

CONTENTS

INTRODUCTION	1 - 10
CHAPTER 1 Neonatal nocturnal hypermelatoninemia increases adult germcell number and degeneration: Paradoxical effects.	11-37
CHAPTER 2 Postnatal glucocorticoid exposure in the preweanling period hastens spermatogenesis and increases germ cell number: I dose dependent effect.	38 - 53
CHAPTER 3 Transient neonatal exposure to glucocorticoids upto weanling hastens spermatogenesis and increases germ cell number but affects the quality of spermatogenesis: II dose dependent effect.	54 - 69
CHAPTER 4 Neonatal evening corticosterone excess potentiates detrimental effect of melatonin on spermatogenesis: Time dependent effect.	70 - 84

CHAPTER 5

Neonatal morning corticosterone excess further potentiates detrimental effect of melatonin on spermatogenesis: II time dependent effect.

85 - 99

CHAPTER 6

Neonatal corticosterone deprivation decreases germ cell number and sperm density in the adult testes.

100- 112

CHAPTER 7

Evening melatonin nullifies the effect of neonatal hypocorticalism on adult germ cell number and degeneration in male rats.

113-126

CONCLUDING REMARKS

127-136

BIBLIOGRAPHY

137-152
