

# CONTENTS THE THIRD EDITION

Preface to the Third Edition .....	ix
Preface to the Second Edition .....	xi
Preface to the First Edition .....	xiii
Acknowledgments .....	xv
Author Biography .....	xix
List of Illustrations .....	xxi
Introduction to the Atlas .....	xxvii
User's Guide .....	xxix
<b>Section 1 Central Nervous System Organization</b> .....	<b>1</b>
1 Overview and External Views .....	4
2 Internal Structures—Cerebral Hemispheres .....	28
3 Internal Structures—Brainstem, Cerebellum, and Spinal Cord .....	58
<b>Section 2 Functional Systems</b> .....	<b>78</b>
4 System Components .....	80
5 Sensory and Motor Pathways .....	96
Sensory Systems .....	96
Motor Systems .....	110
Motor Modulation .....	128
6 Special Senses and Pathways Summary .....	138
Auditory System .....	138
Visual System .....	144
Vestibular System and Visuomotor .....	152
Pathways Summary .....	156
<b>Section 3 Meninges, Cerebrospinal Fluid, and Vascular Systems</b> .....	<b>165</b>
7 Meninges, Venous System, and Cerebrospinal Fluid Circulation .....	166
Meninges .....	166
Venous System .....	172
Cerebrospinal Fluid (CSF) .....	180

8 Vascular Supply .....	183
Cerebral, Brainstem, and Spinal Cord.....	183
<b>Section 4 The Limbic System</b> .....	<b>200</b>
9 Major Limbic Structures.....	202
10 Limbic Non-Cortical Structures.....	224
Appendix: Neurological Neuroanatomy .....	245
Clinical Cases .....	268
Glossary .....	271
Annotated Bibliography.....	280
Index .....	286