

AN ATLAS
OF
THE MEDULLA AND MIDBRAIN

BY
FLORENCE R. SABIN, M. D.

A LABORATORY MANUAL
ILLUSTRATED WITH SEVEN COLORED PLATES, ONE BLACK PLATE AND FIFTY-TWO FIGURES

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BALTIMORE, MD., U. S. A.
THE FRIEDENWALD COMPANY
PUBLISHERS
1901

AUTHOR'S PREFACE.

A description and the plates of a reconstruction of the medulla oblongata of the new-born babe was published in the "Contributions to the Science of Medicine," dedicated to William Henry Welch.¹ The model was built in the Anatomical Laboratory of the Johns Hopkins University at the suggestion of Dr. Franklin P. Mall and Dr. Lewellys F. Barker. It was the original thought that such a reconstruction would not only show graphically for the first time the form and relations of the tracts and nuclei, but that it would simplify for the student of anatomy a region both complex and difficult. The shape of the tracts in the cord was well known, the forms of the internal capsule in the brain could be fairly well imagined, but the tracts between the cord and brain were too complex to give mental pictures without the aid of a model. The suggestion has been made by Dr. H. Mc E. Knowler, of the Anatomical Laboratory of the Johns Hopkins Medical School, that the description of the model be put into a more convenient form for the student; by means of fuller references to the plates and sections; by a rearrangement of contents to make the location in the model of any set of serial sections or any single section of the region an easy matter; by adding a full index; and by a list of literature containing a few of the most important references valuable to the student at the beginning of a study of the central nervous system of man or the mammals. I am indebted to him for the arrangements for this edition.

I wish to thank Dr. John Hewetson for the material which made the model possible. Both series were unbroken, and so

¹ Model of the Medulla, Pons and Midbrain of a New-born Babe, by Florence R. Sabin. *Contributions to the Science of Medicine*, and vol. ix of the *Johns Hopkins Hospital Reports*.

admirably prepared that any omissions in the model are due not to the material, but to the nature of the structures in question. I am greatly indebted to Mr. Max Broedel for the beautiful illustrations of the model. They are so accurate and clear as to be equal in value to the model itself. It is through the kindness of Dr. Henry M. Hurd that the plates of these drawings can be used for the present edition. Dr. Franklin P. Mall controlled the construction of the model, Dr. Lewellys F. Barker its study. I acknowledge with thanks their unfailing help and interest.

CONTENTS.

	PAGE
CHAPTER I.	
INTRODUCTORY	13
METHOD OF USING ATLAS	18
CHAPTER II.	
THE LONG TRACTS.	20
A. In the Medulla (medulla sheet)	21
B. In the Pons and Midbrain (Lemnisci and Formatio Reticularis).....	22
CHAPTER III.	
THE COLUMNS OF THE SPINAL CORD.	35
A. Ventrolateral column	36
(a) Ventral part	36
(b) Dorsal part	39
B. Dorsal column	40
CHAPTER IV.	
CEREBELLAR PEDUNCLES.	
Inferior peduncle, or Corpus Restiforme.	45
Superior peduncle, or Brachium Conjunctivum	46
CHAPTER V.	
THE CEREBRAL NERVES AND THEIR NUCLEI. Median Group (red in model). 51	
(a) N. hypoglossus, xii	53
Nucleus N., xii	52
(b) N. abducens, vi	55
Nucleus N., vi	54
(c) N. trochlearis, iv	56
Nucleus N., iv	56
(d) N. oculomotorius, iii	58
Nucleus N., iii	57
CHAPTER VI.	
THE CEREBRAL NERVES AND THEIR NUCLEI (continued). Lateral Group.	
A. Motor Nerves (red in model)	61
(a) N. accessorius, xi	62
Nucleus N., xi	61

	PAGE
(b) N. glossopharyngeus et N. vagus, ix and x	64
Nucleus N., ix and x	63
(c) N. facialis, vii	64
Nucleus N., vii	64
(d) N. trigeminus, v.....	65
Nucleus N., v	65
B. Sensory Nerves (blue in model)	68
(a) N. glossopharyngeus et N. vagus, ix and x	69
Nucleus N., ix and x	70
(b) N. trigeminus, v.....	72
Nucleus N., v	74
(c) N. vestibuli, viii.....	76
Nuclei N. vestibuli	78
(d) N. cochleæ, viii.....	82
Nuclei N. cochleæ.....	82-85
CHAPTER VII.	
THE INFERIOR AND ACCESSORY OLIVES	86
CHAPTER VIII.	
THE MIDBRAIN.	
1. Relation of its Structures to the Central Fibre Mass	92
2. The Nucleus Ruber (red nucleus) and its Capsule	94
3. The Fasciculus Retroflexus (Meynerti)	98
4. The Decussatio Tegmenti Dorsalis (Meynerti)	99
5. The Decussatio Tegmenti Ventralis of Forel.....	100
6. Stratum Album Profundum (deep white layer).....	100
7. Substantia Centralis Grisea (central gray matter).....	103
8. The Pyramidal Tract.....	104
9. Substantia Nigra.....	104
CHAPTER IX.	
THE FORMATIO RETICULARIS ALBA AND GRISEA.....	106
GENERAL SUMMARY OF WHAT IS SHOWN IN RECONSTRUCTION	109
REFERENCES TO LITERATURE.....	112