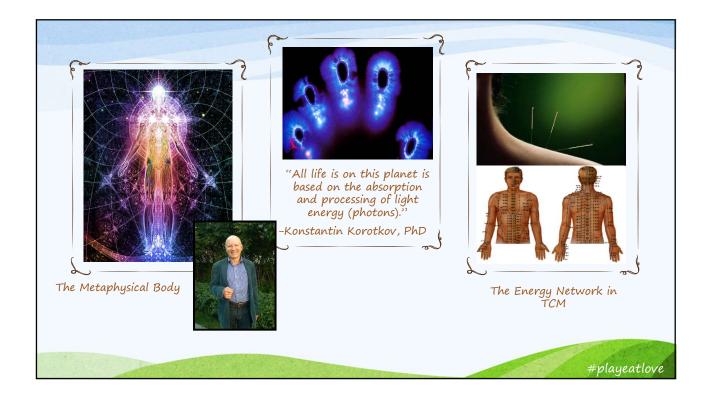
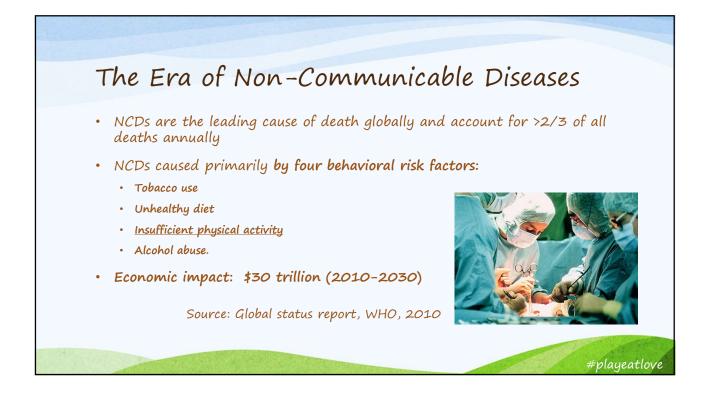


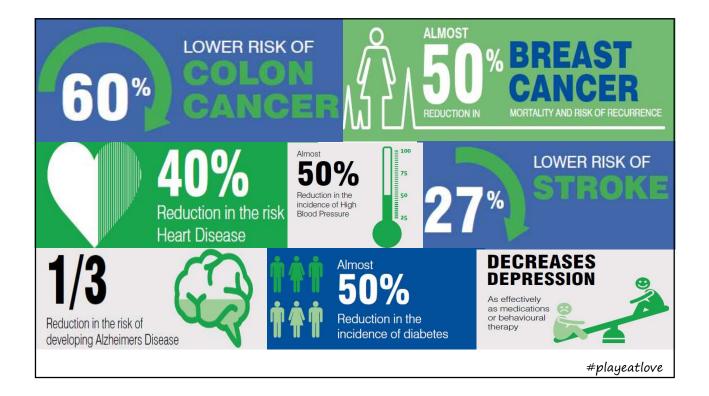
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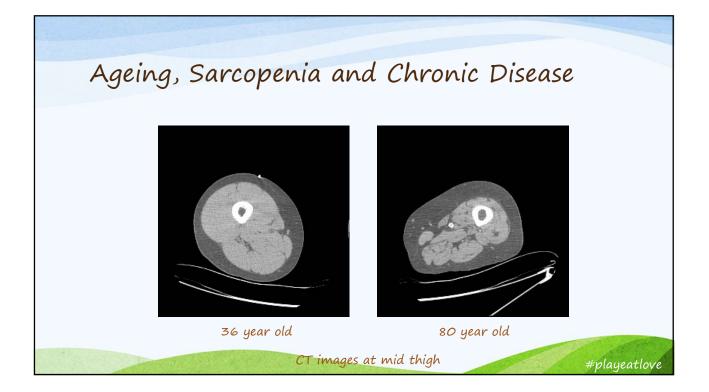


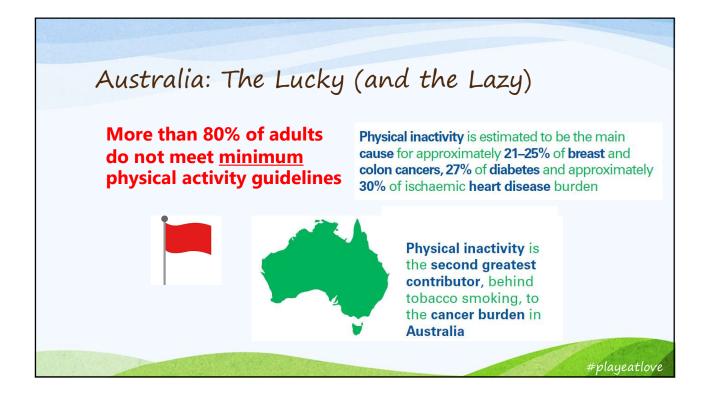








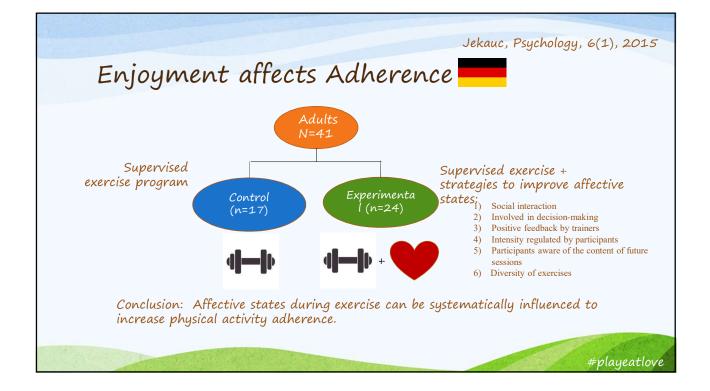






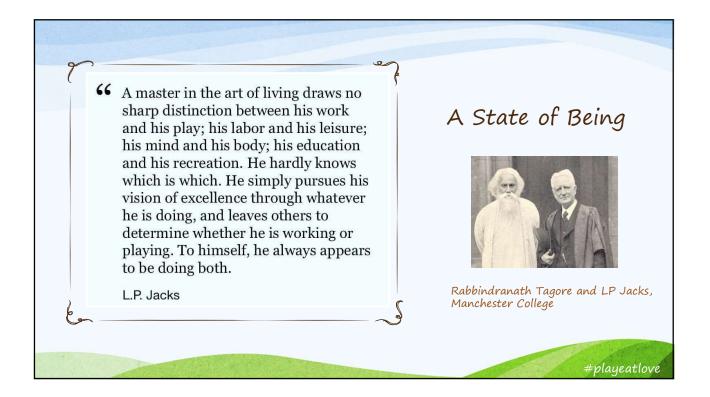














10



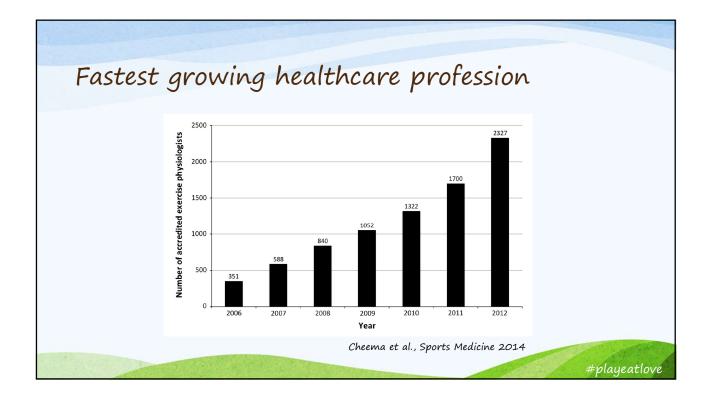


Table 1 Accredited exercise physiologist scope of practice (Exercise and Sports Science Australia)

- 1. Screening and risk stratifying to ensure the safety and appropriateness of exercise and physical activity interventions
- 2. Assessing a person's 'movement' capacity in people of all ages and levels of health, well-being, or fitness
- 3. Development of safe, effective, individualized exercise interventions
- 4. Provision of health education, advice, and support to enhance health and well-being
- 5. Provision of exercise intervention and advice for those at risk of developing a chronic condition or injury
- 6. Provision of clinical exercise prescription, for those with existing chronic and complex medical conditions
- 7. Provision of rehabilitation and advice for patients following the acute stage of injury, surgical intervention, or during recovery to restore functional capacity and well-being
- 8. The above tasks may occur at any level of primary, secondary, or tertiary healthcare, and may include employment or volunteer work at an individual, community, or population health level through various employers or industries
- Accredited exercise physiologist scope of practice, June 2012. Available at: http://www.essa.org.au)



Source: www.crossfit204.com

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AEPs and other exercise professionals

Accredited Exercise Physiologist (AEP)

Qualification: Min 4 years University Accreditation: ESSA Profession: Allied Health Rebates: Medicare, DVA, WorkCover, Private Health Patient risk level: High Specialty: Chronic conditions and injuries, long term behaviour change, self-managed exercise programs

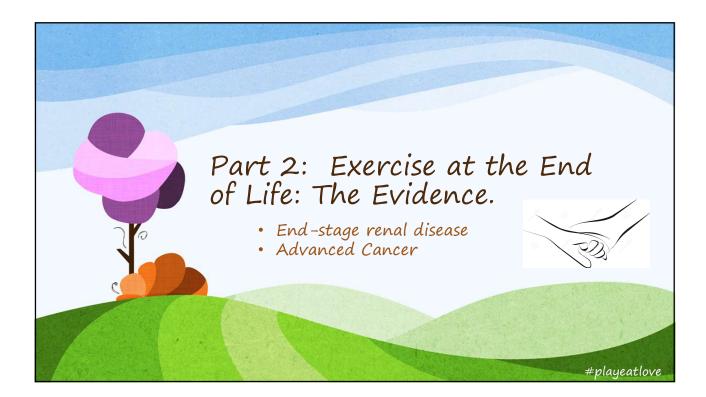
Physiotherapist

Qualification: Min 4 years University Accreditation: AHPRA Profession: Allied Health Rebates: Medicare, DVA, WorkCover, Private Health Patient risk level: High Specialty: Acute conditions and injuries, manual therapy

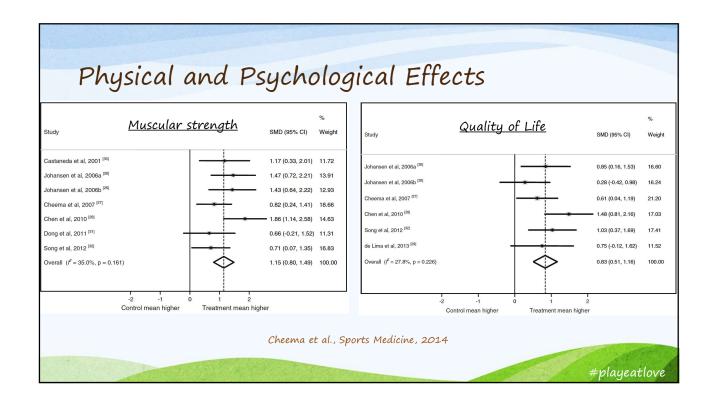
Personal Trainer

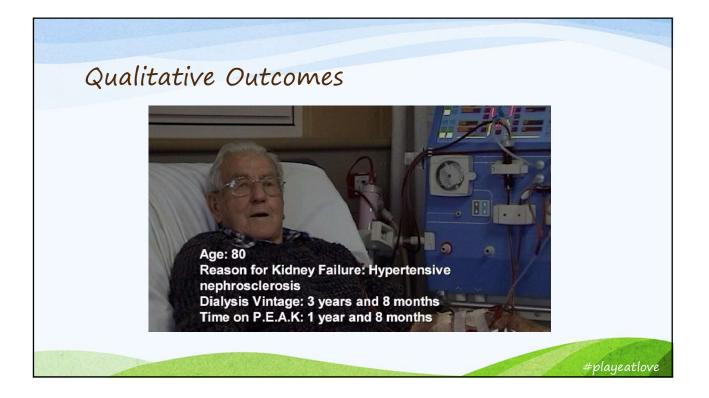
Qualification: Cert IV in as little as 6 weeks Accreditation: n/a Profession: Fitness Rebates: Private Health Patient risk level: Low Specialty: General fitness

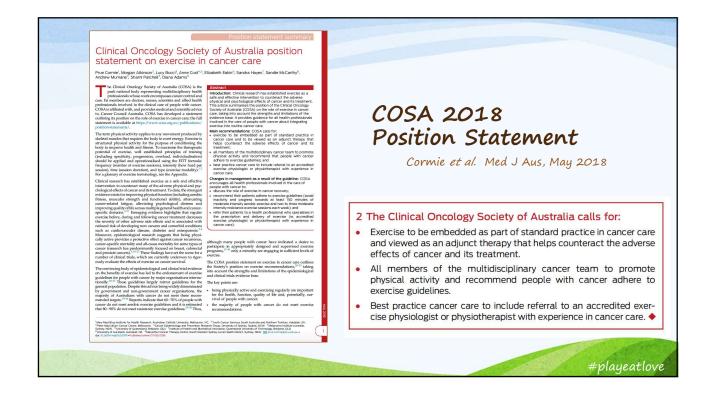
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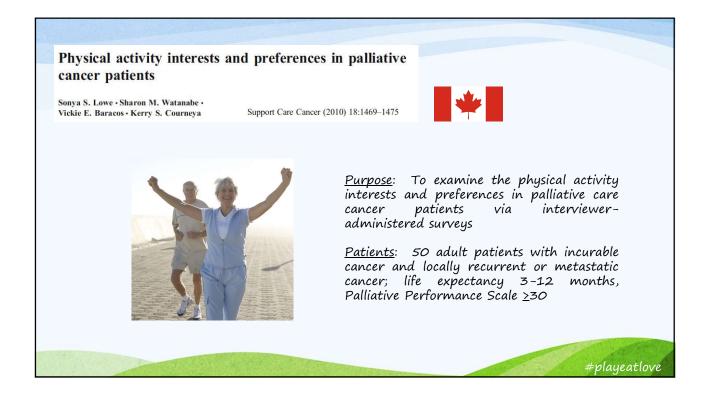
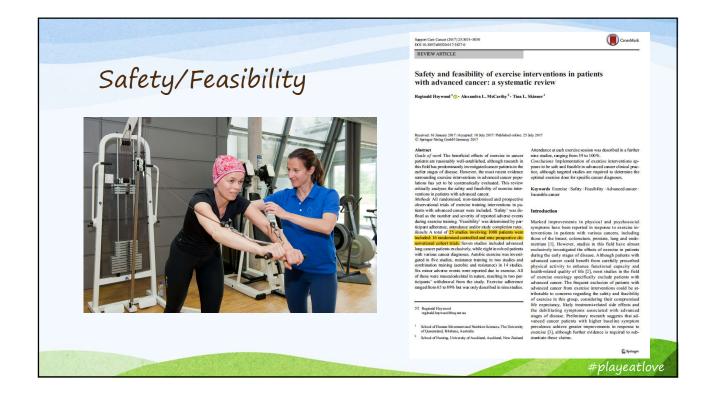
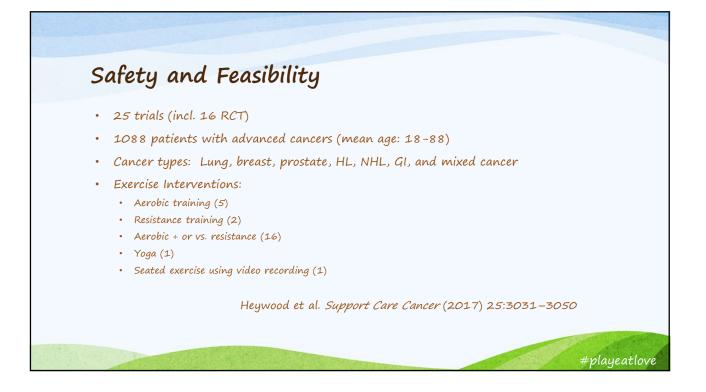


Table 1 Descriptive statistics for physical activity preferences ofstudy participants ($n=50$)		If you were to begin a physical activity program, who would you like to participate with?	
Preference variable	N (%)	Alone	27 (54%)
		With caregiver/spouse	5 (10%)
Is being physically active important to you now?		With family/friends	3 (6%)
		With other cancer patients	0
Yes	47 (94%)	No preference	15 (30%)
No	3 (6%)	If you were to begin a physical activity program, where would you like to participate?	
Are you interested in a physical activity program now?		At home	42 (84%)
Yes	39 (78%)	At a hospital-based center	0
		At a cancer center	0
No	4 (8%)	At a local fitness center	0
Maybe	7 (14%)	No preference	8 (16%)
Do you think you would be able to participate in a physical activity		If you were to begin a physical activity program, would you prefer to participate in the:	
program now?		Morning	20 (40%)
Yes	29 (58%)	Afternoon	16 (32%)
No	4 (8%)	Evening	2 (4%)
	NE ANGELER AND	No preference	12 (24%)
Maybe	17 (34%)		







Med Sci Sports Exerc. 2018 Mar;50(3):393-399. doi: 10.1249/MSS.000000000001454.

Exercise Preserves Physical Function in Prostate Cancer Patients with Bone Metastases.

Galvão DA^{1,1}, Taaffe DR^{1,1,1}, Spry N^{1,1,1}, Cormie P¹, Joseph D^{1,1,1,1}, Chambers SK^{1,1,1,1}, Chee R^{1,1}, Peddle-McIntyre CJ^{1,1}, Hart NH^{1,1}, Baumann FT¹, Denham J¹, Baker M¹, Newton RU^{1,1,1}.

Author information

Abstract

PURPOSE: The presence of bone metastases has excluded participation of cancer patients in exercise interventions and is a relative contraindication to supervised exercise in the community setting because of concerns of fragility fracture. We examined the efficacy and safety of a modular multimodal exercise program in prostate cancer patients with bone metastases.

METHODS: Between 2012 and 2015, 57 prostate cancer patients (70.0 \pm 8.4 yr; body mass index, 28.7 \pm 4.0 kg·m) with bone metastases (pelvis, 75.4%; femur, 40.4%; rib/thoracic spine, 66.7%; lumbar spine, 43.9%; humerus, 24.6%; other sites, 70.2%) were randomized to multimodal supervised aerobic, resistance, and flexibility exercises undertaken thrice weekly (EX; n = 28) or usual care (CON; n = 29) for 3 months. Physical function subscale of the Medical Outcomes Study Short-Form 36 was the primary end point as an indicator of patient-rated physical functioning. Secondary end points included objective measures of physical function, lower body muscle strength, body composition, and fatigue. Safety was assessed by recording the incidence and severity of any adverse events, skeletal complications, and bone pain throughout the intervention.

RESULTS: There was a significant difference between groups for self-reported physical functioning (3.2 points; 95% confidence interval, 0.4-6.0 points; P = 0.028) and lower body muscle strength (6.6 kg; 95% confidence interval, 0.6-12.7; P = 0.033) at 3 months favoring EX. However, there was no difference between groups for lean mass (P = 0.584), fat mass (P = 0.598), or fatigue (P = 0.964). There were no exercise-related adverse events or skeletal fractures and no differences in bone pain between EX and CON (P = 0.507).

CONCLUSIONS: Multimodal modular exercise in prostate cancer patients with bone metastases led to self-reported improvements in physical function and objectively measured lower body muscle strength with no skeletal complications or increased bone pain.

TRIAL REGISTRATION: ACTRN12611001158954

Benefits of Exercise in Advanced Cancers

-Heywood et al., Arch Phys Med Rehab, 2018

- Critical review of 25 studies (16 RCT, 9 UCT)
- Most studies (n=15) involved both aerobic and resistance training
- Sig. time and b/w group differences reported for:
 - Sleep quality (100%)
 - Physical functioning (83%)
 - Quality of life (55%)
 - Body composition (56%)
 - Fatigue (50%)

• Pain (25%)

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