

**LECTURES ON BRIGHT'S
DISEASE:
DELIVERED AT THE ROYAL
INFIRMARY OF GLASGOW**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649522941

Lectures on Bright's Disease: Delivered at the Royal Infirmary of Glasgow by D. Campbell
Black

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

D. CAMPBELL BLACK

**LECTURES ON BRIGHT'S
DISEASE:
DELIVERED AT THE ROYAL
INFIRMARY OF GLASGOW**

BRIGHT'S DISEASE.

LECTURES ON
BRIGHT'S DISEASE:

DELIVERED AT THE ROYAL INFIRMARY OF
GLASGOW.

BY
D. CAMPBELL BLACK, M.D., L.R.C.S., EDIN.,
AUTHOR OF "OBSERVATIONS ON THERAPEUTICS AND DISEASE," "THE
FUNCTIONAL DISEASES OF THE URINARY AND
REPRODUCTIVE ORGANS," ETC., ETC.

LONDON:
J. & A. CHURCHILL, NEW BURLINGTON STREET.

MDCCCLXXV.

151. m. 319.

GLASGOW :
PRINTED BY JAMES HAMILTON, 164 TRONGATE.

P R E F A C E .

THE following Lectures were delivered at the Royal Infirmary of Glasgow during the author's official connection with that institution. They were afterwards published in *The Medical Press and Circular*. The subjects treated of are regarded in strict conformity with the views enunciated in the author's pamphlet "On Therapeutics and Disease," published in 1870. Of these opinions, at the time, some were considered novel, if not outré. The satisfaction of seeing many of them adopted by leading members of the profession, even without acknowledgment, is here avowed. Prominently among these may be noted the important rôle ascribed to the products of retrograde metamorphosis as morbid agents, and the explanation of the therapeutic effects of alkalies in lithiasis.

Now offered in this form, revised and amplified, the hope is indulged that the lectures may prove acceptable to some of those who heard them with such courteous attention, to others of the class for whom they were intended, and to practitioners whose time and opportunities preclude the study of more elaborate works.

D. C. B.

29 MONTAGUE PLACE,
RUSSELL SQUARE, LONDON, W. C.

CONTENTS.

LECTURE I.

	PAGE.
INTRODUCTORY OBSERVATIONS—<i>Functions and Structure of the Kidney—Human Urine; its Physical Characteristics and Daily Quantity—Ultimate Composition of the Living Organism—Cells; their Properties—Minute Structure of the Kidney—Circulation of Blood in the Kidney—Urea; whence derived; its Amount in the Renal Artery and the Renal Veins—Mode in which Urine is secreted—Health of a Part; on what dependent—Influence of the Nervous System on the Circulation of the Blood—Experiments of Bernard—Section of the Sympathetic; its Immediate Effects, and Analogy with the Influences of Mental Impressions; Effects of Cold upon the Circulation of the Blood—Albumen in the Urine—Law of Material Correlation, ...</i>	9

LECTURE II.

Chronic Nephritis and "Bright's Disease"—Hippocrates on Dropsies—Cruikshank's differentiation of Dropsies—Etiology of Cachectic Nephritis—Divisions and Varieties of Bright's Disease so-called; of Christison, Martin-Solon, Rayer, and Johnson—Dr. Johnson's "Small Red-glandular Kidney"—"Large White Kidney"—"Granular Fat Kidney"—The Lardaceous, or Waxy Kidney—The Contracted, or Granular Kidney,.....	34
---	----

LECTURE III.

Appearances produced by Disordered Circulation in the Kidney—Appearances produced by Cachectic Conditions of the Blood, and due to perverted Chemical Changes—<i>Post-mortem</i> appearances of Simple Nephritis—Cachectic Nephritis a Blood Disease—Condition of the Blood in Cachectic Nephritis—Period of life at which Bright's Disease most frequently occurs—Amyloid Changes—Tube Casts; their Signification—Relation of Epithelial Desquamation to the amount of Albumen and Salts in the Blood—Why is Dropsy not a common symptom coincidently with the "Small Red-granular Kidney?"—Causes of Cachectic Nephritis—Author's Classification of Diseases—Fatty Degeneration; its Nature—Fatty Livers of the Strasburg Geese—Relation of Fat to Fibrine, the Bile Acids, and Oleine and Margarine—Alcohol as a cause of Fatty Degeneration—Increase of Urea in the Blood in Cachectic Nephritis—Influence of the Liver in the production of Urea—Glycogen, Leucin, and Tyrosin as Liver products—Fibrine; Simon and Lehmann's views as to its production—Decreased Temperature and Uremia,	45
--	----

CONTENTS.

LECTURE IV.

The Pathology of Serous Effusions in Cachectic Nephritis—Conditions that affect the Circulation of the Blood—Changes in the Composition of the Blood as a cause of Œdema—Changes in the Vascular System—Theories of their Causation—Sir William Gull and Dr. Sutton's Views—"Arteria-Capillary-Fibrosis"—Dr. Grainger Stewart's Statistics—Analogous Changes in other Organs—Affections of the Spleen and Pancreas in Cachectic Nephritis,..... 78

LECTURE V.

Theory of Uræmic Poisoning—Vicarious Elimination; by the Skin, Bowels, &c.—Injection of Urea into the Blood; its Effects—Dr. Owen Rees' Theory of Uræmic Poisoning—Traube's Theory—Experiments of Traube, Kussmaul, and Tanner—Bence Jones on Uræmia—Frerichs, Freitz, Jaksch, Sherer, Hoppe, and Oppler on Uræmia—Cerebro-Spinal Symptoms in Uræmia—Varieties of Nervous Complications: the Convulsive Form; the Comatose Form; the Mixed Form; and Rare Form—Diagnosis of Cachectic Nephritis—Tests for Albumen in the Urine,..... 99

LECTURE VI.

Prognosis, as based on the extent of the Renal Inflammation, condition of the Urine, and Causes of Nephritis—Alcoholic Nephritis—The Relation of Albuminous Urine to Dropsy as bearing on Prognosis—Nephritis consequent on Scarlatina—Tube Casts in the Urine: their prognostic significance—Prognosis in Chronic Nephritis—Duration of Dropsy depending on Renal Disease—Tube Casts in Chronic Nephritis: the significance of their varieties—Disappearance of Dropsy: its effect on the Urinary Secretion—Concomitant Affections of other Organs.—RETROSPECTIVE SUMMARY.—Ultimate Composition of the Living Body—Varieties of Cells—Centres of Nutrition—Secretory Cells—Excretory Cells—Properties of Cells—Healthy Blood; its Relation to Protoplasm—Normal Correlation of Cell and Tissue—Influence of the Nervous System on the Circulation of the Blood—Pathological Changes in the Kidney—Influence of Alcohol on Nutrition.—TREATMENT OF NEPHRITIS.—Indications of Treatment—The so-called "Expectant Treatment"—Doctrine of "The Change of Type"—Bleeding in cases of Nephritis—Treatment of more Chronic Forms of Nephritis by alteratives—Counter-irritation—Diaphoretics—Employment of Diuretics—Employment of Diluents—Treatment of Anasarca, and Secondary Complications, 133