

CONTENTS

	Page
CHAPTER I : Introduction and Aim of the thesis	1
CHAPTER II : Review of Literature	3
Definition of obesity	3
Diagnosis of obesity	6
Prevalence of obesity	9
Natural history of obesity	10
Metabolism of adipose tissue	13
Cellular changes in obesity	16
Changes in body composition in obesity	19
Metabolic changes in obesity	21
Factors affecting appetite regulation	28
Aetiology of obesity	31
Risks and effects of childhood obesity	54
Endocrine changes in obesity	59
* Insulin	60
* Thyroid hormones (T3, T4)	75
* Growth hormone	87
* Cortisol	96
* Cyclic AMP	106
CHAPTER III: Subjects and Methods	108
CHAPTER IV : Results	121
CHAPTER V : Discussion	187
SUMMARY	214
REFERENCES	222
ARABIC SUMMARY	