

**A GUIDE TO THE EXAMINATION
OF THE URINE: DESIGNED
CHIEFLY FOR THE USE OF
CLINICAL CLERKS AND
STUDENTS**

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A Guide to the Examination of the Urine: Designed Chiefly for the Use of Clinical Clerks and Students by J. Wickham Legg

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WORKS BY THE SAME AUTHOR.

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"The author has enjoyed the opportunity of making numerous observations upon bleeders; and by a conscientious use of the literature of the subject, he has succeeded in producing a most excellent work, which not only supplies a deficiency amongst English books, but also contains many original observations and theories, new to German science."—*Schmidt's Jahrbücher.*

"Dr. Legg deserves the thanks of the profession for this exceedingly painstaking and laborious compilation, which, containing as it does the opinions of 163 writers who have touched upon the disease, cannot fail to impart to its readers as much learning on the subject as it is possible to derive from mere book-reading..... We are deeply indebted to Dr. Legg for this painstaking monograph, which comes before the world in a most elegant form, and is a credit alike to the author and publisher."—*Lancet.*

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STUDENTS

BY

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Fourth Edition.



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INTRODUCTION.

THIS little work is intended to supply the clinical clerk and student of medicine with a concise guide to the recognition of the more important characters of the urine; and from its small size to serve as a companion at the bedside to the busy practitioner, who may be unable to consult the larger works on the subject. A plan for the examination of the urine, step by step, has been given, with an account of the method for ascertaining the nature of those alterations that most frequently occur in disease. An appendix has been added in which the manner of estimating the urea, chlorides, phosphates, sugar, &c., by volumetric or other rapid analysis has been described.

London, *September*, 1869.

ADVERTISEMENT TO THE FOURTH
EDITION.

The fourth edition has been carefully revised.
An account of Dr. Russell and Dr. Samuel
West's method of estimating urea has been
added to the appendix.

47 Green Street.

June 27, 1876.

A GUIDE
TO THE
EXAMINATION OF THE URINE.

In order that the examination of the urine may be made on a definite plan, the following scheme, in which the most important clinical facts are directed to be ascertained, is recommended to the student. The order of examination that is here given should be followed, the details of each operation being described on the page stated at the end of each paragraph.

**SCHEME FOR THE EXAMINATION OF
THE URINE.**

- I. Observe the colour of the urine, its appearance, if clear, smoky, turbid, &c. (page 3.)
- II. Ascertain the specific gravity, (page 6.)
- III. Examine the reaction, whether acid, neutral, or alkaline, by means of litmus or turmeric paper, (page 9.)