

**THE NEWER PHYSIOLOGY
IN SURGICAL AND
GENERAL PRACTICE**

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The newer physiology in surgical and general practice by A. Rendle Short

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THE NEWER PHYSIOLOGY IN SURGICAL AND GENERAL PRACTICE

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PREFACE TO THIRD EDITION

READERS of the first edition of this book will find that approximately half of the present volume is new, hence the change in title. Large sections have been omitted to make room for these additions without greatly increasing the size of the book.

In the third edition, new chapters are introduced on vitamins and the genital glands; the articles on surgical shock, the digestive apparatus, the pituitary and pineal glands, and on chloroform poisoning are largely rewritten. There are also important additions to the chapters on the thyroid gland and the physiology of the spinal cord, besides minor changes elsewhere.

A. R. S.

June, 1914.

PREFACE TO FIRST EDITION

THESE chapters are intended for the general practitioner, the consulting surgeon, and candidates for the higher examinations in physiology.

There was a time when one man could be physiologist and surgeon too, but the rapid march of progress in each field has left a great gap between the sciences which is continually widening. The triumphs of the surgeon are unknown to the physiologist, and the converse is equally true. Yet many of the discoveries of the past ten years which have so changed the face of physiology are fraught with vast possibilities for the clinician. This book is an attempt to sift out from the New Physiology that which is likely to be of value in the actual diagnosis and treatment of patients.

It would be a small service to lay before the practical reader mere theories or guess-work. With but few exceptions, only the established and settled conclusions arrived at by many competent and independent workers have been introduced. Part of the chapter on cutaneous anæsthetics and a few other researches and passing suggestions for which the author is personally responsible must stand in a different category.

An effort has been made to explain matters so simply that they may be intelligible to those having the most elementary knowledge of physiology, and all technical terms have been avoided or defined.

There are excellent manuals now published treating of the application of physiology to diseases which principally concern the consulting physician. This little book limits itself to surgical problems, and to the common every-day aspects of disease that confront us all, physicians, surgeons, and general practitioners alike.

I owe a debt of thanks to my chief, Professor A. F. Stanley Kent, for some valuable suggestions and criticisms.

A. R. S.

BRISTOL,

September, 1911.

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