

Contents

<i>About the authors/editors</i>vi	3.7 The gastrointestinal system..... 183
<i>List of contributors</i>vii	3.8 The immune system.....197
<i>Acknowledgements</i>viii	
<i>How to use this book</i>ix	
Section 1: The Foundations for Life..... 1	Section 4: Labour and Birth 215
1.1 The human cell 3	4.1 The maternal pelvis..... 217
1.2 Tissues..... 9	4.2 Physiology of the first stage of labour 227
1.3 Homeostasis 17	4.3 Physiology of the second stage of labour..... 239
Section 2: Reproduction and Fetal Development..... 21	4.4 The fetus during labour 249
2.1 Mitosis and meiosis 23	4.5 The third stage of labour 259
2.2 Genetics, genetic disorders and epigenetics..... 33	4.6 Pelvic floor and perineum..... 269
2.3 Male and female reproductive systems 53	4.7 Changes to body systems in labour and birth 281
2.4 Reproduction and embryology..... 73	
2.5 The placenta and developing fetus 85	Section 5: The Puerperium 289
Section 3: Maternal Changes and Adaptations to Pregnancy97	5.1 Maternal postnatal physiology..... 291
3.1 The blood and cardiovascular system 99	5.2 The transition from fetal to neonatal life 309
3.2 The respiratory system 121	
3.3 The nervous system 133	Section 6: Lactation..... 335
3.4 The endocrine system.....147	6.1 The constituents of breastmilk... 337
3.5 The musculoskeletal system 161	6.2 The anatomy of the breast and the physiology of lactation..... 343
3.6 The renal system 173	6.3 Supporting and maintaining breastfeeding 353
	<i>Index</i> 369