

## REFRACTIVE SURGERY

17 - 19 June 2024

Lugano (Switzerland)

Scientific coordinators: Mario Nubile, José L. Güell

Scientific director: Mario Romano

### SCIENTIFIC RATIONALE

The course will give to the attendees fundamental and basic knowledge on the major types of refractive surgical procedures, either based on laser corneal surgery or intraocular refractive surgery. A clinical guide to the preoperative examination and patient's characteristics indicating the feasible and preferable surgical options will be presented with evidence-based methodology. The description of the practical steps of the various excimer laser and femtosecond laser based corneal refractive techniques will be given with the support of multimodal material (presentations, surgical video and case descriptions). Finally for each surgical technique limits, complications and their management and tips and tricks for optimizing the outcomes is thoroughly discussed in the course.

17 June 2024

#### Introduction to corneal refractive surgery and surface ablations

8:45-9:00	Registration and welcoming	
09:00 - 09:30	Indications and basic preoperative examinations in refractive surgery	Pablo Infiesta-Madurga (ES)
09:30 - 10:00	<i>Advanced diagnostics in refractive surgery I: Tomography, wavefront analysis and anterior segment OCT - Virtual</i>	P. Infiesta-Madurga
10:00 -10:30	Advanced diagnostics in refractive surgery II: Ocular surface and tear film, pupillometry and corneal thickness	P. Infiesta-Madurga
10:30 - 11:00	Coffee break	
11:00 - 11:30	Basic Principles of laser refractive surgery: lasers, photoablation techniques, optical and transition zones, and smart ablations	Nuno Moura-Coelho (Portugal)
11:30 - 12:00	Postoperative management in refractive surgery: follow-up and therapy	Nuno Moura-Coelho (Portugal)
12:00 - 12.30	Corneal Laser Refractive Surgery: Excimer Laser Surface Ablations	Alessandro Mularoni (IT)
12.30 - 13.00	Q&A and Discussion	All
13:00 - 14:00	Lunch Break	

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## INSTITUTIONAL COURSE

14:00 – 14:45	Corneal and intraocular surgery: Refractive ranges, cornea, pupil and anterior chamber	A. Mularoni (IT)
14:45 – 15:15	<i>Phototherapeutic Keratectomy: Indications and techniques - Virtual</i>	Paolo Vinciguerra (IT)
15:15 – 15:30	Interactive case discussion	All
15:30 – 16:00	Coffee break	
16:00 – 16:30	<i>Surface ablation, ICR ring segments and keratoconus: indication and limits? - Virtual</i>	Javier A. Gaytán (Mexico)
16:30 – 17:00	Interactive Session: Clinical cases, tips and tricks, and critical decisions in special cases	All
17:00 – 17:30	Q&A and Discussion	All

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## Femtosecond Laser Corneal refractive surgery and phakic IOLS

09:00 – 09:30	<i>Femtosecond Laser corneal surgery from LASIK to Lenticule Extraction: principles, technologies - Virtual</i>	Jodbir S. Mehta (Singapore)
09:30 – 10:00	Femtosecond laser and LASIK techniques	Jesper Hjortdal (DNK)
10:00 – 10:30	KLEX (Kerato Refractive Lenticule Extraction)	Leonardo Mastropasqua/Mario Nubile (Italy)
10:30 – 11:00	Coffee break	
11:00 – 11:30	KLEX surgical technique: tips and tricks	Jesper Hjortdal (DNK)
11:30 – 12:00	KLEX and LASIK complications	Mario Nubile (IT)
12:00 – 12:30	Refractive re-operations after Excimer laser surgery	Mario Nubile (IT)
12:30 – 13:00	Q&A and discussion	All
13:00 – 14:00	Lunch break	
14:00 – 14:30	<i>Laser corneal techniques for presbyopia correction- Virtual</i>	Irene Sassot (ES)
14:30 – 15:00	Intraocular Refractive Surgery: basic principles of phakic IOLs (indications, range of corrections, types of lenses). Posterior chamber pIOLs	Víctor Lázaro (ES)
15:00 – 15:30	Preoperative Examinations for phakic IOLs implantation	Jorge L. Alió del Barrio

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15:30 – 16:00	Coffee break	
16:00 – 16:30	<i>Anterior Chamber pIOLs. The “iris-claw” - Virtual</i>	José L. Güell (ES)
16:30 – 17:00	Interactive discussion, follow up, complications and critical decisions in special cases	Irene Sassot (ES), J. L. Güell (virtual)
17:00 – 17:30	Q&A and discussion	All

### 19 June 2024

#### Retinopath Advanced topics in RS

09.00 – 09:30	Astigmatic correction in intraocular refractive and lens surgery	Roberto Bellucci (IT)
09:30 – 10.00	Refractive surgery with lens extraction: from clear lens extraction to fine tuning refraction in cataract	Roberto Bellucci (IT)
10.00 – 10.30	Presbyopic corrections with intraocular lenses	Roberto Bellucci (IT)
10:30 – 11:00	<i>Coffee break</i>	
11:00 – 11:30	<i>Complications management in laser Corneal refractive surgery - Virtual</i>	Mostafa Mahmud Salah (Egypt)
11:30 – 12:00	<i>Complications management in intraocular refractive surgery - Virtual</i>	Juan Álvarez de Toledo (ES)
12:00 – 12:30	<i>Challenging Refractive Clinical Cases: what to do and what to choose? - Virtual</i>	Juan Á. de Toledo (ES)
12.30 – 13.00	Q&A and Closing remarks	All
13:00 – 14:00	<i>Lunch</i>	

ESASO ETC Campus in Lugano, via Agli Orti 20, Viganello, Lugano

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