Sexuality Post-Stroke

Do you have a broad research topic for students to consider?
Sexuality Post – Stroke,
Validation of the Knowledge Comfort Attitudes and Approach to Sexuality Survey among Stroke Rehabilitation Professionals.
Translation and Cross-Cultural Validation of Measures of Attitudes towards sexuality among health and rehabilitation professionals.
Ageing and Obesity.
Obesity among older people in residential care facilities - incidence; impact on care needs and quality of life.

This project is appropriate for students in the following discipline(s):
Bachelor of Health Sciences (Honours)
Bachelor of Applied Science (Diagnostic Radiography) Honours
Bachelor of Applied Science (Exercise Physiology) Honours
Bachelor of Applied Science (Exercise and Sport Science) Honours
Bachelor of Applied Science (Physiotherapy) Honours
Bachelor of Applied Science (Speech Pathology) Honours

ACL injuries

Research question:
What predicts outcomes after ACL reconstruction?

This project is appropriate for students in the following discipline(s):
Bachelor of Applied Science (Diagnostic Radiography) Honours
Bachelor of Applied Science (Exercise and Sport Science) Honours
Bachelor of Applied Science (Physiotherapy) Honours

Aims and background:
There is wide variability on the extent of recovery after ACL reconstruction. However, there is limited research on predictors of outcomes. The current project aims to identify predictors of recovery after ACL reconstruction.

Proposed method of data collection:
Secondary data analysis of predictors (age, sex, activity level, pre and post-operative measures etc) on recovery after ACL reconstruction.

Type of study:
Quantitative
Aerobic exercise during chemotherapy infusion

Do you have a broad research topic for students to consider?

Research question:
Can aerobic exercise be used by patients during chemotherapy infusion prior to surgical removal of tumour?

This project is appropriate for students in the following discipline(s):
Bachelor of Applied Science (Exercise Physiology) Honours
Bachelor of Applied Science (Exercise and Sport Science) Honours
Bachelor of Applied Science (Physiotherapy) Honours

Aims and background:
Aerobic exercise has historically been used by dialysis patients during infusion and has been found to improve aerobic endurance, muscular strength, quality of life and dialysis efficiency. Recent animal and human data suggest that aerobic exercise during infusion may increase blood flow to a tumour, and therefore increase drug delivery to a tumour. In addition, exercise may attenuate the hypoxic tumour microenvironments that are associated with conventional anticancer treatment failures.

Proposed method of data collection:
In this initial feasibility study it is proposed that ten neo-adjuvant chemotherapy patients complete stationary cycling at 40-70% VO2peak for 20-40 minutes (in a graded program) during infusion. Data collection will focus on exercise tolerability for patients during infusion, chemotherapy completion rate, and changes in aerobic fitness and fatigue during therapy.

Type of study:
Quantitative

Research on the effects of rehabilitation in chronic lung disease including examination of sedentary behaviour and physical activity in people with COPD

Do you have a broad research topic for students to consider?
Research on the effects of rehabilitation in chronic lung disease including examination of sedentary behaviour and physical activity in people with COPD. We have various projects including the examination of long-term Tai Chi exercise, behavioural interventions to improve sedentary behaviour and relationships of objective and subjective measures of activity.

This project is appropriate for students in the following discipline(s):
Bachelor of Applied Science (Physiotherapy) Honours