# Table of Contents

#### $FOREWORD \cdots ix$

PREFACE ··· xi

#### THE BONY STRUCTURES OF THE PERINEUM

The pelvis...13, Certain parts of the pelvis can be located, allowing the reader to form a mental image of her own pelvis....14, The articulations of the pelvic bones...17, The openings...17, The superior opening...18, The lesser pelvis...21, The middle opening...22, The inferior opening...24, The pelvic cavity...25, How the head of the fetus adapts by turning to get through the mother's pelvis...26, How the pelvic bones move, particularly during delivery...28, Anterior & posterior rotation...30, Lordosis & kyphosis...31, The two triangles of the perineum...32, External morphology...33

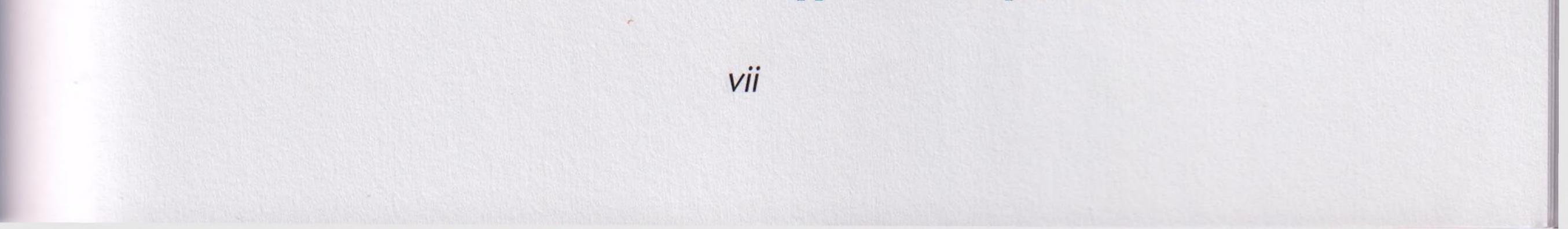
# THE MUSCULATURE OF THE PERINEUM

The pelvic floor...35, The superficial layer of perineal muscles...36, An overview of the muscles of the superficial layer of the perineum...37, The erectile bodies...37, The deep layer of the pelvic muscles...38, The urogenital hiatus...40, The two levels of the pelvic floor muscles...41, The central tendon of the perineum...42

# 3

# THE ORGANS OF THE LESSER PELVIS

General arrangement of the organs of the pelvic bowl...44, The pelvic organs are held in place by several mechanisms...45, The bladder...46, The urethra...47, How the bladder and urethra are situated in the lesser pelvis...48, Urination...50, The bladder and the urethra during pregnancy and delivery...51, The uterus...52, The vagina...53, How the uterus and vagina are supported in the lesser pelvis...54, The broad ligament...56, The uterus during pregnancy and delivery...57, The rectum...58, The anus...59, How the rectum and anus are supported in the pelvis...60, Defecation...61



#### VIII TABLE OF CONTENTS

#### THE MUSCLES BORDERING THE PERINEUM

The deep hip muscles...63, The gluteal muscles...64, The adductor muscles...66, The abdominal muscles...68, Reinforcing the abdominal and perineal muscles...69, The diaphragm...70, The diaphragm during expulsion...71, The forces of expulsion...72, How the diaphragm acts when pushing with a blocked inhalation...73, Why the diaphragm doesn't interfere when pushing during exhalation...74



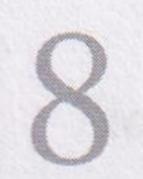
#### ANALYSIS OF CERTAIN MOVEMENTS

In certain situations the pressure on the pelvis from the abdomen is increased...76, The squatting position...78, How the position of the thighs changes the relationships in the bony pelvis...81, Examples of positions and postures for both the day of delivery and pelvic floor exercises...82

### THE PERINEUM AND DELIVERY

The two stages of delivery...85, How the perineum stretches during labor (in expulsion)...86, The different types of presentations...87, Injury that can occur to the perineum during delivery...88

# SOME PATHOLOGIES COMMON TO THE LESSER PELVIS Urinary incontinence...90, Urinary retention...91, Vaginal Prolapse...91, Vaginismus...91, Fecal incontinence...91, Terminal constipation...91, Prolapse...92, Hemorrhoids...93



# EXERCISES

Important precautions...95, The pelvis...98, The muscles of the pelvic floor...106, The muscles adjacent to the perineum...120, The organs of the lesser pelvis...128, Decompressing the organs of the lesser pelvis...142



#### GUIDELINES

How to protect the perineum before, during, and after delivery...147, For the postpuberty period...148, For the duration of the pregnancy...149, For the delivery...151, For the postpartum period...152, For the menopausal and postmenopausal periods...154

#### INDEX ... 159

