complaints, depression, and skinfold measures were found to be predictors for pre-surgical sleep ($R^2 = 0.52$), as well as post-surgical sleep ($R^2 = 0.78$). Fitness measures of functional capacity and physical activity were not a significant predictor of sleep. The findings of this study suggest that a modest correlation exists between functional capacity and sleep in CABG patients; however, predictors including health complaints, depression and skinfold measures serve as better indicators for sleep outcome before and after CABG surgery.

ACKNOWLEDGEMENTS

There are several people I would like to thank because without their guidance and support the completion of this document would not have been possible. First, I would like to thank my committee members: Dr. Bill Herbert, Dr. Ron Bos, and Dr. Warren Ramp. I would like to thank Dr. Herbert for his guidance and patience. Without his encouragement and revisions toward the final weeks of writing, this document may not have been completed on schedule. Thank you to Dr. Bos for the numerous meetings and the time you spent revising chapters. Your assistance throughout the semester is very much appreciated. I would also like to thank Dr. Ramp. Although, there was a distance between us that did not allow for a lot of interaction, the time that was spent on meetings, reading the document, and suggestions for revisions, is appreciated and assisted in the completion of this document.

A thank you is also extended to Lee Pierson. Lee's assistance with data collection and guidance in the beginning stages strengthened this document. I am thankful that I had an opportunity to work with Lee at the hospital and hope that I can one day be as influential on another student as he was on me.

A special thank you goes to my family, whom I love very much. All my life, my parents and my sister have given me guidance and support. Their encouragement gave me the incentive to begin and complete my graduate studies. My parents and my sister are my heroes, their love and support have allowed me to succeed in life. Thank you mom, dad, and Tamatha for always being there for me!

Another very special and loving thank you is extended to my fiancé, Eric Reinking. Eric entered my life during my first semester of graduate school. He has given me encouragement throughout my graduate work and always had a shoulder to lean on during the stressful times. Thank you Eric for the love and support you have given me throughout the completion of this document. I feel very fortunate to have you as my best friend and am very excited about our life together after graduate school!

TABLE OF CONTENTS

TABLE OF CONTENTS		PAGE vi
I.	INTRODUCTION	
	Project Design	2
	Introduction	
	Statement of the Problem	2 4 5
	Research Questions	5
	Significance of the Study	5
	Delimitations	6
	Limitations	6
	Basic Assumptions	7
	Definitions and Symbols	7
	Summary	8
II.	REVIEW OF LITERATURE	
	Introduction	11
	Sleep Physiology	12
	Sleep and Coronary Artery Disease	13
	Sleep Disturbances	15
	Sleep and Healing	19
	Exercise and Sleep	19
	Summary	22
III.	JOURNAL MANUSCRIPT	
	Abstract	24
	Introduction	25
	Methods	26
	Outcome Measures	27
	Statistical Analysis	30
	Results	31
	Discussion	33
	References	37
	Tables and Figures	40
IV.	SUMMARY AND CONCLUSIONS	
	Summary	46
	Conclusions	47
	Recommendations for Future Research	47
	Recommendations for Clinical Practice	48
	Bibliography	50

APPENDIX A	Methodology	54
APPENDIX B	Informed Consent	62
APPENDIX C	Pittsburgh Sleep Quality Index	69
APPENDIX D	Veterans Specific Activity Questionnaire	74
APPENDIX E	Paffenbarger Physical Activity Questionnaire	77
APPENDIX F	Health Complaint Scale	80
APPENDIX G	Beck Depression Inventory	84
APPENDIX H	Patient Information Form	86
APPENDIX I	Patient Data Collection Form	88
APPENDIX J	Tables for medical history, descriptive	90
	characteristics and prediction equation variables	
APPENDIX K	Raw Data	99
VITA		116

LIST OF TABLES

TABLE	PAGE
1. Subject Medical History Table	91
2. Characteristics of returning vs. nonreturning subjects at	93
post-surgery interval	
3. Correlation matrix for pre-surgical variables	95
4. Correlation matrix for 3 mo post-surgical variables	97