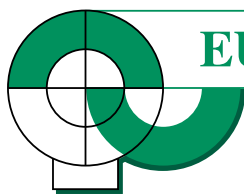




Scientific Program



EUROPEAN GLAUCOMA SOCIETY

Program at a Glance

Sunday, 19 June 2016

	Congress Hall	Meeting Hall I	Club A	Club B	Club C	Club D	Club E	Club H	North Hall	Meeting Hall IV	Meeting Hall V	Chamber Hall	South Hall A	South Hall B	South Hall C
	2nd floor	1st floor	1st floor	1st floor	1st floor	1st floor	1st floor	1st floor	2nd floor	2nd floor	2nd floor	3rd floor	3rd floor	3rd floor	3rd floor
									Symposium of the Czech and Slovak Glaucoma Societies						
14.45 17.45															
18.00 19.00	Welcome Reception Exhibition Area - 2 floor														

Monday, 20 June 2016

	Congress Hall	Meeting Hall I	Club A	Club B	Club C	Club D	Club E	Club H	North Hall	Meeting Hall IV	Meeting Hall V	Chamber Hall	South Hall A	South Hall B	South Hall C
	2nd floor	1st floor	1st floor	1st floor	1st floor	1st floor	1st floor	1st floor	2nd floor	2nd floor	2nd floor	3rd floor	3rd floor	3rd floor	3rd floor
8.30 9.50	Main Session 1 Challenges in diagnosis														
9.50 10.15	Congress Welcome & EGS Showcase														
10.15 10.45	Poster Session 1 - Epidemiology, Health Economics, Pathogenesis - P1.1 > P1.82														
10.45 12.20	Main Session 2 AAO/EGS Joint Session Genes and big data - Impact on diagnostics														
12.30 14.00	Educational Partner Lunchtime Symposium														
14.15 15.15		C1.5 Cataract and glaucoma II: phaco for glaucoma	C1.1 Uveltic glaucoma I: adiabiotic approach	C1.10 SIG Meeting - Surgery	C1.12 Target IOP - How much is enough?	C1.13 Critical appraisal of evidence	C1.4 Improving success of trabeculectomy I: pre- and postoperative management	C1.11 Screening for glaucoma: a yes or a no?	C1.6 Glaucoma surgeries: a bird's-eye view	C1.3 Generics in glaucoma management	C1.12 Cost/ effective glaucoma practice	C1.9 Glaucoma management in 2020 - What will we be doing?	C1.8 OCT: recent advances	C1.14 Glaucoma subspecialty training and exam I: EBO examn & certification	C1.7 Ocular hypertension: when to treat?
15.15 15.45	Poster Session 2 - Diagnosis - P2.1 > P2.98														
15.45 16.45		C2.6 Cataract and glaucoma II: phaco in glaucoma	C2.4 Uveltic glaucoma II: medical management	C2.9 SIG Meeting - Angle-closure	C2.1 A dive into clinic: slit-lamp findings	C2.10 Retinal venous pressure and glaucoma	C2.5 Improving success of trabeculectomy II (antifibrosis)	C2.11 Exfoliation: update and resenatation of the new XF5/XFC book edition	C2.14 ISGS Course	C2.3 Personalized medicine in glaucoma: risk factors and phenotyping	C2.12 How to design our clinic to optimize efficacy?	C2.7 Premium intraocular lens in glaucoma patients: yes or no?	C2.2 OCT: which machines are out there and how do they compare?	C2.13 Glaucoma subspecialty training and exam II: fellowships	C2.8 Surgery in kids: what are the options?
17.00 18.05	Teleglaucoma Session														
18.10 19.15	Perimetry and imaging Session														

Innovation

Education

Treatment

Communication

Implementation

Follow up

Diagnosis

Program at a Glance

Tuesday, 21 June 2016

	Congress Hall	Meeting Hall I	Club A	Club B	Club C	Club D	Club E	Club H	North Hall	Meeting Hall IV	Meeting Hall V	Chamber Hall	South Hall A	South Hall B	South Hall C	
	2 nd floor	1 st floor	1 st floor	1 st floor	1 st floor	1 st floor	1 st floor	1 st floor	2 nd floor	2 nd floor	2 nd floor	3 rd floor	3 rd floor	3 rd floor	3 rd floor	
8.00 8.30									EGS General Assembly							
8.30 10.15	Main Session 3 Glaucoma damage progression															
10.15 10.45	Poster Session 3 - Follow-up - P3.1 > P3.70															
10.45 12.20	Main Session 4 Understanding IOP															
12.30 14.00	Educational Partner Luncheon Symposium															
14.15 15.15		C3.7 Complications of glaucoma surgery I: more on filters	C3.10 Future technologies in glaucoma	C3.11 SIG Meeting - Genetic epidemiology	C3.5 Pseudo-exfoliation - Clinical implications	C3.3 Imaging: is disc photography useful?	C3.2 Visual field: the basics (devices, strategies, printouts)	C3.12 Glaucoma in a Europe in crisis (organized by Health Economics SIG)	C3.4 OCT in glaucoma: a clinical journey I	C3.8 Ocular surface in glaucoma	C3.13 Electronic medical records heaven	C3.6 Improving success of non-penetrating surgery I: enhancing NPS	C3.1 Normal-tension glaucoma I: should we treat differently?	C3.9 Positioning MIGS in management algorithm	C3.14 How to interpret / compare surgical studies	
15.15 15.45		C4.9 Complications of glaucoma surgery II: more on tubes	C4.1 Plateau iris: a diagnostic and therapeutic challenge	C4.11 SIG Meeting - OBF	C4.2 A dive into the clinic: indentation gonioscopy (advanced level)	C4.4 A dive into clinic: gonioscopy	C4.7 Visual field: how to monitor progression?	C4.13 Evidence-based glaucoma management	C4.5 OCT in glaucoma I: a clinical journey II	C4.10 Complementary therapies for glaucoma (yoga, meditation, lifestyle modification and electric brain stimulation)	C4.12 IOP measurement: caveats and novel techniques	C4.8 Improving success of non-penetrating surgery II: which technique for which patient?	C4.6 Normal-tension glaucoma II: are they different?	C4.3 Differential diagnosis: if not glaucoma, then what is it?	C4.14 History of ophthalmology told by stamps	
15.45 16.45																
17.00 18.30	Main Session 5 Innovations in management															
18.30 19.30			Industry Parallel Workshop				Industry Parallel Workshop		Industry Parallel Workshop						Symposium of Austrian, German and Swiss Groups	Symposium of Italian Association for Study of the Glaucoma

Innovation

Education

Treatment

Communication

Implementation

Follow up

Diagnosis

Program at a Glance

Wednesday, 22 June 2016																
	Congress Hall	Meeting Hall I	Club A	Club B	Club C	Club D	Club E	Club H	North Hall	Meeting Hall IV	Meeting Hall V	Chamber Hall	South Hall A	South Hall B	South Hall C	
	2 nd floor	1 st floor	1 st floor	1 st floor	1 st floor	1 st floor	1 st floor	1 st floor	2 nd floor	2 nd floor	2 nd floor	3 rd floor	3 rd floor	3 rd floor	3 rd floor	
8.30 9.00	WGA 2016 Consensus Meeting Summary															
9.00 10.15	Main Session 6 Putting the EGS Guidelines into practice: "the goal of glaucoma treatment"															
10.15 10.45	Poster Session 5 - Treatment 2 - P5.1 > P5.69															
10.45 12.20	Main Session 7 Hot topics: targets and developments in medical treatment															
12.30 14.00	Educational Partner Lunchtime Symposium															
14.15 15.15		C5.5 Surgical complications III: non-penetrating	C5.2 A dive into clinic: challenging medical cases (diagnosis)	C5.12 Normal, glaucoma or masquerade: tips on when to refer and when to discharge	C5.13 OCT: image quality and frequency of testing	C5.6 Preservative-free glaucoma - The science behind the noise	C5.3 Monitoring progression: how?	C5.7 Angle-closure: iridotomy or phaco?	C5.1 Angle-closure - Specific diagnostic and therapeutic approach	C5.10 Ocular blood flow: what is new?	C5.9 Innovation in drug delivery	C5.4 Improving success of tubes II: tips for getting started	C5.8 Secondary glaucomas: surgical approach	C5.14 Unraveling the EGS Guidelines	C5.11 Omics research - The fourth paradigm	
15.15 15.45		C6.6 A dive into clinic: challenging surgical cases	C6.2 A dive into clinic: challenging cases (medical treatment)	C6.12 Glaucoma through the eyes of the patient	C6.13 Experience in shared care and telemedicine	C6.4 Cyclo-destruction - Safe surgery or last resort?	C6.3 Glaucoma suspects: what to do?	C6.8 Laser trabeculoplasty: myths and facts	C6.9 MIGs and MICs: is the smaller the better?	C6.10 Strategies for measuring neuro-protection (organized by SIG Neuroprotection)	C6.14 Looking beyond European borders	C6.5 Improving success of tubes II: tips for tricky cases	C6.7 Refractive surgery and glaucoma	C6.1 The big eyed baby: a diagnostic approach	C6.11 Using math modeling for the understanding of risk factors in glaucoma	
17.00 18.45		Main Session 8 Glaucoma surgery: current status and developments														
18.45 19.30		Farewell Reception														



12th EGS Congress

Prague, Czech Republic
19-22 June 2016



Sunday 19 June, 2016

14.45 North Hall - Second Floor

17.45 Symposium of the Czech and Slovak Glaucoma Societies

Chairs: **Marta Karhanová** (Czech Republic), **Mária Praženicová** (Slovak Republic), **Rohit Varma** (USA)

Is the decrease of intraocular pressure in itself enough to stop the progression of normal tension glaucoma?

GS1.1 **Tomáš Kuběna, Pavel Černošek, Helena Vaňharová** (Czech Republic)

24-hour IOP monitoring in normal tension glaucoma - Case reports

GS1.2 **Lucie Kondrová, Marek Fichtl, Eva Růžičková** (Czech Republic)

Translaminar gradient - A risk factor in glaucoma

GS1.3 **Jozef Čmelo** (Slovak Republic)

Evaluation of Vitamin D status and Vitamin D supplementation in glaucoma patients

GS1.4 **Hana Pešková** (Czech Republic), **Eva Dršatová** (Austria)

The biomechanical properties of the cornea and the intraocular pressure lowering medication

GS1.5 **Ivana Liehneová** (Czech Republic)

Trendelenburg position and pressure behaviour during prostate robotic surgery

GS1.6 **Mária Praženicová** (Slovak Republic)

Glaucoma in Czech patients with posterior polymorphous corneal dystrophy

GS1.7 **Petra Lišková, Marek Fichtl, Martin Filipec, Michalis Palos, Pavlína Skalická** (Czech Republic)

Pigment dispersion syndrome and pigmentary glaucoma - Study results

GS1.8 **Lea Ferková** (Slovak Republic)

Glaucoma and ocular hypertension in patients with thyroid-associated orbitopathy

GS1.9 **Marta Karhanová** (Czech Republic)

Correlation between retinal nerve fibre thickness, GCC and visual fields in primary open angle glaucoma

GS1.10 **Christiána Mattová, Jana Mattová** (Slovak Republic)

Heidelberg retina tomography pitfalls

GS1.11 **Petr Mlčák, Zdeněk Fryšák, Marta Karhanová, Klára Marešová** (Czech Republic)

The assessment, diagnosis and glaucoma prognosis supported by the FORUM Glaucoma Workplace software

GS1.12 **Jara Hornová, Ondřej Rusňák** (Czech Republic)

Canaloplasty glaucoma surgery - Clinical outcomes

GS1.13 **Soňa Karlovská, Jana Bezděková, Ivana Liehneová** (Czech Republic)

Suprachoroidal drainage implant - First experience

GS1.14 **Marek Fichtl, Lucie Kondrová, Eva Růžičková** (Czech Republic)

Sunday
19 June 2016



12th EGS Congress

Prague, Czech Republic
19-22 June 2016



Sunday 19 June, 2016

14.45 North Hall - Second Floor

17.45 Symposium of the Czech and Slovak Glaucoma Societies *(cont.)*

Refractory uveitic glaucoma treated by filtration device implantation and bevacizumab postoperative subconjunctival injections

GS1.15 **Klára Marešová** (Czech Republic)

A case report of the complex surgical management of complicated cataract and resistant secondary glaucoma in a young patient

GS1.16 **Martin Fučík** (Czech Republic)

18.00 - 19.00

Welcome Reception

Exhibition Area, Second Floor



12th EGS Congress

Prague, Czech Republic
19-22 June 2016



Monday 20 June, 2016

Diagnostics

8.30 Congress Hall - Second Floor

9.50 Main Session 1

Challenges in diagnosis

Chairs: **Leopold Schmetterer** (Austria), **Anja Tuulonen** (Finland)

Facilitators: **Joseph Caprioli** (USA), **David Garway-Heath** (United Kingdom)

8.30 Introduction

8.32 Glaucoma suspects and pre-perimetric glaucoma: revisiting definitions and weighting clinical value

MS1.1 **Anders Heijl** (Sweden)

8.42 Can glaucoma screening be cost effective?

MS1.2 **Anja Tuulonen** (Finland)

8.52 Positioning imaging in diagnosis and staging by glaucoma severity

MS1.3 **Ingrida Januleviciene** (Lithuania)

9.02 Pitfalls in the OCT examination process

MS1.4 **Gábor Holló** (Hungary)

9.12 Pitfalls in visual field examination process

MS1.5 **Jean-Philippe Nordmann** (France)

9.22 How to implement rapidly developing imaging technology in clinical practice

MS1.6 **Leopold Schmetterer** (Austria)

9.32 Discussion

9.50 Congress Welcome & EGS Showcase

10.15 **Anja Tuulonen** (Finland)

10.15 Poster Area - Third Floor

10.45 **Poster Session 1 - P1.1 > P1.82**

Epidemiology, Health Economics, Pathogenesis

Chairs: **Augusto Azuara-Blanco** (United Kingdom), **Keith Martin** (United Kingdom)

Monday
20 June 2016



Monday 20 June, 2016
Diagnostics

10.45 Congress Hall - Second Floor

12.20 Main Session 2

AAO/EGS Joint Session
Genes and big data - Impact on diagnostics



Chairs: **Fotis Topouzis** (Greece), **Ananth C. Viswanathan** (United Kingdom)
Facilitators: **Rupert Bourne** (United Kingdom), **Louis R. Pasquale** (USA)

10.45 Introduction

10.47 Undiagnosed glaucoma vs over-diagnosis

MS2.1 **Fotis Topouzis** (Greece)

10.57 Learning from big data and large cohorts - Large cohorts consortia

MS2.2 **Paul Healey** (Australia)

11.07 Learning from big data and large cohorts - Health care/insurance data

MS2.3 **Anne L. Coleman** (USA)

11.17 Learning from big data and large cohorts - Big data collection from clinics

MS2.4 **David Crabb** (United Kingdom)

11.27 Biobanks: genes, phenotypes and what else?

MS2.5 **Ananth C. Viswanathan** (United Kingdom)

11.37 Glaucoma imaging biomarkers - Are we there yet?

MS2.6 **Robert N. Weinreb** (USA)

11.47 Predicting risk in exfoliation glaucoma: biomarkers, bad genes and beyond

MS2.7 **Tin Aung** (Singapore)

11.57 Family history in diagnosis

MS2.8 **Wallace Alward** (USA)

12.07 Discussion

12.30 Educational Partner

14.00 Lunchtime Symposium (*see page 82*)

Monday
20 June 2016



Monday 20 June, 2016

14.15 Instructional Courses 1 15.15

Club A - First Floor

C1.1 Uveitic glaucoma - part I: a diagnostic approach

Course Director: **Philippe Gaston Kestelyn** (Belgium)

Course Speakers: **Nicholas Jones** (United Kingdom), **Philippe Gaston Kestelyn** (Belgium),
André Mermoud (Switzerland)

Club C - First Floor

C1.2 Target IOP - How much is enough?



Course Director: **George L. Spaeth** (USA)

Course Speakers: **Kuldev Singh** (USA), **George L. Spaeth** (USA)

Meeting Hall IV - Second Floor

C1.3 Generics in glaucoma management



Course Director: **Frances Meier-Gibbons** (Switzerland)

Course Speakers: **Anton Hommer** (Austria), **Frances Meier-Gibbons** (Switzerland),
Leopold Schmetterer (Austria)

Club E - First Floor

C1.4 Improving success of trabeculectomy part I: pre- and postoperative management

Course Director: **Peng Tee Khaw** (United Kingdom)

Course Speaker: **Peng Tee Khaw** (United Kingdom), **Peter Shah** (United Kingdom)

Meeting Hall I - First Floor

C1.5 Cataract and glaucoma - part I: phaco for glaucoma



Course Director: **Carlo Enrico Traverso** (Italy)

Course Speaker: **Carlo Alberto Cutolo** (Italy), **Gus Gazzard** (United Kingdom),
Carlo Enrico Traverso (Italy)

North Hall - Second Floor

C1.6 Glaucoma surgeries: a bird's-eye view

Course Director: **Herbert Reitsamer** (Austria)

Course Speakers: **Christoph Faschinger** (Austria), **Herbert Reitsamer** (Austria)

South Hall C - Third Floor

C1.7 Ocular hypertension: when to treat?

Course Director: **Stefano Miglior** (Italy)

Course Speakers: **Stefano Miglior** (Italy), **Norbert Pfeiffer** (Germany)



Monday 20 June, 2016

14.15 Instructional Courses 1
15.15

South Hall A - Third Floor

C1.8 OCT: recent advances

Course Directors: **Claude Francis Burgoyne** (USA), **Balwantray Chauhan** (Canada)
Course Speakers: **Claude Francis Burgoyne** (USA), **Francesco Oddone** (Italy),
Leopold Schmetterer (Austria), **Nicholas Strouthidis** (United Kingdom)

Chamber Hall - Third Floor

C1.9 Glaucoma management in 2020 - What will we be doing?

Course Director: **Jeffrey M. Liebmann** (USA)
Course Speakers: **C. Gustavo De Moraes** (USA), **Neeru Gupta** (Canada), **Ingeborg Stalmans** (Belgium),
Robert N. Weinreb (USA), **Janey L. Wiggs** (USA)

Club B - First Floor

C1.10 SIG Meeting - Surgery

SIG Chairs: **Julián García-Feijoo** (Spain), **Franz Grehn** (Germany)
SIG Speakers: **Keith Barton** (United Kingdom), **Susana Duch Tuesta** (Spain),
Franz Grehn (Germany), **Stefano Gandolfi** (Italy)

Club H - First Floor

C1.11 Screening for glaucoma: a yes or a no?

Course Director: **Anne L. Coleman** (USA)
Course Speakers: **Karim Damji** (Canada), **Louis R. Pasquale** (USA), **M. Roy Wilson** (USA)

Meeting Hall V - Second Floor

C1.12 Cost/effective glaucoma practice

 *Course Director:* **Anja Tuulonen** (Finland)
Course Speakers: **Gauti Johannesson** (Sweden), **Aachal Kotecha** (United Kingdom),
Hans G. Lemij (The Netherlands), **Anja Tuulonen** (Finland)

Club D - First Floor

C1.13 Critical appraisal of evidence

Course Directors: **Augusto Azuara-Blanco** (United Kingdom), **Richard Wormald** (United Kingdom)

South Hall B - Third Floor

C1.14 Glaucoma subspecialty training and exam - part I: EBO exam&certification

Course Directors: **David Garway-Heath** (United Kingdom), **Gordana Sunaric Mégevand** (Switzerland)
Course Speakers: **Luis Abegao Pinto** (Portugal), **David Garway-Heath** (United Kingdom),
Andrew Scott (United Kingdom), **Gordana Sunaric Mégevand** (Switzerland),
Fotis Topouzis (Greece)

15.15 Poster Area - Third Floor

15.45 Poster Session 2 - P2.1 > P2.98

Diagnosis

Chairs: **Gábor Holló** (Hungary), **Thierry Zeyen** (Belgium)

Monday 20 June 2016



12th EGS Congress

Prague, Czech Republic
19-22 June 2016



Monday 20 June, 2016

15.45 Instructional Courses 2

16.45

Club C - First Floor

C2.1 **A dive into clinic: slit-lamp findings**



Course Director: **Andreas Boehm** (Germany)

Course Speakers: **Andreas Boehm** (Germany), **Anselm G.M. Juenemann** (Germany),
Alexander Friedrich Scheuerle (Germany)

South Hall A - Third Floor

C2.2 **OCT: which machines are out there and how do they compare?**

Course Director: **Michele Iester** (Italy)

Course Speakers: **Antonio Ferreras** (Spain), **Christian Mardin** (Germany), **Stefano Miglior** (Italy)

Meeting Hall IV - Second Floor

C2.3 **Personalized medicine in glaucoma: risk factors and phenotyping**

Course Director: **Fotis Topouzis** (Greece)

Course Speakers: **Anne L. Coleman** (USA), **Panayiota Founti** (United Kingdom),
Georg Mossböck (Austria), **M. Roy Wilson** (USA)

Club A - First Floor

C2.4 **Uveitic glaucoma - part II: medical management**



Course Directors: **Nicholas Jones** (United Kingdom), **Philippe Gaston Kestelyn** (Belgium)

Course Speakers: **Alain Bron** (France), **Nicholas Jones** (United Kingdom),
Philippe Gaston Kestelyn (Belgium)

Club E - First Floor

C2.5 **Improving success of trabeculectomy - part II (antifibrosis)**

Course Director: **Peng Tee Khaw** (United Kingdom)

Course Speakers: **Peng Tee Khaw** (United Kingdom), **Peter Shah** (United Kingdom)

Meeting Hall I - First Floor

C2.6 **Cataract and glaucoma - part II: phaco in glaucoma**



Course Director: **Carlo Enrico Traverso** (Italy)

Course Speakers: **Julián García-Feijoo** (Spain), **Hari Jayaram** (United Kingdom),
Carlo Enrico Traverso (Italy)

Chamber Hall - Third Floor

C2.7 **Premium intraocular lens in glaucoma patients: yes or no?**

Course Director: **Philippe Denis** (France)

Course Speakers: **Florent Aptel** (France), **Philippe Denis** (France), **Miguel Teus** (Spain)

Monday
20 June 2016



12th EGS Congress

Prague, Czech Republic
19-22 June 2016



Monday 20 June, 2016

15.45 **Instructional Courses 2**
16.45

South Hall C - Third Floor

C2.8 **Surgery in kids: what are the options?**

Course Director: **Franz Grehn** (Germany)

Course Speakers: **Thomas Dietlein** (Germany), **Franz Grehn** (Germany), **Norbert Pfeiffer** (Germany)

Club B - First Floor

C2.9 **SIG Meeting - Angle-closure**

SIG Chairs: **Gus Gazzard** (United Kingdom), **John Thygesen** (Denmark)

SIG Speakers: **Augusto Azuara-Blanco** (United Kingdom), **Gus Gazzard** (United Kingdom),
George L. Spaeth (USA), **John Thygesen** (Denmark)

Club D - First Floor

C2.10 **Retinal venous pressure and glaucoma**

 *Course Directors:* **Josef Flammer** (Switzerland), **Katarzyna Konieczka** (Switzerland)

Course Speakers: **Konstantin Gugleta** (Switzerland), **Katarzyna Konieczka** (Switzerland),
Karin Roswitha Pillunat (Germany)

Club H - First Floor

C2.11 **Exfoliation: update and presentation of the new XFS/XFG book edition (course organized by the XFS/XFG SIG)**

 *Course Directors:* **Gábor Holló** (Hungary), **Anastasios G.P. Konstas** (Greece)

Course Speakers: **Gábor Holló** (Hungary), **Murat Irkec** (Turkey), **Andreas Katsanos** (Greece),
Anastasios G.P. Konstas (Greece)

Meeting Hall V - Second Floor

C2.12 **How to design our clinic to optimize efficacy?**

Course Director: **Stephen Vernon** (United Kingdom)

Course Speakers: **Jeremy Diamond** (United Kingdom), **Aachal Kotecha** (United Kingdom),
Stephen Vernon (United Kingdom)

South Hall B - Third Floor

C2.13 **Glaucoma subspecialty training and exam - part II: fellowships**

Course Directors: **David Garway-Heath** (United Kingdom), **Gordana Sunaric Mégevand** (Switzerland)
Karl Mercieca (United Kingdom)

Course Speakers: **Alain Bron** (France), **Efthymios Karmiris** (Greece), **Hari Jayaram** (United Kingdom),
Juliane Matlach (Germany), **Manuele Michelessi** (Italy),
Andrew Tatham (United Kingdom)

North Hall - Second Floor

C2.14 **ISGS Course**

Course Director: **Tarek Shaarawy** (Switzerland)

Course Speakers: **Keith Barton** (United Kingdom), **Paul Chew** (Singapore), **Michael Coote** (Australia)
Tanuj Dada (India), **Tarek Shaarawy** (Switzerland)



12th EGS Congress

Prague, Czech Republic
19-22 June 2016



Monday 20 June, 2016

Diagnostics

17.00 Congress Hall - Second Floor

18.05 Teleglaucoma: a view to the future of glaucoma care

Session co-organized with Teleglaucoma Society

Chairs: Gus Gazzard (United Kingdom), Louis R. Pasquale (USA)

Facilitators: Tin Aung (Singapore), Anja Tuulonen (Finland)

17.00 Introduction

17.02 Overview of Telemedicine, TeleOphthalmology and the Teleglaucoma Society

SC1.1 **Karim Damji** (Canada)

17.07 Optic nerve imaging tools

SC1.2 **Albert Khouri** (USA)

17.17 Digital visual function tests for glaucoma

SC1.3 **Brian June Song** (USA)

17.27 Experience of telemedicine in routine glaucoma management

SC1.4 **Hans G. Lemij** (The Netherlands)

17.37 Teleglaucoma screening for angle closure glaucoma

SC1.5 **Gus Gazzard** (United Kingdom)

17.47 The future of Teleglaucoma

SC1.6 **Louis R. Pasquale** (USA)

17.52 Discussion

Monday
20 June 2016



Monday 20 June, 2016

Diagnostics

18.10 Congress Hall - Second Floor

19.15 **Perimetry and imaging: current best practice and new developments**

Session Co-organized with Imaging and Perimetry Society

Chairs: Paul Artes (United Kingdom), David Garway-Heath (United Kingdom)

Facilitators: David Crabb (United Kingdom), Francisco Javier Goñi (Spain)

18.10 Introduction

18.12 Visual fields - which outcomes?

SC2.1 **Paul Artes** (United Kingdom)

18.22 Imaging - which outcomes?

SC2.2 **Donald Charles Hood** (USA)

18.32 When to acquire data?

SC2.3 **Nomdo Jansonius** (The Netherlands)

18.42 New developments in visual function testing

SC2.4 **Roger Anderson** (United Kingdom)

18.52 New developments in imaging

SC2.5 **David Garway-Heath** (United Kingdom)

19.02 Discussion

20.30 - 23.00

Social Dinner - Žofín Palace

Admission by ticket



12th EGS Congress

Prague, Czech Republic
19-22 June 2016



Tuesday 21 June, 2016

Follow-up

8.00 North Hall - Second Floor
8.30 EGS General Assembly

8.30 Congress Hall - Second Floor

10.15 Main Session 3

Glaucoma damage progression

Chairs: **Jeffrey M. Liebmann** (USA), **Thierry Zeyen** (Belgium)

Facilitators: **Balwantray Chauhan** (Canada), **Michele Iester** (Italy)

8.30 Introduction

8.32 Anatomy debate: I prefer fibers
MS3.1 **Jeffrey M. Liebmann** (USA)

8.40 Anatomy debate: I prefer disc
MS3.2 **Fabian S. Lerner** (Argentina)

8.48 Visual function debate: I prefer MD
MS3.3 **Francisco Javier Goñi** (Spain)

8.56 Visual function debate: I prefer VFI
MS3.4 **Boel Bengtsson** (Sweden)

9.04 Technology debate: I sold my perimeter
MS3.5 **Julián García-Feijoo** (Spain)

9.12 Technology debate: I sold my imaging device
MS3.6 **Alain Bron** (France)

9.20 What RNFL rate of progression is significant?
MS3.7 **Joseph Caprioli** (USA)

9.31 Measuring progression in advanced glaucoma: what is the role of structural methods?
MS3.8 **Stefano Miglior** (Italy)

9.42 Can imaging substitute ophthalmoscopy and optic disc photos in diagnosis and follow-up?
MS3.9 **Thierry Zeyen** (Belgium)

9.53 Discussion

10.15 Poster Area - Third Floor

10.45 Poster Session 3 - P3.1 > P3.70

Follow-up

Chairs: **Francisco Javier Goñi** (Spain), **Anders Heijl** (Sweden)

Tuesday
21 June 2016



Tuesday 21 June, 2016

Follow-up

10.45 Congress Hall - Second Floor

12.20 Main Session 4

Understanding IOP

Chairs: **Stefano Gandolfi** (Italy), **M. Roy Wilson** (USA)

Facilitators: **Neeru Gupta** (Canada), **George L. Spaeth** (USA)

10.45 Introduction

10.47 Gadgets to measure IOP: are new tonometers toys or tools?

MS4.1 **Aachal Kotecha** (United Kingdom)

10.57 Debate: Target pressure: what's the evidence? - Pros

MS4.2 **M. Roy Wilson** (USA)

11.05 Debate: Target pressure: what's the evidence? - Cons

MS4.3 **Kuldev Singh** (USA)

11.13 Debate: Do we need 24-hour measurements? - Pros

MS4.4 **Anastasios G.P. Konstas** (Greece)

11.21 Debate: Do we need 24-hour measurements? - Cons

MS4.5 **Stefano Gandolfi** (Italy)

11.29 The mean, the peak or the fluctuation?

MS4.6 **Luca Rossetti** (Italy)

11.40 IOP and the CSF pressure - Holy Grail or empty chalice?

MS4.7 **Hanspeter Killer** (Switzerland)

11.51 IOP and the blood pressure - What are we missing

MS4.8 **Ki Ho Park** (South Korea)

12.02 Discussion

12.30 Educational Partner

14.00 Lunchtime Symposium (*see page 82*)



Tuesday 21 June, 2016

14.15 Instructional Courses 3
15.15

South Hall A - Third Floor

C3.1 **Normal-tension glaucoma - part I: should we treat differently?**

 *Course Director:* Ingeborg Stalmans (Belgium)
Course Speakers: Luis Abegao Pinto (Portugal), Gerhard Garhofer (Austria),
Selim Orgül (Switzerland)

Club E - First Floor

C3.2 **Visual field: the basics (devices, strategies, printouts)**

 *Course Director:* Alfonso Anton Lopez (Spain)
Course Speakers: Francisco Javier Goñi (Spain), Alfonso Anton Lopez (Spain)

Club D - First Floor

C3.3 **Imaging: is disc photography useful?**

Course Director: Rupert Bourne (United Kingdom)
Course Speakers: Rupert Bourne (United Kingdom), Jost B. Jonas (Germany),
Esther M. Hoffmann (Germany), Thierry Zeyen (Belgium)

North Hall - Second Floor

C3.4 **OCT in glaucoma: a clinical journey - part I**

 *Course Director:* Hans G. Lemij (The Netherlands)
Course Speaker: Hans G. Lemij (The Netherlands)

Club C - First Floor

C3.5 **Pseudo-exfoliation - Clinical implications**

Course Directors: Gábor Holló (Hungary), Anastasios G.P. Konstas (Greece)
Course Speakers: Gábor Holló (Hungary), Murat Irkec (Turkey) Anastasios G.P. Konstas (Greece),
Vassilis Kozobolis (Greece), Miguel Teus (Spain)


Chamber Hall - Third Floor

C3.6 **Improving success of non-penetrating surgery - part I: enhancing NPS**

Course Director: André Mermoud (Switzerland)
Course Speakers: Gordana Sunaric Mégevand (Switzerland), André Mermoud (Switzerland),
Pierre Yves Santiago (France)

Meeting Hall I - First Floor

C3.7 **Complications of glaucoma surgery - part I: more on filters**

 *Course Director:* Carlo Enrico Traverso (Italy)
Course Speakers: Philippe Denis (France), Carlo Enrico Traverso (Italy)



Tuesday 21 June, 2016

14.15 Instructional Courses 3 15.15

C3.8 Meeting Hall IV - Second Floor Ocular surface in glaucoma

Course Director: Renato De Natale (France)
Course Speakers: Renato De Natale (France), Paolo Frezzotti (Italy)

C3.9 South Hall B - Third Floor Positioning MIGs in management algorithm

Course Director: Norbert Pfeiffer (Germany)
Course Speakers: Keith Barton (United Kingdom), Norbert Pfeiffer (Germany), Kuldev Singh (USA)

C3.10 Club A - First Floor Future technologies in glaucoma

Course Director: Leopold Schmetterer (Austria)
Course Speakers: Dimitrios Bizios (Sweden), Herbert Reitsamer (Austria), Leopold Schmetterer (Austria)

C3.11 Club B - First Floor SIG Meeting - Genetic epidemiology

SIG Chairs: Fotis Topouzis (Greece), Ananth C. Viswanathan (United Kingdom)
SIG Speakers: Tin Aung (Singapore), Panayiota Founti (United Kingdom), Ananth C. Viswanathan (United Kingdom)

C3.12 Club H - First Floor Glaucoma in a Europe in crisis (organized by Health Economics SIG)

Course Directors: Augusto Azuara-Blanco (United Kingdom), Anja Tuulonen (Finland)
Course Speakers: Augusto Azuara-Blanco (United Kingdom), Anja Tuulonen (Finland)

C3.13 Meeting Hall V - Second Floor Electronic medical records heaven

Course Director: James Edwards Morgan (United Kingdom)
Course Speakers: Toby Bisco (United Kingdom), Jeremy Diamond (United Kingdom), James Edwards Morgan (United Kingdom)

C3.14 South Hall C - Third Floor How to interpret / compare surgical studies

Course Director: Julián García-Feijoo (Spain)
Course Speakers: Anthony King (United Kingdom), Luciano Quaranta (Italy), Luca Rossetti (Italy)

15.15 Poster Area - Third Floor

15.45 Poster Session 4 - P4.1 > P4.69

Treatment 1

Chairs: Julián García-Feijoo (Spain), Norbert Pfeiffer (Germany)



12th EGS Congress

Prague, Czech Republic
19-22 June 2016



Tuesday 21 June, 2016

15.45 Instructional Courses 4 16.45

Club A - First Floor

C4.1 Plateau iris: a diagnostic and therapeutic challenge

Course Director: **Tin Aung** (Singapore)

Course Speakers: **Tan Do** (Vietnam), **Gus Gazzard** (United Kingdom), **Tomasz Zarnowski** (Poland)

Club C - First Floor

C4.2 A dive into the clinic: indentation gonioscopy (advanced level)

Course Director: **Yves Lachkar** (France)

Course Speaker: **Elisa Bluwol** (France)

South Hall B - Third Floor

C4.3 Differential diagnosis: if not glaucoma, then what is it?

Course Director: **Mark Moster** (USA)

Course Speaker: **Marlene Moster** (USA)



Club D - First Floor

C4.4 A dive into clinic: gonioscopy

Course Director: **Anton Hommer** (Austria)

Course Speakers: **Christoph Faschinger** (Austria), **Anton Hommer** (Austria),
Prin Rojanapongpun (Thailand)



North Hall - Second Floor

C4.5 OCT in glaucoma: a clinical journey - part II

Course Director: **Hans G. Lemij** (The Netherlands)

Course Speaker: **Hans G. Lemij** (The Netherlands)



South Hall A - Third Floor

C4.6 Normal-tension glaucoma patients - part II: are they different?

Course Director: **Ingeborg Stalmans** (Belgium)

Course Speakers: **Joseph Caprioli** (USA), **Neeru Gupta** (Canada), **Ki Ho Park** (South Korea)



Club E - First Floor

C4.7 Visual field: how to monitor progression?

Course Director: **Anders Heijl** (Sweden)

Course Speakers: **Boel Bengtsson** (Sweden), **Anders Heijl** (Sweden)





Tuesday 21 June, 2016

15.45 Instructional Courses 4
16.45

Chamber Hall - Third Floor

C4.8 **Improving success of non-penetrating surgery part II: which technique for which patient?**

Course Director: **André Mermoud** (Switzerland)

Course Speakers: **André Mermoud** (Switzerland), **Tarek Shaarawy** (Switzerland)

Meeting Hall I - First Floor

C4.9 **Complications of glaucoma surgery - part II: more on tubes**

Course Director: **Carlo Enrico Traverso** (Italy)



Course Speaker: **Keith Barton** (United Kingdom), **Carlo Enrico Traverso** (Italy)

Meeting Hall IV - Second Floor

C4.10 **Complementary therapies for glaucoma (yoga, meditation, lifestyle modification and electric brain stimulation)**



Course Director: **Tanuj Dada** (India)

Course Speakers: **Florent Aptel** (France), **Tanuj Dada** (India), **Erik Greve** (The Netherlands), **Bernhard A. Sabel** (Germany)

Club B - First Floor

C4.11 **SIG Meeting - OBF**

SIG Chair: **Leopold Schmetterer** (Austria)

SIG Speakers: **Luis Abegao Pinto** (Portugal), **Gerhard Garhofer** (Austria), **Leopold Schmetterer** (Austria), **Fotis Topouzis** (Greece)

Meeting Hall V - Second Floor

C4.12 **IOP measurement: caveats and novel techniques**



Course Director: **Aachal Kotecha** (United Kingdom)

Course Speakers: **Aachal Kotecha** (United Kingdom), **Christoph Kniestedt** (Switzerland), **Ameet Shah** (United Kingdom), **Anja Tuulonen** (Finland)

Club H - First Floor

C4.13 **Evidence-based glaucoma management**



Course Director: **David Garway-Heath** (United Kingdom)

Course Speakers: **David Garway-Heath** (United Kingdom), **Manuele Michelessi** (Italy), **Francesco Oddone** (Italy), **Richard Wormald** (United Kingdom)

South Hall C - Third Floor

C4.14 **History of ophthalmology told by stamps**

Course Director: **Thierry Zeyen** (Belgium)

Course Speaker: **Thierry Zeyen** (Belgium)



12th EGS Congress

Prague, Czech Republic
19-22 June 2016



Tuesday 21 June, 2016

Follow-up

17.00 Congress Hall - Second Floor

18.30 Main Session 5

Innovations in management

Chairs: **Balwantray Chauhan** (Canada), **Ingeborg Stalmans** (Belgium)

Facilitators: **Keith Martin** (United Kingdom), **John Thygesen** (Denmark)

17.00 Introduction

17.02 What does "stable glaucoma" really mean: measuring disease activity and treatment response
MS5.1 **Maria Francesca Cordeiro** (United Kingdom)

17.13 Integrating structural and functional outcomes to improve detection of glaucoma progression
MS5.2 **Balwantray Chauhan** (Canada)

17.24 Innovative care delivery: how to provide most appropriate care at different stages?
MS5.3 **Ingeborg Stalmans** (Belgium)

17.35 How to follow up patients after peripheral iridotomy
MS5.4 **Barbara Cvenkel** (Slovenia)

17.46 Under- and over-treatment
MS5.5 **Robert Fechtner** (USA)

17.57 The significance of meaningful patient-physician communication
MS5.6 **Pradeep Y. Ramulu** (USA)

18.08 Discussion

Tuesday
21 June 2016



Tuesday 21 June, 2016

18.30 Chamber Hall - Third Floor

**19.30 Symposium of Austrian, German and Swiss Groups
 Six Challenging Clinical (Glaucoma?) Cases**

Chairs: Anton Hommer (Austria), Frances Meier-Gibbons (Switzerland), Lutz E. Pillunat (Germany)

Speakers:

- GS2.1 **Cornelia Hirn** (Switzerland)
- GS2.2 **Marc Töteberg-Harms** (Switzerland)
- GS2.3 **Christoph Faschinger** (Austria)
- GS2.4 **Karl Rigal** (Austria)
- GS2.5 **Thomas Dietlein** (Germany)
- GS2.6 **Juliane Matlach** (Germany)

18.30 South Hall B - Third Floor

19.30 Symposium of the Italian Association for Study of the Glaucoma

AISG Meeting

Tips and tricks for glaucoma surgery

President: Stefano Miglior (Italy)

Directors: Michele Iester (Italy), Giorgio Marchini (Italy), Luciano Quaranta (Italy)

Trabeculectomy: conjunctival opening, superficial scleral flap design, sclerectomy-iridectomy, scleral closure, conj closure

Speakers:

- GS3.1 **Roberto Carassa** (Italy)
- GS3.2 **Paolo Brusini** (Italy)
- GS3.3 **Antonio Maria Fea** (Italy)
- G33.4 **Stefano Miglior** (Italy)

Glaucoma drainage implants: Ahmed-Baeverldt: conjunctival opening, device positioning-suture, ripcord sutures, AC entering, patch, conj closure

Speakers:

- GS3.5 **Stefano Gandolfi** (Italy)
- GS3.6 **Giorgio Marchini** (Italy)
- GS3.7 **Luciano Quaranta** (Italy)

18.30 Industry Parallel Workshops (see page 84)

19.30

**Tuesday
21 June 2016**



Wednesday 22 June, 2016

Treatment

8.30 Congress Hall - Second Floor

9.00 WGA Session

WGA 2016 Consensus Meeting Summary - Diagnosis of primary open-angle glaucoma

Robert N. Weinreb (USA)

9.00 Congress Hall - Second Floor

10.15 Main Session 6

Putting the EGS Guidelines into practice: "the goal of glaucoma treatment"

Chairs: Roger A. Hitchings (United Kingdom), Carroll Webers (The Netherlands)

Facilitators: Augusto Azuara-Blanco (United Kingdom), Ananth C. Viswanathan (United Kingdom)

9.00 Introduction

9.02 Quality of life - Impact of damage on QoL

MS6.1 **John Somner** (United Kingdom)

9.13 Quality of life - Impact of treatment on QoL

MS6.2 **Peter Shah** (United Kingdom)

9.24 Sustainable costs

MS6.3 **Carroll Webers** (The Netherlands)

9.35 Modern glaucoma management from the perspective of the doctor

MS6.4 **Anton Hommer** (Austria)

9.43 Modern glaucoma management from the perspective of the patient

MS6.5 **Carol Bronze** (United Kingdom)

9.51 The EAGLE Trial: implications for the management of angle closure

MS6.6 **Augusto Azuara-Blanco** (United Kingdom)

10.02 Discussion

10.15 Poster Area - Third Floor

10.45 Poster Session 5 - P5.1 > P5.69

Treatment 2

Chairs: Franz Grehn (Germany), Tarek Shaarawy (Switzerland)



Wednesday 22 June, 2016

Treatment

10.45 Congress Hall - Second Floor

12.20 Main Session 7

Hot topics: targets and developments in medical treatment

Chairs: **Keith Martin** (United Kingdom), **Norbert Pfeiffer** (Germany)

Facilitators: **Christophe Baudouin** (France), **Maria Francesca Cordeiro** (United Kingdom)

10.45 Introduction

10.47 IOP lowering treatment: what is in the pipeline?

MS7.1 **Norbert Pfeiffer** (Germany)

10.58 Drug delivery: new systems for old drugs

MS7.2 **James David Brandt** (USA)

11.09 Disease modifying treatments: from neural rescue to gene therapy. Are we there yet?

MS7.3 **Neeru Gupta** (Canada)

11.20 Neuroprotection and neuro-regeneration - What's the difference?

MS7.4 **Keith Martin** (United Kingdom)

11.31 Glaucoma and immunology: is it coming to the clinic?

MS7.5 **Franz Grus** (Germany)

11.42 Lamina bio-mechanics and axonal changes: where are we now?

MS7.6 **Claude Francis Burgoyne** (USA)

11.53 Weighting the value of the preservative-free treatment

MS7.7 **Philippe Denis** (France)

12.04 Discussion



12th EGS Congress

Prague, Czech Republic
19-22 June 2016



Wednesday 22 June, 2016

14.15 Instructional Courses 5 15.15

North Hall - Second Floor

C5.1 Angle-closure - Specific diagnostic and therapeutic approach

Course Directors: **Gus Gazzard** (United Kingdom), **John Thygesen** (Denmark)

Course Speaker: **Rupert Bourne** (United Kingdom), **Peter Shah** (United Kingdom)

Club A - First Floor

C5.2 A dive into clinic: challenging medical cases (diagnosis)

Course Director: **Alain Bron** (France)



Course Speakers: **Francisco Javier Goñi** (Spain), **Anton Hommer** (Austria),
Gordana Sunaric Mégevand (Switzerland)

Club E - First Floor

C5.3 Monitoring progression: how?

Course Director: **Maria Francesca Cordeiro** (United Kingdom)

Course Speakers: **Sanjay Asrani** (USA), **Maria Francesca Cordeiro** (United Kingdom),
David Crabb (United Kingdom)

Chamber Hall - Third Floor

C5.4 Improving success of tubes - part I: tips for getting started

Course Director: **Susana Duch Tuesta** (Spain)



Course Speakers: **Jose Maria Martínez-de-la-Casa** (Spain), **Elena Milla** (Spain)

Meeting Hall I - First Floor

C5.5 Surgical complications part III: non-penetrating

Course Director: **Kuldev Singh** (USA)

Course Speaker: **Tarek Shaarawy** (Switzerland)

Club D - First Floor

C5.6 Preservative-free glaucoma - The science behind the noise

Course Director: **Christophe Baudouin** (France)



Course Speakers: **Christophe Baudouin** (France), **Antoine Labbe** (France), **Ingeborg Stalmans** (Belgium)

Club H - First Floor

C5.7 Angle-closure: iridotomy or phaco?

Course Director: **Clement Chee Yung Tham** (Hong Kong)



Course Speakers: **Augusto Azuara-Blanco** (United Kingdom), **Prin Rojanapongpun** (Thailand),
Sandra Fernando Sieminski (USA)



Wednesday 22 June, 2016

14.15 Instructional Courses 5
15.15

South Hall A - Third Floor

C5.8 **Secondary glaucomas: surgical approach**



Course Director: Paolo Brusini (Italy)

Course Speakers: Paolo Brusini (Italy), Stefano Gandolfi (Italy), Giorgio Marchini (Italy), Carlo Enrico Traverso (Italy)

Meeting Hall V - Second Floor

C5.9 **Innovation in drug delivery**

Course Director: Tina Wong (Singapore)

Course Speakers: James David Brandt (USA), Steven Mansberger (USA), Tina Wong (Singapore)

Meeting Hall IV - Second Floor

C5.10 **Ocular blood flow: what is new?**



Course Director: Ingrida Januleviciene (Lithuania)

Course Speakers: Luis Abegao Pinto (Portugal), Alon Harris (USA), Luciano Quaranta (Italy)

South Hall C - Third Floor

C5.11 **Omics research - The fourth paradigm**



Course Director: Jan Schouten (The Netherlands)

Course Speakers: Theo Gorgels (The Netherlands), Hannu Uusitalo (Finland), Jan Schouten (The Netherlands), Carroll Webers (The Netherlands)

Club B - First Floor

C5.12 **Normal, glaucoma or masquerade: tips on when to refer and when to discharge**



Course Director: John Salmon (United Kingdom)

Course Speaker: John Salmon (United Kingdom)

Club C - First Floor

C5.13 **OCT: image quality and frequency of testing**

Course Director: Andrew Tatham (United Kingdom)

Course Speakers: Stewart Gillan (United Kingdom), Kaweh Mansouri (Switzerland), Andrew Tatham (USA)

South Hall B - Third Floor

C5.14 **Unraveling the EGS Guidelines**

Course Director: John Thygesen (Denmark)

Course Speaker: John Thygesen (Denmark)

15.15 **Poster Area - Second Floor / Third Floor**

15.45 **Poster Session 6 - P6.1 > P6.70**

Treatment 3

Chairs: Luca Rossetti (Italy), John Thygesen (Denmark)



Wednesday 22 June, 2016

15.45 Instructional Courses 6
16.45

- South Hall B - Third Floor**
- C6.1 The big eyed baby: a diagnostic approach**
Course Director: **Asimina Mataftsi** (Greece)
Course Speakers: **Franz Grehn** (Germany), **Asimina Mataftsi** (Greece),
William Moore (United Kingdom)
- Club A - First Floor**
- C6.2 A dive into clinic: challenging cases (medical treatment)**
Course Director: **Carroll Webers** (The Netherlands)
Course Speakers: **Henny Beckers** (The Netherlands), **Gábor Holló** (Hungary),
Hellen C.S. Romkens (The Netherlands), **Carroll Webers** (The Netherlands)
- Club E - First Floor**
- C6.3 Glaucoma suspects: what to do?**
Course Director: **Anthony King** (United Kingdom)
Course Speakers: **Rupert Bourne** (United Kingdom), **Anthony King** (United Kingdom),
Joanna Liput (United Kingdom), **Alan Rotchford** (United Kingdom)
- Club D - First Floor**
- C6.4 Cyclodestruction - Safe surgery or last resort?**
Course Director: **Roberto Carassa** (Italy)
Course Speakers: **Luca Rossetti** (Italy), **Stephen Vernon** (United Kingdom)
- Chamber Hall - Third Floor**
- C6.5 Improving success of tubes - part II: tips for tricky cases**
Course Director: **Susana Duch Tuesta** (Spain)
Course Speakers: **Keith Barton** (United Kingdom), **Kin Sheng Lim** (United Kingdom),
Jose Maria Martínez-de-la-Casa (Spain)
- Meeting Hall I - First Floor**
- C6.6 A dive into clinic: challenging surgical cases**
Course Director: **Leon Au** (United Kingdom)
Course Speakers: **Leon Au** (United Kingdom), **Cecilia Fenerty** (United Kingdom),
Velota Sung (United Kingdom)
- South Hall A - Third Floor**
- C6.7 Refractive surgery and glaucoma**
Course Directors: **Vassilis Kozobolis** (Greece), **Miguel Teus** (Spain)
Course Speakers: **Murat Irkec** (Turkey), **Vassilis Kozobolis** (Greece), **Miguel Teus** (Spain)



Wednesday 22 June, 2016

15.45 Instructional Courses 6
16.45

Club H - First Floor

C6.8 **Laser trabeculoplasty: myths and facts**



Course Director: **Barbara Cvenkel** (Slovenia)

Course Speakers: **Barbara Cvenkel** (Slovenia), **Frances Meier-Gibbons** (Switzerland),
John Thygesen (Denmark)

North Hall - Second Floor

C6.9 **MIGs and MICs: is the smaller the better?**

Course Director: **Stefano Gandolfi** (Italy)

Course Speakers: **Gian Maria Cavallini** (Italy), **Julián García-Feijoo** (Spain), **Stefano Gandolfi** (Italy)

Meeting Hall IV - Second Floor

C6.10 **Strategies for measuring neuroprotection (organized by SIG Neuroprotection)**

Course Director: **Maria Francesca Cordeiro** (United Kingdom)

Course Speakers: **Sanjay Asrani** (USA), **Maria Francesca Cordeiro** (United Kingdom),
Leonard Levin (USA)

South Hall C - Third Floor

C6.11 **Using math modeling for the understanding of risk factors in glaucoma**



Course Director: **Alon Harris** (USA)

Course Speakers: **Giovanna Guidoboni** (USA), **Alon Harris** (USA), **Ingrida Januleviciene** (Lithuania)

Club B - First Floor

C6.12 **Glaucoma through the eyes of the patient**

Course Director: **David Crabb** (United Kingdom)

Course Speaker: **David Crabb** (United Kingdom)

Club C - First Floor

C6.13 **Experience in shared care and telemedicine**

Course Director: **Keith Martin** (United Kingdom)

Course Speakers: **Jeremy Diamond** (United Kingdom), **Kaweh Mansouri** (Switzerland),
Humma Shahid (United Kingdom)

Meeting Hall V - Second Floor

C6.14 **Looking beyond European borders**

Course Director: **Jost B. Jonas** (Germany)

Course Speakers: **Alain Bron** (France), **Annabel Chew** (Singapore), **Jost B. Jonas** (Germany),
Vinay Nangia (India)



Wednesday 22 June, 2016

Treatment

17.00 Meeting Hall I - First Floor

18.45 Main Session 8

Glaucoma surgery: current status and developments

Chairs: **Franz Grehn** (Germany), **Carlo Enrico Traverso** (Italy)

Facilitators: **John Salmon** (United Kingdom), **Gordana Sunaric Mégevand** (Switzerland)

17.00 Introduction

17.02 Current concepts of outflow resistance mechanisms

MS8.1 **Ernst Tamm** (Germany)

17.13 How to measure success and failure of surgery

MS8.2 **Hannu Uusitalo** (Finland)

17.24 Placing selective laser trabeculoplasty in the treatment algorithm

MS8.3 **Ivan Goldberg** (Australia)

17.35 Trabeculectomy versus all the rest: making the choice

MS8.4 **Franz Grehn** (Germany)

17.46 Debate: tubes as initial surgery - Pros

MS8.5 **Keith Barton** (United Kingdom)

17.54 Debate: tubes as initial surgery - Cons

MS8.6 **Tanuj Dada** (India)

18.02 Strategies in the surgical management of primary angle closure glaucoma

MS8.7 **Clement Chee Yung Tham** (Hong Kong)

18.13 Initial treatment: medication, laser or surgery

MS8.8 **Carlo Enrico Traverso** (Italy)

18.24 Discussion

18.45-19.30

Farewell Reception

Wednesday
22 June 2016



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Douglas D. Koch, MD

Michael F. Marmor MD Lecture in Ophthalmology and the Arts

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Francesca Casadio, PhD

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- Case-Based Corneal Conundrums
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October 14 - 15

AAOE Program

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Posters





12th EGS Congress

Prague, Czech Republic

19-22 June 2016



Poster Session 1

Epidemiology, Health Economics, Pathogenesis

Chairs: **Augusto Azuara-Blanco** (United Kingdom), **Keith Martin** (United Kingdom)

- P1.1** When is a patient blind from glaucoma?
P. Mokhles, J. Schouten, H. Beckers, C. Webers (The Netherlands)
- P1.2** Comparison of visual acuity and corneal higher-order aberrations after Ex-Press or trabeculectomy, and the determination of associated factors that influence visual function
K. Hirooka, N. Kobayashi, E. Nitta, K. Ukegawa, A. Tsujikawa (Japan)
- P1.3** Changes in intraocular pressure and associated systemic factors over 7 years in Koreans - A longitudinal study
B.J. Cho, B. Ji (South Korea)
- P1.4** Applanation tonometry, gonioscopy and visual fields - are our patients doing them?
D. Cordeiro Sousa, I. Leal, P. Sens, L. Almeida, C. Marques-Neves, M. Monteiro-Grillo, L. Abegao Pinto (Portugal)
- P1.5** Vision related quality of life in Korean glaucoma patients
K.R. Sung (South Korea)
- P1.6** Blindness due to glaucoma at the tertiary ophthalmic centers in Ankara
T. Mumcuoglu, A. Yarangumeli, A. Karakurt, A. Bayer, O.E. Kemer, U. Elgin (Turkey)
- P1.7** Association between glaucoma and cardiovascular disease risk in Korean population based study
S. Cha, M. Kim, B. Gu, S.-H. Lim (South Korea)
- P1.8** Twelve years incidence of open-angle glaucoma in the Thessaloniki Eye Study
P. Founti, A.L. Coleman*, M.R. Wilson*, A. Harris*, F. Yu*, T. Pappas, E. Anastasopoulos, A. Salonikiou, V. Kilintzis, F. Topouzis (Greece, *USA)
- P1.9** Evaluation of factors related to treatment compliance in glaucoma
S. Kocabeyoglu, D. Gulmez Sevim, M.C. Mocan, M. Irkeç (Turkey)
- P1.10** The effect of scuba dive mask on intraocular pressure
C.J. Goenadi, D. Law Zhiwei, L. Jia Wen, C. Wai Kitt, O. Ee Lin, J. Cheng (Singapore)
- P1.11** Demographic differences in glaucoma suspects in Turkey
O. Evren Kemer, O. Tekeli, Z. Aktas, U. Eksioğlu, A. Karakurt, T. Mumcuoglu (Turkey)
- P1.12** Prevalence of primary glaucoma in emirati population: early results of hospital-based glaucoma screening program
H.J. Choi (United Arab Emirates)
- P1.13** Glaucoma profile at the tertiary ophthalmic centers in Ankara
A. Bayer, U. Elgin, O. Tekeli, T. Takmaz, Ü. Eksioğlu, A. Yarangümeli, T. Mumcuoglu, Z. Aktas, S. Gür Güngör, A. Karakurt, Ö. Evren Kemer, A. Akman (Turkey)
- P1.14** A preventive effect of anti-hypertensive medication on glaucoma: evidence from a nationwide study
A. Horwitz, C. Torp-Pedersen, J. Jeppesen, J. Tsai, M. Kolko (Denmark)
- P1.15** Postoperative follow-up regimes after glaucoma surgery in the United Kingdom
I. Rodriguez-Una, A.J. King (United Kingdom)
- P1.16** Exploring the frequency and location of prescribing errors in the use of topical glaucoma medications
B. Lakhani, A. King (United Kingdom)
- P1.17** Integrated visual field and relative risk for quality of life loss
O. Pujol, A. Anton, C. Mora, L. Pastor, S. Gudiña, R. Maull, Z. Vega (Spain)
- P1.18** Quality of life in glaucoma patients and normal subjects related to the severity of damage in each eye
E. Ayala, O. Pujol, A. Anton, L. Pastor, C. Mora, R. Maull, S. Gudiña, Z. Vega (Spain)
- P1.19** Comparison of gait patterns between glaucoma patients and healthy controls
N. Amini, S. Henry, M. Mirzaei, J. Caprioli, K. Nouri-Mahdavi (USA)
- P1.20** Spanish survey on single-dose versus multiple-dose Cosopt®: patient tolerability and preference
S. Duch Tuesta, O. Stirbu, S. Piludu, E. Millá Griñó, S. Djavanmardi, C. Arciniegas Perasso (Spain)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P1.21** Thinning of the peripapillary retinal nerve fiber layer in individuals with prediabetes
E.E.B. De Clerck, J.S.A.G. Schouten, T.T.J.M. Berendschot, H.J.M. Beckers, N.C. Schaper, M.T. Schram, C.D.A. Stehouwer, C.A.B. Webers (The Netherlands)
- P1.22** Albuminuria is associated with open angle glaucoma in nondiabetic Korean subjects: a cross sectional study
G.A. Kim, J. Ko, S.H. Lee, E.M. Kang, S.Y. Lee, H.W. Bae, G.J. Seong, C.Y. Kim (South Korea)
- P1.23** The association between renal function and primary open-angle glaucoma: The Korea National Health and Nutrition Examination Survey 2010-2011
S.H. Shim, S.K. Jung, J.M. Kim (South Korea)
- P1.24** Relationship between anthropometric parameters and open angle glaucoma: The Korea National Health and Nutrition Examination Survey
J. Lee, J.M. Kim, J.W. Koh (South Korea)
- P1.25** Relationship between various anthropometric measurement and intraocular pressure: The Korea National Health and Nutrition Examination Survey
H. Kim, J. Lee, J.M. Kim, J.W. Koh (South Korea)
- P1.26** The association between sex hormone and IOP in healthy population: results from the Korea National Health and Nutrition Examination Survey 2010-2011
J.W. Koh, J.Y. Lee, J.M. Kim (South Korea)
- P1.27** Tear osmolarity and OSDI in glaucomatous patients under chronic IOP lowering topical medication
J. Paz Moreno-Arrones, C. Gutierrez Ortiz, G. Bolivar De Miguel, A. Gonzalez Mesa, M.A. Teus (Spain)
- P1.28** Comparison of general characteristics among primary open-angle glaucoma patients and normal healthy control subjects
K. Tada, Y. Ikeda, K. Mori, M. Ueno, K. Imai, K. Yoshii, R. Sato, F. Sato, S. Kinoshita, C. Sotozono (Japan)
- P1.29** Effects of repeated intense periocular acupuncture for the treatment of a POAG patient including ocular blood flow
T. Hino, K. Mori, Y. Ikeda, M. Ueno, H. Yoshikawa, Y. Maruyama, K. Imai, C. Sotozono, S. Kinoshita (Japan)
- P1.30** Illness perception and beliefs in people newly diagnosed with glaucoma and ocular hypertension
C. Ajtony, T. Boodhna, L. McDonald, P. Turnbull, R. Bourne, D. Crabb (United Kingdom)
- P1.31** Cognitive functions and normal tension glaucoma
A. Daveckaite, E. Grusauskiene, K. Petrikonis, A. Vaitkus, D. Rastenyte, L. Siaudvytyte, L. Kuzmiene, I. Januleviciene (Lithuania)
- P1.32** Glaucoma is an independent risk factor for the anesthesiologist's intervention during cataract surgery
L. Varano, N. Ungaro, S. Gandolfi (Italy)
- P1.33** The association of thyroid disease and glaucoma
J.G. Heo, C.K. Lee, M.I. Yeom, C.G. Park, S.S. Rho (South Korea)
- P1.34** The relationship between reading performance and Octopus visual field cluster defect values in patients with glaucoma
M. Atanasovska Velkovska, B. Cvenkel (Slovenia)
- P1.35** Relationship between chronic kidney disease and glaucomatous optic disc neuropathy
J. Djordjevic-Jocic, P. Jovanovic, M. Radenkovic, M. Trenkic-Bozinovic, S. Cekic, M. Vujanovic (Serbia)
- P1.36** Primary angle closure glaucoma in Chittagong, Bangladesh - Modes of presentation and management patterns at a tertiary eye care centre
A. Karim (Bangladesh)
- P1.37** Incidence and clinical characteristics of childhood glaucoma in Serbia: a population-based study
M. Bozic, V. Markovic, I. Marjanovic, V. Maric (Serbia)
- P1.38** The epidemiological study of the patients with juvenile glaucoma
M. Janicijevic Petrovic, K. Janicijevic, T. Sarenac Vulovic (Serbia)
- P1.39** The characteristics of pseudoexfoliation glaucoma in capital of Turkey
A. Akman, S. Gür Güngör, A. Bayer, O. Tekeli, A. Yarengumeli, Z. Aktas (Turkey)
- P1.40** To study the prevalence of steroid induced cataract and glaucoma in patients of COPD attending tertiary care centre
S.S. Roy, R. Agrawal (India)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P1.41** Characteristics of uveitic glaucoma in Turkish patients
O. Tekeli, A. Bayer, U. Elgin, O.E. Kemer, T. Takmaz, A. Karakurt, Z. Bas (Turkey)
- P1.42** Change in ganglion cell complex thickness after intravitreal anti-vascular endothelial growth factor use in neovascular macular degeneration, diabetic macular edema
R. Yoo, B.J. Cho (South Korea)
- P1.43** The effect of corneal biomechanical factors on ocular pulse amplitude in normal subjects
M. Lee, Y. Lee, J. Shin (South Korea)
- P1.44** Lymphatics in the ciliary body of the human eye
V.V. Chernykh, N.P. Bgatova, A.N. Trunov, V.I. Kononov (Russia)
- P1.45** Significance of trans-lamina cribrosa pressure gradient in normal tension glaucoma patient
K. Choi, Y.J. Cheong (South Korea)
- P1.46** Association of antioxidant defense gene polymorphisms with pseudoexfoliative glaucoma in Central Russia
A. Brezhnev, V. Baranov, E. Tolmacheva, E. Angaleva (Russia)
- P1.47** In vivo evaluation of anterior lamina cribrosa displacement after acute cerebrospinal fluid pressure reduction in healthy humans
M. Poli, A. Bron, E. Sellem, C. Burillon, P. Denis (France)
- P1.48** Evaluation of serum antibodies in primary open angle glaucoma and exfoliative glaucoma
M. Irkec, M. Akkaya, S. Kocabeyoglu, M.C. Mocan (Turkey)
- P1.49** Association of lysyl oxidase-like-1 gene polymorphism in Turkish patients with pseudoexfoliation syndrome and pseudoexfoliation glaucoma
O. Gurbuz Koz, M. Asfuroglu, B. Cavdarli, A. Yarangumeli, Y. Ozdemir (Turkey)
- P1.50** Mitochondrial inhibition compromises glutamate uptake in Müller cells
R. Vohra, I.S. Gurubaran, D.M. Skytt, L. Bergersen*, L.J. Rasmussen, C. Dressler, M. Kolko (Denmark, *Norway)
- P1.51** Changes in choroidal thickness following trabeculectomy and its correlation with the decline in intraocular pressure
D. Silva, C. Pedrosa, A.S. Lopes, M. Lisboa, F. Trancoso Vaz (Portugal)
- P1.52** Expression of bone morphogenetic protein (BMP) signaling molecules by BMP 4 protein in human optic nerve head astrocyte and lamina cribrosa cells
J.A. Shin (South Korea)
- P1.53** Differences in the extracellular matrix of the lamina cribrosa and peripapillary sclera as candidate susceptibility factor for glaucoma
M.D. Ahn, H.L. Park (South Korea)
- P1.54** Normal-tension glaucoma induced changes in the macular retina
D. Steinmair, J. Brazerol, M. Iliev, M. Abegg, R. Höhn (Switzerland)
- P1.55** Comparative proteomic analysis of the aqueous humor from patients with pseudoexfoliation syndrome
M. Toprak, N. Yuksel, N. Guzel, G. Akpınar, M. Kasap, D. Pirhan (Turkey)
- P1.56** Intravitreal injections: impact of needle size in intraocular pressure and pain
M. Loureiro, R. Matos, P. Sepulveda, J. Sequeira, D. Meira (Portugal)
- P1.57** Do endothelin-1 has an impact on changes in the visual field of glaucoma patients?
S. Ljaljevic (Bosnia and Herzegovina)
- P1.58** Intracranial pressure and intraocular pressure balance over lamina cribrosa is posture dependent - implications for visual impairment
G. Jóhannesson, A. Eklund, E. Johansson, P. Holmlund, S. Qvarlander, A. Wåhlin, L.-O. Koskinen, J. Malm (Sweden)
- P1.59** Effects of interleukin-6 signaling activity on fibrogenic activity of human trabecular meshwork cells
T. Inoue, M. Inoue-Mochita, T. Fujimoto, H. Tanihara (Japan)
- P1.60** Expression of TGF beta isoforms in the parts of iris and trabecular meshwork parts in patients with glaucoma
W. Maruszczyk, M. Kimsa, M. Machalska, M. Dorecka, U. Mazurek, E. Mrukwa-Kominek (Poland)
- P1.61** Connective tissue growth factor and tissue inhibitor of matrix metalloproteinase-2 in patients with exfoliative glaucoma
A. Ghanem, L. Arafa, A. El-Baz (Egypt)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P1.62** Association between SATB1 genetic variant and phenotypic features of primary open-angle glaucoma
F. Mabuchi, Y. Sakurada, S. Yoneyama, K. Kashiwagi, Z. Yamagata, H. Iijima (Japan)
- P1.63** Correlating corneal biomechanical properties with lamina cribosa in healthy subjects
F. Pérez Bartolomé, J.M. Martínez-de-la-Casa, I. Camacho Bosca, F. Sáenz- Francés, J. García-Feijoo (Spain)
- P1.64** Clinical phenotype association analysis for the risk allele of CDKN2B-AS1 variant in primary open-angle glaucoma patients and normal control subjects
Y. Ikeda, K. Mori, M. Ueno, Y. Yamamoto, Y. Maruyama, K. Yoshii, K. Imai, R. Sato, F. Sato, M. Nakano, H. Yoshikawa, C. Sotozono, K. Tashiro, S. Kinoshita (Japan)
- P1.65** Changes in corneal and optic nerve head biomechanical properties following deep sclerectomy
L. Díez-Álvarez, G. Rebolleda, F.J. Muñoz-Negrete, N. Oblanca, V. de Juan, P. Casas-Llera (Spain)
- P1.66** Whole mitochondrial genome sequencing in Polish patients with normal tension glaucoma
E. Kosior-Jarecka, A. Piotrowska, K. Tonska, T. Zarnowski (Poland)
- P1.67** Histological alterations of the trabecular meshwork and of the retina in glaucoma
S. Craitoiu, R. Manescu, G. Vitan Cojocaru (Romania)
- P1.68** Steady-state PERG after water drinking test in open angle glaucoma and normal subjects
G. Calzetti, N. Ungaro, L. Varan, G. Gennari, C. Macaluso, S. Gandolfi (Italy)
- P1.69** A comparative study of age-related level of sclera collagen crosslinking in patients with different stages of primary open angle glaucoma
L. Arutyunyan, E. Iomdina, N. Ignatieva, S. Anisimov (Russia)
- P1.70** TGF- β 2 and CTGF increases TFPI-2 expression in the trabecular meshwork in vitro and in vivo
R. Greslechner, R. Föckler, A. Dannullis, E. Eckert, H. Helbig, E.R. Tamm, R. Fuchshofer (Germany)
- P1.71** Corneal hysteresis and lamina cribrosa thickness correlation in primary open-angle glaucoma and pseudoexfoliation glaucoma
C. Pedrosa, M. Mota, D. Silva, M. Lisboa, L. Almeida, F. Trancoso Vaz (Portugal)
- P1.72** Levels of soluble Fas and Fas-ligand in the aqueous humor of the patients with high-tension glaucoma
M. Trenkic Bozinovic, P. Jovanovic, J. Jocic Djordjevic, M. Radenkovic, M. Petrovic, M. Živkovic (Serbia)
- P1.73** Clinical assessment of lamina cribrosa curvature in eyes with primary open-angle glaucoma
Y.W. Kim, J.W. Jeoung, D.W. Kim, M. Girard*, J.M. Mari, M.J. Lee, K.H. Park, D.M. Kim** (South Korea, *Singapore, **French Polynesia)
- P1.74** Association of advanced glycation end products with open angle glaucoma: the ALIENOR study
C. Schweitzer, A. Coughard-Gregoire, V. Rigalleau, M.-N. Delyfer, M.-B. Rougier, J.-F. Dartigues, J.-F. Korobelnik, C. Delcourt (France)
- P1.75** Maximum cup depth, central corneal thickness, disc area, age and mean defect in open angle glaucoma and ocular hypertension
V.T. Díaz Alemán, M. González Hernández, A. Blasco Alberto, D. Ángel Pereira (Spain)
- P1.76** Near infra-red light increases retinal ATP and attenuates retinal ganglion cell injury: relevance in relation to glaucoma
N. Osborne (United Kingdom)
- P1.77** Frequency of appositional angle closure after laser peripheral iridotomy in the eyes of Hispanic patients with primary angle closure suspect
H.F. Gomez Goyeneche, D.P. Hernandez Mendieta, M. De Leon, I.C. Uribe (Colombia)
- P1.78** Molecular pathway analysis in human trabecular meshwork cells after treatment with dexamethasone
J.S.A.G. Schouten, I. Liesenborghs, T.G.M.F. Gorgels, L. Eijssen, C.T. Evelo, M. Kutmon, H.J.M. Beckers, C.A.B. Webers (The Netherlands)
- P1.79** Molecular pathway analysis in patients with primary open angle glaucoma
I. Liesenborghs, T.G.M.F. Gorgels, C.T. Evelo, M. Kutmon, L. Eijssen, H.J.M. Beckers, C.A.B. Webers, J.S.A.G. Schouten (The Netherlands)
- P1.80** Chronic and intermittent angle closure caused by in-the-bag capsular tension ring and intraocular lens dislocation in two patients with pseudoexfoliation syndrome
F. Bochmann, L. Müller, A. Kipfer (Switzerland)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P1.81** Nitric oxide and tumor necrosis factor in patients with PEX glaucoma
T. Sarenac Vulovic, M. Janicijevic Petrovic, S. Sreckovic, S. Pavlovic, N. Zdravkovic (Serbia)
- P1.82** Intraocular pressure change following intravitreal dexamethasone implant
G. Arikan, M. Kaya, B. Derkus, F.H. Oner, U. Gunenc (Turkey)

Poster Session 2

Diagnosis

Chairs: **Gábor Holló** (Hungary), **Thierry Zeyen** (Belgium)

- P2.1** Comparison of intraocular pressure values measured with non-contact tonometer and pneumotonometer in normal individuals with different central corneal thicknesses
G. Kaya (Turkey)
- P2.2** Measuring intraocular pressure in keratoconic eyes
P. Arribas Pardo, C.D. Mendez Hernandez, F. Saenz Francés San Baldomero, J. García-Feijoo (Spain)
- P2.3** Peripapillary nerve fiber elevation and its association with axial length and conus in junior high school students
T. Yamashita, N. Yoshihara, T. Sakamoto (Japan)
- P2.4** Effect of Bergmeister papilla on disc parameters in spectral domain optical coherence tomography
Y.S. Chun, J.H. Jeong, I.K. Park (South Korea)
- P2.5** Glaucoma patient awareness: what can a screening event reveal
E. Kanonidou, P. Kalouda, N. Lakidis, G. Sakkias (Greece)
- P2.6** Evaluation of corneal thickness, intraocular pressure, retinal thickness and retinal nerve fibre layer thickness in patients with acromegaly
I. Chatziralli, E. Kanonidou, P. Kalouda, T. Georgiou, F. Adamidou, D. Balatsoukas (Greece)
- P2.7** Retinal nerve fiber layer and ganglion cell complex thickness of normal hemifield area in normal tension glaucoma according to the severity of visual field defect
E.H. Hong, M. Seong, K.B. Uhm (South Korea)
- P2.8** Diagnostic ability of cirrus high-definition spectral-domain optical coherence tomography deviation map for localized and diffuse retinal nerve fiber layer defects
K.B. Uhm, J.W. Shin, M. Seong (Seoul Korea)
- P2.9** Optical coherence tomography- derived neuroretinal rim parameter increases specificity in myopic subjects
M. Sastre Ibáñez, J.M. Martínez-de-la-Casa, G. Rebolleda, P. Cifuentes-Canorea, M. Nieves-Moreno (Spain)
- P2.10** Comparison of the ganglion cell complex and retinal nerve fiber layer thickness in pseudoexfoliation syndrome, pseudoexfoliation glaucoma and healthy subjects
M.S. Saricaoglu, A. Karakurt, M. Hamurcu, S. Ekicier (Turkey)
- P2.11** Comparison of the macula inner retina and optic nerve head parameters in early normal-tension and primary open-angle high-tension glaucoma
M. Karliychuk, S. Pinchuk, O. Baryska (Ukraine)
- P2.12** The new Bruch's membrane opening - Minimum rim width classification improves optical coherence tomography specificity in tilted discs
G. Rebolleda, A. Casado, N. Oblanca Llamazares, F.J. Muñoz-Negrete (Spain)
- P2.13** Correlation between anterior and posterior segment parameters determined by optical coherence tomography in normal eyes
J. Lee (South Korea)
- P2.14** Does globe movement in the orbital cavity affect the measurement results of the Ocular Response Analyzer - An experimental approach
V. Balau, R. Grossjohann, C. Jürgens, F. Tost, A. Dietzel, V. Unger, K. Saleh, J. Haueinsen (Germany)
- P2.15** Foveal avascular zone measurements by high resolution mode-locked laser optical coherence tomography in healthy eyes
I. Kimura, H. Kuroda, M. Suzuki, H. Ibuki, T. Shoji, M. Araie, S. Yoneya (Japan)
- P2.16** Signal alteration in the optic nerve head on 3D T2 magnetic resonance imaging: a potential new radiologic imaging sign of glaucomatous optic neuropathy
J.Y. Lee, H.J. Kwon, S.J. Park, Y.Y. Kim, E.Y. Kim (South Korea)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P2.17** Circumpapillary retinal nerve fiber layer and macular ganglion cell layer thicknesses in eyes with situs inversus of optic discs
J.M. Wi, Y.H. Hwang, M.K. Kim, J.J. Jung, Y.H. Sohn (South Korea)
- P2.18** Anterior chamber angle imaging with automatic gonio-photography
C.A. Cutolo, A. Bagnis, R. Scotto, C. Tanassi, S. Pajaro, M. Pascolini, C.E. Traverso (Italy)
- P2.19** Continuous intraocular pressure monitoring after implantation of a novel telemetric intraocular pressure sensor (ARGOS 01) in patients with glaucoma
N. Plange, P. Walter, A. Koutsonas (Germany)
- P2.20** Comparative study of the measurement of IOP in a healthy population by GAT, ORA and CORVIS
M.J. Martinez, J. Gros Otero, G. Bolívar de Miguel, T. Bitar Díaz, M.Á. Teus Guezala (Spain)
- P2.21** Agreement between intraocular pressure measurements determined with icare pro rebound, ocular response analyzer and Goldmann applanation tonometry
R. Sanchez Jean, C. Mendez Hernandez, F. Sáenz Francés, J. García-Feijoo (Spain)
- P2.22** Changes in the structure of lamina pores within the lamina cribrosa using wide bandwidth, femtosecond mode-locked laser optical coherence tomography; effect of glaucoma
T. Shoji, H. Kuroda, M. Suzuki, H. Ibuki, M. Araie, I. Kimura, S. Yoneya (Japan)
- P2.23** Developing a normative database for inner macula layers using spectral domain OCT
M. Nieves-Moreno, P. Cifuentes-Canorea, M. Sastre-Ibáñez, J. García-Feijoo, J.M. Martínez-de-la-Casa (Spain)
- P2.24** Inner retinal change in glaucoma
E.K. Kim, H.L. Park, C.K. Park (South Korea)
- P2.25** Effects of Nd:YAG laser iridotomy on anterior segment parameters of pigment dispersion syndrome and pigmentary glaucoma
B. Basarir, I. Pasaoglu, C. Altan, B. Satana, B. Celik, A. Inal, M. Taskapili (Turkey)
- P2.26** FAST questionnaire: a new tool for a fast assessment of ocular surface trouble
C. Baudouin (France)
- P2.27** Is the contact sensor lens triggerfish influenced by light?
C. Faschinger, M. Mächler, G. Mossböck (Austria)
- P2.28** The ISNT rule satisfaction in Korean non-glaucomatous subjects
D.G. Choi (South Korea)
- P2.29** Glaucoma detection using OCT angiography of the optic nerve head: a case control study
M. Michelessi, M. Ferrazza, F. Berardo, L. Tanga, G. Roberti, G. Manni, F. Oddone (Italy)
- P2.30** Intraocular pressure measuring results with three different tonometer in eyes with keratoconus
M. Batur, E. Seven, A. Çinal, C. Caglar, T. Yasar (Turkey)
- P2.31** Effects of hemodialysis on intraocular pressure in a university hospital located in midwestern Brazil
R.E. Silva, A.R. Almeida, T. Oliveira, A.C. Paula, F.W. Rodrigues (Brazil)
- P2.32** Normal tension glaucoma associated with optic disc pit maculopathy in a myope
L. Magarasevic, S. Sukalo, Z. Abazi (Serbia)
- P2.33** Clinical comparison of Corvis ST tonometer with noncontact, iCare and applanation tonometers in eyes with different ranges of central corneal thickness
S. Nirmal Kumar (India)
- P2.34** Uveal effusion syndrome: a case study
K. Zagajewska, I. Grabska-Liberek, K. Skonieczna, J. Kosmala (Poland)
- P2.35** A randomised cross over blinded study in healthy volunteers to assess the effect of acetazolamide on intraocular pressure after Trendelenburg positioning
P. Vitish-Sharma, A. Abbas, A. King, A.G. Acheson (United Kingdom)
- P2.36** Peripapillary choroidal thickness in pseudoexfoliation glaucoma: a study with enhanced depth imaging optical coherence tomography
I. Gama, I. Gonçalves, L. Almeida, M. Monteiro-Grillo (Portugal)
- P2.37** Reproducibility of measurement of Bruch's membrane opening (BMO) in SD-OCT
C.K. Brinkmann (Germany)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P2.38** A comparison of various tonometry methods
I. Pasenova, N. Strenev (Russia)
- P2.39** Effect of epiretinal membrane on retinal nerve fiber layer thickness in eyes with glaucoma
J.J. Jung, J.M. Wi, Y.H. Sohn (South Korea)
- P2.40** The thickness of the macular ganglion cell - Inner plexiform layer and retinal nerve fibre layer thickness in eyes suspected with glaucoma compared to normal eyes - A cross sectional study
T. Alasbali (Saudi Arabia)
- P2.41** Impact of Scottish intercollegiate guideline network (SIGN) guidelines on glaucoma referrals in Ninewells Hospital Ophthalmology department, Tayside
D. Roberts, K. Ah-See, S. Gillan (United Kingdom)
- P2.42** Evaluation of Corvis tonometer in healthy subjects and patients with ocular hypertension and glaucoma
I. Halkiadakis, M. Miligkos, I. Hatziaggellidis, K. Kaprinis, E. Patsea, S. Skouriotis (Greece)
- P2.43** Uncontrolled glaucoma, episcleral venous stasis and high hypermetropia: diagnosis and treatment strategies
S. Crisóstomo, J. Cardigos, L. Costa, B. Carvalho, V. Lemos, R. Flores, L.A. Pinto (Portugal)
- P2.44** Threshold fluctuation comparison between oculus smartfield spark strategy and humphrey sita fast
R. Abreu-Gonzalez, P. Rodriguez-Esteve, C. Pena-Bethencourt, M. González-Hernández, M. Gonzalez de la Rosa (Spain)
- P2.45** Mismatch (MM). A new disharmony index for diagnosis in the glaucomatous visual field
M. Gonzalez de la Rosa, R. Abreu-Gonzalez, P. Rodríguez-Esteve, C. Pena-Betancor, M. González-Hernández (Spain)
- P2.46** Non referral to ophthalmologists as a cause of late diagnosis of glaucoma in older adults
R. Neshet, L. Okrent, O. Segal (Israel)
- P2.47** Anterior chamber angle assessment with the Scheimpflug principle and with optical coherence tomography. Comparative data
A.J. Kanellopoulos, C. Karabatsas (Greece)
- P2.48** Outcomes of glaucoma referrals across Europe: accuracy of referring criteria
A.C. Viswanathan, P. Founti, G. Hollo*, B. Cvenkel, M. Iester***, A.-B. Haidich****, P. Kothy*, F. Topouzis****** (United Kingdom, *Hungary, **Slovenia, ***Italy, ****Greece)
- P2.49** Comparison of travoprost/timolol maleate and latanoprost/timolol maleate fixed combination in patients with primary open angle glaucoma
G. Ay, G. Kaya (Turkey)
- P2.50** Peculiarity of morphology and functional data of retina in the patients with primary low tension glaucoma in the condition of work-related psycho-emotional stress
N. Veselovskaya, Z. Veselovskaya (Ukraine)
- P2.51** Spectral-domain optical coherence tomography in glaucoma: its additive role in structural diagnosis
S.H. Kim, K.E. Kim, S. Oh, J.W. Jeoung, M.H. Suh, J.H. Seo, M. Kim, K.H. Park, D.M. Kim (South Korea)
- P2.52** Inter-ocular asymmetry of OCT- angiography data in patients with monocular primary open-angle glaucoma and healthy subjects
N. Strenev, P. Kostareva (Russia)
- P2.53** Cluster classification of HFA 10-2 test points and the relationship between structure and function in glaucoma
T. Fukuchi, S. Ochiai, Y. Sakaue, T. Togano, R. Igarashi, A. Suetake (Japan)
- P2.54** Comparison of Goldmann and ORA tonometers in newly diagnosed, untreated, POAG and OHT eyes
G. Bolivar, C. Sanchez-Barahona, C. Gutiérrez-Ortiz, B. Castaño, M. Teus (Spain)
- P2.55** Predictive factors of the amount of visual field damage in newly diagnosed, untreated, open angle glaucoma eyes
C. Sanchez-Barahona, G. Bolivar, J. Paz-Moreno-Arrones, M.J. Martinez, M. Teus (Spain)
- P2.56** Blood flow parameters in eyes with early glaucomatous visual field defects using transpalpebral rheophthalmography
A. Kleyman, O. Kiseleva, A. Bessmertny, E. Iomdina, P. Luzhnov, D. Shamaev (Russia)
- P2.57** Optical coherence tomography based scattering properties of retinal vessel morphology in glaucoma patients
R. Kromer, A. Bartels, M. Klemm (Germany)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P2.58** Evaluation of visual field test parameters after artificial tear administration in patients with glaucoma and dry eye
P. Özyol, E. Özyol, A. Karalezli (Turkey)
- P2.59** Comparison of anterior segment measurements with lenstar and pentacam in patients using prostoglandine analogues
E. Sen, M. Inanc, U. Elgin (Turkey)
- P2.60** Correlation between retinal nerve fiber layer thickness and central corneal thickness in patients with primary open-angle glaucoma
N. Covic Kalinic, N. Covic, V. Covic (Serbia)
- P2.61** The relationship between retinal layer thickness and visual function in different stages of primary open angle glaucoma
H. Tanaka, W. Yamada, T. Nishida, K. Mochizuki, K. Ishida, A. Sawada, T. Yamamoto (Japan)
- P2.62** Comparison of the diagnostic abilities of cirrus and spectralis optical coherence tomography devices for macular inner retinal layer analysis in glaucoma
B.H. Kim, E.J. Lee, K.M. Lee, T.W. Kim (South Korea)
- P2.63** Frequent location of visual field defects in glaucoma suspects and pre-perimetric glaucoma patients as evaluated by SITA-SWAP
N. Kasahara, P.R.C. Oliveira, C. Caixeta-Umbelino, M.D. Paolera (Brazil)
- P2.64** Differences between peripapillary retinal nerve fiber layer analysis with and without anatomic positioning system
Á. Sánchez Ventosa, J.M. Martínez-de-la Casa, F. Saenz Frances, L. Morales, E. Santos, E. Mata, J. García-Feijoo (Spain)
- P2.65** Peripapillary retinal nerve fiber layer in glaucoma patients
A. Miljkovic, N. Babic (Serbia)
- P2.66** Translaminar gradient and glaucoma
J. Cmelo, E. Cmelova, D. Huskova, J. Camajova (Slovakia)
- P2.67** Diagnostic performance of Heidelberg edge perimeter glaucoma Hemifield Test versus retinal nerve fibre layer thickness measurements with spectralis optical coherence tomography
A. Asorey-García, C. Méndez-Hernández, J. García-Feijoo (Spain)
- P2.68** Evaluation of diagnostic performance of the program ASTA-Standard from Heidelberg edge perimeter (HEP) in glaucoma patients. Comparative study with program TOP G1 from OCTOPUS
S. Aguilar-Munoa, A. Asorey-García, C. Méndez-Hernández, J. García-Feijoo (Spain)
- P2.69** Diagnostic ability for glaucomatous optic neuropathy of Humphrey perimetry and Cirrus OCT
B. Monsalve, A. Ferreras, J. Monsalve (Spain)
- P2.70** Comparison of Corvis ST tonometer (CST) with other tonometer and clinical usefulness of Corvis ST tonometer in glaucoma patients
S.J. Ha, Y.S. Kim, D.H. Park (South Korea)
- P2.71** Evaluation of the mean deviation in progressive glaucoma using octopus perimetry
C. Mendez-Hernandez, F. Perez-Bartolome, A. Asorey-Garcia, L. Perucho-Gonzalez, G. Arcos-Villegas, C. Sanz-Pozo, J. García-Feijoo (Spain)
- P2.72** In vivo cone imaging by a modified HRA2 in glaucoma
J. Matlach, P.J. Mulholland, M. Cilkova, R. Chopra, N. Shah, T. Redmond, S.C. Dakin*, D.F. Garway-Heath, R.S. Anderson (United Kingdom, *New Zealand)
- P2.73** Thickness in outer retinal layers does not differ between early and advanced primary open angle glaucoma
S. Inan, E. Norman, U. Inan (Turkey)
- P2.74** The relationship between intracranial pressure and visual field clusters in normal-tension glaucoma patients
L. Siaudvytyte, I. Januleviciene, A. Daveckaite, A. Ragauskas, A. Harris* (Lithuania, *USA)
- P2.75** Hydrochlorothiazide use and acute angle-closure glaucoma: a case report
B. Özen, G. Türe, H. Öztürk (Turkey)
- P2.76** Morphometric changes of the lens and their importance in the development of primary angle-closure glaucoma
E. Sorokin, A. Marchenko, O. Danilov (Russia)
- P2.77** Study of biometric parameters in first degree relatives of patients with angle closure disease
S. Gupta, N. Beke, P. Ichhpujani, H. Garg (India)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P2.78** Qualitative and quantitative evaluation of acute angle-closure mechanisms
Y. Suwan, S. Jiamsawad, W. Supakontanasan, C. Teekhasaenee (Thailand)
- P2.79** Association of lens vault related parameters with angle closure
A. Chew, M. Nongpiur, M. He*, T. Aung (Singapore, *China)
- P2.80** Cystoid macular edema after laser peripheral Iridectomy
P.S. Mahar (Pakistan)
- P2.81** Unilateral buphthalmos and normal intraocular pressure with unpredictable IOP rises in a 4 month old patient
M. Eraslan, B. Dirican, A.D. Yücelten (Turkey)
- P2.82** AS OCT in the diagnosis of anterior segment dysgenesis
Z. Abazi, V. Jovanovic, L. Magarasevic (Serbia)
- P2.83** Prediction of glaucoma in patients with familial congenital iris hypoplasia
T. Iureva, A. Shchuko, Y. Pyatova (Russia)
- P2.84** Intraocular pressure in infants and its association with hormonal changes with vaginal birth versus Cesarean section
A. Elbay, U. Celik (Turkey)
- P2.85** Structural diagnosis in childhood glaucoma: analysis of the optic nerve head hemoglobin (ONH Hb) and the retinal nerve fiber layer (RNFL) thickness
M. Dupré Peláez, L. Perucho, C. Méndez Hernández, L. Morales-Fernández, J.M. Martínez-de-la-Casa, F. Sáenz Francés, E. Santos Bueso, A. Fernández Vidal, S. García-Saenz, J. García-Feijoo (Spain)
- P2.86** Intraocular pressure in children under general anesthesia: sevoflurane versus nitrous oxide
E. Bitrian, J. Tutiven, P. Chang, A. Grajewski (USA)
- P2.87** Iridocorneal endothelial syndrome mimicking acute angle-closure glaucoma
T.-E. Kao, K.-Y. Wu (Taiwan)
- P2.88** Schwartz-Matsuo syndrome in the differential diagnosis of hypertensive uveitis
J. Davo-Cabrera, A. Lanzagorta-Aresti, P. Alcocer-Yuste (Spain)
- P2.89** Correlation between structural and functional changes in pseudoexfoliation syndrome
K. Novak Laus, M. Simic Prskalo*, Z. Tomic, M. Vidovic (Croatia, *Bosnia and Herzegovina)
- P2.90** Reproducibility of the water drinking test in patients with exfoliation syndrome and exfoliative glaucoma
E. Özyol, P. Özyol, A. Karalezli (Turkey)
- P2.91** The demographic and clinical specialties of neovascular glaucoma cases in tertiary ophthalmic centers in Ankara
U. Elgin, Z. Aktas, Ü. Eksioğlu, A. Akman, S. Güngör, T. Takmaz (Turkey)
- P2.92** Glaucoma associated with hereditary transthyretin amyloidosis in France
A. Rousseau, E. Barreau, C. Reynaud, C. Cauquil, M. Théaudin, S. Valleix, A. Guiochon-Mantel, D. Adams, M. Labetoulle (France)
- P2.93** Subfoveal choroideal thickness in uveitic glaucoma patients and healthy subjects: preliminary results
E. Çerman, M. Eraslan, F. Esen, H. Çeliker, H. Kazokoglu (Turkey)
- P2.94** Prevalence, incidence and risk factors for glaucoma and outcomes of surgical management in aniridia
S. Balekudaru, N. Sankaranarayanan (India)
- P2.95** Quantitative analysis of the lens position and the curvature of the anterior lens surface in normal Japanese subjects
K. Mori, J. Kubo, R. Oda, Y. Ikeda, M. Ueno, K. Imai, H. Yoshikawa, Y. Yamamoto, N. Koizumi, S. Kinoshita, C. Sotozono (Japan)
- P2.96** Slit lamp applanation tonometry can be misleading in Graves orbitopathy
V. De Groot, I. Leysen, D. Godts, M.J. Tassignon (Belgium)
- P2.97** Effect of inhaled steroids on the intraocular pressure - is there more than meets the eye?
S. Shroff, R.K. Thomas, S. Nithyanandam, G. D'Souza, S. Porwal, P. Isloor (India)
- P2.98** Large choroidal malignant melanoma presenting as neovascular glaucoma
I. Yalvac, B. Sahan, S. Tuncer (Turkey)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



Poster Session 3

Follow-up

Chairs: **Francisco Javier Goñi** (Spain), **Anders Heijl** (Sweden)

- P3.1** Analysis of risk factors of female normal-tension glaucoma in the severity of visual field loss
C. Sannohe, Y. Ikeda, K. Mori, H. Yamada, S. Tsuzaki, C. Toyokawa, A. Nara, M. Ueno, M. Nakano, K. Yoshii, S. Kinoshita, C. Sotozono (Japan)
- P3.2** Retinal vessel diameter in bilateral glaucoma suspects: comparison between the eye converted to glaucoma and the contralateral non-converted eye
Y.Y. Kim (South Korea)
- P3.3** Evaluation of fixation on glaucomatous and normal subjects using Compass
L.M. Rossetti, P. Fogagnolo, G. Montesano, M. Digiuni (Italy)
- P3.4** Relationship between mean sensitivity and false-negative responses in glaucoma
D. Janjic (Serbia)
- P3.5** Evaluation of the new rebound self-tonometer Icare HOME compared with Goldmann tonometer
D. Takagi, A. Sawada, T. Yamamoto (Japan)
- P3.6** Repeatability of macular retinal thickness of different layer segments in glaucomatous eye measured with spectral-domain optical coherence tomography
S. Adachi, D. Shiba, E. Hirano, T. Ono, K. Yuki, K. Tsubota (Japan)
- P3.7** Macula in glaucoma: blood flow evaluated by OCT-angiography
N. Kuryshva (Russia)
- P3.8** Efficacy of endoscopic cyclophotocoagulation (ECP) - Single procedure or combined with cataract phacoemulsification in long term follow-up
D. Dobrowolski, M. Rebkowska-Juraszek, E. Wylegala (Poland)
- P3.9** CO₂ laser-assisted deep sclerectomy surgery (CLASS) - One year follow-up
E. Wylegala, D. Dobrowolski, D. Tarnawska (Poland)
- P3.10** Hypotony following glaucoma surgery - a review of current definitions and their impact on "success"
A. Abbas, P. Agrawal, A.J. King (United Kingdom)
- P3.11** Telemetric IOP monitoring using an implantable suprachoroidal pressure transducer
S. Mariacher, M. Ebner, K. Januschowski, P. Szurman (Germany)
- P3.12** Intermediate-term outcomes of Baerveldt® glaucoma implant surgery in Japanese patients
N. Takahashi, W. Yamada, H. Tanaka, K. Ishida, Y. Niimi, K. Kawase, K. Mochizuki, T. Yamamoto (Japan)
- P3.13** Self-monitoring of daily IOP fluctuations with home tonometry in healthy subjects
L. Quérat, E. Chen (Sweden)
- P3.14** Gaze tracking indices in Humphrey field analyzer 10-2 program
H. Murata, R. Asaoka (Japan)
- P3.15** Follow-up of patients treated by prostaglandins eyedrops. Preliminary results from the FREE survey
I. Grabska-Liberek, M. Rogowska, H. Kolstad Laukeland*, J.-F. Rouland** (Poland, *Norway, **France)
- P3.16** Cytoprotective effect of sulfated glycosaminoglycans (sGAGs) on human corneal epithelial cells exposed to benzalkonium chloride (BAK) in vitro
A.V. Tereshenko, Y.A. Belyy, E.K. Takhchidi, E.V. Petersen, S.V. Novikov, G.Y. Usanova (Russia)
- P3.17** Study of reparative processes in the rabbit corneal epithelium during treatment with sulfated glycosaminoglycans (sGAGs) in vivo
Y.A. Belyy, A.V. Tereshenko, E.K. Takhchidi, S.V. Novikov, G.Y. Usanova (Russia)
- P3.18** Rebound tonometry: measurement of intraocular pressure, reproducibility and influence of central corneal thickness
F. Neves, D. Meira, T. Viegas, J. Sequeira (Portugal)
- P3.19** Preliminary investigation on the safety and effectiveness of trabectome
C. Zhang (China)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P3.20** Visco canalostomy - A safer surgical option for pseudoexfoliation glaucoma. Case series
A. Ivanescu, T. Filofteia, D. Mathews (United Kingdom)
- P3.21** Interest of high-frequency ultrasound biomicroscopy in transcleral diode laser cyclophotocoagulation
N. Benhatchi, Z. Khoueir, M. Graber, Y. Lachkar, F. Chaput (France)
- P3.22** Laser peripheral iridotomies: a real-world comparison of outcomes between consultant ophthalmologists and junior trainees
S. Khan, F. McGregor, I. Zaheer (United Kingdom)
- P3.23** Agreement between spectral-domain optical coherence tomography and standard automated perimetry in the detection of glaucoma progression and rates of retinal nerve fiber layer thinning in glaucoma and glaucoma suspect eyes
P. Casas-Llera, L. Díez-Álvarez, F. Peralta, G. Rebolleda, C. Cabarga, F.J. Muñoz-Negrete (Spain)
- P3.24** Agreeing a minimum standard set of outcome measures for glaucoma treatments. A Delphi exercise
J. Somner, R. Ismail, A. Azuara-Blanco, A. King (United Kingdom)
- P3.25** Long-term outcomes of saphirine drainage implantation in the surgery treatment of patients with refractory glaucoma
M. Pravosudova, V. Naumenko (Russia)
- P3.26** Analysis from spectral domain OCT combined with static perimetry for assessment of effectiveness in glaucoma surgery in POAG by FORUM Glaucoma Workplace software
P. Soucek, J. Novak, I. Souckova, M. Ivancova, O. Rusnak (Czech Republic)
- P3.27** Selective laser trabeculoplasty as replacement therapy for medical glaucoma treatment: a 3-year follow-up trial
G. Baser, E. Karahan (Turkey)
- P3.28** Long term progression and relevant risk factors in primary open angle glaucoma in clinical care
C. Feraru, D. Chiselita, A. Pantalon (Romania)
- P3.29** Four-year evaluation of seasonal intraocular pressure variation in primary open-angle glaucoma patients post trabeculectomy
Y. Maruyama, Y. Ikeda, K. Mori, R. Sato, F. Sato, K. Yoshii, M. Ueno, K. Imai, H. Yoshikawa, M. Nakano, C. Sotozono, K. Tashiro, S. Kinoshita (Japan)
- P3.30** The results of the 10-year follow-up of patients after glaucoma surgery
V. Egorov, A. Postupaev (Russia)
- P3.31** Relationship between mean deviation and pattern standard deviation according to the character of the glaucomatous visual field defect
K.N. Kim, E.K. Lee, C. Kim, M.W. Lee (South Korea)
- P3.32** Optic disc rotation as a clue for predicting visual field progression in myopic normal tension glaucoma
S.W. Park, M.S. Sung (South Korea)
- P3.33** Intraocular pressure fluctuation and progression of visual field defect in patients with primary open angle glaucoma in monotherapy
O. Vattovani, A. Zanei, A.A. Perrotta, S. Bassini, P. Cecchini, A. Zagidullina, P. Brusini, D. Tognetto (Italy)
- P3.34** The effect of visual function, visual field progression rate, medical and surgical treatments on quality of life in glaucoma
R. Asaoka, H. Murata (Japan)
- P3.35** Comparison of the tear osmolarity levels between glaucoma patients under IOP-lowering medication and healthy controls
M.A. Teus, M.A. Castejon Cervero, D. Ferrari, M. Roldan, J. Paz Moreno-Arrones (Spain)
- P3.36** Nailfold videocapillaroscopic examination in normal-tension glaucoma patients
U. Lukasik, E. Kosior-Jarecka, J. Bartosinska, D. Wróbel-Dudzinska, D. Pozarowska, D. Krasowska, G. Chodorowska, T. Zarnowski (Poland)
- P3.37** Impact of local pharmacotherapy variations on some clinical aspects of primary open angle glaucoma patients
O. Solyannikova, E. Tur (Russia)
- P3.38** Three years results after the implantation of the microstent Cypass
M. Rau (Germany)
- P3.39** Monitoring the progression of glaucoma changes using HRTII and Humphrey perimeter
J. Sekac, S.L. Ferkova, V. Krasnik (Slovakia)
- P3.40** Choroidal thickness in pseudoexfoliation glaucoma does not change with severity of glaucoma
S. Ugurlu, D. Egrilmez, S. Sahin Atik, Y.Z. Guven (Turkey)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P3.41** Study of the ocular surface disease in glaucoma patients after ex-press implant surgery
E. Conesa Hernandez, C. Montón, E. Mata, C. De Pablo, A. Sánchez (Spain)
- P3.42** Non-contact telemetric IOP measurement via implantable pressure sensor. Preliminary results from the ARGOS-02 trial
L. Choritz, H. Thieme (Germany)
- P3.43** Correlation among multifocal ERG, perimetry and OCT in open-angle glaucoma
W. Yamada, H. Tanaka, T. Nishida, A. Sawada, K. Mochizuki, T. Yamamoto, K. Ishida (Japan)
- P3.44** Long-term follow-up results of tilted disc group and case matched non-tilted disc group in myopic glaucoma eyes
B.R. Seol, M.J. Lee, S.H. Kim, K.H. Park, J.W. Jeoung (South Korea)
- P3.45** Patterns of peripapillary retinal nerve fiber layer thinning in primary open angle glaucoma/glaucoma suspects using spectral domain OCT
J.H. Lee, W.H. Oh (South Korea)
- P3.46** Long-term follow-up after implantation of a telemetric intraocular pressure sensor in patients with glaucoma
A. Koutsonas, P. Walter, N. Plange (Germany)
- P3.47** Effect of glaucoma surgery on optical coherence tomography angiography macular and optic nerve head vascular density measurements
K. Mansouri, K. Hoskens, R.N. Weinreb*, J. Guidotti, A. Elameen, A. Ouabas, A. Mermoud (Switzerland, *USA)
- P3.48** Long-term evaluation of lamina cribrosa displacement with optical coherence tomography after glaucoma surgery
P. Krzyzanowska-Berkowska, A. Melinska, I. Helemejko, K. Czajor, D.R. Iskander (Poland)
- P3.49** Intraocular pressure assessment using applanation resonance tonometry and Goldmann applanation tonometry. A comparative study
W. Czak, M. Mulak, M. Misiuk-Hojlo (Poland)
- P3.50** The change of intraocular pressure after cataract surgery in patients with angle-closure glaucoma and the factor associated with the change in intraocular pressure
J.L. Kim, J.M. Lee, T.H. Kim (South Korea)
- P3.51** Strabismus in children with primary congenital glaucoma
C. Blecha, R. Greslechner, H. Helbig, I. Oberacher-Velten (Germany)
- P3.52** Relationship between corneal hysteresis (CH) and corneal central thickness (CCT) in childhood glaucoma
L. Perucho-González, F. Sáenz Francés, L. Morales-Fernández, C.D. Méndez Hernández, J.M. Martínez-de-la-Casa, E. Santos Bueso, J. García-Feijoo (Spain)
- P3.53** Long-term outcomes of primary congenital glaucoma in Spanish patients
L. Morales-Fernández, J.M. Martínez-de-la-Casa, F. Saenz Frances San Baldomero, S. García-Saenz, J. García-Feijoo (Spain)
- P3.54** Dry eye syndrome in children with congenital glaucoma
V. Brzheskiy, E. Somov (Russia)
- P3.55** Secondary glaucoma in phakomatosis pigmentovascularis
V. Jovanovic, Z. Abazi, L. Magarasevic (Serbia)
- P3.56** Topographic changes of the optic nerve head in children with suspect glaucoma
V. Maric, V. Markovic, M. Božic, I. Marjanovic (Serbia)
- P3.57** Long term results of Ahmed glaucoma valve implantation for refractory pediatric uveitic glaucoma
O. Balta, M. Yakin, U. Eksioğlu, G. Sungur, S. Uzman, C. Oktem, H.H. Telek, G. Ozkan Uney, F. Ornek (Turkey)
- P3.58** Incidence and risk factor of elevated intraocular pressure after dexamethasone intravitreal implant
J.-W. Lee (South Korea)
- P3.59** Intraocular pressure changes during and after temporary silicone oil endotamponade
A. Bilha, D. Branisteanu (Romania)
- P3.60** Pigmentary glaucoma in clinical practice
A. Yarangumeli, T. Takmaz, U. Eksioğlu, T. Mumcuoglu, A. Akman, S. Gungor (Turkey)
- P3.61** Secondary glaucoma in cytomegalovirus (CMV) anterior uveitis
V. Kotingová, M. Fichtl, J. Heissigerová, L. Kondrová, E. Růžicková (Czech Republic)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P3.62** Clinical characteristics of ocular ischemic syndrome and risk factors for neovascular glaucoma
M.S. Sung, S.W. Park (South Korea)
- P3.63** Clinical characteristics of pseudoexfoliation glaucoma and factors associated with the progression of pseudoexfoliation glaucoma
Y. Moon, K.R. Sung, J.M. Kim, K.U. Shin, C. Yoo, J.-H. Park (South Korea)
- P3.64** Treatment of neovascular glaucoma with ranibizumab
M. Terahi, M. Tiar (Algeria)
- P3.65** Pattern of presentation and treatment outcomes of patients with traumatic glaucoma
H. Garg, S. Gupta (India)
- P3.66** Comparison of three methods of tonometry in patients with thyroid-associated orbitopathy: Goldmann applanation tonometer, non-contact airpuff tonometer, and ICare rebound tonometer
M. Karhanová, K. Marešová, P. Mlčák, J. Zapletalová (Czech Republic)
- P3.67** Neovascular glaucoma treated with Ex-Press shunt in vitrectomised eyes
A. Lysek-Boron, D. Dobrowolski, E. Wylegala (Poland)
- P3.68** The clinical course in Posner Schlossman syndrome
T. Takmaz, H.E. Akmese, M. Çaglayan (Turkey)
- P3.69** Treatment of ocular hypotony after filtering surgery in patients with glaucoma secondary to uveitis
T. Simsek, P. Ozdal (Turkey)
- P3.70** The influence of prophylactic YAG-iridotomy on intraocular pressure in patients diagnosed with pigment dispersion syndrome
I. Przybylska-Rybczynska, A. Brazert, J. Jamszol, J. Kociecki (Poland)

Poster Session 4

Treatment 1

Chairs: **Julián García-Feijoo** (Spain), **Norbert Pfeiffer** (Germany)

- P4.1** Changes in central macular thickness and the effect of topical NSAID (nepafenac) following phacotrabeculectomy
G. Venkataraman, M. Dhavalikar (India)
- P4.2** Biodegradable collagen matrix-augmented Ahmed glaucoma valve implantation in end-stage glaucoma
S. Rho, C.-K. Lee, M. Lee, N. Lee, C.Y. Kim (South Korea)
- P4.3** Efficacy and safety of switching prostaglandin analogue-monotherapy to tafluprost/timolol fixed-combination
K. Kitamura, T. Chiba, F. Mabuchi, K. Kashiwagi (Japan)
- P4.4** Clinical experience with collagen-glycosaminoglycane-matrix in glaucomatous eyes with postoperative conjunctival defects - secondary wound healing and free conjunctival grafts
T. Dietlein, A. Rosentreter (Germany)
- P4.5** Results of mitomycin-C augmented viscocanalostomy for open-angle glaucoma
H. Sabur, M. Baykara (Turkey)
- P4.6** Laser intervention on trabeculo-descemet's membrane after resistant viscocanalostomy: selective 532 nm or conventional 1064nm Nd:YAG laser goniopuncture?
M. Baykara, H. Sabur, B. Can, A.A. Ozcan (Turkey)
- P4.7** Nepafenac and prevention of macular edema after cataract surgery in patients with topical hypotensive medication
E. Milla, O. Stirbu, I. Jimenez Franco, S. García Hernández, S. Duch (Spain)
- P4.8** Comparison of bevacizumab and 5-fluorouracil for needling revision in trabeculectomy
M.A. Carrasco (Argentina)
- P4.9** Long-term outcomes of ahmed glaucoma valve implantation in refractory glaucoma
C.K. Lee, J.G. Heo, S.S. Rho, C.Y. Kim (South Korea)
- P4.10** Surgical outcome with ologen implant in glaucoma surgery: one year of follow-up
M. Castejon, J. Paz, C. Gutierrez, R. Díaz, M. Teus (Spain)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P4.11** Minimal invasive surgical technique of IOL repositioning in a glaucoma patient with recurrent pupillary capture
K.T. Ma, C.Y. Kim, G.J. Seong (South Korea)
- P4.12** Five years follow up of CO2 laser assisted sclerectomy surgery (CLASS) in open angle glaucoma patients - a multi-center study report
M. Mimouni, E. Assia, N. Geffen (Israel)
- P4.13** Effects of rho-associated protein kinase inhibitor Y-27632 on scarring formation after glaucoma filtration surgery
H. Okumichi, W. Iwata, S. Okimoto, J.-A. Ko, Y. Kiuchi (Japan)
- P4.14** Three-year clinical results of 360-degree suture trabeculotomy using 5-0 nylon
K. Kano, Y. Kuwayama, N. Okazaki, R. Kuwamura (Japan)
- P4.15** Selective laser trabeculoplasty in primary angle closure glaucoma and primary open angle glaucoma after laser peripheral iridotomy
N. Vateva, D. Kazakova (Bulgaria)
- P4.16** Ocular surface evaluation in patients treated with prostaglandin analogues considering preservative agent
E. Mlcakova, P. Mlcak, M. Karhanova, K. Langova, K. Maresova (Czech Republic)
- P4.17** Effects of cataract surgery in glaucoma patients
E. Baser, S. Kilic, H. Mayali, G. Seymenoglu (Turkey)
- P4.18** The effectivity and failures of open-angled glaucoma patients receiving selective laser trabeculoplasty
H. Kyung, S.C. Yun, M.J. Oh, S.Y. Lee (South Korea)
- P4.19** Evaluation of bleb characteristics after trabeculectomy, Ex-Press implantation, and tube shunt surgery
K. Ishida, Y. Nakano, K. Ojino, M. Shimazawa, T. Otsuka, K. Kawase, H. Hara, T. Yamamoto (Japan)
- P4.20** Challenges of Ahmed valve
N. Volkova (Russia)
- P4.21** Initial clinical experience with Ahmed glaucoma valve implants with scleral flap method in a rural population of Central India
C. Kalamkar (India)
- P4.22** Survival of visual function in patients with advanced glaucoma after standard guarded trabeculectomy with MMC
D. Tsoukanas, A. Salonikiou, M. Zozolou, F. Topouzis, T. Filippopoulos (Greece)
- P4.23** Effects of retino-collicular coculture system on the neuroprotection of retinal ganglion cells
J.-A. Ko (Japan)
- P4.24** Ologen® implant behavior in the subconjunctival space after filtering surgery. One year follow-up
C. Gutiérrez-Ortiz, J. Paz, A. González-Mesa, M. Castejon, M.A. Teus (Spain)
- P4.25** Long-term outcome of initial ab externo trabeculotomy for adult-onset open-angle glaucoma
H. Deguchi, K. Mori, Y. Ikeda, M. Ueno, H. Yoshikawa, Y. Yamamoto, S. Kinoshita, C. Sotozono (Japan)
- P4.26** Eyewatch, an innovative adjustable GDD for the treatment of glaucoma:report on the first clinical results
A. Villamarin, A. Mermoud, S. Roy, N. Stergiopoulos (Switzerland)
- P4.27** Anti-transforming growth factor- β agent (pirfenidone) inhibits fibrosis in foreign body reaction after glaucoma drainage device implantation
K.I. Jung, N.Y. Lee, C.K. Park (South Korea)
- P4.28** Treatment of patients with glaucoma and ocular hypertension with preservative free fixed combination tafluprost 0.0015%/timolol 0.5%: results of a non-interventional, multi-center study
L.E. Pillunat, R. Auli*, F. Kimmich (Germany, *Finland)
- P4.29** Preservative-free fixed combination of tafluprost 0.0015% and timolol 0.5%: efficacy, tolerability and safety in patients switched from a monotherapy with prior prostaglandins or timolol
F. Kimmich, N. Pfeiffer, L.E. Pillunat, A. Ropo* (Germany, *Finland)
- P4.30** Switching patients from prostaglandin/timolol fixed combinations to the preservative-free fixed combination of tafluprost 0.0015% and timolol 0.5%
C. Erb, L.E. Pillunat, A. Ropo*, F. Kimmich (Germany, *Finland)
- P4.31** Therapy adherence in glaucoma - the patients' experience and practice
C. Wolfram, E. Stahlberg, N. Pfeiffer (Germany)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P4.32** Comparison of three-year outcomes after cataract surgery with deep sclerectomy vs. cataract surgery with trabecular stent implantation in patients with cataract and glaucoma or ocular hypertension
K. Schargel, J. Belda, I. Polanco, L. Rial, M.A. Garcia (Spain)
- P4.33** Modifies medical treatment for glaucoma conjunctival bacterial flora?
P. Rojas Lozano, J.L. Urcelay Segura, T. Cuesta, E. Rubio, S. Miraflores, M. Bové, F. Salvador (Spain)
- P4.34** Intracameral anti VEGF as an augmentation in various types of glaucoma surgeries
E. Rosenfeld, S. Kurtz, N. Negri, A. Rozenblatt, G. Shemesh (Israel)
- P4.35** Low dose mitomycin C augmented trabeculectomy in advanced glaucoma
R. Panta Sitoula (Nepal)
- P4.36** Tafluprost: clinical use and outcome in various glaucoma types
E. Gan, M.C. D'Aquino, P.T.K. Chew (Singapore)
- P4.37** Dry eye disease in glaucoma patients treated with autologous serum eye drops and lubricant eye drops
D. Errico, E. Nescis, A. Russo, M. Martella, G. Errico, R. Riccardi, F.L. Scrimieri, A. Mavilio, L. Abruzzese (Italy)
- P4.38** The comparison of the clinical outcomes of Baerveldt glaucoma implant and trabeculectomy in patients with unsuccessful initial trabeculectomies
M. Takata, T. Ikeda, Y. Isshiki, T. Morimatsu, N. Ookusa, S. Kanno, O. Mimura (Japan)
- P4.39** Canaloplasty with Stegmann's Canal Expander® for open-angle glaucoma
E. Mameletzi, A. Stangos, G. Sunaric Megevand (Switzerland)
- P4.40** The effects of polyquad-preserved travoprost, benzalkonium chloride (BAC)-preserved latanoprost, purite-preserved brimonidine and preservative-free tafluprost on ocular surface: a rabbit ocular surface study
B. Gorgulu, O. Ocakoglu, I. Seckin, S. Demirci Delipinar, T. Ekiz Yilmaz, B. Kaleci (Turkey)
- P4.41** How intraocular pressure and corneal biomechanics change when a non-penetrating deep sclerectomy is reconverted into trabeculectomy
E. Fuentesmilla Manzanares, C. Cabarga del Nozal, A. Casado Rojo, A. Pérez Sarriegui (Spain)
- P4.42** Twice-a-day fixed-combination brinzolamide 1%/brimonidine 0.2% (BBFC) adjunctive to a prostaglandin analog (PGA) in patients with open-angle glaucoma (OAG) or ocular hypertension (OH): design of a multicenter study
F. Topouzis, N. Gustafson*, D. Hubatsch* (Greece, *USA)
- P4.43** Grading bulbar redness using the keratograph 5M. Correlations with Efron and McMonnies scales
C. Sanz Pozo, F. Pérez Bartolomé, J.M. Martínez-de-la-Casa, P. Arriola Villalobos, C. Fernández Pérez, J. García-Feijoo (Spain)
- P4.44** New way of drainage surgery in the treatment of glaucoma
A.N. Zhuravleva, O.A. Kiseleva, E.A. Suleiman (Russia)
- P4.45** The first experience of canaloplasty: how to avoid complications
T. Imshenetskaya, G. Vashkevich, Y. Milasheuski (Belarus)
- P4.46** Long-term efficacy of micropulse diode transscleral cyclophotocoagulation in the treatment of refractory glaucoma
M.C. Aquino, P. Chew (Singapore)
- P4.47** The role of postoperative treatment in glaucoma surgery
G. Vashkevich, T. Imshenetskaya (Belarus)
- P4.48** The evaluation of intraocular pressure fluctuation in glaucoma subjects during exercise using an ocular telemetry sensor
B. Bozkurt, N. Okudan, M. Beliviranli, A. Bozkurt Oflaz (Turkey)
- P4.49** Risk factors for endothelial cell loss in Ahmed tube implant
C. Menozzi, N. Ungaro, L. Varano, G. Bacchi, M. Tardini, S. Gandolfi (Italy)
- P4.50** A retrospective analysis of short-term outcomes of resident-performed glaucoma surgery
R. Dourado Leite, N. Lopes, G. Morgado, M.A. Costa, T. Paínhas (Portugal)
- P4.51** Glaukos iStent inject trabecular micro-bypass implantation associated with cataract surgery in patients with coexisting cataract and open-angle glaucoma or ocular hypertension: a long-term study
P. Arriola-Villalobos, L. Morales-Fernández, J.M. Martínez-de-la-Casa, J. García-Feijoo (Spain)
- P4.52** Outcome of repeat trabeculectomies: long term follow-up
A.J. King, I. Rodriguez-Una (United Kingdom)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P4.53** Non-penetrating deep sclerectomy with collagen implant: a 24 months follow-up study
J. Ferreira Mendes, R. Dourado Leite, N. Lopes, G. Morgado, M.A. Costa, T. Painhas (Portugal)
- P4.54** Angle configuration changes and Intraocular pressure reduction in normotensive glaucoma (NTG) after cataract operation
W. Lee, H.W. Bae, C.Y. Kim, G.J. Seong (South Korea)
- P4.55** Real world experience of the hydrus microstent: the Sydney Multicentre Study
A. Agar, C. Clement, L. Oh, R. Lim (Australia)
- P4.56** Protective effect of fluoroquinolones of cultured ocular cell lines
T. Nishida, Y. Kuse, K. Mochizuki, Y. Tetsuya, M. Shimazawa, H. Hara (Japan)
- P4.57** Clinical results and optimal age of lens-based glaucoma surgery
A. Koroleva, M. Komarova (Russia)
- P4.58** Synaptic modulation by brain-derived neurotrophic factor after chronic elevation of intraocular pressure in an animal model of glaucoma
C.K. Park, H.L. Park (South Korea)
- P4.59** Retinal safety studies of intravitreal injection of Rg1 ginsenosides on normal rabbit
L. Huang (China)
- P4.60** Tolerability of preservative-free prostaglandin analogues in long-term topical application - in vivo study
A. Smedowski, A. Trzeciecka, J.J. Paterno, E. Toropainen, A. Koskela, L. Podracka, E. Korhonen, A. Kauppinen, K. Kaarniranta (Finland)
- P4.61** Efficacy and safety of combined phaco plus trabeculectomy (Phaco+Trab) vs. Phaco plus Excimer Laser Trabeculostomy (Phaco+ELT) - 4 years follow-up
J. Wachtl, M. Töteberg-Harms, J. Funk, C. Kniestedt (Switzerland)
- P4.62** Efficiency and safety of the gunenc trabecular shunt implant in the treatment of glaucoma
U. Gunenc, G. Arikan, N. Yildirim, V.N. Ozdemir, M. Baykara, T. Simsek, U. Unsal (Turkey)
- P4.63** Comparative results of two selective laser trabeculoplasty treatment protocols
I. Papandreou, S. Levin (United Kingdom)
- P4.64** Are there real benefits from changing to preservative-free latanoprost? The PASSY survey
H. Lemij, F.J. Muñoz Negrete*, C. Erb, I. Stalmans***** (The Netherlands, *Spain, **Germany, ***Belgium)
- P4.65** Early outcomes of the CO2 laser-assisted sclerectomy surgery (CLASS) for open-angle glaucoma treatment
A. Bagnis, C.A. Cutolo, R. Scotto, C.E. Traverso (Italy)
- P4.66** Treatment of refractory glaucoma using UC3 ultrasounds
A. Fernández-García, F. Poyales, R. Pérez, B. Poyales, N. Garzon (Spain)
- P4.67** Efficacy and safety of a new surgical technique in pseudophakic malignant glaucoma eyes
A. Wilkos-Kuc, A. Wlaz, A. Rozegnal-Madej, M. Tulidowicz-Bielak, M. Rekas, T. Zarnowski (Poland)
- P4.68** Injection of autologous blood for clinically significant post-surgery glaucoma hypotony: one-year-follow-up results
S. Piludu, O. Stirbu, S. Djavanmardi, C. Arciniegas Perasso, E. Milla Griñó, S. Duch Tuesta (Spain)
- P4.69** Comparison of surgical outcomes of MMC augmented trabeculectomy and phacotrabeulectomy in eyes with primary open angle glaucoma versus primary angle closure glaucoma
S. Rajendrababu, U.S. Gajarlewar, V. Sasikumar, G.V. Puthuran, I. Durai (India)

Poster Session 5

Treatment 2

Chairs: **Franz Grehn** (Germany), **Tarek Shaarawy** (Switzerland)

- P5.1** Surgical revisions of Ahmed glaucoma valve implants
C. Altan, B. Satana, B. Basarir, I. Pasaoglu, N. Alagoz, M.G. Ulas, M. Taskapili (Turkey)
- P5.2** Minimally invasive management of hypotony after trabeculectomy with mitomycin C
J. Liput, A. Das, T. Burton (United Kingdom)
- P5.3** Astigmatism and visual outcome after canaloplasty
F. Lehmann, R. Greslechner, P. Peters, H. Helbig, I. Oberacher-Velten (Germany)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P5.4** Effects of the Ahmed glaucoma valve tube location in the anterior chamber on cornea
B. Satana, A. Koc, B. Basarir, C. Altan, I. Pasaoglu, A. Inal, F. Ozcelik, M. Taskapili (Turkey)
- P5.5** Phacotrabeculectomy with and without 0.04% mitomycin C - Efficacy and complication rate
A. Brazert, I. Przybylska-Rybczynska, E. Szpura, S. Pecold-Zielinska, K. Zalecki, J. Kociecki (Poland)
- P5.6** One-year follow-up comparison of phaco- Ex-Press shunt in primary open-angle glaucoma (POAG) versus pseudoexfoliative glaucoma (PXG)
C. López-Caballero, C. Sánchez-Sánchez, I. Contreras, V. Blázquez-Sánchez, B. Puerto-Hernandez (Spain)
- P5.7** Needle revision outcomes after glaucoma filtering surgery: a retrospective case series
A. Rabiolo, A. Marchese, P. Bettin, M. Fiori, C. Ciampi, F. Di Matteo, F. Bandello (Italy)
- P5.8** Results of HIFU compared with diode cyclophotocoagulation in refractory glaucoma
E. Bluwol, M. Graber, S. Hammoud, Y. Lachkar (France)
- P5.9** Novel diagnostic method for dry eye - initial clinical outcomes of 3D-WLT study of the Tear Film Imager
N. Geffen, F. Segev, Y. Cohen, Y. Arieli, R. Gefen, I. Januleviciene*, S. Armarnic, A. Harris** (Israel, *Lithuania, **USA)
- P5.10** Ethio-pathogenic therapy in patients with various forms of chronic anterior ischemic optic neuropathy
N. Goncharova, M. Pastukh, I. Pastukh (Ukraine)
- P5.11** Changes in ocular hypotensive effect of Rho-associated protein kinase inhibitor, ripasudil, with pilocarpine and timolol in rabbit eye
Y. Kiuchi, Y. Mizuno, M. Shibasaki, J. Ko (Japan)
- P5.12** Effect of mitomycin C augmented trabeculectomy on corneal endothelial cells
R. Zarei (Iran)
- P5.13** Ten-year outcomes of Ahmed glaucoma valve implantation
D. Tarnawska, A. Górecka-Niton, E. Wylegala (Poland)
- P5.14** Brimonidine-associated uveitis: lessons for the future
T. Gout, C. Burnett (United Kingdom)
- P5.15** Effects of titanium dioxide nanoparticles on proliferation and migration of human tenon's fibroblasts
S.U. Lee, S.J. Kim, J.E. Lee (South Korea)
- P5.16** Role of family physician in adherence to glaucoma medications
J. Benitez-del-Castillo, M. Rodriguez, M. Contreras, A. Rodriguez, A. Fernandez, D. Morillo, I. Mota (Spain)
- P5.17** Connecting glaucoma drainage device to a device in-situ for improved intraocular pressure control: piggyback drainage
E. Dervan, E. Lee*, W. Morgan*, A. Giubilato* (Ireland, *Australia)
- P5.18** Multilayer amniotic membrane transplantation for late-onset bleb leak after trabeculectomy
M. Lopez-Valladares, T. Rodriguez-Ares, R. Tourino, A. Suarez-Campo, L. Martinez (Spain)
- P5.19** Polyester vascular grafts in different types of glaucoma surgery - 10 years results
N. Palarie, T. Pasenco (Moldova)
- P5.20** Corneal epithelial changes induced by topical anti-glaucoma treatment
C. Karabatsas, A.J. Kanellopoulos (Greece)
- P5.21** Effects of subconjunctival bevacizumab in Ahmed glaucoma valve surgery
A. Miraftebi, N. Nilforushan, M. Dargahi, M. Yadeghari (Iran)
- P5.22** Long term evaluation of transcleral diode laser cyclophotocoagulation
S. Alamine, I. Orignac, P. Lebranchu, M. Weber (France)
- P5.23** Safety characteristics of the established optimal values of the intraocular pressure upper limit in patients with advanced primary open-angle glaucoma in terms of evidence-based medicine
A. Kuroedov, L. Abyшева*, R. Avdeev, A. Aleksandrov, N. Bakunina, A. Basinskiy, E. Blyum, A. Brezhnev, I. Gazizova, A. Galimova, V. Gar'kavenko, A. Getmanova, V. Gorodnichiy, A. Gusarevich, D. Dorofeev, P. Zavadskiy, O. Zvereva, U. Karimov***, S. Lanin, I. Loskutov, D. Lovpache, E. Molchanova, N. Nefedov, O. Onufriyuchuk, E. Openkova, S. Petrov, Y. Rozhko**, T. Sidenko, L. Tashtitova, N. Fomin, M. Khudzhatova** (Russia, *Kazakhstan, **Belarus, ***Uzbekistan)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P5.24** Interim 12-month efficacy, safety, and patient-reported outcomes in a phase 1/2 trial of bimatoprost sustained-release implants for glaucoma therapy
K.B. Martin, R.A. Lewis*, W.C. Christie*, D.G. Day*, E.R. Craven*, M. Bejanian*, S.S. Lee*, M.L. Goodkin*, J. Zhang*, M.R. Robinson (United Kingdom, *USA)
- P5.25** New ab-interno trabeculectomy with 25 gauge vitreous cutter
A. Manolache, A. Gavanescu, A. Burloiu, A. Secureanu, R. Ionescu (Romania)
- P5.26** Preoperative intraocular pressure as a predictor of selective laser trabeculoplasty efficacy
K.R. Pillunat, E. Spoerl, G. Elfes, L.E. Pillunat (Germany)
- P5.27** Efficacy and safety of AR-13324 ophthalmic solution 0.02% in two phase 3 studies in patients with open angle glaucoma and ocular hypertension
T. Heah, R.A. Lewis, N. Ramirez, C.C. Kopczynski, G.D. Novack, Rocket-1 and Rocket-2 Study Groups (USA)
- P5.28** Change of ocular higher order aberrations after mitomycin-C augmented trabeculectomy
J.H. Seo, S.H. Jo (South Korea)
- P5.29** Xen stent implantation for POAG/PXG: 1 year results
M.A. Economou (Sweden)
- P5.30** Mid-term evaluation of the iStent trabecular micro-bypass system combined with phacoemulsification
M. Kozera, J. Jablonska, K. Lewczuk, M. Rekas (Poland)
- P5.31** First results with the InnFocus MicroShunt® in the Netherlands
H. Beckers, S. Kujovic-Aleksov, R. de Crom, C. Webers (The Netherlands)
- P5.32** Rates of glaucomatous visual field change before and after metal trabeculotomy ab externo combined with deep sclerectomy in primary open angle glaucoma
N. Toyokawa (Japan)
- P5.33** IOP dynamics after single session selective laser trabeculoplasty in open angle glaucoma and ocular hypertension
A. Pantaloni, D. Chiselita (Romania)
- P5.34** Scleral retunneling and lateral tarsorrhaphy: definitive solution for recurrent valve tube exposure
N. Mendieta, J. Suarez, J. Arones, J. Moreno, A. Buigues, K. Bañon, L. Sararols, R. Cordova, A. Martinez, F.J. Goñi, M. Guarro (Spain)
- P5.35** Comparison of surgical outcomes between canaloplasty and a Schlemm's canal scaffold: a 24 months retrospective study
S. Gandolfi, N. Ungaro, L. Varano, M. Giacomelli, P. Mora (Italy)
- P5.36** The role of selective laser trabeculoplasty (SLT) in discontinuation of local anti-glaucoma therapy in pregnancy and breast-feeding
P. Vyborny, S. Sicakova, Z. Vesela Florova, I. Sovakova (Czech Republic)
- P5.37** Use of Ex-Press® implant in glaucoma surgery to increase aqueous humor drainage - Retrospective study
V. Fialová, M. Váša (Czech Republic)
- P5.38** Micropulse laser trabeculoplasty (MLT) for open angle glaucoma
M. Abouhusein (Egypt)
- P5.39** Combined trabecular micro-bypass stents implantation and phaco-emulsification: a everyday clinical practice report
M. Labetoulle, E. Barreau, C. Reynaud, M. M'Garrech, A. Rousseau (France)
- P5.40** Surgical technique for scleral melting 14 years after trabeculectomy with mitomycin C
E. Vandewalle, H. Delbeke, M.-T. Hua, I. Stalmans (Belgium)
- P5.41** A prospective, randomized study comparing the effects of selective laser trabeculoplasty and travoprost on the circadian intraocular pressure variation in patients with primary open-angle glaucoma, and normal tension glaucoma
S. Atthavuttisilp (Thailand)
- P5.42** A study to investigate the safety and efficacy of primary tube surgery - An analysis from a single centre
A. Daas, A. Logeswaran, M. Malik, F. Hassan, D. Butu, M. Westcott (United Kingdom)
- P5.43** Report on intermediate-term outcome of INNFOCUS® glaucoma filtration device implanted in 16 eyes in primary open angle glaucoma patients
S. Hammoud (France)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P5.44** Efficacy and safety of tra voprost/ timolol (DuoTrav®) for treatment of open-angle glaucoma or ocular hypertension in patients previously on beta-blocker
F. Lerner, D. Hubatsch* (Argentina, *USA)
- P5.45** Choroidal thickness and optic nerve head biomechanical changes after deep sclerectomy
F.J. Munoz-Negrete, G. Rebolleda (Spain)
- P5.46** Subsequent medical management of open-angle glaucoma patients treated with laser trabeculoplasty
A. Coleman, D. Wang, G. Li, H. Chandwani (USA)
- P5.47** Visco canaloplasty as rescue surgery in previously failed non penetrating deep sclerectomy: efficacy and safety
J.A. Urcola, H. Gonzalez Valdibia, M. Urbano Gómez (Spain)
- P5.48** Generic drugs - Are they equivalent to brand-names?
M. Kolko, P. Koch (Denmark)
- P5.49** Selective laser trabeculoplasty in pseudophakic and phakic eyes
M. De Keyser, M. De Belder, V. De Groot (Belgium)
- P5.50** Ultrasonic circular cyclo coagulation in patients with primary open-angle glaucoma with a second generation probe: results of a multicenter clinical trial
F. Aptel, J.-F. Rouland, I. Stalmans*, P. Denis (France, *Belgium)
- P5.51** A comparison of original and generic latanoprost in patients with open angle glaucoma
S. Guven Yilmaz, P. Kiyat, S. Yildirim, H. Ates (Turkey)
- P5.52** Effectiveness of combined phacoemulsification with modified tunnel trabeculopuncture in patients with primary open-angle glaucoma. Three years of follow up
V. Melnyk (Ukraine)
- P5.53** Prospective, randomized comparison of 1, 2 or 3 trabecular stents in patients with OAG not controlled on 1 preoperative medications: follow-up through 30 months
A. Fea (Italy)
- P5.54** Personal experience with second generation trabecular micro-bypass stents in open angle glaucoma: 18 months follow-up
F.H. Hengerer, I. Conrad-Hengerer (Germany)
- P5.55** Outcomes of 360° suture trabeculotomy ab interno with cataract surgery in patient with open-angle glaucoma coexisting cataract
T. Sato, T. Kawaji, A. Hirata, T. Mizoguchi (Japan)
- P5.56** The different surgical techniques assessment in patients with primary open-angle glaucoma
O. Hurzhii, V. Melnyk (Ukraine)
- P5.57** One-year outcomes following implantation of second generation trabecular micro-bypass stents and postoperative prostaglandin in patients with OAG not controlled on two preoperative medications
A. Juenemann (Germany)
- P5.58** Overnight inpatient intraocular pressure phasing in the management of open-angle glaucoma at a tertiary glaucoma centre in Ireland
N. Rahman, W.F. Siah, A. Doyle (Ireland)
- P5.59** Canaloplasty: long-term results on 300 cases
P. Brusini, C. Tosoni (Italy)
- P5.60** Safety, efficacy and outcome of CO2 laser-assisted sclerectomy surgery (CLASS) in eyes with POAG
P. Chan, I. Lai, C. Tham (Hong Kong)
- P5.61** Correlation of intraocular pressure and bleb morphology evaluated by anterior segment OCT
V. Dimovska (Macedonia)
- P5.62** A simple method of phaco-plus glaucoma surgery
M. Komarova (Russia)
- P5.63** Repeat augmented trabeculectomy is an effective first line for failed primary trabeculectomy
S. Biswas, A. Mohite, A. Ng, L. Jones, P. Ranjit (United Kingdom)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P5.64** Six months IOP reduction after implantation of new ab interno gel stent in open-angle glaucoma: pilot study for analyzing the efficacy of the stent based on its angle position
G. Dupont, D. Malaise, N. Collignon (Belgium)
- P5.65** Ab interno trabeculectomy with trabectome: outcomes in African American vs Caucasian patients
K. Damji (Canada)
- P5.66** Platelet rich fibrin membrane graft in post-trabeculectomy late onset bleb leakage
M. Okka, R. Oltulu, G. Satirtav, H.S. Kepenek, H. Kerimoglu (Turkey)
- P5.67** Comparison of the effects of dorzolamide/timolol fixed combination versus latanoprost on intraocular pressure and ocular perfusion pressure in patients with normal-tension glaucoma: a randomized, crossover clinical trial
N.Y. Lee, H.Y. Park, C.K. Park (South Korea)
- P5.68** Five years' experience with selective laser trabeculoplasty in St. Lucia
T. Realini (USA)
- P5.69** Effects of head elevation on intraocular pressure in patients with open-angle glaucoma: raising bed head vs. using multiple pillows
C. Yoo, J.-H. Park, K.T. Nam, Y.Y. Kim (South Korea)

Poster Session 6

Treatment 3

Chairs: **Luca Rossetti** (Italy), **John Thygesen** (Denmark)

- P6.1** XEN-45 implantation for primary open angle glaucoma: one-year results of a multi-center study
K. Barton, C. Sng*, V. Vera** (United Kingdom, *Singapore, **USA)
- P6.2** Short-term changes in conjunctival bacterial flora using different drugs for glaucoma treatment
R. Bringas-Calvo, A. Sanz-Aguado (Spain)
- P6.3** Combined laser technologies in treatment of pseudoexfoliative glaucoma (PEG)
T. Sokolovskaya (Russia)
- P6.4** Long-term outcomes of trabeculectomy combined with phacoemulsification in pseudoexfoliation glaucoma versus primary open angle glaucoma
N. Yuksel, E. Kesim, B. Özkan (Turkey)
- P6.5** Evaluation of the XEN implant in patients with moderate primary open-angle glaucoma: 1- year results
I. Stalmans, V. Vera* (Belgium, *USA)
- P6.6** A multicenter randomized study of a Schlemm's canal microstent in combination with phacoemulsification for IOP reduction in open-angle glaucoma
N. Pfeiffer, J. Garcia-Feijoo*, H. Lemij, J. Larrosa*, S. Gandolfi***, A. Fea***, O. Schwenn, T. Samuelson****** (Germany, *Spain, **The Netherlands, ***Italy, ****USA)
- P6.7** The effect of prostaglandin analogues on choroidal thickness in primary open angle glaucoma
C. Perpétua, L. Almeida, P. Sens, J. Prates Canelas, M. Monteiro Grillo (Portugal)
- P6.8** The benefits of SLT in primary treatment of glaucoma
M. Shlomo (Israel)
- P6.9** The Ex-Press glaucoma shunt versus non penetrating deep sclerectomy in open-angle glaucoma: a prospective randomized study
A. Anton, M. Muñoz, J.L. Urcelay, A. Gil, J. Moreno-Montanes, M. Castany, F. Muñoz-Negrete, A. Morilla, V. Garcia, A. Martinez-Compadre (Spain)
- P6.10** New glaucoma's surgical perspectives - XENgel stent
L. Costa, J. Cardigos, S. Crisóstomo, B. Carvalho, M. Noronha, R. Anjos, M. Reina, T. Gomes (Portugal)
- P6.11** Ultrasound biomicroscopy comparison of 5-fluoracil and mitomycin-C trabeculectomy
C. Martinez-Bello, R. Aleman, J. Martinez, C. Moser (Spain)
- P6.12** Changes in OCT in glaucoma patients after trabeculectomy
K. Blazevska Buzarovska (Macedonia)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P6.13** Surgery or medical treatment in normal tension glaucoma
S.V. Kessing, D. Bach-Holm, P.K. Jensen (Denmark)
- P6.14** Early clinical experience of a novel ab interno gel stent for treatment of open-angle glaucoma
T. Pearsall, S. Ruben, R. Aggarwal, E. Law, C. Morley (United Kingdom)
- P6.15** Five years results of minimal invasive glaucoma surgery: combined phacoemulsification and trabectome in glaucoma patients with and without pseudoexfoliation
R.A. Widder, C. Rennings, P. Kühnrich, E. Winsauer, M. Hild, G. Rößler (Germany)
- P6.16** Canaloplasty glaucoma surgery - clinical outcomes
S. Karlovská, J. Bezděková, I. Liehneová (Czech Republic)
- P6.17** Real world outcomes of yellow laser (577-nm) trabeculoplasty
F. McGregor, I. Zaheer (United Kingdom)
- P6.18** Ex-press implant for primary open angle glaucoma, a five years follow up
G. Barreto-Fong (Peru)
- P6.19** Selective laser trabeculoplasty as initial treatment for POAG a 3 years follow up
G. Barreto-Fong (Peru)
- P6.20** Six-month follow-up of the aqueous humor InnFocus MicroShunt®
J. García-Feijoo, C. Mendez-Hernandez, J.M. Martínez-de-la-Casa, R. Sanchez-Jean, A. Fernandez-Vidal, F. Saenz Frances, L. Morales, S. García-Saenz, E. Santos-Bueso, C. Martin-Valdizan (Spain)
- P6.21** Outcomes of surgical iridectomy for the management of acute angle closure in patients with uveitis
R. Taylor, H. Dang, F. Otarola, K. Barton (United Kingdom)
- P6.22** A pathogenetic method for chronic angle-closure glaucoma treatment (technique and results)
D. Ivanov, E. Ivanova (Russia)
- P6.23** Efficacy of selective laser trabeculoplasty in pseudophakic primary angle closure eyes: two-year results
J. Ho, S. Ko (Hong Kong)
- P6.24** High intensity focused ultrasound as a first line treatment instead of surgery in patients with chronic angle closure glaucoma at high risk of malignant glaucoma
M. Graber, Z. Khoueir, N. Benhatchi, S. Hammoud, Y. Lachkar (France)
- P6.25** Safety and efficacy of phacoemulsification combined with goniosynechialysis in primary angle closure and primary angle closure glaucoma.
J. Ng, V. Yong, A. Thomas, T. Sangtam, J. Cheng (Singapore)
- P6.26** Evaluation of efficacy of lens extraction for intraocular pressure reduction in eyes with primary angle closure glaucoma and primary angle closure
A. Rozegnal-Madej, A. Wilkos-Kuc, A. Wlaz, T. Zarnowski (Poland)
- P6.27** Phacoemulsification of clear crystalline lens at angle-closure glaucoma
T. Botabekova, N. Aldasheva, L. Tashtitova (Kazakhstan)
- P6.28** Evaluation of anterior chamber parameters measured by Scheimpflug tomography in patients with primary narrow angle that were submitted to cataract surgery
I. Casal, S. Monteiro, R. Reis, I. Sampaio, M.J. Meneres, P. Meneres (Portugal)
- P6.29** Quantitative assessment of changes in anterior segment morphology after argon laser peripheral iridoplasty
D. Lim, H.W. Chan, C. Zheng*, W.L. Wong, R. Ritch, C. Aquino, P.T.K. Chew** (Singapore, *China, **USA)
- P6.30** Recurrent acute angle closure attack due to plateau iris syndrome after cataract extraction and argon laser peripheral iridoplasty
B.N.K. Choy, J.C.H. Chan, C.P.Y. Chien, J.S.M. Lai (Hong Kong)
- P6.31** Baerveldt implant in neovascular glaucoma and severe ocular surface disease
J. Cardigos, S. Crisostomo, L. Costa, B. Carvalho, R. Anjos, L. Abegão Pinto, F. Fernandes (Portugal)
- P6.32** Femto laser assisted cataract surgery in primary angle closure glaucoma eyes
R.M. Choudhry (India)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P6.33** Anterior chamber changes in primary angle-closure suspect (PACS) eyes after preventive laser iridotomy measured by oculus pentacam®
M.d.l.N. Lozoya Moreno, J. Blasco Vergara, F.D. Del Valle Cebrián, A. Moreno Valladares, N. Puerto Amorós (Spain)
- P6.34** Management of malignant glaucoma (misdirection) in cataract surgery: on-the-immediate vs. deferred treatment
S. Perucho, A. Fernández, E. Martín, C. Fernández (Spain)
- P6.35** Clinical case: when cataract surgery can avoid an acute angle closure attack
T. Queirós, T. Paínhas, G. Morgado, N. Lopes (Portugal)
- P6.36** Long term surgical results of Ahmed valve implantation in children with congenital glaucoma
H. Ates, P. Kiyat, S. Guven Yilmaz (Turkey)
- P6.37** Congenital glaucoma related to persistent fetal vasculature
R. Cordova, J. Suarez, N. Mendieta, J. Arones, M. Guarro, R. Herrero, B. Barrios (Spain)
- P6.38** Results of Ahmed glaucoma valve implantation in refractory pediatric glaucoma
N. Yildirim, Z. Koktas, H. Gursoy (Turkey)
- P6.39** Drainage in the treatment of juvenile glaucoma
N. Aldasheva, A. Aubakirova, A. Medetbekova (Kazakhstan)
- P6.40** Refractory primary congenital glaucoma: how to make the right decision?
M.A. Moussalli, D. Baksofski (Argentina)
- P6.41** Prevention of postoperative complications after Ahmed valve implantation
Z. Veselovskaya, N. Veselovskaya (Ukraine)
- P6.42** Modification of Ahmed glaucoma valve (AGV) plate to facilitate implantation in cases with scleral buckle (subhans' procedure)
I.A. Subhan, I. Bantan, A. Ali Hamad, M. Al Malki (Saudi Arabia)
- P6.43** Intraocular pressure changes after strabismus surgery in a patient with bilateral hypotropia due to thyroid-associated orbitopathy
P. Haluzova, M. Karhanova, J. Kalitova (Czech Republic)
- P6.44** The combined surgical treatment of patients with neovascular glaucoma
I. Maksymova, V. Serdiuk, S. Ustymenko, L. Berezniuk (Ukraine)
- P6.45** Angle-recession glaucoma: clinical outcomes and treatment
A. Ozcan, E. Ciloglu, H. Sabur, M. Baykara (Turkey)
- P6.46** Managing herpetic glaucoma - A challenging case
E. Ciloglu, A. Ozcan, B. Bostanci (Turkey)
- P6.47** Secondary glaucoma due to sympathetic ophthalmia after perforation injury
J. Betkova, M. Fichtl, L. Kondrova, M. Brichova, E. Ruzickova (Czech Republic)
- P6.48** Changes in biometric parameters after Yag iridotomy through AS-OCT in the pigment dispersion syndrome
H. González Valdivia, J. Aritz Urcola Carrera, E. Miranda (Spain)
- P6.49** Ahmed valve implantation for the treatment of high intraocular pressure after penetrating keratoplasty
A. Soares, G. Morgado, L. Torrão, T. Paínhas, M.A. Costa, N. Lopes, F. Vaz (Portugal)
- P6.50** Is selective laser trabeculoplasty effective in pseudoexfoliative glaucoma patients?
M. Kontic, M. Vukosavljevic, D. Ristic, R. Zecevic (Serbia)
- P6.51** Short-term effect of selective laser trabeculoplasty on intraocular pressure elevation after intravitreal dexamethasone implantation
D. Lee, Y. Kim, J. Han, E. Kweon (South Korea)
- P6.52** Bilateral neovascular glaucoma - Treatment challenges
D. Dascalescu, M. Constantin, R. Iancu, C. Ionescu, M. Cristea, C. Corbu (Romania)
- P6.53** Features surgical treatment of patients with terminal glaucoma in the penitentiary medicine
I. Brzheskaja, I. Barinova, B. Ostapchenko, V. Brzheskiy (Russia)
- P6.54** Long-term outcomes of Ahmed glaucoma valve implantation for glaucoma secondary to fuchs uveitis syndrome
B. Voykov, D. Doycheva, C. Deuter, A. William (Germany)



12th EGS Congress

Prague, Czech Republic

19-22 June 2016



- P6.55** Secondary glaucoma in a 6-year-old girl with posttransplant lymphoproliferative disorder of the iris
M. Kodetová, P. Pochop, M. Suková, D. Dotrelová (Czech Republic)
- P6.56** Ectropion uveae as the cause of secondary glaucoma in ICE syndrome
V. Markovic, M. Bozic, I. Marjanovic, V. Maric (Serbia)
- P6.57** The efficacy of cyclophotocoagulation in a pregnant woman with glaucoma secondary to congenital ectropion uveae
K. Skonieczna, I. Grabska-Liberek, B. Terelak-Borys, A. Krystek-Sarnowska, M. Binkowska (Poland)
- P6.58** Ultrasound evaluation of Ahmed glaucoma valve: IOP versus tube patency
La. Zeppa, V. Bono, S. Cillino, C. Costagliola, Lo. Zeppa (Italy)
- P6.59** Phaco-non-penetrating deep sclerectomy (Phaco-NPDS) versus phaco Ex-press shunt for pseudoexfoliative glaucoma; one-year outcomes
B. Puerto-Hernandez, C. Sánchez-Sánchez, I. Contreras, V. Blázquez-Sánchez, C. López-Caballero (Spain)
- P6.60** Bilateral secondary glaucoma associated with lens subluxation
J. Aronés-Santivañez, J. Suárez, N. Mendieta, J. Moreno, L. Sararols, K. Bañon, M. Guarro, R. Córdova, F.J. Goñi (Spain)
- P6.61** Ahmed valve implantation for secondary glaucoma after pars plana vitrectomy and silicone oil tamponade for rhegmatogenous retinal detachment
V. Yarmak, T. Imshenetskaya, G. Vashkevich (Belarus)
- P6.62** Long-term results of Ahmed glaucoma valve implantation for uveitic glaucoma secondary to Behcet disease
M. Yakin, G. Sungur, U. Eksioğlu, O. Balta, S. Uzman, H.H. Telek, C. Oktem, G. Ozkan Uney, F. Ornek (Turkey)
- P6.63** Refractory uveitic glaucoma treated by Ex-Press® implantation and bevacizumab postoperative subconjunctival injections
K. Maresova, P. Mlčák, M. Karhanova (Czech Republic)
- P6.64** Ahmed valve implantation in glaucoma patients with familial amyloidosis polyneuropathy
M.J. Meneres, I. Casal, A. Figueiredo, R. Reis, I. Sampaio, P. Meneres (Portugal)
- P6.65** Canaloplasty in uveitic open-angle glaucomas
F. Lehmann, I. Oberacher-Velten, P. Peters, R. Greslechner, H. Helbig (Germany)
- P6.66** Comparison of efficacy and complications of diode laser transscleral cyclophotocoagulation (TSCP) and trabeculectomy in management of post-keratoplasty glaucoma
M. Rebkowska-Juraszek, J. Jankowska-Szmul, A. Smedowski, A. Nowinska, E. Wylegala (Poland)
- P6.67** Baerveldt and Ahmed glaucoma valve implantation in glaucomas secondary to emulsified silicone oil: comparative results
I. Pasaoglu, B. Satana, B. Basarir, C. Altan, G. Karabulut, F. Ozcelik, B. Ocak, M. Taskapili (Turkey)
- P6.68** Causal or co incidental? A case report of granulomatous uveitis with topical bimatoprost (0.03%)
E. Sanjana, S. Mohan, M. Rajan (India)
- P6.69** Combined ab interno trabeculotomy and lens extraction: a novel management option for combined uveitic and chronic narrow angle raised intraocular pressure
A. Swampillai, S. Lin, B. Gupta, J. Rossiter (United Kingdom)
- P6.70** Outcomes of different glaucoma surgical treatments in silicone-induced glaucoma: a case series
A. Suryono (Indonesia)