

**THE ANATOMY OF THE
BRAIN: A TEXT-BOOK
FOR MEDICAL STUDENTS**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649025091

The Anatomy of the Brain: A Text-Book for Medical Students by Richard H. Whitehead

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RICHARD H. WHITEHEAD

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ANATOMY OF THE BRAIN

A TEXT-BOOK FOR MEDICAL
STUDENTS

BY
RICHARD H. WHITEHEAD, M.D.

PROFESSOR OF ANATOMY IN THE UNIVERSITY OF NORTH CAROLINA

Illustrated with Forty-one Engravings

LONDON
HENRY KIMPTON
13, FURNIVAL STREET, HOLBORN, E.C.
1902

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1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is essential for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent data collection procedures and the use of advanced analytical techniques to derive meaningful insights from the data.

3. The third part of the document focuses on the role of technology in data management and analysis. It discusses how modern software solutions can streamline data collection, storage, and processing, thereby improving efficiency and accuracy.

4. The fourth part of the document addresses the challenges associated with data management, such as data quality, security, and privacy. It provides strategies to mitigate these risks and ensure that the data remains reliable and secure throughout its lifecycle.

5. The fifth part of the document concludes by summarizing the key findings and recommendations. It stresses the importance of a data-driven approach in decision-making and the need for continuous monitoring and improvement of data management practices.

PREFACE.

IN the preparation of this little book it has been the author's aim to furnish medical students with a clear, accurate, and concise account of the anatomy of the brain, to be used as a guide in their study of that organ. From a work of this character it has been thought best to omit minor details, and to exclude, so far as seemed possible, subjects which are still matters of controversy.

Recognizing the value of a uniform nomenclature, use has been made of the Latin terms adopted and recommended by the German Anatomical Society at its meeting in Basel, to the extent that they have been inserted, parenthetically, after the names commonly employed in this country.

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CHAPTER I.

THE DIVISIONS OF THE ENCEPHALON.

As the division of the encephalon, or brain, into its several parts is based upon the embryological development of that organ, it will be necessary to briefly consider the early development of the central nervous system.

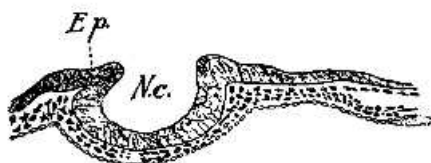


Fig. 1.—Transverse section of first-day chick (after Duval).
Ep., Epiblast. *N. c.*, Neural canal.

The cerebro-spinal nervous system makes its first appearance as two ridges of epiblast bordering a groove in the median line (Figs. 1 and 2). As these ridges increase in elevation, they soon meet over the back of the groove, which

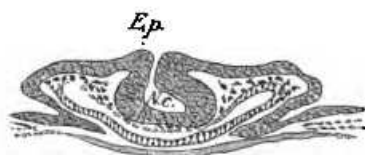


Fig. 2.—Transverse section of first-day chick (after Duval).
Reference letters as in Fig. 1.

thus becomes a canal: the neural canal. At this period the embryonic nervous system may be represented as a cylinder whose walls are formed by epithelial cells; in this stage it is called the neural axis. While the great majority of the cells become differentiated into neurones and their supporting