

# 21<sup>ST</sup> ESCRS WINTER MEETING Maastricht 2017

The Netherlands In conjunction with the Netherlands Intra Ocular Implant Club  
& the Belgian Society of Cataract & Refractive Surgery

10–12 February



Preliminary Programme



ESCRS

[www.escrs.org](http://www.escrs.org)

## General Information

### Venue

MECC Maastricht,  
The Netherlands

### Host

European Society of Cataract and Refractive Surgeons  
Temple House, Temple Road  
Blackrock, Co. Dublin  
Ireland

Tel: +353 1 209 1100; Fax: +353 1 209 1112

## Abstract Submission

### Deadline: 31 October 2016

Abstracts for the following presentation types should be submitted at [www.es CRS.org](http://www.es CRS.org):

- Free Paper
- Poster
- Cornea Day Case Presentation

Please check the website for topics and submission guidelines.

## Annual Cornea Day (Organised by ESCRS and EuCornea)

**Friday 10 February**  
**09.30 – 16.30**

**Chairpersons:** **J. Güell** *SPAIN (EUCORNEA)*  
**R. Nuijts** *THE NETHERLANDS (ESCRS)*

Topics will include:

- Management of corneal complications after refractive surgery
- Tips and pitfalls in corneal graft surgery: DALK, DSEK, DMEK, PK
- Ocular surface disease: what worked and what did not
- Corneal potpourri (miscellaneous cases, including corneal inflammation, degeneration, infections etc)

The Cornea Day programme will be comprised of a number of expert keynote lectures and a series of case presentations on the topics listed above.

For further details, and to submit a case presentation, go to [www.es CRS.org](http://www.es CRS.org) or [www.eucornea.org](http://www.eucornea.org)

**Deadline for submission of abstracts: 31 October 2016**

## Young Ophthalmologists Programme

### Learning from the Learners: Interactive Video Session on Cataract Surgery for Trainees

Friday 10 February  
09.00 – 13.30

Chairpersons: O. Findl *AUSTRIA*  
S. Morselli *ITALY*  
K. Vannas *FINLAND*

## Live Surgery (Organised by the Netherlands Intra Ocular Implant Club)

Saturday 11 February  
14.00 – 16.00

Moderator: R. Nuijts *THE NETHERLANDS*

Transmitted from the Maastricht University Medical Center.

## Symposium

### (Organised by the Netherlands Intra Ocular Implant Club & the Belgian Society of Cataract & Refractive Surgery)

Sunday 12 February  
11.00 – 13.00

## Surgical Skills Training Courses

An extensive programme of wetlabs will take place throughout the Meeting.  
For further information and to book courses go to [www.es CRS.org](http://www.es CRS.org).  
Please note that there is an additional charge for these courses.

## EuroTimes Satellite Education Programme

A programme of industry-sponsored satellite meetings will take place during the Meeting.  
Please check [www.es CRS.org](http://www.es CRS.org) for further information.



## Symposia

**Friday 10 February**  
**17.00 – 18.30**

### Corneal Cross-Linking Update

**Chairpersons:** **D. Epstein** *SWITZERLAND*  
**J. Vryghem** *BELGIUM*

- The impact of cross-linking on corneal transplantation
- Indications and long-term results in children
- The epi-on/epi-off controversy
- Keratoconus progression rates
- Cross-linking combined with other surgical modalities
- New modalities of cross-linking

**Saturday 11 February**  
**11.30 – 13.00**

### Long-term Complications of Refractive Surgery

**Chairpersons:** **A. Behndig** *SWEDEN*  
**R. Nuijts** *THE NETHERLANDS*

- Surprises after corneal laser refractive surgery
- Corneal implants: are they forever?
- Phakic IOLs: how long will patients remain phakic?
- Refractive lens exchange: as time goes by
- How to reduce refractive surgery complications in the future
- Alternative treatments: how to avoid surgery in myopia

**Saturday 11 February**  
**16.30 – 18.00**

### Minimally Invasive Glaucoma Surgery (MIGS) for Cataract Surgeons

**Chairpersons:** **M.J. Tassignon** *BELGIUM*  
**C. Webers** *THE NETHERLANDS*

- Systematic review of outcome of MIGS
- Indications and techniques for combined cataract and MIGS
- Ab interno subconjunctival MIGS
- Ab externo subconjunctival MIGS
- Non filtering MIGS techniques
- Future perspectives in combined cataract and glaucoma surgery

**Sunday 12 February**  
**09.00 – 10.30**

### The Usual Suspects: How to Handle Your First Complications

*Organised by the Young Ophthalmologists Committee*

**Chairpersons:** **M. Severinsen** *DENMARK*  
**N. Visser** *THE NETHERLANDS*

**Panellists:** **O. Findl** *AUSTRIA*, **B. Malyugin** *RUSSIA*,  
**R. Nuijts** *THE NETHERLANDS*, **K. Vannas** *FINLAND*

Capsular issues

- Rhexis running out
- Posterior rupture

Different IOLs and insertion techniques

- IOL types
- Inserting the IOL

The Vitreous

- The invisible vitreous
- Vitreous entrapped in the main incision/anterior vitrectomy

## Basic Optics Course

**Friday 10 February**  
**08.30 – 16.00**

### Part 1. Visual Optics

- Light propagation in the eye
- Aberrations of the optical system
- Optics of crystalline lens and accommodative response
- IOL optics
- Epidemiology of the optical parameters of the eye
- IOL power calculation

### Part 2. Visual Behaviour (Visual Function)

- Retinal image quality
- Presbyoptics
- Straylight: importance of different domains of the point-spread function
- State of the art assessment of visual acuity and contrast sensitivity
- Visual function assessment using adaptive optics
- Modelling visual function

### Part 3. Imaging The Human Eye

- Confocal microscopy, from research to clinical practice
- Measuring of biomechanics of the cornea
- OCT imaging, from research to clinical practice
- Corneal topography challenges

## Cataract Surgery Didactic Course

**Friday 10 February**  
**14.30 – 17.00**

### Part 1

- The pilot and the cataract surgeon: avoiding complications
- What do I want from my trainer?
- The ergonomics of cataract surgery
- The capsule
- Biometry: precision IOL calculations
- Incisions: creating the perfect wound
- Viscoelastics: creating space - protecting tissue
- Postoperative ametropia correction: laser refractive surgery

**Saturday 11 February**  
**08.00 – 12.30**

### Part 2

- 21st century phaco dynamics
- Complications and complex cases: advanced phaco techniques
- Femtosecond lasers and cataract surgery
- Femto phaco for complex cases
- Intraocular lens design
- Presbyopia correction with intraocular lenses
- Intraoperative correction of astigmatism: toric intraocular lenses
- Intraoperative correction of astigmatism: laser and knife incisions
- Supplementary lenses



## Refractive Surgery Didactic Course

**Friday 10 February**  
**14.45 – 17.00**

### Part 1

- Patient selection and preoperative preparation
- Lasers in refractive surgery
- Corneal topography and IOL power calculation
- LASIK: surgical technique
- Surface ablation techniques
- Results of corneal refractive surgery

**Saturday 11 February**  
**08.00 – 12.35**

### Part 2

- Incisional and coagulative corneal procedures: principles, technique and results
- Overview of microkeratomes
- Intrastromal corneal implants
- Refractive lens exchange
- Overview of phakic IOLs
- Multifocal IOLs
- Presbyopia
- Quality of vision evaluation
- Biomechanics of the cornea
- Refractive reoperations and enhancements
- Non-optical complications of LASIK and corneal surgery
- Optical complications of refractive surgery
- Complications of phakic IOLs
- Customised ablational procedures

## Cornea Didactic Course

**Saturday 11 February**  
**08.00 – 16.15**

### Clinical Cornea

- Basic science: anatomy, physiology and biomechanics
- Pathological responses of the cornea
- Laboratory testing for ocular surface diseases
- Infectious keratitis
- Corneal imaging evaluation techniques
- Non-infectious keratitis
- Corneal dystrophies
- Ectasia disorders and degenerations
- Dry-eye and ocular surface disease
- Immunological disorders of the cornea

### Surgical Cornea

- Penetrating keratoplasty: preoperative consideration, technique, postoperative management and complications
- Anterior lamellar keratoplasty procedures: up-to-date
- Management of post keratopathy astigmatism
- Corneal cross-linking: intracorneal ring segments in ectatic disorders
- Conjunctival surgery
- Amniotic membrane
- Endothelial transplantation: up-to-date
- Limbal transplantation and keratoprosthesis

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**ESCRS**

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