

28th International Conference on

Insights in Ophthalmology

**April 18 - 19, 2019
Rome, Italy**



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SCIENTIFIC PROGRAM

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Thursday, 18th April

DAY 1

Thursday, 18th April

08:30-09:00 **Registrations**

09:00-09:30 **Introduction**

09:30-09:50 COFFEE BREAK

09:50-11:50
Meeting Hall 01 **KEYNOTE LECTURES**

11:50-13:10 **Talks On:
Ophthalmology Surgery**

Cataract Surgery
Refractive Surgery
Corneal Transplantation
Oculoplastics and Orbit Surgery

**Talks On:
Corneal Disorder and Treatments**

Investigation of Corneal Disease
Focus on Dry Eye and Blepharitis
Modern Techniques for Corneal Surgery
Corneal topography

13:10-13:15 GROUP PHOTO

13:15-14:00 LUNCH BREAK

14:00-16:00 **Talks On: Neuro Ophthalmology**

Toxic and Nutritional Optic Neuropathy
Neonatal Ocular Examination
The Big Mimickers in Neuro-ophthalmology
Pediatric Neuro-ophthalmology
Diagnostic tools in Neuro-Ophthalmology
Anterior Ischemic Optic Neuropathy

Talks On: Pediatric Ophthalmology

Pediatric refractive Surgery
Pediatric Glaucoma and Treatments
Impact of positron emanation tomography
in visual adnexae lymphoma
Retinopathy of Prematurity
Nystagmus Diagnosis and Treatment
Eye screenin

16:00-16:20 COFFEE BREAK

MEETING HALL 01 (16:20-17:00)

Young Researchers in Ophthalmology

MEETING HALL 01 (17:00-18:00)

Workshop

SCIENTIFIC PROGRAM

Friday, 19th April

DAY 2

Friday, 19th April

09:00-10:30
Meeting Hall 01

KEYNOTE LECTURES

10:30-10:50 COFFEE BREAK

10:50-12:50

MEETING HALL 01

Talks On:
Retina and Retinal Diseases

- Intraretinal Microvascular abnormality
- Central Retinal Artery Occlusion
- Central Retinal Vein Occlusion
- Proliferative Vitreoretinopathy
- vitelliform macular dystrophy
- Hemoglobinopathy Retinopathy
- Myopic macular degeneration

MEETING HALL 02

Talks On:
Glaucoma: A Vision Loss

- New Ways to Treat Glaucoma
- Glaucoma Drugs Research
- Medical therapies of glaucoma
- Retinal Disorders During Glaucoma
- Primary & Secondary Glaucoma
- Diagnosis & Their Treatment

12:50-13:35 LUNCH BREAK

13:35-15:55

MEETING HALL 01

Talks On:
Ocular Diagnosis and Ophthalmic Imaging

- Fundus Autofluorescence Imaging(FAF)
- Fluorescein and Indocyanine Green Angiography
- Ocular Imaging Devices
- Advance in Anterior Segment Imaging
- Optical Coherence Tomography
- Vitreo-Retinal Interface Abnormalities
- Stem cell & regeneration

MEETING HALL 02

Talks On:
Ophthalmology Research and Novel Approaches

- Updates in Management of Thyroid Eye Disease
- Therapies in Fighting Blindness
- Transplantation Technologies for Retina
- Retinoblastoma Chemotherapy
- Ocular Drug Delivery
- Therapies in Fighting Blindness
- Coverage advanced diagnostics

15:55-16:15 COFFEE BREAK

MEETING HALL 01 (16:15-17:00)

Poster Presentations

MEETING HALL 01 (17:00-18:00)

Workshop

Organizing Committee Members



Dr. Jack V. Greiner

Director- Specialist in Cornea and
External Diseases Physician & Surgeon
Boston Ocular Surface Center
USA



Tatiana Shilova

Head & Founder of the Russian branch of an
international chain "SMILE EYES"
Smile Eyes Augenklinik Moskau
Russia



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Professor of the Chair of Ophthalmology
The University of Rosario and The
Universidad Abierta Interamericana
NEW MEXICO



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Senior Lecturer - Cell Biologist
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UNITED KINGDOM



Mohamed A. Eldesouky

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Egypt



Johann Fernandez

Medical Director
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conference series LLC Ltd

**28TH INTERNATIONAL
CONFERENCE ON INSIGHTS
IN OPHTHALMOLOGY**



APRIL 18-19, 2019 | ROME, ITALY

AGENDA

Title: Light induced retinal degeneration: time course and neuro-protection**Abstract:**

Visual loss in retinal neuro degenerations has at least three related and recognized causes: the death of photoreceptors that is not reversible, underperformance of surviving photoreceptors with their subsequent loss and finally dysfunction and probably rewiring of the inner retinal circuitry. Emerging technologies allow nowadays substituting photoreceptors by using prosthetic devices such as ARGUS-II or photovoltaic polymer. In this study we aim to understand the timing and the degree of changes that occur in the inner retinal circuitry to predict the impact of these changes on vision and to use this important know-how to setup a screening protocol for new therapeutic molecules and to facilitate prosthetic integration. Our work demonstrates that photoreceptor malfunctioning is already able to alter inner retinal circuitry and give rise to negative feedback due to increasing neuro inflammation.

Silvia Bisti
Italy

Title: The outcomes of laser vision correction ReLEX SMILE under general anesthesia**Abstract:**

The study included 24 eyes from 12 patients between the age groups of 28 and 35 years, undergoing bilateral surgery with ReLEX SMILE – for correction of myopia within the range of -1,65 to -8,15 D (-4.5 ±3.5 D), with astigmatism of 0 to -2.25 D (-1.15 D). Central corneal thickness (um) from 515 to 580, keratotopography in all cases were regular. Operations were performed under general intravenous anesthesia by fractional injection of «Propofol» at doses of 200 to 400 ml with monitoring of blood pressure, heart rate, saturation, and a moistened oxygen supply (3-4 liters per minute). The ReLEX SMILE was performed in the "Expert mode", the energy level from 26 to 28 MJ (*15), the mechanical centration of the pre-determined position of the optical axis on the aberrometer, taking into account the Kappa-angel.

Tatiana Shilova
Russia

Title: Isolated mono ocular adduction deficit; a novel syndrome**Abstract:**

In this study we describe mono ocular isolated medial rectus paresis or paralysis not associated with oculomotor nerve dysfunction or with other gaze deficiency. In this study I present a group of cases with monocular adduction deficit with diverse etiologies. Central causes; chronic progressive ophthalmoplegia and internuclear ophthalmoplegia, Duane's retraction syndrome, traumatic and iatrogenic causes as medial rectus muscle contusions and lacerations, medial rectus inflammation and neoplasia as well as restrictive lesions affecting the antagonistic lateral rectus muscle. The clinical and radiological features and the differential diagnosis are thoroughly described . To my knowledge this is the first description of monocular adduction deficit as a novel syndrome.

Mohamed A. Eldesouky
Egypt

SPEAKER SLOTS AVAILABLE

Title: *Recognition signal lights emitted by incandescent lamps and LED sources when observed through systems consisting of optical protection filters and intraocular lenses (IOLs)*

Grzegorz Owczarek
Poland

Abstract:

Statement of the Problem: In the field of signals received through visual channels, signal lights are an important element used in for example road, air or water traffic control systems, as well as in a wide range of warning and alarm systems. The color, intensity, and light characteristics (continuous or pulse mode) depend on the type and application of signals lights. Color recognition – including signal lights – can also be disturbed by visual impairment and by looking through optical protective filters and intraocular lenses (IOLs) or by ambient lighting.

Title: *Effect of natural molecules on cell line with a retinal phenotype*

Isabelle Ranchon-Cole
France

Abstract:

Statement of the Problem: Nutritional supplementation has the potential to modulate the onset and/or progression of ocular diseases. The goal of the present study was to assess protective effects of curcumin, lutein and resveratrol on human derived retinal pigment epithelial cells (ARPE-19). Methodology & Theoretical Orientation: Two days seeded ARPE-19 cells were treated for 24 hours with curcumin, lutein and/or resveratrol before insult: a) oxidative stress insult was triggered by adding 600 μ M of Hydrogen Peroxide for 2 hours, b) apoptotic insult was induced with 1 μ M Staurosporin for 18 hours or c) cells were exposed to blue light emitting diode (LED) for 4 hours.

Title: *Bupivacaine, an evolving pharmacological treatment for strabismus*

Fyqah Al Mahmoudi
Saudi Arabia

Abstract:

Bupivacaine is a Local anesthetics block the conduction of nerve impulses, presumably by increasing the threshold for electrical excitation in the nerve, by slowing the propagation of the nerve impulse, and by reducing the rate of rise of the action potential.Unintentional injection of bupivacaine into the extraocular muscle during cataract surgery produce strabismus presumably by inducing muscular hypertrophy

SPEAKER SLOTS AVAILABLE

Title: How can I perform a successful cataract surgery?

Matias Haffar
Argentina

Abstract:

The objective of this presentation is to delve into some criteria that seem to me to be fundamental when performing a successful cataract surgery. Here I do not mean just to be able to perform a correct cataract surgery, but to achieve the best cataract surgery for a certain patient.

For a few years, cataract surgery has been one of the most frequently performed surgeries worldwide. This has become a challenge for physicians, as it not only involves removing an opaque lens, but it entails an increasingly greater effort focused on obtaining an optimal visual result.

Title: Oxidative stress in the pathogenesis of acquired myopia in children

Nadezhda Khamnagdaeva
Russia

Abstract:

Statement of the Problem: The involvement of oxidative stress in the development of myopia has been confirmed in several studies on myopia and other eye diseases associated with myopia. Experimentally the role of oxidative stress in the degeneration of photoreceptors and other retinal cells was revealed. Clinical studies have shown an increase in malonic dialdehyde (MDA) and a decrease in total antioxidant activity in patients with myopia.

Title: Bioluminescent test system for testing hygiene products

Koshits Ivan Nikolaevich
Russia

Abstract:

Contact vision correction is an effective method of correction of refractive error, therefore more than 130 million people in the world use contact lenses. However, there is a complication problem in contact correction (toxic-allergic, infectious), which is caused by insufficient daily cleaning of surface deposits on lenses and their disinfection with the help of disinfectants used for lens washing. Currently, there are no generally accepted methods for determining the quality of the disinfecting properties of solutions.

SPEAKER SLOTS AVAILABLE

Title: Differential diagnosis of abnormalities in retinal pigment epithelium

Kaspars Kudins
Latvia

Abstract:

Statement of the Problem: Retinal pigment epithelium (RPE) is a layer that is located in between Bruch's membrane and photoreceptor layer, the RPE plays essential role for visual function. There are different pathologies that can influence RPE. Acute retinal pigment epithelitis, acute solar retinopathy and polypoidal choroidal vasculopathy all can affect RPE. The purpose of this research is to report different possible diagnosis with abnormalities in RPE.

Title: Causes and treatment strategy for patients with contact-lens-related microbial keratitis and corneal ulcers

Obrubov Anatoly
Sergeevich
Russia

Abstract:

Statement of the Problem: According to the literature analyzed, from 9 to 40% of all cases of bacterial keratitis are associated with using contact lenses (CL). Infectious complications of contact correction are among the most severe complications that can lead to the loss of visual functions of the eye and even the eye itself.

The purpose of the study: To develop the optimum treatment of these patients, to identify areas for improving the methods of prevention, diagnosis and treatment.

Title: Causes and treatment strategy for patients with contact-lens-related microbial keratitis and corneal ulcers

Belskaia Kseniia Igorevna
Russia

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SPEAKER SLOTS AVAILABLE

Title: *Meibomian Gland Function in Health and Disease*

Jack V. Greiner
USA

Biography:

Dr. Greiner, holder of three doctoral degrees, is an ophthalmologist, physician and surgeon, optometrist, teacher and medical research scientist, who has authored over 150 publications in the scientific and medical literature, and holds six U.S. patents and corresponding foreign patents in the areas of treatment of dry eyes and the integument (skin). With extensive training as both a basic and clinical scientist, many of these publications integrate both basic sciences and clinical medicine. In his 30 years of biomedical research, Dr. Greiner has presented more than 175 scientific papers at over 110 domestic and foreign meetings. Dr. Greiner is devoted to both scientific and clinical medical research as well as to clinical medicine in the fields of ophthalmology and surgery.

Abstract: Need to Receive

Title: *Cell transplant in the eye*

Carl M Sheridan
United Kingdom

Biography:

Carl Sheridan is an internationally renowned cell biologist with research experience in ocular cell biology since 1991. His areas of focus have centered on ocular wound healing and cell transplantation research with published papers concerning the ocular surface, cornea, outflow pathway as well as retinal pathologies such as proliferative vitreoretinopathy (PVR) and AMD. He has published and reviewed for almost all Ophthalmology scientific journals as well as chaired at international Ophthalmology conferences. He has a keen interest in both tissue engineering and regenerative medicine approaches to prevent and restore sight loss and is passionate that cross discipline research is key to achieving this goal.

Abstract: Need to Receive

Title: *Distribution of the anterior, posterior, and total corneal astigmatism in healthy eyes*

Vahid Ownagh
Iran

Abstract:

Purpose: To evaluate the magnitude and axis orientation of the anterior, posterior, and total corneal astigmatism in normal healthy eyes of an Iranian population.

Methods: In a prospective cross-sectional study, ophthalmic and anterior segment parameters of 153 healthy eyes of 153 subjects were evaluated by Galilei dual Scheimpflug analyzer. The magnitude and axis orientation [with-the-rule (WTR), against-the-rule (ATR), and oblique] of the anterior, posterior, and total corneal astigmatism measurements (ACA, PCA, and TCA) were compared according to the age, sex, and other ophthalmic parameters.

SPEAKER SLOTS AVAILABLE

Title: Evaluation of adjustable muscle surgery under General Anaesthesia with Rapid Recovery Profile in Children

Hatem Ahmed Saeed
Egypt

Abstract:

Purpose: To evaluate adjustable muscle surgery in children under a special anaesthetic protocol with rapid recovery profile allowing for almost immediate recovery of muscle tone permitting intraoperative judgment on alignment and its adjustment as needed.

Methods: 30 cases of non accommodative ET were enrolled in the study. Patients were subdivided into 2 Groups .A study group including 15 cases that underwent adjustable MR recession with a special anaesthetic protocol with rapid recovery profile . The control group included 15 cases that underwent non adjustable hangback MR recession with a standard anaesthetic protocol.

**Title: Improvement of symptoms of unknown origin caused by aponeurotic blepharoptosis
Improvement of symptoms of unknown origin**

Shintaro Asai
Japan

Abstract:

Recently, aponeurotic blepharoptosis has been shown to cause symptoms of unknown origin, such as headache, shoulder stiffness, and sleeplessness. A total of 366 patients who had aponeurotic blepharoptosis underwent reconstructive surgery. Among them, 224 answered a questionnaire preoperatively and at the first week and third months postoperatively, investigating the symptoms and their improvement.

Results: Headache and heavy eyelids improved in nearly 100% of the patients, and shoulder stiffness and wrinkles in the forehead improved in >75% of patients. However, constipation and sleeplessness did not significantly improve.

Title: Light, Water and Aquaporins: physiological and hygienic aspects

**Kaptsov Valery
Alexandrovich**
Russia

Biography:

Valery A. Kaptsov. In 1987 defended the doctoral dissertation, and in 1988 was appointed deputy director of the Russian Academy of medical sciences (RAMS) institute of occupational health. From 1993 to 2005 worked as the director of the All-Russian Research Institute of Railway Hygiene. In 2004 was elected associated member of RAMS, in 2014 - associated member of Russian Academy of sciences. From 2005 to 2013 - Deputy Director of the Institute. From 2013 - Head of the Department of Occupational Health the same Institute. He has published more than 500 papers in journals and has been serving as an editorial board member.

Abstract: Need to Receive

SPEAKER SLOTS AVAILABLE

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Ophthalmology Glimpses

