

CONTENTS

- 1 Embryology, 1
- 2 Cerebral Topography, 6
- 3 Midbrain, Hindbrain, Spinal Cord, 26
- 4 Meninges, 40
- 5 Blood Supply of the Brain, 50
- 6 Neurons and Neuroglia, 63
- 7 Electrical Events, 75
- 8 Transmitters and Receptors, 85
- 9 Peripheral Nerves, 102
- 10 Innervation of Muscles and Joints, 110
- 11 Innervation of Skin, 119
- 12 Electrodiagnostic Examination, 123
- 13 Autonomic Nervous System, 136
- 14 Nerve Roots, 151
- 15 Spinal Cord: Ascending Pathways, 161
- 16 Spinal Cord: Descending Pathways, 169
- 17 Brainstem, 179
- 18 The Lowest Four Cranial Nerves, 196
- 19 Vestibular Nerve, 202
- 20 Cochlear Nerve, 207
- 21 Trigeminal Nerve, 212
- 22 Facial Nerve, 218
- 23 Ocular Motor Nerves, 222
- 24 Reticular Formation, 230
- 25 Cerebellum, 243
- 26 Hypothalamus, 253
- 27 Thalamus, Epithalamus, 260
- 28 Visual Pathways, 265
- 29 Cerebral Cortex, 274
- 30 Electroencephalography, 289
- 31 Evoked Potentials, 298
- 32 Hemispheric Asymmetries, 305
- 33 Basal Ganglia, 314
- 34 Olfactory and Limbic Systems, 323
- 35 Cerebrovascular Disease, 344