



# ESASO Anterior Segment Academy

**28 – 30 April 2016, Milano/Italy**

Istituto Clinico Humanitas  
Humanitas Congress Centre  
Via Manzoni, 56 – 20089 Rozzano, Milan

**Congress Chairmen:**  
**Josep Güell, Paolo Vinciguerra**

[www.esaso.org/2nd-esaso-anterioresegment-academy-2016/](http://www.esaso.org/2nd-esaso-anterioresegment-academy-2016/)



## Welcome from the Organising Committee

Increasingly complex issues, interdependent diagnostics and the forging of interactions among diverse fields in a new, specific yet in-depth manner point to the need for educational efforts directed towards a common objective, namely that of giving a congress that has always sought to examine the whys of events more educational and innovative content and international appeal.

Towards this end, New Trends and Refr@ctive.on-line have decided to merge paths and continue their journeys together. Our union with ESASO thus stemmed from our appreciation of its post-graduate programme as a new and innovative teaching model for the future.

In recent years, a new generation of ophthalmologists has expressed the need for a more organic and systematic way of learning, one that offers them the opportunity to enter and compete in the job market more easily and effectively.

With this purpose in mind, we launched a new proposal that applies schematic and cutting-edge teaching methods that we hope will satisfy the legitimate expectations of its users.

With the pivotal support of such prestigious institutes as IMO and Humanitas, the project will have the backing it needs to play a key role in promoting knowledge and new research in the field of ophthalmology.

With our best regards,



*Paolo Vinciguerra*

Paolo Vinciguerra  
*Scientific Director ESASO Anterior  
Segment Academy  
Director of the Ophthalmology Department – Istituto Clinico Humanitas,  
Milan, Italy*



*Josep Güell*  
*Director ESASO Anterior  
Segment Academy  
Director of Cornea and Refractive  
Surgery Unit – Instituto Microcirurgia  
Ocular (IMO), Barcelona, Spain*



*Giuseppe Guarnaccia*

Giuseppe Guarnaccia  
*ESASO Global Executive Director*

## WET LAB

28 April 2016, 10.30 – 16.00

### Excimer laser

#### Anterior Segment Surgery

Availability is limited to 20 participants each

## CONGRESS

29 April 2016, 09.00 – 18.00

30 April 2016, 09.00 – 13.00

### Astigmatism

#### What is astigmatism and the evaluation

- How different instruments measure it and the source of error (autorefr., skiascopy, keratometer (javal, hemolz) aberrometer, topographer, tomographer)
- Topography: how to evaluate it in different algorithm (elevation, instantaneous, sagittal, pupil position and angle K)
- Tomography: when is pure astigmatism
- Aberrometry: can we identify what is astigmatism and what is coma and other HOA that can apparently increase the amount of refractive astigmatism
- Refracting a pts with astigmatism, which is the best way? (Aberrometry approach)
- Anterior segment OCT and astigmatism are different layer in cornea make a difference?
- Internal astigmatism what is it?

#### The cause

- How to analyse an astigmatism
- The source of astigmatism

#### The correction on the cornea

- Surface ablation
- Intra-stromal ablation
- Custom ablation or optimized ablation
- Relaxing incision
- Intra-stromal lens
- Complication and their solution

#### The correction with intraocular surgery

- Toric IOL
- Phakic IOL
- Iris fixated
- Posterior chamber IOL
- Piggy back implants

#### Which instruments help us?

- Complication and their solution

#### The follow up: what is useful to look in the post-op? Corneal correction

- Did I change the corneal shape as planned, how to measure it?
- The way to predict regression

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