Contents

Preface *v*
Acknowledgements *ix*

Chapter 1 First principles
1.1 Maternal anatomy 1
1.2 Prenatal development 11
1.3 Physiological changes during pregnancy 13

Chapter 2 Investigations and clinical techniques
2.1 Assessments in pregnancy 25
2.2 Investigations 30

Chapter 3 Antenatal clinical essentials
3.1 Clinical scenario 46
3.2 Common symptoms during pregnancy 49
3.3 The first antenatal visit 55
3.4 Follow-up antenatal visits 69

Chapter 4 Normal labour
4.1 Stages of normal labour 75
4.2 Intrapartum fetal monitoring 85
4.3 Intrapartum analgesia 85

Chapter 5 Fetal and placental complications during pregnancy
5.1 Clinical scenario 91
5.2 Twin pregnancy 93
5.3 Congenital malformations 101
5.4 Disorders of fetal growth 108
5.5 Malpresentation 121
5.6 Preterm membrane rupture 124
5.7 Preterm labour 127
5.8 Antepartum haemorrhage 131

Chapter 6 Maternal complications during pregnancy
6.1 Clinical scenario 139
6.2 Hypertension and pre-eclampsia 142
6.3 Eclampsia 147
6.4 Diabetes 149
6.5 Chorioamnionitis 154
6.6 Hyperemesis gravidarum 155
6.7 Acute fatty liver of pregnancy 157
6.8 Pulmonary embolism 158
6.9 Other maternal diseases during pregnancy 160

Chapter 7 Monitoring and interventions in labour
7.1 Clinical scenario 165
7.2 Abnormal cardiotocograph 165
7.3 Induction and augmentation of labour 177
7.4 Instrumental delivery 185
7.5 Caesarean section 194

Chapter 8 Complications arising during labour and delivery
8.1 Clinical scenario 198
8.2 Vaginal breech birth 199
8.3 Cord prolapse 204
8.4 Shoulder dystocia 205
8.5 Inverted uterus 208
8.6 Postpartum haemorrhage 210

Chapter 9 Postnatal care
9.1 Clinical scenario 219
9.2 Breastfeeding 221
9.3 Maternal mental health 223
9.4 Postpartum pyrexia and sepsis 226
9.5 Contraception and future pregnancies 235

Index *237*