



ENET – European Network for Education of Trainees APPLICATION FORM ENET ACCREDITED COURSES

Course Number*	Date application received*	Date approval ENET responsible*	Date approval CME Committee*
C066	October 24th, 2011		
Classification according to EBO syllabus*			
<input checked="" type="checkbox"/> Topic A: Optics, Refraction, Strabismus, and Neuro-ophthalmology <input type="checkbox"/> Topic B: Cornea, External diseases, Orbit and Ocular adnexa <input type="checkbox"/> Topic C: Glaucoma, Cataract, and Refractive surgery <input type="checkbox"/> Topic D: Posterior segment, Ocular inflammation and Uveitis			

* To be filled in by European Network for Education of Trainees (ENET) responsible

Course Director _____

1. **Name:** Ioannis Pallikaris
2. **Address:** Pallikaris@med.uoc.gr
3. **E-mail:** Institute of Vision and Optics-University of Crete, Greece

Supportive society (in due order with UEMS accreditation) _____

4. **Society:** ESCRS
5. **Course date/hour:** Friday 03/02/2012, 08.30 – 15.40pm
6. **Location:** Hilton Prague Hotel,
Pobrezni 1 Prague, 186 00, Czech Republic
7. **UEMS application:** **introduced:**
in due order:

General information _____

8. **Course Title:** Basic Optics Course
9. **Course Duration:**

<input type="checkbox"/> 1-hour course (1-3 speakers)	<input type="checkbox"/> 2-hours course (4-6 speakers)
<input type="checkbox"/> 3-hours course (6-8 speakers)	<input checked="" type="checkbox"/> 1 day course (15 speakers)
10. **Course Format:**

<input checked="" type="checkbox"/> Formal lecture	<input type="checkbox"/> Commented diaporama
<input type="checkbox"/> Video-based course	<input type="checkbox"/> Case presentations
<input type="checkbox"/> On-line course	<input checked="" type="checkbox"/> E-learning
11. **Course Level:**

<input checked="" type="checkbox"/> Basic	<input type="checkbox"/> Advanced
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Faculty

	<u>Name</u>	<u>E-mail</u>	<u>Setting</u>
1.	Frans Van de Velde	vdv@sloreseach.org	Antwerp University Hospital, Belgium
2.	Susana Marcos	susana@io.cfmac.csic.es	Institute De Optica, CSIC, Spain
3.	Adrian Glasser	aglasser@uh.edu	College Of Optometry , University Of Houston, United States
4.	Tom Van den Berg	t.j.vandenberg@nin.knaw.nl	Neth. I. Neurosc. Royal Academy The Netherlands
5.	Marie-Jose Tassignon	marie-jose.tassignon@uza.be	Antwerp University Hospital, Belgium
6.	Jos Rozema	rozema.jos@gmail.com	Antwerp University Hospital, Belgium
7.	Wolfgang Haigis	w.haigis@ungenklinik.uni-wuerzburg.de	University of Wuerzburg, Germany
8.	Ray Applegate	rapplegate@optometry.uh.edu	College Of Optometry, University Of Houston, United States
9.	Ioannis Pallikaris	Pallikaris@med.uoc.gr	Institute of Vision and Optics- University of Crete, Greece
10.	Sotiris Plainis	Plainis@med.uoc.gr	University of Crete, Greece
11.	Pablo Artal	pablo@um.es	Univ. Murcia ,Spain
12.	H. Ginis	ginis@med.uoc.gr	University of Crete, Greece
13.	Aris Pallikaris	apallik@med.uoc.gr	Institute of Vision, Department of Medicine, Heraklion, Greece



14.	Boris Malyugin	boris.malyugin@gmail.com	S. Fyodorov Eye Microsurgery Complex, Russia
15.	Oliver Stachs	oliver.stachs@med.uni-rostock.de	University of Rostock, Germany

Course synopsis (max. 10 lines)

This symposium teaches optical principles that are basic to understand certain aspects of physiological optics of the eye. In particular, the estimation of visual performance of the human eye is not confined to only measuring visual acuity. Other biometric parameters of the eye correspond to specific values of contrast, glare, optical aberrations, and together they determine the quality of an image as perceived by the patient.

Ageing of the optical system will result in presbyopia. The knowledge of physiopathological mechanisms that underlie accommodation for far and near vision over a life span will help to better understand the optical performance characteristics of the IOLs that are designed to replace the natural human lens.

This course is highly recommended for all future ophthalmologists interested in vision problems related to cataract and refractive surgery.

Aim(s) of the course (max. 10 lines)

This course will explain several recently introduced concepts and terminologies relating to tests that help the ophthalmologist assess the quality of vision beyond measuring traditional Snellen acuity.

For example, Modulation transfer function (MTF), Point spread function (PSF) and the Root mean square value (RMS) of Zernike polynomials describing ocular wave front aberrations, are new important parameters that can appropriately describe quality of vision or imaging. These terms should belong to the active glossary of the ophthalmologist.

The latest techniques available to measure anatomical and physical properties of the eye are exposed. They include aberrometry, anterior segment Scheimpflug and OCT imaging and measurement of glare and contrast sensitivity.

Achievements (what will the participant achieve in knowledge)

The participant in this course will obtain an overview of objective and subjective psychophysical methods that evaluate the optics of the eye. The participant will have better insight in physiological optics; going much deeper than measuring visual acuity alone would allow. The participant will better understand the relation between new descriptive parameters of optical quality and patient's complaints. This course will therefore help the participant better understand the effects of cataract and refractive surgery on the quality of vision of the patient.



Course outline (please specify or add a flyer) _____

	<u>Name</u>	<u>Topic title</u>	<u>Time (min)</u>
1.	F. Van de Velde	Light propagation in the eye	20 mins
2.	S. Marcos	Aberrations of the optical system	25 mins
3.	A. Glasser	Optics of crystalline lens and accommodative response	20 mins
4.	T. Van den Berg	Straylight: Importance of different domains of the point-spread function	20 mins
5.	M.J. Tassignon	IOL optics	20 mins
6.	J. Rozema	Epidemiology of the optical parameters of the eye	20 mins
7.	W. Haigis	IOL power calculation	20 mins
8.	R. Applegate	Retinal image quality	20 mins
9.	I. Pallikaris	Presbyoptics	20 mins
10.	S. Plainis	State of the art assessment of visual acuity and contrast sensitivity	20 mins
10.	P. Artal	Visual function assessment using adaptive optics	20 mins
11.	H. Ginis	Modelling visual function	20 mins
12.	A. Pallikaris	Confocal microscopy, from research to clinical practice	20 mins



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13.	J. Rozema	Scheimpflug imaging, from research to clinical practice	20 mins
14.	B. Malyugin	OCT imaging, from research to clinical practice	20 mins
15.	O. Stachs	Very high frequency ultrasound imaging, from research to clinical practice	25 mins



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Agreement (to be filled in by the Course Director) _____

I hereby agree

- to distribute the evaluation forms prior to the start of the course
- to collect the evaluation forms after the course and send these to Dara Conlon:
*Dara Conlon, Agenda Communications, Temple House, Temple Road, Blackrock, Co. Dublin, Ireland,
Tel. +353 12 09 11 00, Fax +353 12 09 11 12, E-mail: dara.conlon@agenda-comm.ie*
- to wave registration fee for the peer reviewer

Name & Signature:

Date:

24/10/2011



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Application Form to be sent to _____

Marie-José Tassignon, Antwerp University Hospital, Department of Ophthalmology, Wilrijkstraat 10, 2650 Edegem, Belgium, Tel. +32 3 821 33 77, Fax +32 3 825 19 26, E-mail: marie-jose.tassignon@uza.be

Items to be verified by the ENET responsible* _____

- Application form
- Supportive society
- UEMS application
- Faculty meets the criteria
- Synopsis
- Aim(s)
- Achievements
- Course outline
- MCQ-form (in attachment)

After approval of the ENET responsible, this application form will be forwarded for approval to the CME Committee:

Talin Barisani-Asenbauer, Medical University Vienna, Department of Ophthalmology and Optometry, Waehringer Guertel 18-20, 1090 Vienna, Austria, E-mail: talin.barisani@meduniwien.ac.at