

|                                                              |           |                                                  |           |
|--------------------------------------------------------------|-----------|--------------------------------------------------|-----------|
| Series editor foreword . . . . .                             | v         | <b>6. Pelvic pain and dyspareunia . . . . .</b>  | <b>43</b> |
| Preface . . . . .                                            | vii       | Differential diagnosis . . . . .                 | 43        |
| Dedication . . . . .                                         | ix        | History . . . . .                                | 43        |
|                                                              |           | Examination . . . . .                            | 45        |
|                                                              |           | Investigations . . . . .                         | 46        |
| <b>1. Taking a history . . . . .</b>                         | <b>1</b>  | <b>7. Fibroids . . . . .</b>                     | <b>49</b> |
| The patient's details . . . . .                              | 1         | Symptoms of uterine fibroids . . . . .           | 49        |
| Presenting complaint . . . . .                               | 1         | Complications . . . . .                          | 49        |
| History of presenting complaint . . . . .                    | 1         | Examination . . . . .                            | 50        |
| Past gynaecological history . . . . .                        | 4         | Investigations . . . . .                         | 50        |
| Past obstetric history . . . . .                             | 5         | Treatment . . . . .                              | 51        |
| Past medical history . . . . .                               | 5         | <b>8. Endometriosis . . . . .</b>                | <b>53</b> |
| Systems enquiry . . . . .                                    | 5         | Aetiology . . . . .                              | 53        |
| Drug history . . . . .                                       | 5         | Sites of endometriosis . . . . .                 | 54        |
| Allergies . . . . .                                          | 5         | Symptoms . . . . .                               | 54        |
| Family history . . . . .                                     | 5         | Infertility . . . . .                            | 56        |
| Social history . . . . .                                     | 5         | Clinical signs . . . . .                         | 56        |
| <b>2. Antenatal booking and prenatal diagnosis . . . . .</b> | <b>9</b>  | Investigations . . . . .                         | 56        |
| Antenatal booking . . . . .                                  | 9         | Differential diagnosis . . . . .                 | 56        |
| Prenatal diagnosis . . . . .                                 | 14        | Complications . . . . .                          | 56        |
| <b>3. Examination . . . . .</b>                              | <b>17</b> | Treatment . . . . .                              | 56        |
| General examination . . . . .                                | 17        | <b>9. Benign ovarian tumours . . . . .</b>       | <b>59</b> |
| Abdominal examination . . . . .                              | 17        | Incidence . . . . .                              | 59        |
| Pelvic examination . . . . .                                 | 20        | Aetiology . . . . .                              | 59        |
| <b>4. Common investigations . . . . .</b>                    | <b>27</b> | History . . . . .                                | 60        |
| Bedside tests . . . . .                                      | 27        | Examination . . . . .                            | 61        |
| Cervical cytology . . . . .                                  | 27        | Investigations . . . . .                         | 61        |
| Colposcopy . . . . .                                         | 27        | Management of a benign ovarian tumour . . . . .  | 61        |
| Imaging techniques . . . . .                                 | 28        | <b>10. Gynaecological malignancies . . . . .</b> | <b>63</b> |
| Hysteroscopy and pipelle biopsy . . . . .                    | 30        | Introduction . . . . .                           | 63        |
| Laparoscopy . . . . .                                        | 31        | Ovarian cancer . . . . .                         | 63        |
| Urodynamics . . . . .                                        | 31        | Endometrial cancer . . . . .                     | 65        |
| <b>5. Abnormal uterine bleeding . . . . .</b>                | <b>33</b> | Uterine sarcoma . . . . .                        | 66        |
| Menorrhagia . . . . .                                        | 33        | Cervical cancer . . . . .                        | 67        |
| Intermenstrual and postcoital bleeding . . . . .             | 38        | Vulval cancer . . . . .                          | 68        |
| Postmenopausal bleeding . . . . .                            | 39        | Vaginal tumours . . . . .                        | 70        |

## Contents

|                                                  |           |                                                                             |            |
|--------------------------------------------------|-----------|-----------------------------------------------------------------------------|------------|
| <b>11. Vulval disease . . . . .</b>              | <b>71</b> | <b>16. Gynaecological endocrinology . . . . .</b>                           | <b>99</b>  |
| Symptoms . . . . .                               | 71        | Amenorrhoea . . . . .                                                       | 99         |
| History . . . . .                                | 71        | Precocious and delayed puberty . . . . .                                    | 104        |
| Examination . . . . .                            | 71        | Hirsutism and virilism . . . . .                                            | 106        |
| Common causes . . . . .                          | 73        | <b>17. Menopause . . . . .</b>                                              | <b>111</b> |
| Investigations . . . . .                         | 73        | Definitions . . . . .                                                       | 111        |
| Vulval dystrophies . . . . .                     | 74        | Pathophysiology . . . . .                                                   | 111        |
| Neoplasia . . . . .                              | 74        | Clinical features . . . . .                                                 | 111        |
| Dermatological conditions . . . . .              | 75        | Contraception . . . . .                                                     | 114        |
| <b>12. Vaginal discharge . . . . .</b>           | <b>77</b> | Osteoporosis . . . . .                                                      | 115        |
| Differential diagnosis . . . . .                 | 77        | Premature menopause (premature ovarian failure) . . . . .                   | 115        |
| History . . . . .                                | 77        | <b>18. Subfertility . . . . .</b>                                           | <b>117</b> |
| Examination . . . . .                            | 78        | Introduction . . . . .                                                      | 117        |
| Investigation . . . . .                          | 78        | Taking the history . . . . .                                                | 117        |
| <b>13. Pelvic inflammatory disease . . . . .</b> | <b>81</b> | Examination . . . . .                                                       | 119        |
| Definition . . . . .                             | 81        | Investigation . . . . .                                                     | 119        |
| Incidence . . . . .                              | 81        | Treatment . . . . .                                                         | 121        |
| Aetiology . . . . .                              | 81        | Risks of assisted reproductive techniques . . . . .                         | 123        |
| Diagnosis . . . . .                              | 81        | <b>19. Contraception, sterilization and unwanted pregnancy . . . . .</b>    | <b>125</b> |
| History . . . . .                                | 81        | Introduction . . . . .                                                      | 125        |
| Examination . . . . .                            | 82        | Natural family planning methods . . . . .                                   | 125        |
| Investigations . . . . .                         | 83        | Barrier methods . . . . .                                                   | 125        |
| Complications . . . . .                          | 83        | Hormonal contraception . . . . .                                            | 126        |
| Treatment . . . . .                              | 83        | Intrauterine contraceptive devices and MIRENA intrauterine system . . . . . | 127        |
| Prevention . . . . .                             | 84        | Female sterilization . . . . .                                              | 128        |
| <b>14. Urinary incontinence . . . . .</b>        | <b>85</b> | Male sterilization . . . . .                                                | 129        |
| Incidence . . . . .                              | 85        | Contraception and breast-feeding . . . . .                                  | 129        |
| Aetiology . . . . .                              | 85        | Postcoital contraception (emergency contraception) . . . . .                | 129        |
| Complications . . . . .                          | 87        | Termination of pregnancy . . . . .                                          | 129        |
| History . . . . .                                | 87        | <b>20. Early pregnancy complications . . . . .</b>                          | <b>131</b> |
| Examination . . . . .                            | 88        | Bleeding and/or pain in early pregnancy . . . . .                           | 131        |
| Investigations . . . . .                         | 88        | History . . . . .                                                           | 131        |
| Other investigations . . . . .                   | 89        | Examination . . . . .                                                       | 132        |
| Treatment . . . . .                              | 89        | Investigation . . . . .                                                     | 133        |
| <b>15. Genital prolapse . . . . .</b>            | <b>93</b> | Miscarriage . . . . .                                                       | 133        |
| Definition . . . . .                             | 93        | Recurrent miscarriage . . . . .                                             | 135        |
| Incidence . . . . .                              | 93        | Ectopic pregnancy . . . . .                                                 | 135        |
| Pelvic anatomy . . . . .                         | 93        | Trophoblastic disease . . . . .                                             | 137        |
| Aetiology of genital prolapse . . . . .          | 93        |                                                                             |            |
| History . . . . .                                | 95        |                                                                             |            |
| Examination . . . . .                            | 95        |                                                                             |            |
| Investigation . . . . .                          | 96        |                                                                             |            |
| Management . . . . .                             | 96        |                                                                             |            |

|                                                                                         |            |                                                            |            |
|-----------------------------------------------------------------------------------------|------------|------------------------------------------------------------|------------|
| <b>21. Antepartum haemorrhage . . . . .</b>                                             | <b>139</b> | History . . . . .                                          | 167        |
| Definition . . . . .                                                                    | 139        | Examination . . . . .                                      | 167        |
| Incidence . . . . .                                                                     | 139        | Investigation . . . . .                                    | 168        |
| Aetiology . . . . .                                                                     | 139        | Management . . . . .                                       | 170        |
| History . . . . .                                                                       | 139        | <b>26. Large or small for dates in pregnancy . . . . .</b> | <b>171</b> |
| Examination . . . . .                                                                   | 139        | Differential diagnosis . . . . .                           | 171        |
| Investigations . . . . .                                                                | 140        | History . . . . .                                          | 171        |
| Placenta praevia . . . . .                                                              | 140        | Examination . . . . .                                      | 172        |
| Placental abruption . . . . .                                                           | 142        | Investigation . . . . .                                    | 172        |
| Vasa praevia . . . . .                                                                  | 143        | <b>27. Stillbirth. . . . .</b>                             | <b>175</b> |
| Circumvillate placenta . . . . .                                                        | 143        | Introduction . . . . .                                     | 175        |
| Unexplained antepartum haemorrhage . . . . .                                            | 143        | Definitions . . . . .                                      | 175        |
| <b>22. Hypertension in pregnancy . . . . .</b>                                          | <b>145</b> | Incidence . . . . .                                        | 175        |
| Introduction . . . . .                                                                  | 145        | Diagnosis . . . . .                                        | 175        |
| History taking . . . . .                                                                | 145        | Telling the parents . . . . .                              | 175        |
| Examination . . . . .                                                                   | 146        | History . . . . .                                          | 175        |
| Investigations . . . . .                                                                | 146        | Examination . . . . .                                      | 176        |
| Treatment . . . . .                                                                     | 147        | Investigations . . . . .                                   | 176        |
| <b>23. Medical disorders in pregnancy. . . . .</b>                                      | <b>151</b> | Management . . . . .                                       | 177        |
| Introduction . . . . .                                                                  | 151        | After delivery . . . . .                                   | 177        |
| Anaemia . . . . .                                                                       | 151        | <b>28. Labour . . . . .</b>                                | <b>179</b> |
| Asthma . . . . .                                                                        | 151        | Onset of labour . . . . .                                  | 179        |
| Diabetes . . . . .                                                                      | 152        | Normal progress in labour . . . . .                        | 179        |
| Epilepsy . . . . .                                                                      | 153        | Delivery of the fetus . . . . .                            | 182        |
| Thyroid disease . . . . .                                                               | 154        | Management of the first stage of labour . . . . .          | 184        |
| Gastrointestinal disorders . . . . .                                                    | 155        | Management of the second stage<br>of labour . . . . .      | 184        |
| Acute fatty liver of pregnancy . . . . .                                                | 156        | Management of the third stage of labour . . . . .          | 185        |
| Thromboembolism . . . . .                                                               | 156        | Induction of labour . . . . .                              | 186        |
| Cerebral vein thrombosis . . . . .                                                      | 157        | <b>29. Preterm labour. . . . .</b>                         | <b>189</b> |
| Human immunodeficiency virus . . . . .                                                  | 157        | Preterm labour . . . . .                                   | 189        |
| Psychiatric illness . . . . .                                                           | 158        | Incidence . . . . .                                        | 189        |
| Substance abuse . . . . .                                                               | 159        | History and examination . . . . .                          | 190        |
| <b>24. Multiple pregnancy . . . . .</b>                                                 | <b>161</b> | Investigation . . . . .                                    | 190        |
| Incidence . . . . .                                                                     | 161        | Management . . . . .                                       | 191        |
| Diagnosis . . . . .                                                                     | 161        | Preterm prelabour rupture of membranes . . . . .           | 192        |
| Aetiology . . . . .                                                                     | 161        | <b>30. Other complications of labour . . . . .</b>         | <b>195</b> |
| Complications . . . . .                                                                 | 163        | Malpresentation . . . . .                                  | 195        |
| Intrapartum management of a twin<br>pregnancy . . . . .                                 | 164        | Failure to progress in labour . . . . .                    | 199        |
| Higher-order multiple pregnancies . . . . .                                             | 165        | Management of failure to progress . . . . .                | 201        |
| <b>25. Abdominal pain in the second and third<br/>trimesters of pregnancy . . . . .</b> | <b>167</b> | Shoulder dystocia . . . . .                                | 201        |
| Differential diagnosis of abdominal pain in<br>pregnancy . . . . .                      | 167        | <b>31. Fetal monitoring in labour . . . . .</b>            | <b>203</b> |
|                                                                                         |            | Fetal monitoring in labour . . . . .                       | 203        |

# Contents

|                                                                                                    |            |                                                                                                          |            |
|----------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------|------------|
| Features of the cardiotocograph. . . . .                                                           | 203        | Lactation . . . . .                                                                                      | 219        |
| Physiology. . . . .                                                                                | 204        | Postnatal infection . . . . .                                                                            | 220        |
| Monitoring uterine contractions. . . . .                                                           | 205        | Postnatal mental illness. . . . .                                                                        | 220        |
| History of the patient who presents with<br>an abnormal cardiotocograph in labour. . . . .         | 205        | Thromboembolic disease . . . . .                                                                         | 222        |
| Examination of the patient who presents<br>with an abnormal cardiotocograph<br>in labour . . . . . | 206        | <b>34. Maternal collapse . . . . .</b>                                                                   | <b>223</b> |
| Investigating the abnormal<br>cardiotocograph . . . . .                                            | 206        | Introduction . . . . .                                                                                   | 223        |
| <b>32. Operative interventions in labour. . . . .</b>                                              | <b>209</b> | The collapsed patient. . . . .                                                                           | 223        |
| Episiotomy. . . . .                                                                                | 209        | Causes of maternal collapse. . . . .                                                                     | 223        |
| Perineal repair . . . . .                                                                          | 209        | <b>35. Maternal death . . . . .</b>                                                                      | <b>229</b> |
| Ventouse delivery . . . . .                                                                        | 210        | Introduction . . . . .                                                                                   | 229        |
| Forceps delivery . . . . .                                                                         | 211        | Mothers and Babies: Reducing Risk<br>through Audit and Confidential<br>Enquiries across the UK . . . . . | 229        |
| Caesarean section . . . . .                                                                        | 212        | Definitions. . . . .                                                                                     | 229        |
| <b>33. Postnatal complications . . . . .</b>                                                       | <b>215</b> | Causes of maternal death. . . . .                                                                        | 230        |
| Postpartum haemorrhage. . . . .                                                                    | 215        | <b>Self-assessment . . . . .</b>                                                                         | <b>233</b> |
| Differential diagnosis. . . . .                                                                    | 215        | <b>Single best answer questions (SBAs) . . . . .</b>                                                     | <b>235</b> |
| History . . . . .                                                                                  | 215        | <b>Extended-matching questions (EMQs). . . . .</b>                                                       | <b>243</b> |
| Examination . . . . .                                                                              | 216        | <b>SBA answers. . . . .</b>                                                                              | <b>259</b> |
| Investigations . . . . .                                                                           | 217        | <b>EMQ answers . . . . .</b>                                                                             | <b>265</b> |
|                                                                                                    |            | <b>Index . . . . .</b>                                                                                   | <b>271</b> |