

ESONT

European Society of Ophthalmic
Nurses & Technicians



ESONT MEETING

SUNDAY 8 OCTOBER

10.30 – 12.00

PORTUGUESE SYMPOSIUM

Qualidade e Segurança nos Procedimentos na Cirurgia Refractiva (Quality and Safety Procedures in Refractive Surgery)

Room 3.4

Presentations will be in Portuguese with simultaneous translation into English

Moderadores/Chairpersons: **M. Acebal** *SPAIN*
C. Relha *PORTUGAL*
F. Ribeiro *PORTUGAL*

- 10.30 **V. Fernandes** *PORTUGAL*, **F. Zacarias** *PORTUGAL*
Protocolo pré cirúrgico catarata para LIO premium (LIO Premium: preoperative protocol)
- 10.46 **S. Escandon-Garcia** *PORTUGAL*
Disfotopsias na cirurgia de extração de cristalino claro: avaliação pré e pós em condições escotópicas (Dysphotopsias in PRELEX surgery: pre and post evaluation under dim illumination)
- 11.02 **S. Filipe** *PORTUGAL*
Segurança nos implantes intraoculares (Intraocular implant security)
- 11.18 **S. Hipólito** *PORTUGAL*, **C. Relha** *PORTUGAL*
Procedimentos de segurança e follow-up para cirurgia queratorefractiva (Keratorefractive surgery: quality follow-up procedures)
- 11.34 **F. Mateus** *PORTUGAL*
A satisfação do cliente submetido a cirurgia queratorefractiva (Patient satisfaction after keratorefractive surgery)
- 11.50 Discussão (Discussion)
- 12.00 Fim da sessão (End of session)

12.45 – 13.45

INTERNATIONAL FORUM

Vision of Visions

Room 4.5

Chairpersons: **S. Albrecht** *SWEDEN*, **L. Tomlin** *UK*

- 12.45 **S. Albrecht** *SWEDEN*
Vision
- 13.00 **N. Shah** *UK*
LogMAR vision
- 13.15 **L. Tomlin** *UK*
What your patient can really see?
Case studies and voting on difficult vision
- 13.30 Discussion
- 13.45 End of session

The forum will include presentations about the gold standard of vision testing and the difference between LogMar and other tests. The audience will be able to vote on the best strategies to adopt to get the perfect vision for a number of difficult patients.

14.30 – 16.30

FREE PAPER SESSION

Room 3.4

Chairpersons: **S. Albrecht** *SWEDEN*
L. Tomlin *UK*

- 14.30 **I. Rodriguez-Perez** *SPAIN*
Myopic laser in situ keratomileusis (LASIK) outcomes using three different femtosecond lasers: one mechanical microkeratome and the same excimer laser
- 14.40 **G. Lauzirika Saez** *SPAIN*
Visual acuity and optical density comparing three different femtosecond laser devices to treat myopia
- 14.50 **R. Aranda Benito** *SPAIN*
Visual outcomes and flap thickness after myopic LASIK: a comparison of three femtosecond devices
- 15.00 **C. Bouza-Miguens** *SPAIN*
Corneal flap morphology and visual outcomes after FS-LASIK surgery assisted by LenSx® and IntraLase®: a comparative study
- 15.10 Discussion
- 15.20 **C. Lledo** *SPAIN*
Comparison of postoperative discomfort between two different surface ablation techniques
- 15.30 **P. Marques** *PORTUGAL*
Use of autologous serum eye drops: our experience and practice
- 15.40 **H. Kurk** *THE NETHERLANDS*
Astigmatic keratotomy: does it still have a role in refractive surgery?
- 15.50 **E. Szoke** *HUNGARY*
Meibomian gland dysfunction: the role of the nurse in patient education
- 16.00 **C. Cantante** *PORTUGAL*
E-eye: new treatment for dry eye
- 16.10 **S. Manfredini** *ITALY*
New systems toric IOL centration
- 16.20 Discussion
- 16.30 End of session

ESONT POSTER COMPETITION 2017

eTerminals are located in the Poster Village

The winner of the 2017 Poster Competition will be announced at the beginning of the ESONT Symposium on Monday 9 October at 11.00 in Room 4.1

G. Bento *UK*

Foveal avascular zone assessment with swept source OCT angiography of fellow eyes in Coats disease

B. Blanco *SPAIN*

Evaluation of corneal thickness using two different non-contact devices in adult eyes

C. Bouza-Miguens *SPAIN*

Visual, refractive, and corneal flap outcomes at short time postoperative follow-up using two femtosecond laser platforms: Intralase® vs Victus®

V. Carrillo Ramos *SPAIN*

Comparison of three non-contact devices for measuring central corneal thickness

S. Daryabari *IRAN*

Phacomorphic glaucoma as a first manifestation of the uveal malignant melanoma: a case report

M. Davari *IRAN*

Social determinants in ocular diseases

M. Del Pilar Lorente Hevia *SPAIN*

Clinical results in a patient with keratoconus with low visual acuity

C. Giordano *ITALY*

OCT system anterior segment

K. Hall *UK*

Orthoptist eye screening: juvenile idiopathic arthritis (JIA)

F. Heidari *IRAN*

A comprehensive meta-analysis on intraocular pressure and central corneal thickness in healthy children

S. Heydari *IRAN*

Epidemiology of cataract surgery in Noor Ophthalmology Clinic of Birjand in 2015-2016

G. Jafari-Yeganeh *IRAN*

Avicenna's viewpoints in ocular diseases

S. Ortiz-Toquero, I. Sanchez, G. Rodriguez, V. De Juan,

R. Martin *SPAIN*

Evaluation of intereye asymmetry measured by Scheimpflug-Placido tomography: applicability in keratoconus diagnosis

S. Rajabi *IRAN*

A contralateral eye study comparing corneal biomechanics in bilateral keratoconus patients with unilateral corneal Vogt's striae

J. Sanchez-Pina *SPAIN*

Changes in intraocular pressure (IOP), anterior chamber angle and corneal thickness after phacoemulsification in adult eyes

I. Seatra *PORTUGAL*

Orthoptics in Portugal

E. Villar *SPAIN*

Preliminary results, epi-Bowman keratectomy (EBK) vs photorefractive keratectomy (PRK): a pilot study

MONDAY 9 OCTOBER

11.00 – 12.30

ESONT SYMPOSIUM

What We Have Now and What We Will Have in Refractive Surgery

Room 4.1

Chairpersons: **M. Acebal** *SPAIN*
N. Astyrakakis *GREECE*
M. Cargnoni *ITALY*

- | | |
|-------|---|
| 11.00 | M. Cargnoni <i>ITALY</i>
SMILE |
| 11.15 | A. Amisano <i>ITALY</i>
SMILE: video presentation |
| 11.30 | A. De La Llama <i>THE NETHERLANDS</i>
Will excimer surgery stay as it is? |
| 11.45 | J. Martinez <i>THE NETHERLANDS</i>
Robotics and intraocular surgery |
| 12.00 | J. Villada <i>THE NETHERLANDS</i>
The future of intraocular implants |
| 12.15 | Discussion |
| 12.30 | End of Session |

ESONT GALA EVENING

Sunday 8 October

20.00

Cost per person: €25 (plus VAT)

Clube de Fado,
Rua S. João Praça, 86 – 94
(next to the Cathedral Sé)
1100 – 521 Lisboa

This year at the annual ESONT Gala evening meet with your international friends and colleagues to savour traditional cuisine while being entertained by some of the greatest Portuguese Fado voices.

Fado is the musical expression of the Portuguese people, a mirror of their identity, culture, history and you won't hear it anywhere else.

Ticket includes: welcome drink, 3 course meal with wine, after dinner drinks and an evening filled with live music & entertainment.

PLEASE NOTE: Tickets must be purchased in advance of the event from the registration desk at the congress centre.

ESONT COURSES & WETLABS

Biometry and IOL Power Calculations for Refractive Cataract Surgery

With ever-increasing patient expectations and the advent of advanced technology intraocular lenses, cataract surgery has moved into the realm of refractive surgery, demanding that we continuously evaluate the accuracy of performing preoperative measurements and IOL calculations. With the complexity of some patients such as high myopes and those that have had prior refractive surgery, this topic is more relevant than ever before. This course will review the principles of lens constant personalization, formula selection, keratometry for both monofocal and toric implants, standardization of axial length measurements with both optical and ultrasound techniques, and the most current methods for post-refractive surgery calculations. The course will conclude with a hands-on session of both optical and immersion biometry on equipment from the following manufacturers: Accutome, Ellex, Sonomed, Haag-Streit and Carl Zeiss Meditec.

B-scan Ultrasound of the Anterior and Posterior Segments

B-scan ultrasound is an invaluable tool for the differentiation of a wide range of ocular disorders. This course will discuss the diagnostic capabilities of both posterior segment B-scan and UBM of the anterior segment when optimal examination techniques are utilized. The principles involved for thorough B-scan screening of the posterior segment will be reviewed in addition to case presentations illustrating the differentiation of pathology in the vitreous, retina, choroid, sclera and optic nerve, as well as the use of diagnostic A-scan to aid in diagnoses. UBM examination techniques will also be reviewed, followed by case presentations illustrating the differentiation of iris and ciliary body pathology in addition to techniques for sulcus-to-sulcus and angle measurements. The course will conclude with a hands-on session of both posterior segment and UBM techniques on equipment from the following manufacturers: Accutome, Ellex and Sonomed.

Infection Control

The transition of healthcare delivery from hospitals to ambulatory care settings, along with ongoing outbreaks and patient notification events, have demonstrated the need for greater understanding and implementation of basic infection prevention guidance. Healthcare personnel have the potential for exposure to patients and/or to infectious materials, including body substances, contaminated medical supplies and equipment, contaminated environmental surfaces or contaminated air.

In this course we will review:

- Basic microbiology
- Concepts of infection control
- Methods used to prevent growth and speed of microorganisms:
 - Antiseptics/cleaning
 - Disinfection
 - Sterilization
- Guidelines for disinfection and sterilization

Optical Coherence Tomography for Ophthalmic Personnel

Optical coherence tomography is a technique of imaging the posterior pole using interferometry, a process analogous to ultrasound. OCT allows a tomography of the retina and its different layers with an axial resolution of 10 microns. Its final image is a false colour image representing different layers, from RPE to the RNFL layer. This permits the exact localisation of the pathology and an evaluation of its volume. OCT is an advantageous method because it is not invasive and in many cases pupil dilatation is not necessary. Good results are obtained with only 3mm dilatation. This course shows the basis of the technique, its advantages and applications, and some results in different cases of retina pathologies. Participants will have hands-on practice with the equipment.

Phacoemulsification

This hands-on wetlab course will cover wound construction, capsulorhexis, phacoemulsification, I/A and IOL implantation.

Refractive Surgery

In this course participants will have the opportunity to look at the current techniques used in refractive surgery:

- Topography: the course will contain a theoretical part and hands-on practice where participants will learn to do exams.
- Critical points about patient selection and decision-making concerning a photorefractive candidate, and evaluating quality of vision following refractive surgery.
- An overview of microkeratomes will be given, along with hands-on practice where the participants can look at assembly and tips for a safe procedure.
- Postoperative complications, emergencies and re-operations will also be covered.

Part 1 - Theory:

- Current techniques
- Evaluating visual performance following refractive surgery
- Patient selection/decision-making
- Emergencies/postoperative complications
- Re-operations

Part 2 - Practical:

- Topography
- Overview of microkeratomes

Please note: All those attending Part 2 must also participate in Part 1 of the course. However it is possible to attend Part 1 without attending Part 2.

Slit Lamps for Ophthalmic Personnel

The slit lamp is essentially a binocular microscope and is a way of combining magnification with illumination. A few basic rules can make the equipment easier to use. This course welcomes both beginners and those who have a greater understanding of the area, and will provide an informative demonstration of the microscopic slit lamp.

Visual Fields for Ophthalmic Personnel

This course provides the opportunity for hands-on learning as an introduction or as an update of your existing skills. Visual fields testing provides extremely important information and is a vital skill to master.

Course & Wetlab Schedule

Saturday 7 October

E01	08.30 – 12.30	Biometry and IOL calculations for refractive cataract surgery	Free	Room 4.3
E02	10.00 – 12.00	Refractive surgery for ophthalmic personnel (Part 1 – Theory)	Free	Room 4.2
E03	14.30 – 18.30	B-Scan ultrasound of the anterior and posterior segments	Free	Room 4.3
E04	11.00 – 13.30	Phaco for ophthalmic personnel*	€50	Wetlab Room 1
E05	14.00 – 16.30	Phaco for ophthalmic personnel*	€50	Wetlab Room 1
E06	14.30 – 16.30	Optical coherence tomography for ophthalmic personnel*	€50	Wetlab Room 2
E07	13.00 – 15.00	Refractive surgery for ophthalmic personnel (Part 2 – Practical)*	€50	Wetlab Room 3
E08	14.30 – 16.00	Infection control	Free	Meeting Center Room 3

Sunday 8 October

E09	10.30 – 12.30	Visual fields for ophthalmic personnel	Free	Room 4.5
E10	09.30 – 11.30	Slit lamps for ophthalmic personnel*	€50	Wetlab Room 4

*€50 (plus VAT) fee for this course

Course Faculty

	<i>Course Number</i>		<i>Course Number</i>
M. Acebal <i>SPAIN</i>	E08	I. Pallikaris <i>GREECE</i>	E02
N. Astyrakakis <i>GREECE</i>	E02, E07	S. Panagopoulou <i>GREECE</i>	E07
V. Diakonīs <i>GREECE</i>	E02	D. Portaliou <i>GREECE</i>	E02
M. Kynigopoulos <i>SWITZERLAND</i>	E04, E05	F. Rowe <i>UK</i>	E09
A. Lee <i>UK</i>	E10	A. Santos <i>PORTUGAL</i>	E06
D. Liakopoulos <i>GREECE</i>	E02	I. Vastardis <i>SWITZERLAND</i>	E04, E05
C. Lledo <i>SPAIN</i>	E08	R. Waldron <i>USA</i>	E01, E03

Visit the Exhibition

Don't miss the opportunity to visit over 300 companies in the exhibition. For a list of companies and a map of the exhibition, go to page 164