

# ICO Basic Science Examinations

## Educational Technology and reading list

This guide is not comprehensive but contains some of the texts which cover the areas to be studied to acquire the knowledge to pass the examination. It also contains some free-access websites and educational courses

If you have found a text (in any language), an educational course or a free-access website that you have found helpful, I would be grateful if you would let me know- [dtaylor@icoph.org](mailto:dtaylor@icoph.org) – in that way you will be able to help other candidates achieve a pass in the examinations and improve standards in Ophthalmology worldwide. Good quality, inexpensive, educational courses are particularly difficult to find.

This was produced by Sophie Jones and David Taylor.

Please help- see last paragraph

### **Books**

#### ***Basic and Clinical Science Course (12 volumes) or CDRom***

American Academy of Ophthalmology. The 13-volume BCSC is a foundation for residents and a source of up-to-date clinical knowledge for practitioners. Revised annually, <http://www.aao.org/education/products/courses/index.cfm>

#### ***Genetics in Medicine 7th Ed 2007***

Nussbaum RL, Willard HF, McInnes RR [www.elsevier.com](http://www.elsevier.com) ISBN 13 978-1-4160-3080-5

#### ***Emery's Elements of Medical Genetics 13<sup>th</sup> Ed***

Turnpenny P, Ellard S. Saunders [www.elsevier.com](http://www.elsevier.com) ISBN 13 978-0-7020-22917-2

#### ***The Eye: Basic Sciences and Practise 2<sup>nd</sup> edition***

Forrester JV, Dick AD, McMenamin PG, Lee WR. WB Saunders Ltd. ISBN 0702025410

#### ***MCQs in Basic Science Ophthalmology, A Self-assessment Text, 2nd edition***

John Ferris BMJ Publishing Group London ISBN: 0727913778

#### ***Clinical Anatomy of the Eye***

[www.blackwellpublishing.com](http://www.blackwellpublishing.com)

Richard Snell, Michael Lemp

Blackwell Science ISBN: 063204344X

#### ***Essential Medical Statistics 2<sup>nd</sup> edition***

Betty Kirkwood & Jonathan Sterne

[www.blackwellpublishing.com](http://www.blackwellpublishing.com)

Blackwell Publishing ISBN: 0865428719

#### ***Practical Statistics for Medical Research***

Douglas G Altman

Chapman and Hall/CRC

ISBN: 0412276305

#### ***Medical Statistics Made Easy*** Harris M, Taylor G. Scion Publishing Ltd ISBN:

9781904842552

***Ophthalmic Pathology*** Sehu KW, Lee WR. Blackwell Sci. ISBN-13:978 0 727917 79

### **Reference Books**

#### ***Wolff's Anatomy of the Eye and Orbit 8<sup>th</sup> edition***

Bron AJ, Tripathi R, Tripathi B

[www.hoddereducation.co.uk](http://www.hoddereducation.co.uk)

Arnold Publishers ISBN0412410109

#### ***Adler's Physiology of the Eye , 10<sup>th</sup> edition***

Kaufmann PL, Alm A

[www.us.elsevierhealth.com](http://www.us.elsevierhealth.com)

Mosby ISBN: 0323011365

#### ***Ocular Infection and Immunity***

Pepose JJ, Holland GN, Willhelms K

[www.us.elsevierhealth.com](http://www.us.elsevierhealth.com)

Mosby ISBN 0801667577

#### **A website through which you can access a large number of Ophthalmology texts**

NOTE:-THE SPELLING IS CORRECT! [www.opthalmology.blogspot.com](http://www.opthalmology.blogspot.com)

### **For Optics and Refraction**

#### **Clinical Optics 3<sup>rd</sup> Edition**

A.R.Elkington, H.J. Frank and M.J. Greaney

[www.blackwellpublishing.com](http://www.blackwellpublishing.com)

Blackwell Science ISBN: 9780632049899

**MCQS & OSCES in Optics & Refraction** [www.blackwellpublishing.com](http://www.blackwellpublishing.com)

Bhan A, Menon V J K, Pepper I M and Whittle J. Blackwell Sci ISBN: 9780727912725

### **Publishers websites and Contacts**

Wolters/Lippincott [www.LWW.com](http://www.LWW.com)

Asia Marketing [Vincci.Chow@wolterskluwer.com](mailto:Vincci.Chow@wolterskluwer.com)

Useful and inexpensive books: <http://www.atozinophthalmology.com/>

Inexpensive quality ophthalmology texts, published in India. [www.jaypeebrothers.com](http://www.jaypeebrothers.com)

Books in English and some Chinese translations. [www.bonvision.com](http://www.bonvision.com) e-mail: [info@bonvision.com.hk](mailto:info@bonvision.com.hk)

### **Useful Websites:**

**An online 3D Anatomy available in some countries** <http://www.univadis.com>

**Success in MRCOphth by CN Chua:** [www.mrcophth.com](http://www.mrcophth.com)

**Pathology** [www.eyepathologist.org](http://www.eyepathologist.org) <http://www.eyepathuk.co.uk/>

**Ocular Pathology over 1000cases!** <http://cogancollection.nei.nih.gov/>

**The organization of the retina and visual system;**

<http://www.webvision.med.utah.edu/index.html>

### **Ophthalmic Anatomy;**

<http://www.instantanatomy.net/headneck/areas/eyeorbit.html>

<http://www.emedicine.com/Ent/topic4.htm>

<http://www.medrounds.org/ocular-pathology-study-guide/2005/10/anatomy-of-eye-study-guide-for.html>

### **Optics and refraction & MCQs**

1. <http://www.sarawakeyecare.com/Self-assessment%20in%20Optic%20and%20Refraction%20by%20Prof%20Chua,%20Dr.%20Ching,%20Dr.Ngo%20and%20Dr.%20Alhady.pdf>

2. <http://www.aoa.org/documents/CPG-16.pdf>

3. <http://www.aoa.org/documents/CPG-15.pdf>

4. <http://www.mrcophth.com/clinicaloptics/clinicalopticismcqs11.html>

5. <http://hep.ph.liv.ac.uk/~oldeman/phys210/I07.pdf>

6. <http://surendranath.tripod.com/Applets/Optics/Prism/PrismApplet.html>

7. Practical, simplified optics & refraction + clinical subjects

<http://www.rootatlas.com/wordpress/video/862/introduction-to-glasses-video/>

[www.rootatlas.com](http://www.rootatlas.com)

[www.opthobook.com](http://www.opthobook.com)

**This superb website shares experiences and resources among Ophthalmology Residencies.** <http://www.icoword.org/>

**One of their recent recommendations:-follow the instructions below**

**What to teach With: The Ophthalmic Pathology Virtual Microscope Database.** High quality histopathologic specimens, with educational information, provided by the Ophthalmic Pathology Collaborative and Educational Resource (OPCER) workgroup.

The site can be accessed at [www.slidehosting.com](http://www.slidehosting.com) using the username of 'aopath' and password of 'aperio'. Information about this project available at:

[http://www.stitch.luc.edu/depts/optha/research/virtual\\_microscopy.htm](http://www.stitch.luc.edu/depts/optha/research/virtual_microscopy.htm)

**Unattributed articles on numerous topics including basic science in ophthalmology**  
[http://en.wikipedia.org/wiki/List\\_of\\_eye\\_diseases\\_and\\_disorders](http://en.wikipedia.org/wiki/List_of_eye_diseases_and_disorders)

**World of Ophthalmology; Encyclopaedia of Ophthalmology-greatest links collection**  
(over 10,000)  
[http://www.wmed.narod.ru/w\\_ophth/w\\_ophth.htm](http://www.wmed.narod.ru/w_ophth/w_ophth.htm)

**Website for researchers, physicians and students to contact others in their field**  
[info@medicamail.com](mailto:info@medicamail.com)

**Eye News: some articles and a very useful calendar of events in the UK & worldwide**  
<http://www.pinpointmedical.com/showPublication.php?publication=eye-news>

**Learn Genetics with the University of Utah**  
<http://learn.genetics.utah.edu/>

Booksellers

**Academic books for sale and to buy.** <http://www.academicbooktrade.co.uk/>

**Abe Books – second hand books** [www.abebooks.co.uk](http://www.abebooks.co.uk)

### Search Engines

[OAI-PMH](http://www.oaister.org/) (the Open Archives Initiative Protocol for Metadata Harvesting)

<http://www.oaister.org/>

**Google Scholar :** <http://scholar.google.com/>

**Educational Courses (Help needed to increase the number of inexpensive courses worldwide: contact [dtaylor@icoph.org](mailto:dtaylor@icoph.org) with suggestions)**

**London. Biology of Vision.** <http://www.ucl.ac.uk/ioc-courses/vision>

**Bristol, England.** [www.bristol.ac.uk/clinicalsciencesouth/ophthalmology/vision/](http://www.bristol.ac.uk/clinicalsciencesouth/ophthalmology/vision/)

**London, England** <http://www.rcophth.ac.uk/scientific/meetingsandevents>

**London, England** <http://www.moorfields.nhs.uk/HealthProfessionals/MedicalEducation>

Courses information from: [anne-marie.preston@ucl.ac.uk](mailto:anne-marie.preston@ucl.ac.uk)

### Glasgow, Scotland

[http://www.rcpsg.ac.uk/Education/Events/Other/Pages/ed\\_spInterdisciplinarySymposia.aspx](http://www.rcpsg.ac.uk/Education/Events/Other/Pages/ed_spInterdisciplinarySymposia.aspx)

**UK-wide** <http://www.mrcophth.com/eyecourses1.html>

[http://www.google.co.uk/search?source=ig&hl=en&rlz=1G1GGLQ\\_ENGB265&=&q=Ophthalmology+Courses&btnG=Google+Search&meta=](http://www.google.co.uk/search?source=ig&hl=en&rlz=1G1GGLQ_ENGB265&=&q=Ophthalmology+Courses&btnG=Google+Search&meta=)

### World-wide

**Google:** Ophthalmology courses and Australia/India/Hong Kong etc

<http://www.aao.org/meetings/>

[http://www.google.co.uk/search?hl=en&rlz=1G1GGLQ\\_ENGB265&q=Ophthalmology+Courses+and+USA&btnG=Search&meta=](http://www.google.co.uk/search?hl=en&rlz=1G1GGLQ_ENGB265&q=Ophthalmology+Courses+and+USA&btnG=Search&meta=)

### Walsh & Hoyt's Neuro-ophthalmology- much physiology & anatomy included

[http://books.google.co.uk/books?id=9RA2ZOPRuhgC&pg=PA30&lpg=PA30&dq=Optic+chiasm+blood+supply&source=bl&ots=LwHCH8YfEv&sig=2aDDE-hsnfGbHagUYTBIRDnCG7o&hl=en&ei=ioIJSzQKMWZjAf6hMCQCw&sa=X&oi=book\\_result&ct=result&resnum=4#PPA32,M1](http://books.google.co.uk/books?id=9RA2ZOPRuhgC&pg=PA30&lpg=PA30&dq=Optic+chiasm+blood+supply&source=bl&ots=LwHCH8YfEv&sig=2aDDE-hsnfGbHagUYTBIRDnCG7o&hl=en&ei=ioIJSzQKMWZjAf6hMCQCw&sa=X&oi=book_result&ct=result&resnum=4#PPA32,M1)

### Ethics

<http://priority.com/ethics.htm>

**We would like to turn this list into a Wiki with a lot of content from readers, particularly recent ICO Examination candidates. There will be editorial control but if you have found any courses, books or websites particularly helpful- let me know! [dtaylor@icoph.org](mailto:dtaylor@icoph.org) We particularly need inexpensive courses anywhere in the world but particularly in Asia, Africa and the Americas and books & websites in non-English languages.**