

CONTENTS

		PAGES
	Acknowledgments	
CHAPTER 1:	Introduction	1-39
CHAPTER 2:	Materials and Methods	40-54
CHAPTER 3:	DNA Polymerase activities in neuronal and astroglial cell fractions in aging	55-71
CHAPTER 4:	Primer extension and Exonuclease (Proof Reading) activities in Aging Rat Neurons And Restoration of lost primer extension activity <i>in vitro</i> by DNA Polymerase β	72-131
CHAPTER 5	Reduced DNA gap repair in aging rat neuronal extracts and its restoration <i>in vitro</i> by DNA Polymerase β	132-148
CHAPTER 6:	General Discussion	149-156
	Summary and Conclusions	157-160
	References	161-184