

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 - 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 CD Rom

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, the BCSC covers everything from basic anatomy, optics, and pathology to such specialised topics as retina, glaucoma, and cataract. <http://www.aao.org/education/products/courses/index.cfm>

Genetics in Medicine 7th Ed 2007

Nussbaum RL, Willard HF, McInnes RR Elsevier www.elsevier.com ISBN 13 978-1-4160-3080-5

Emery's Elements of Medical Genetics 13th Ed

Turnpenny P, Ellard S. Saunders www.elsevier.com ISBN 13 978-0-7020-22917-2

The Eye: Basic Sciences and Practise 2nd edition

Forrester JV, Dick AD, McMenemy 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

Richard Snell, Michael Lemp www.blackwellpublishing.com

Blackwell Science ISBN: 063204344X

Essential Medical Statistics 2nd edition

Betty Kirkwood & Jonathan Sterne Blackwell Publishing www.blackwellpublishing.com 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 Publishing. ISBN-13:978 0 727917 79

Library Reference Books

Wolff's Anatomy of the Eye and Orbit 8th edition

Bron AJ, Tripathi R, Tripathi B

www.hoddereducation.co.uk

Arnold Publishers ISBN0412410109

Adler's Physiology of the Eye, 10th edition
Kaufmann PL, Alm A

www.us.elsevierhealth.com
Mosby ISBN: 0323011365

Ocular Infection and Immunity
Pepose JJ, Holland GN, Wilhelmus K

www.us.elsevierhealth.com
Mosby ISBN 0801667577

For Optics and Refraction

Clinical Optics 3rd Edition www.blackwellpublishing.com
A.R.Elkington, H.J. Frank and M.J. Greaney Blackwell Science ISBN: 9780632049899

MCQS & OSCEs in Optics & Refraction www.blackwellpublishing.com
Bhan A, Menon V J K, Pepper I M and Whittle J Blackwell Science ISBN: 9780727912725

Publishers websites and Contacts

Wolters/Lippincott www.LWW.com

Asia Marketing Vincci.Chow@wolterskluwer.com

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

Inexpensive quality ophthalmology texts, published in India. www.jaypeebrothers.com

Books in English and some Chinese translations. www.bonvision.com e-mail: info@bonvision.com.hk

Useful Websites:

Success in MRCOphth by CN Chua: www.mrcophth.com

Pathology 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.%20Chieng,%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/clinicalopticmcqs11.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
www.opthobook.com

This website intends to share experiences and resources among Ophthalmology Residencies.
<http://www.icoword.org/>

Unattributed articles on numerous topics including basic science in ophthalmology
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_opth/w_opth.htm

Website for researchers, physicians and students to contact others in their field
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

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 with suggestions)

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

Bristol, England. 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

Glasgow, Scotland

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=

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=

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=ioIJSozQKMWZjAf6hMCQCw&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=ioIJSozQKMWZjAf6hMCQCw&sa=X&oi=book_result&ct=result&resnum=4#PPA32_M1)

Ethics

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

We would like to turn this list into a form of Wiki with a lot of content submitted by readers, particularly readers who are ICO Examination candidates or those who have recently passed the exam. There will have to be editorial control but if you have found any courses, books or websites particularly helpful- let me know! 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.

