

**HRVATSKA AKADEMIJA ZNANOSTI I UMJETNOSTI  
Razred za medicinske znanosti i  
SPECIJALNA BOLNICA ZA OFTALMOLOGIJU „SVJETLOST“,  
KLINIKA ZA OFTALMOLOGIJU MEDICINSKOG FAKULTETA SVEUČILIŠTA U RIJECI**

**THE CROATIAN ACADEMY OF SCIENCES AND ARTS  
The Department of Medical Sciences and  
SPECIAL EYE HOSPITAL „SVJETLOST“,  
DEPARTMENT OF OPHTHALMOLOGY, SCHOOL OF MEDICINE IN RIJEKA,  
UNIVERSITY OF RIJEKA**

**ZNANSTVENI SIMPOZIJ / SCIENTIFIC SYMPOSIUM**

**NOVOSTI U OFTALMOLOGIJI  
NEWS IN OPHTHALMOLOGY**



Petak, 1. prosinca 2017. godine, 12:00 – 18:10 sati,  
velika dvorana Palače Hrvatske akademije znanosti i umjetnosti u Zagrebu, Zrinski trg 11

Date and Venue: Friday, December 1st, 2017, from 12 a.m. – 6.10 p.m. in  
the Palace of the Croatian Academy of Sciences and Arts, Zrinski trg 11, Zagreb

ZNANSTVENI SIMPOZIJ  
SCIENTIFIC SYMPOSIUM

NOVOSTI U OFTALMOLOGIJI  
NEWS IN OPHTHALMOLOGY

ZNANSTVENI ODBOR  
SCIENTIFIC COMMITTEE

Redoviti članovi  
Razreda za medicinske znanosti  
Hrvatske akademije znanosti i umjetnosti/  
Full Members of  
The Department of Medical Sciences,  
Croatian Academy of Sciences and Arts

Željko Cvetnić, Ivo Čikeš, Dragan Dekaris, Vida Demarin, Vjekoslav Jerolimov, Ivica Kostović, Zvonko Kusić, Josip Madić, Davor Miličić, Marko Pećina, Ivan Prpić, Željko Reiner, Daniel Rukavina, Miroslav Samaržija, Marko Šarić, Slobodan Vukičević, Teodor Wickerhauser

ORGANIZACIJSKI ODBOR  
ORGANIZING COMMITTEE

Predsjednica / President: Iva Dekaris  
Članovi / Members: Nikica Gabrić, Ante Barišić, Mateja Končarević  
Administrativne tajnice / Secretary: Daniela Bumber Jelčić, Snježana Ivčić

Simpozij se odvija na engleskom. Kotizacije nema. Simpozij će biti bodovan od strane HLK: **14 bodova** za aktivno i **10 bodova** za pasivno sudjelovanje.

The Symposium is going to be held in English. No registration fee.

- 12:00-12:05 President, Croatian Academy of Sciences and Arts  
Zvonko Kusić:  
**Pozdravna riječ / Welcome note**
- 12:05-12:10 Head, Department of Medical Sciences, Croatian Academy of Sciences and Arts  
Marko Pećina:  
**Pozdravna riječ / Welcome note**
- 12:10-12:40 EU Cornea Board Member, Head of Department of Ophthalmology, University of Aarhus, Aarhus, Denmark  
Jesper Hjortdal:  
***New Developments in Anterior Keratoplasty***  
***Nova dostignuća u prednjoj keratoplastici***
- 12:40-13:10 Chief of Ocular Inflammation Service, Nippon Medical School, Tokyo, Japan  
Junko Hori:  
***Molecular mechanisms of immune privilege in the eye – as potential of immune checkpoint therapies***  
***Molekularni mehanizmi imunološkog privilegija u oku – potencijal za novu imunoterapiju***
- 13:10-13:40 Vice-President of European Association for Vision and Eye Research, Friedrich-Alexander University, Erlangen-Nuremberg, Germany  
Thomas Fuchsluger:  
***Regeneration of the ocular surface using biomaterials and modification of the cornea***  
***Obnova očne površine uporabom biomaterijala i modifikacijom rožnice***
- 13:40-14:00 Lead, Translational Medicine, John Radcliffe Hospital, Oxford, UK  
Carolina Arancibia:  
***The eye and the gut: two sides of the same immunological coin***  
***Oko i crijeva: sličnosti imunološkog odgovora***
- 14:00-14:30 **Stanka / Break**
- Rožnica / Cornea:**
- 14:30-14:40 President, Croatian Society for Cataract and Refractive Surgery, Head of Special Eye Hospital "Svjetlost", Croatia  
Nikica Gabrić:  
***Development of ophthalmology in region – business models***  
***Razvoj oftalmologije u regiji – poslovni modeli***
- 14:40-14:50 Associate Member of the Department of Medical Sciences,

Head of Corneal Department, Special Eye Hospital "Svjetlost", Croatia  
Iva Dekaris:

***Transplantation of Corneal Limbal Stem Cells Cultivated in vitro***  
***Transplantacija matičnih stanica rožnice kultiviranih in vitro***

14:50-15:00

Head of Croatian Tissue Bank, Traumatology Hospital, University Hospital  
"Sestre Milosrdnice", Zagreb, Croatia

Mirna Tominac-Trcin:

***Synthetic vs natural scaffolds for human limbal stem cells***  
***Sintetski i prirodni nosači za humane limbalne matične stanice***

15:00-15:10

Department of Ophthalmology, University Hospital Maribor, Slovenia  
Tomica Šarenac:

***Novel antifibrotics in corneal wound healing***  
***Novi anti-fibrotici za cijeljenje rožničnih defekata***

15:10-15:20

Cornea Department, Special Eye Hospital „Svjetlost“, Croatia  
Maja Pauk-Gulić, Nikica Gabrić, Iva Dekaris:

***The role of Proangiogenic Cytokines and their Receptors in***  
***Neovascularization of Corneal Graft***  
***Uloga pro-angiogenih citokina i njihovih receptora u neovaskularizaciji***  
***presadene rožnice***

15:20-15:30

Rasprava / Discussion

**Refraktivna kirurgija**  
**rožnice i leće /**  
**Refractive Surgery on**  
**Cornea and Lens:**

15:30-15:40

Head of Cataract Department, Special Eye Hospital „Svjetlost“, Croatia  
Ante Barišić:

***Extended Depth of Focus (EDOF) Intraocular Lenses in Cataract Surgery***  
***EDOF intraokularne leće u kirurgiji katarakte***

15:40-15:50

Head of Refractive Surgery Department, Special Eye Hospital „Svjetlost“,  
Croatia

Maja Bohač:

***Excimer laser Treatment of Irregular Corneas***  
***Uloga excimer lasera u tretmanu iregularne rožnice***

15:50-16:00

Cataract Department, Special Eye Hospital „Svjetlost“, Croatia  
Adi Pašalić, Nikica Gabrić, Iva Dekaris, Ante Barišić:

***Overview of multifocal IOLs used in Svjetlost Hospital***  
***Pregled multifokalnih leća korištenih u Svjetlosti***

16:00-16:10

Refractive Surgery Department, Special Eye Hospital „Svjetlost“, Croatia  
Mateja Končarević, Iva Dekaris:

***Avellino DNA Test for Refractive Surgery Safety***

***Avellino DNA test za sigurniju refraktivnu kirurgiju***

16:10-16:20

Rasprava / Discussion

16:20-16:40

***Pauza za kavu / Coffee break***

**Retina:**

16:40-16:50

Head of Retinal Department, Special Eye Hospital „Svjetlost“, Croatia  
Ratimir Lazić:

***New treatments for diabetic retinopathy tested in clinical studies  
Nove supstance u kliničkim istraživanjima u liječenju dijabetičke  
retinopatije***

16:50-17:00

Department of Ophthalmology, University Hospital “Sveti Duh“, Croatia  
Damir Bosnar:

***Lucentis for nAMD – new evidence to improve patient care  
Lucentis: Nove spoznaje za učinkovitije liječenje senilne makularne  
degeneracije***

17:00-17:10

Vuk Vrhovac University Clinic for Diabetes, Endocrinology and Metabolic  
Diseases, Merkur University Hospital, Croatia

Martina Tomić:

***Systemic inflammation in diabetes is associated with retinopathy  
development in type 2 but not in type 1 diabetes  
Sistemska upala u dijabetesu je povezana s razvojem retinopatije u tipu  
2, ali ne i u tipu 1 šećerne bolesti***

17:10-17:20

Retinal Department, Special Eye Hospital „Svjetlost“, Croatia  
Nataša Drača:

***Optic Disc Pit Maculopathy - Surgical Treatment  
Kirurško liječenje makulopatije jamice optičkog živca***

**Pediatric**

**Ophthalmology:**

17:20-17:30

Head of Pediatric Department, Special Eye Hospital „Svjetlost“, Croatia  
Ivana Mravičić:

***Surgical management of nystagmus  
Kirurško liječenje nistagmusa***

17:30-17:40

Head of Pediatric Department, University Hospital “Sveti Duh“, Croatia  
Mirjana Bjeloš:

***Croatian National Preventive Program on Early Amblyopia Detection  
Nacionalni preventivni program ranog otkrivanja slabovidnosti u  
Republici Hrvatskoj***

17:40-17:50

Special Eye Hospital „Svjetlost“, Croatia  
Neven Miličić:

***When to operate Duan syndrom ?***

***Kada operirati Duan sindrom?***

17:50-18:00

General Hospital „Meljine“, Herceg Novi, Montenegro

Selma Lukačević:

***Fybrosis Syndrome in nine years old girl***

***Sindrom fibroze u devetogodišnje djevojčice***

18:00-18:10

Rasprava / Discussion