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**Resistance Training and the Elderly: An Investigation into
Psychological Wellbeing and Life Satisfaction**

A thesis presented in partial fulfilment of the requirements for the
degree of Master of Arts in Psychology

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ABSTRACT

This exploratory study examined the psychological benefits of high-intensity resistance training in an elderly age group. Participants in the sample (N=76) aged between 70-80, were randomly allocated to two groups (37 exercisers- 18 female and 19 male; 39 controls- 20 female and 19 male). Both groups completed five self-report questionnaires measuring psychological variables. The Purpose in Life Test (PIL), Profile of Mood States (POMS), State-Trait Anxiety Inventory (STAI), Affectometer 2, Rosenbergs Self-Esteem Scale (RSES) and a Dynamometer hand-grip strength test were administered pre-test, mid-test and post-test. The independent variable in this study was a 12 week high-intensity resistance training programme especially designed for this age group and supervised by qualified instructors at a commercial gymnasium. Repeated measures ANOVA produced results that indicated a high intensity resistance training programme provided strength gains, and improved some aspects of psychological wellbeing and life satisfaction components in older adults. There are positive indications from this study that this format of planned exercise can assist in the promotion of life quality enabling adaptation to changing situations often accompanying increasing age.

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TABLE OF CONTENTS

ABSTRACT	i
ACKNOWLEDGEMENTS	ii
TABLE OF CONTENTS	iv
APPENDICES	vi
LIST OF TABLES	vii
LIST OF FIGURES.....	viii
CHAPTER ONE: Introduction	1
A. Rationale.....	1
B. Definition of Terms	4
CHAPTER TWO: Literature review.....	6
A. Introduction.....	6
B. Effects of Exercise on Physiological Functioning	8
C. Balance, Flexibility and Falls	9
D. Effect of Exercise on Psychological Functioning	13
E. Progressive Resistance Training and the Elderly.....	23
CHAPTER THREE: Methodology	27
A. Participants	27
B. Experimental Design	27
C. Protocol / Measures	28
D. Procedures	34
E. Data Analysis.....	37

CHAPTER FOUR: Results.....	38
A. Descriptive Characteristics	38
B. Scale Descriptive and Reliability Data	38
C. Analysis	40
CHAPTER FIVE: Discussion.....	54
A. Strength.....	54
B. Purpose in Life Test.....	56
C. Affectometer 2 Test (negative mood).....	58
D. POMS subscale: Tension-Anxiety.....	59
E. POMS subscale: Depression-Dejection.....	61
F. POMS subscale: Anger-Hostility	62
G. POMS subscale: Fatigue-Inertia	64
H. POMS subscale: Vigor-Activity	65
I. POMS subscale: Confusion-Bewilderment	66
J. POMS subscale: Friendliness	67
State-Trait Anxiety Inventory, Rosenberg Self-Esteem Scale and the Positive Mood Component of the Affectometer 2	69
Suggested Future Research Directions	70
CONCLUSION.....	72
REFERENCES	73

APPENDICES

Appendix A.....	88
Information sheet	
Appendix B.....	91
Research questionnaires	
Appendix C.....	106
Exercise Prescription	
Appendix D.....	107
Participant consent form	
Appendix E.....	108
Health checklist	
Appendix F.....	110
Medical consent form	
Appendix G.....	111
Advertisement	

LIST OF TABLES

Table 1: Scale Descriptives and Reliability Data39

Table 2: Scale Descriptives and Reliability Data for POMS subscales.....39

Table 3. Independent Samples *t* test at Time 1.....41

LIST OF FIGURES

Figure 1. Mean scores for Strength over Times 1, 2 and 3.	42
Figure 2. Mean scores for the Purpose in Life Test over Times 1, 2 and 3.....	43
Figure 3. Mean scores for the Affectometer 2 negative mood subscales over Times 1, 2 and 3.	44
Figure 4. Mean scores for POMS subscale tension-anxiety over Times 1, 2 and 3.....	45
Figure 5. Mean scores for POMS subscale depression-dejection over Times 1, 2 and 3.....	46
Figure 6. Mean scores for POMS subscale anger-hostility over Times 1, 2 and 3.	47
Figure 7. Mean scores for POMS subscale fatigue-inertia over Times 1, 2 and 3.....	49
Figure 8. Mean scores for POMS subscale confusion-bewilderment over Times 1, 2 and 3.....	50
Figure 9. Mean scores for POMS subscale friendliness over Times 1, 2 and 3.....	51
Figure 10. Mean scores for POMS subscale vigor-activity over Times 1, 2 and 3.....	52