

INTERNATIONAL EDITION

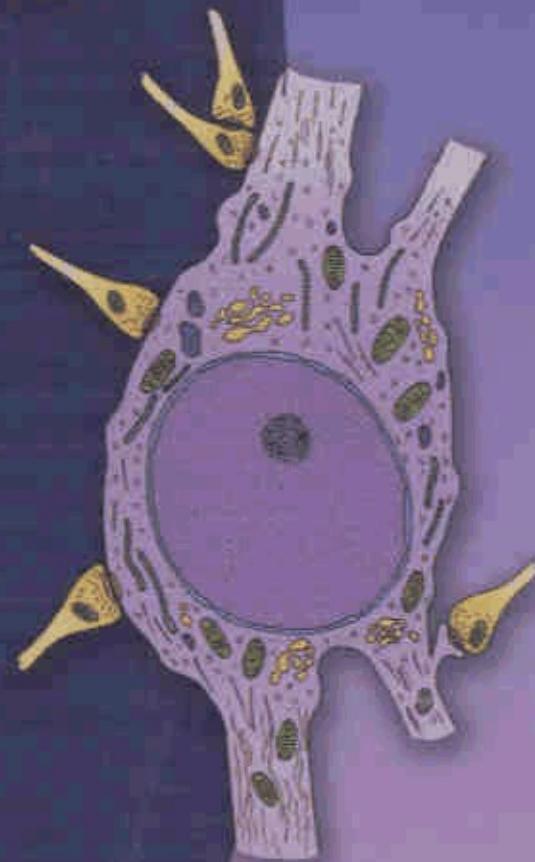
Not authorised for sale in North America and the Caribbean

Ninth Edition

BARR'S

The Human Nervous System

AN ANATOMICAL
VIEWPOINT



John A. Kiernan



Wolters Kluwer
Health

Lippincott
Williams & Wilkins

thePoint

Contents

PART I Introduction and Neurohistology

- 1 Development, Composition, and Evolution of the Nervous System 3**
- 2 Cells of the Nervous System 13**
- 3 Peripheral Nervous System 35**
- 4 Imaging Techniques and Neuroanatomical Research Methods 49**

PART II Regional Anatomy of the Central Nervous System

- 5 Spinal Cord 61**
- 6 Brain Stem: External Anatomy 79**
- 7 Brain Stem: Nuclei and Tracts 87**
- 8 Cranial Nerves 113**
- 9 Reticular Formation 141**
- 10 Cerebellum 157**
- 11 Diencephalon 173**
- 12 Corpus Striatum 199**
- 13 Topography of the Cerebral Hemispheres 211**
- 14 Histology of the Cerebral Cortex 219**
- 15 Functional Localization in the Cerebral Cortex 227**
- 16 Cerebral White Matter and Lateral Ventricles 245**
- 17 Olfactory System 259**
- 18 Limbic System: The Hippocampus and the Amygdala 267**

PART III Review of the Major Systems

- 19** General Sensory Systems 283
- 20** Visual System 303
- 21** Auditory System 319
- 22** Vestibular System 331
- 23** Motor Systems 339
- 24** Visceral Innervation 353

PART IV Blood Supply and the Meninges

- 25** Blood Supply of the Central Nervous System 367
 - 26** Meninges and Cerebrospinal Fluid 383
- Glossary of Neuroanatomical and Related Terms 395
- Index 407