

DOCET team scoops prestigious award

DOCET is delighted to announce that its "Developing Clinical Skills" DVD has won the Bronze award in the Practical Training category at the IVCA (International Visual Communications Association) Awards. The awards, which took place on 30 March at the Grosvenor House Hotel in London, are regarded by many as the most important event of its kind in the world.

The DVD was produced by Cheerful Scout last year after the DOCET Executive Committee identified advanced investigative techniques as one of the priority training areas for optometrists. For the first time, the DVD allowed practitioners to view optometric examination techniques from the perspectives of both the patient and the optometrist.

"This was DOCET's most innovative training project yet"

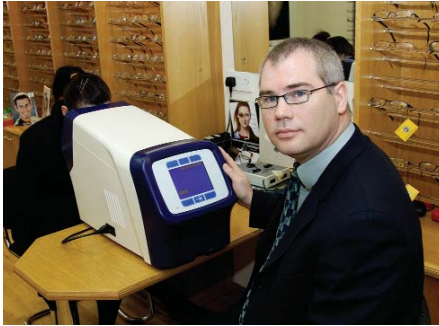
Alena Crook, Project Manager for DOCET, commented "This was DOCET's most innovative training project yet, combining interactive DVD technology with comprehensive and up-to-date information on optometric practice. Feedback from optometrists to the DVD has been positive and we are delighted to receive such a prestigious award."



Alena Crook with Andrew Harvey and Ben Tunningley of Cheerful Scout receiving the award at Grosvenor House

● ● ● Within OQ62

The MacuScope™



This new piece of kit aims to enable community optometrists to measure macular pigment density.



Polly Dulley talks to John Nolan, Deputy Director of the Macular Pigment Research Unit at Waterford Institute of Technology. We also hear from David Crystal of Edinburgh, who's planning to use a MacuScope in his practice.

The ocular response analyzer

The latest technology to challenge the Goldman gold standard in tonometry by taking into account corneal biomechanics.



Gwyenth Morgan talks to Kirsten Hamilton of Cardiff University.

Conductive keratoplasty

CK is now widely available throughout the UK. Hugh Breakspear explores the implications for



community optometrists with Gareth Paterson, optometrist and professional services manager at the Advance VisionCare Refractive Surgery Clinic in Harley Street.

Quarterly review

Geoff Roberson's regular research round-up.



● ● ● DOCET.info goes green

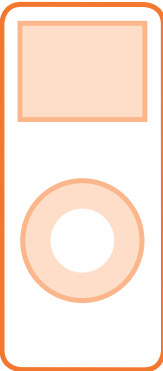
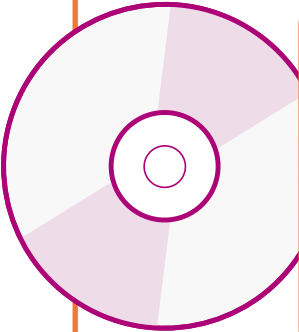
Starting with this issue, the paper on which DOCET.info is printed has been changed to one that is more environmentally friendly. This new paper is both ISO 14001 and PEFC (Programme for the Endorsement of Forest Certification) accredited, which provides assurance that it is promoting the sustainable management of forests.

We will shortly start printing the OQ CD and tape inserts on environmentally friendly paper, and have committed to making sure that as much of our activities as possible are conducted in accordance with sound environmental practices.



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Optometric Quarterly moves to CD



From this issue onwards the default format for the **OQ audio files will be CD**, and all optometrists – unless they have requested otherwise – will now receive these files on CD.

If you have received a CD but would like to continue to receive OQ on tape please email DOCET at docet@college-optometrists.org or phone 020 7766 4364.

Don't forget that OQ is also available as a **podcast**: to subscribe visit the **DOCET website** – www.docet.info – and click the link on the home page.

MCQs

MCQs for OQ62

- 1 Which of the following statements about the MacuScope is FALSE?
 - a. It measures the optical density of macula pigment
 - b. It uses heterochromatic flicker photometry
 - c. It is not affected by media abnormalities
 - d. It is an objective test
- 2 Which of the following statements is TRUE?
 - a. Macula pigment is a weak antioxidant
 - b. Macula pigment is entirely of dietary origin
 - c. AMD sufferers have high dietary but low serum levels of Lutein and Zeaxanthin
 - d. Dietary supplementation will only work on patients who have early AMD
- 3 On average how much lower is the second pressure level measured by the ocular response analyzer?
 - a. 2 mm Hg
 - b. 8 mm Hg
 - c. 11 mm Hg
 - d. 16 mm Hg
- 4 In CK how many spots are used to correct unwanted astigmatism in cataract surgery?
 - a. 2
 - b. 4
 - c. 6
 - d. 8
- 5 The CAA test uses which chart symbol?
 - a. Ffookes symbols
 - b. Illiterate E
 - c. Landolt C
 - d. Lea symbols
- 6 The modified van Herick grading system is designed to improve sensitivity and specificity with which traditional grading?
 - a. 1
 - b. 1 and 2
 - c. 2
 - d. 2 and 3

Submit your answers online via
www.docet.info

MCQs continued

Answers to MCQs for OQ61

1 Which of the following is NOT a Pharmacy medicine?

- a. Chloramphenicol ointment
- b. Otrivine Antistin
- c. Sodium Chromoglycate
- d. GelTears

2 Practical experience for level 2 additional supply consists of how many clinical sessions?

- a. 5 sessions
- b. 10 sessions
- c. 12 sessions
- d. 20 sessions

3 Which of the following statements about Ranibizumab is NOT correct?

- a. It inhibits all known VEGF isoforms
- b. It is the full antibody that binds to VEGF
- c. It is licensed for all forms of “wet” AMD
- d. Higher concentrations may lead to hypertension

4 Which of the following lenses did NOT form part of the study into the visual performance of various intraocular lenses?

- a. A five-zone refractive lens with a + 3.50 near addition
- b. A diffractive lens with a + 4.00 reading addition
- c. A refractive lens with a + 4.00 reading addition
- d. A hybrid diffractive-refractive optic with a + 4.00 reading addition

5 C-3-R cross-linking treatment stiffens the human cornea and increases the biomechanical strength by a factor of:

- a. 2
- b. 2.5
- c. 4.5
- d. 6.5

6 Which of the following statements about Wilmer Ophthalmological Institute study is correct?

- a. A thinner cornea may record a higher IOP but the effect is counter balanced by a smaller and more robust optic disc
- b. the ‘pore to disc area’ ratio remains relatively constant and is not linked to disc size
- c. The deformability of a disc with smaller radius is greater than that of one with larger radius
- d. Central corneal thickness is inversely associated with optic disc area

References

The MacuScope™

Macular Pigment Research Group
<http://www2.wit.ie>
Manufacture
<http://www.macuscope.com/>

The ocular response analyzer

Manufacturer (includes free downloads of published papers)
<http://www.ocularresponseanalyzer.com>

Conductive keratoplasty

Advance VisionCare
www.ckvisioncare.co.uk/
Manufacturer
www.refractec.com/

McDonald M, Hersh P, Manche E, et al. *Conductive keratoplasty for the correction of low to moderate hyperopia: U.S. Clinical trial 1-year results on 355 eyes.* Ophthalmology 2002; 109 (11): 1978-1989.
<http://www.refractec.com/500CKRe sourceCenter.aspx>

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Two year results of conductive keratoplasty for the correction of low to moderate hyperopia.
J Cataract Refract Surg 2003; 29: 2339-2350.
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Quarterly review

Atkinson J, Braddick O, Nardini M, Anker S. *Infant hyperopia: detection, distribution, changes and correlates-outcomes from the Cambridge infant screening programs.* Optom Vis Sci 2007; 84(2): 84-96.

Baskaran M, Oen FTS, Chan Y-H, Hoh S-T, Ho C-L, Kashiwagi K, et al. *Comparison of the scanning peripheral anterior chamber depth analyzer and the modified van Herick grading system in the assessment of angle closure.* Ophthalmology 2007; 114(3): 501-506.

Chisholm CM, Evans AD, Harlow JA, Barbur JL. *New test to assess pilot's vision following refractive surgery.* Aviat Space Environ Med 2003; 74(5): 551-559.

Tan JSL, Mitchell P, Rochtchina E, Wang JJ. *Statins and the long-term risk of incident age-related macular degeneration: the Blue Mountains Eye Study.* Am J Ophthalmol 2007; 143(4):685-687.

Tan JSL, Mitchell P, Rochtchina E, Wang JJ. *Statin use and the long-term risk of incident cataract: the Blue Mountains Eye Study.* Am J Ophthalmol 2007; 143(4): 687-689.



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