

COLOURED FILTERS IN THE EYE:

Protective functions and effects on visual performance with emphasis on colour vision

17-18th November 2006, Venue: room U316

Programme

Day 1 17-Nov-2006

09:30	Coffee / Registration (Foyer of the Oliver Thompson Lecture theatre) Properties of pre-receptor filters in the eye (Chair John L. Barbur)
10:00	Optical ocular filters: are they a benefit, a nuisance, or both? Robert Weale - King's College, London, UK.
10:30	Blue light as a co-factor or risk factor in AMD John Marshall – KCL, The Rayne Institute, St Thomas' Hospital London, UK.
11:00	Optical density of the aging human ocular media Dirk van Norren - University Medical Center, Utrecht, The Netherlands.
11:30	Coffee break Effects on visual performance (Chair Robert Weale)
12:00	Effects of ocular filters on visual performance in the mesopic range John L Barbur - City University, London, UK.
12:30	Contrast acuity thresholds, chromatic sensitivity and the macular pigment optical density in the eye Marisa Rodriguez-Carmona - City University, London, UK.
13:00	Lunch and exhibits (Chair Richard A. Bone)
14:00	Macular pigment: Compensation mechanisms and effects on visual performance Billy Hammond – University of Georgia, USA.
14:30	Choosing the optimal filter in an intraocular lens Dirk van Norren - University Medical Center, Utrecht, The Netherlands.
15:00	Does macular pigment have a role to play in age-related macular degeneration? Nigel Davies – Dept of Ophthalmology, The Middlesex Hospital, London, UK.
15:30	Coffee break Measurement techniques (Chair Dirk Van Norren)
16:00	Macular pigment optical density determined by reflectometry and flicker: Is flicker the gold standard? Richard A. Bone - Florida International University, Miami, USA. Cambridge Research Systems sponsored talk
16:30	Macular pigment measurement by colour matching and by motion photometry Jack Moreland - MacKay Institute, Life Sciences, Keele University, UK.
17:00	Objective assessment of isoluminance at different eccentricities and estimation of macular pigment distribution using steady-state VEPs. Tony Robson - Moorfields Eye Hospital, London, UK.
19:00	Symposium dinner

DAY 2 18-Nov-2006

	Supplementation in relation to degenerative diseases of the eye (Chair Nigel Davies)
10:00	A decrease in serum carotenoid concentration, as caused by stanols and sterols has no impact on the macular pigment Tos Berendschot – University Eye Clinic Maastricht, Maastricht, The Netherlands.
10:30	A Study of Macular Pigment Supplementation: can we increase macular pigment optical density? Christopher Hammond - Twin Research and Genetic Epidemiology Unit, St. Thomas' Hospital, London, UK.
11:00	Influences of supplementary Lutein and Zeaxanthin on macular pigment optical density and serum concentrations of these carotenoids: The LUNA Study (Lutein Nutrition Effects measured by Autofluorescence) Meike Trieschmann – Department of Ophthalmology, St. Franziskus Hospital Münster, Germany.
11:30	Coffee break Genetic and other factors contributing to variation in MP (Chair Jack Moreland)
12:00	A twin study of macular pigment optic density Melissa Liew - Twin Research and Genetic Epidemiology Unit, St. Thomas' Hospital, London, UK.
12:30	Macular pigment in two continents John Mellerio - University of Westminster, London, UK.
13:00	Lunch and exhibits (Chair Meike Trieschmann)
14:00	Longitudinal stability of macular pigment assessed by minimum motion photometry: 4 to 8-year follow-up Jack Moreland - MacKay Institute, Life Sciences, Keele University, U.K.
14:15	Integrating macular pigment into retinal function Max Snodderly - The University of Texas, USA.
14:45	Coffee break Laboratory demonstrations
15:30	Lab demonstrations
15:45	Lab demonstrations
16:00	Lab demonstrations
16:30	Group discussion (Chair Max Snodderly) IOLs, lens absorption and MP: protective roles and effects on visual performance
17:30	Meeting ends

We are grateful to the following companies / organisations for sponsoring this meeting:

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