

Table of contents

PREFACE	III
SUMMARY	IV
RESUMÉ (DANISH SUMMARY).....	VII
LIST OF INCLUDED PAPERS.....	X
RELATED WORK	XI
LIST OF ABBREVIATIONS	XIII
1 INTRODUCTION.....	1
1.1 Objectives.....	2
2 BACKGROUND	3
2.1 Growth and body composition in infancy and early childhood.....	3
2.1.1 Growth and body composition in infancy	3
2.1.2 Infant feeding practice in relation to growth and body composition.....	7
2.1.3 Association between early weight gain and later obesity.....	9
2.2 Breastfeeding	11
2.2.1 Breastfeeding and later obesity	11
2.2.2 Breastfeeding recommendations	14
2.2.3 Characteristics of breastfeeding	16
2.2.4 Human milk intake.....	17
2.3 Human milk composition and growth	19
2.3.1 Macronutrients	19
2.3.2 Human milk oligosaccharides	21
2.3.3 Human milk hormones.....	23
2.4 Blood parameters related to breastfeeding and growth.....	26
2.4.1 Serum leptin.....	26
2.5 Excessive weight gain in breastfed infants	27
2.6 Potential determinants of excessive weight gain in breastfed infants	32

5.3	Potential long-term consequences for infants with excessive weight gain	115
5.4	Advising parents to infants with excessive weight gain.....	116
5.5	Methodological challenges, limitations and strenght of SKOT-III	117
6	CONCLUSION AND PERSPECTIVES	120
7	ACKNOWLEDGEMENTS	122
8	REFERENCES.....	124