## **Contents**

ntroduction						
Purpose and Plan						1
Material, Techniques, and Preparation of the Illustrations				٠	٠	1
Annotations						3
Terminology, Abbreviations, and Labelling						3
Acknowledgements		٠		•	•	3
Part I Gross Anatomy						
Orientation						6
External and Medial Views						10
Internal Structures			•	•	٠	27
Part II Brain Slices						
Coronal Sections						34
Sections Perpendicular to the Axis of the Brain Stem	•		•		•	47
Sagittal Sections			٠		٠	52
Horizontal Sections						57
Part III Microscopical Sections Coronal Sections Through the Basal Part of the Prosencept Transverse Sections Through the Brain Stem and Spinal Co	nal ord	lon l .	١.	•		64 72
Part IV Functional Systems						
Cranial Nerve Nuclei in the Brain Stem	٠		٠	٠		108
General Sensory Systems and Taste						11.
The Anterolateral System						11.
The Medial Lemniscus System		٠	•	•		114
The Trigeminal System			•	•	٠	114
The Visceral Afferent Systems	•		٠	•	-	11:
Special Sensory Systems				٠	•	
The Vestibular System	٠					124
						124 124
The Auditory System	٠	•	•	٠		124 124 123
The Auditory System		•		٠	•	124 124 123 127
The Visual System						124 124 121 121 141
The Visual System				•		124 124 125 126 146 146
The Visual System	•				•	124 124 125 145 145 145



VI	Contents

The laws a series land Continue below in Connections	1.50
Thalamocortical and Corticothalamic Connections	
Motor Systems	. 165
Long Corticofugal Pathways	. 165
The So-called Extrapyramidal System	. 166
Descending Reticular Systems	. 177
Descending Pathways and the Medial Reticular Formation	. 177
Descending Pathways and the Lateral Reticular Formation	. 179
Olfactory and Limbic Systems	. 181
Long Association and Commissural Connections	
Monoamine Neuron Systems	. 217
Dopaminergic Cell Groups and Pathways	
Noradrenergic Cell Groups and Pathways	
Serotonergic Cell Groups and Pathways	
References	. 227
Abbreviations	. 239
Subject Index	243