

**A NEW METHOD OF TREATING  
CHRONIC GLAUCOMA BASED  
ON RECENT RESEARCHES INTO  
ITS PATHOLOGY**

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A New Method of Treating Chronic Glaucoma Based on Recent Researches Into Its Pathology  
by George Lindsay Johnson

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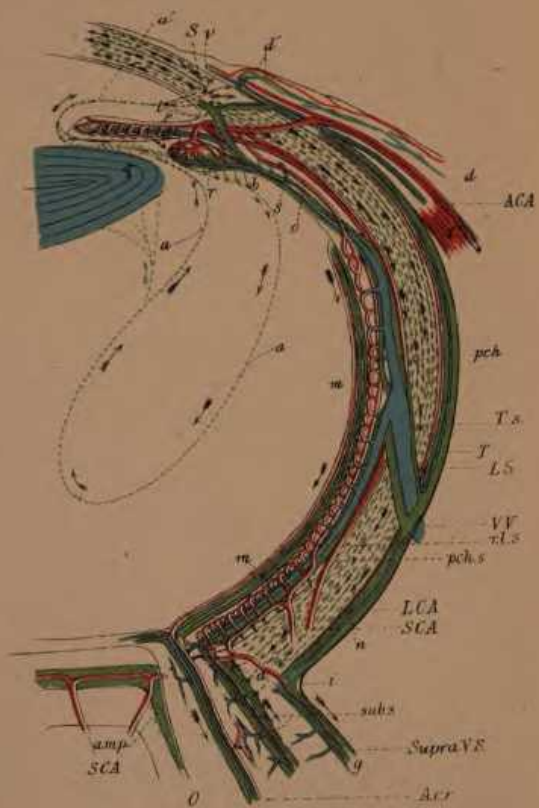
**GEORGE LINDSAY JOHNSON**

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A NEW METHOD  
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DIAGRAM OF THE LYMPHATIC & VASCULAR SYSTEMS OF THE EYE



A NEW METHOD  
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BASED ON

RECENT RESEARCHES INTO ITS PATHOLOGY.

BY

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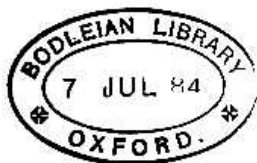
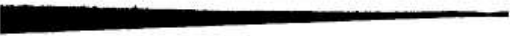
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WITH ILLUSTRATIONS.

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1884

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## PREFACE.

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THE beginning of my studies of this subject, was a thesis for the M.B. degree read at Cambridge in 1882, which had the good fortune to be specially commended by the Regius Professor of Physic.

Dr. Paget advised me to publish my thesis, and this book is the result of his suggestion. While it has been necessary to write more fully on several points than was possible in a thesis, I have endeavoured to be concise, and have only added what was necessary to elucidate the subject as a whole, and to bring it up to the level of our present knowledge.

My best thanks are due to Dr. Albert Gresswell, for revising the proofs; to Mr. Power, Mr. Rouse, Mr. Cowell, and the other surgeons at the Westminster and Moorfields' Eye Hospitals, for giving me so many opportunities of observation and research. Lastly I am deeply indebted to Dr. Brailey, for placing the magnificent collection of pathological slides at Moorfields at my disposal.

London. June, 1884

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## DESCRIPTION OF FRONTISPIECE.

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### DIAGRAM OF THE LYMPHATIC AND VASCULAR SYSTEMS OF THE EYE.

The vascular schema is copied from Leber's diagram in Stricker's Handbook. The lymphatic schema I have constructed partly from my own observations, partly from those of others.

The arteries are coloured red, the veins and lens blue, and the lymphatics green.

The course which the lymph takes from the Iris and Ciliary processes to Schlemm's canal and along the Cornea and Sclerotic is indicated by dotted lines.

*L.C.A.* Long ciliary artery.

*S.C.A.* Short ciliary artery.

*A.C.A.* Anterior ciliary artery.

*A.c.r.* Arteria centralis retinae.

*V.V.* Vena vorticiosa.

*C.* Rectus muscle.

*O.* Optic nerve.

*S.* Schlemm's canal.

*T.* Tenon's capsule.

*T.s.* Tenon's lymph space.

*pch.s.* Perichoroidal lymph space.

*Sub.s.* Subarachnoid lymph space.

*Supra. V.S.* Supravaginal lymph space.

*r.l.s.* Retinal lymph space.

*L.S.* Lymph space around the vena vorticiosa.

*amp.* Ampulla of De Wecker, a dilatation of the subarachnoid (subvaginal) space, situated between the pial and arachnoid sheaths of the optic nerve.

*a.* Track of lymph current through the media of the eye.

*b.* Lymph streams passing into the vitreous from the ciliary processes.

*d.* Conjunctiva.

*d.* Its bloodvessels.

*g.* Vessels of the iris.