



KKESH&RC 41<sup>st</sup> Annual Meeting

مؤتمر مستشفى الملك خالد  
التخصصي للعيون الدولي ٢٠٢٤

# KKESH 2024

## International Conference

Ophthalmology Innovations  
Emerging Technologies  
Controversies

A Unique Meeting in Ophthalmology

# PROGRAM BOOK





## WELCOME MESSAGE

Welcome to the 41<sup>st</sup> Annual Meeting of the King Khaled Eye Specialist Hospital and Research Center (KKESH&RC), KKESH 2024 International Conference. A long-standing tradition that founded the first International Ophthalmology Meeting in Saudi Arabia in 1982.

A Royal Decree issued on the 8<sup>th</sup> of November 2024 established the founding law and the transformation of KKESH into a non-profit organisation under the umbrella of the Royal Commission for Riyadh City (RCRC). Our mission has thus expanded into a more global role as we welcome international visitors who are seeking high level eye care in a center with a long history of excellence and up to date use of technology and modern medicine.

This meeting will be followed, In Sha'Allah, by a larger meeting in 2025 that will help us redefine our integration in global eye health and showcase our exceptional staff and services.

We intentionally scaled KKESH 2024 down to have more focused sessions and promote discussions and debates among participants. In this meeting there will be special emphasis on ophthalmology innovations, emerging technologies, and controversies, with dedicated sessions on Artificial Intelligence, leadership and patient-centred care, along with the other ophthalmic specialities.

We are grateful to the international and local speakers for taking the time to share their experiences. A big "Thank You" goes out to the members of the scientific committee as well as the other committees involved in ensuring the success of this meeting.

*Enjoy KKESH 2024 and Riyadh  
"Ahlan wa Sahlan"*

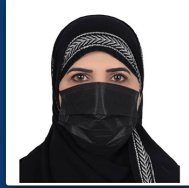


**ABDULAZIZ ALRAJHI**

Chief Executive Officer  
King Khaled Eye Specialist Hospital & Research Center



## Scientific Committee



**Huda AlGhadeer, MD, FRCS**

**CHAIR**

Senior Consultant

Continuous Medical Education

King Khaled Eye Specialist Hospital & Research Center

### MEMBERS



**Muhammad Ahad, MD, FRCS,  
MRCOphth, PhD**

Chair and Senior Academic Consultant  
Anterior Segment Division  
King Khaled Eye Specialist Hospital &  
Research Center



**Abdulrahman H. Badawi, MD**

Consultant

Vitreoretinal Division

King Khaled Eye Specialist Hospital &  
Research Center



**Hassan AIDhibi, MD**

Chair, Uveitis Services

Director, Outreach and Eligibility Department  
Senior Academic Consultant, Vitreoretinal  
King Khaled Eye Specialist Hospital &  
Research Center



**Ramzi AlJudaibi, MD**

Chair and Consultant

Vitreoretinal Division

King Khaled Eye Specialist Hospital &  
Research Center



**Abdullah Khan, MD**

Consultant

Pediatric Ophthalmology Division

King Khaled Eye Specialist Hospital &  
Research Center



**Azza Maktabi, MD**

Consultant

Pathology and Laboratory Medicine

King Khaled Eye Specialist Hospital &  
Research Center



## Scientific Committee

### MEMBERS



**Konrad Schargel, MD, PHD, FEBO**  
Chair and Consultant  
Glaucoma Division  
King Khaled Eye Specialist Hospital &  
Research Center



**Valmore Semidey, MD**  
Chair, Ocular Genetics Services  
Senior Consultant, Vitreoretinal Division  
King Khaled Eye Specialist Hospital &  
Research Center



**Hanan AlShalan, MD**  
Consultant  
Vitreoretinal Division  
King Khaled Eye Specialist Hospital &  
Research Center



**Adi AlOwaifeer, MD**  
Consultant  
Creativity and Innovation Office  
King Khaled Eye Specialist Hospital &  
Research Center



**Ritzchie Ortiz Burog**  
Scientific Program Coordinator  
Continuous Medical Education Department  
King Khaled Eye Specialist Hospital &  
Research Center

## International Speakers



**Prof. Natalie A. Afshari, MD, FACS**  
Professor of Ophthalmology, Shiley Eye  
Institute, University of California  
San Diego, USA



**Dr. Larry Benjamin, FRCS(Ed),  
FRCOphth DO**  
Consultant Ophthalmologist, Stoke  
Mandeville Hospital, Aylesbury,  
Buckinghamshire, England, UK



**Prof. Enrico Borrelli, MD, PhD, FEBO**  
Senior Consultant and Associate  
Professor, City of Health and Science  
Hospital, University of Turin, Italy



**Mr. Bastian Bratenstein**  
Product Manager M.Sc Vision Science  
& Business (Optometry), SCHWIND Eye-  
Tech-Solutions GmbH, Germany



**Prof. José María Martínez  
de la Casa, MD**  
Head, Glaucoma Department, Professor of  
Ophthalmology, Universidad Complutense  
de Madrid, Spain



**Dr. Carl C. Claes, MD**  
Medical Director and Head, Vitreoretinal  
Surgery, University Hospital Antwerp,  
Belgium



**Prof. Adam Dubis, MD, PhD**  
Professor and Consultant Scientist  
UCL Institute of Healthcare Engineering  
Moorfields Eye Hospital, London, UK



**Prof. Arif O. Khan, MD**  
Professor and Consultant, Pediatric,  
Ophthalmology & Strabismus  
Ocular Genetics, Cleveland Clinic,  
Abu Dhabi, UAE



**Dr. Karsten Klabe, MD**  
Ophthalmologist, Head Surgeon  
Breyer, Kaymak & Klabe Augen Chirurgie  
Dusseldorf, Germany



**Prof. Victor Koh, MD, MBBS (S'pore), MMed  
(Ophth), MRCSed**  
Head and Senior Consultant, National University  
Hospital, Associate Professor, NUS Yong Loo Lin  
School of Medicine, Singapore.



**Prof. Aaron Y. Lee, MD, MSCI**  
Professor of Ophthalmology, University  
of Washington, School of Medicine  
Washington, USA



**Prof. Andrea Leonardi, MD**  
Associate Professor of Ophthalmology  
Department of Neuroscience,  
University of Padua, Italy



## International Speakers



**Prof. Kin Sheng Lim, MBChB, MD, FRCOphth**  
Professor, Glaucoma Studies, King's College London, Consultant, Ophthalmic Surgeon, St. Thomas' Hospital, London, UK



**Prof. Carlos Mateo**  
Associate Professor, Institute Microsurgery of Ocular, University of Barcelona, Spain



**Prof. Jodhbir Mehta, MBBS, FRCOphth, FRCS(Ed), FAMS, PhD (UK)**  
Deputy Chief Executive Officer (Research), Senior Consultant Cornea and Refractive Service Singapore National Eye Centre, Singapore



**Prof. Karl Mercieca, MD, MRCOphth, FRCOphth, PGCTLCP, FEBOS-GL**  
Associate Professor, Senior Consultant Ophthalmologist, Glaucoma Clinical Lead University Hospital Eye Clinic, Bonn, Germany



**Prof. Francis Munier, MD**  
Professor and Head, Ocular Oncology Pathology and Genetics, Jules-Gonin Eye Hospital, Lausanne, Switzerland



**Dr. Felipe Dhawahir-Scala, MD**  
President, The British Emergency Eye Care Society, Consultant Ophthalmologist and Vitreoretinal Surgeon, Manchester Royal Eye Hospital, Manchester, UK



**Prof. Daniel Ting, MD (1<sup>st</sup> Hons), PhD**  
Director, Artificial Intelligence Office Singapore Health Service, Chief and Senior Consultant, Singapore National Eye Center Singapore



**Prof. Adnan Tufail, MBBS, MD, FRCOphth**  
Professor of Ophthalmology Consultant Ophthalmic Surgeon Moorfields Eye Hospital London, UK

**KKESH&RC 2024 INTERNATIONAL CONFERENCE**  
**PROGRAM AT GLANCE**  
 DAY ONE | Thursday 12<sup>th</sup> December



TIME	Auditorium A	Auditorium B	Room 1	Room 2
08:00 - 09:00	Registration			
09:00 - 10:30		Artificial Intelligence I	IOL Calculations: From Basic to Complex (09:00 – 10:00)	The Challenge: Anterior Segment Retinoblastoma (09:00 – 10:00)
10:30 - 10:45	Coffee Break			
10:45 - 12:00	Opening Ceremony (Auditorium A) KKESH&RC Memorial Lecture			
12:00 - 13:00	Satellite Symposia by Saudi Care (ANTERION) 12:00 - 12:30	Prayer & Lunch Break		
13:00 - 14:00	"Look at Me," a Patient's Perspective	What is New in Glaucoma?	Yamane ISHF 101: Pearls to Get You Started	Challenges, Innovations, and Emerging Digital Therapeutics in Ophthalmic Nursing
14:10 - 15:10	Surgical Innovation in Retinal Diseases Management	Emerging Therapies and Strategies in Cataract and Corneal Disease	Controversies in Pediatric Ophthalmology and Strabismus	
15:10 - 15:40	Prayer & Coffee Break			
15:40 - 16:40	"I Wish I Knew Then"	Retinoblastoma Course: The Future and Challenges	Advanced Cataract Simulation Training	The Role of AI in Optometry and Technical Procedures
16:50 - 17:50	Young Ophthalmologist I	Glaucoma Filtration Surgery: Still a Valuable Option?	Anterior Lamellar Keratoplasty	Comprehensive Management of Eyelid and Orbital Trauma in Emergency Settings

**KKESH&RC 2024 INTERNATIONAL CONFERENCE**  
**PROGRAM AT GLANCE**  
 DAY TWO | Friday 13<sup>th</sup> December



TIME	Auditorium A	Auditorium B	Room 1	Room 2
09:30 - 10:30	Artificial Intelligence II	New Advances in Cataract and Refractive Surgeries	Improving my Glaucoma Performance (09:30 – 11:00)	KKESH&RC Experience: Volunteering in Eye Care
10:40 - 11:40	Enhancing the Lives of Patients and Families Affected by Eye Disorders	Visionary Insights: Innovations in Retinal Disease Research		Intraocular Insights: The Critical Role of Nurses in Ophthalmic Injection Therapies
11:40 - 13:00	Satellite Symposia by Abbvie (When to Switch?) 12:30 - 13:00	Prayer & Lunch Break		
13:00 - 14:00	"Whose Fault Is It?"	Navigating Complex Surgical Retinal Diseases: Advanced Surgical Approaches	PreserFlo: Listen to the Experts	Practical Pearls to Master DMEK Surgery
14:10 - 15:10	Hear it from the Experts: Ocular Genetics: From the Basics to Multimodal Imaging	Controversy in Glaucoma Minimal Invasive Surgery	Prevention and Management of Vitreous Loss in Cataract Surgery	Overview of the Optical Coherence Tomography
15:10 - 15:40	Satellite Symposia by Bausch and Lomb (Rethinking Dry Eye Disease)	Satellite Symposia by Roche (What You See is What You Get)	Prayer & Coffee Break	
15:40 - 16:40	Innovative Therapies for Ocular Surface Diseases	Multifaceted Approaches to the Management of Complex Retinal Pathologies	Tips and Tricks in Pediatric Ophthalmology and Strabismus	Augmented Reality for Low Vision
16:40 - 17:10	Announcement of Best Scientific Video, E-Poster, Photo (Auditorium A)			

**KKESH&RC 2024 INTERNATIONAL CONFERENCE**  
**PROGRAM AT GLANCE**  
 DAY THREE | Saturday 14<sup>th</sup> December



TIME	Auditorium A	Auditorium B	Room 1	Room 2
09:20 - 10:20	Glaucoma Tubes: Are They The Ultimate Glaucoma Surgery?	KKESH&RC Pediatric Ophthalmology Division Experience	Debating Keratoplasty in Corneal Ectasia	External versus Endoscopic DCR
10:30 - 11:30	New Frontiers in the Treatment of Corneal Endothelial Diseases	Young Ophthalmologist II	Advances in Glaucoma Implant	The Challenges and Innovations in Antimicrobial Stewardship
11:30 - 12:00	Satellite Symposia by Santen (Dry Eye vs Allergy)	Prayer & Coffee Break		
12:00 - 13:00	Glaucoma: What Will You Do in an Extreme Case?	Age-Related Macular Degeneration: Cutting-Edge Imaging and Therapy	Postoperative Corneal Visualization in Laser Refractive Surgery	Myopia Control What We Know
13:10 - 14:10	Hear it from the Experts: Ocular Genetics: Classic Teachings and Day-to-Day Findings	Challenges in Cataract Surgery	New Insight into Coats Disease	Low Vision Patient Perspective Panel
14:10 - 14:30	Closing Remarks (Auditorium A)			
14:30 - 15:30	Lunch Break			

Artificial Intelligence	Anterior Segment	Oncology	Satellite Symposia	Leadership	Glaucoma	Nursing
Vitreoretinal	Pediatric Ophthalmology	Technical	Young Ophthalmologist	Oculoplastics	Volunteering	Social Services
Ocular Genetics	Optometry	Pharmacy	Low Vision			



## DAY ONE

Thursday - 12<sup>th</sup> December, 2024

08:00 – 09:00

Registration

### Session 1

09:00 – 10:30 Auditorium B  
**Artificial Intelligence I**

Chair: Abdulaziz AlRajhi  
Moderator: Adi AlOwaifeer

09:00 – 09:10

**Artificial Intelligence in Ophthalmology: Global Trend**  
*Daniel Ting*

09:10 – 09:20

**Artificial Intelligence for Diabetic Retinopathy Screening: Recent Development**  
*Daniel Ting*

09:20 – 09:30

**EYENAI: The Saudi Experience in Revolutionizing Diabetic Retinopathy Screening**  
*Adi AlOwaifeer*

09:30 – 09:45

**Artificial Intelligence in Ophthalmology: 5 Rights**  
*Daniel Ting*

09:45 – 09:55

**Panel Discussion with Audience:  
Redefining Ophthalmology: How AI is Transforming the Way We See and Serve Patients**  
*Abdulaziz AlRajhi, Adi AlOwaifeer, Daniel Ting, Aaron Lee*

09:55 – 10:05

**Generative Artificial Intelligence in Ophthalmology**  
*Daniel Ting*

10:05 – 10:15

**Privacy Matters: Ethical Approaches to Data Sharing in AI**  
*Aaron Lee*

10:15 – 10:30

**Panel Discussion with Audience:  
From Pixel to Patients: Barriers to AI Integration in Routine Eye Care**  
*Abdulaziz AlRajhi, Adi AlOwaifeer, Daniel Ting, Aaron Lee*



## DAY ONE

Thursday - 12<sup>th</sup> December, 2024

<b>Course 1</b>	09:00 – 10:00 Room 1 <b>IOL Calculations: From Basic to Complex</b>
09:00 – 09:50	<i>Ahmad AlRubaian</i>
09:50 – 10:00	<b>Discussion</b>
<b>Course 2</b>	09:00 – 10:00 Room 2 <b>The Challenge: Anterior Segment Retinoblastoma</b>
09:00 – 09:50	<i>Francis Munier</i>
09:50 – 10:00	<b>Discussion</b>
10:30 – 10:45	Coffee Break
10:45 – 12:00	<b>Opening Ceremony (Auditorium A)</b> <b>King Khaled Eye Specialist Hospital &amp; Research Center Memorial Lecture</b>
Moderator	<b>Abdulaziz AlRajhi</b>  <b>Pediatric Selective Tissue Transplantation</b> <i>Jodhbir Mehta</i>
<b>Satellite Symposia</b>	12:00 – 12:30 Auditorium A <b>ANTERION: All-In-One Solution for Cornea, Refractive and Cataract Surgery</b>
Saudi Services and Health Care	
12:00 – 12:30	<i>Alaa EIDanasoury</i>
12:00 – 13:00	Prayer and Lunch Break



## DAY ONE

Thursday - 12<sup>th</sup> December, 2024

### Session 2

13:00 – 14:00 Auditorium A  
“Look at Me,” A Patient’s Perspective

Moderator: Abdulaziz AlRajhi

13:00 – 13:45

**Panelists**  
*Selected Ophthalmology Patients, Challenging Doctors Attitude*

13:45 – 14:00

**Discussion**

### Session 3

13:00 – 14:00 Auditorium B  
**What is New in Glaucoma?**

Chair: Konrad Schargel  
Moderator: Dania Bamefleh

13:00 – 13:10

**Aqueous Dynamics and Secondary Glaucoma**  
*Kin Sheng Lim*

13:10 – 13:20

**Ocular Drug Delivery Devices. What’s New? The Good and Bad**  
*Karl Mercieca*

13:20 – 13:30

**New Lasers in Glaucoma: Direct-Selective Laser Trabeculoplasty (Pros and Cons)**  
*Jose Maria Martinez de la Casa*

13:30 – 13:40

**Supraciliary Implants. A New Option or Another Catastrophe**  
*Karsten Klabe*

13:40 – 14:00

**Discussion**



## DAY ONE

Thursday - 12<sup>th</sup> December, 2024

<b>Course 3</b>	13:00 - 14:00 Room 1 <b>Yamane ISHF 101: Pearls to Get You Started</b>
13:00 – 13:50	<i>Sara AlShaker</i>
13:50 – 14:00	<b>Discussion</b>
<b>Session 4</b>	13:00 - 15:00 Room 2 <b>Challenges, Innovations, and Emerging Digital Therapeutics in Ophthalmic Nursing</b>
13:00 – 14:50	<i>Enas AlAmri, Trevor Wyngaard, Sahar AlAqeel, Lailanie Arucan</i>
14:50 – 15:00	<b>Discussion</b>
<b>Session 5</b>	14:10 – 15:10 Auditorium A <b>Surgical Innovation in Retinal Diseases Management</b>
Chair: Hassan AlDhibi Moderator: Faisal Saeed AlQahtani	
14:10 – 14:20	<b>Update on 27-Gauge Vitrectomy</b> <i>Felipe Dhawahir Scala</i>
14:20 – 14:30	<b>Why Do We Have to Reconsider Scleral Buckles?</b> <i>Carlos Mateo</i>
14:30 – 14:40	<b>Repair of Complicated Trauma Cases</b> <i>Carl Claes</i>
14:40 – 14:50	<b>Head-up 3D Visualization vs Conventional Microscope in Stage 5 ROP</b> <i>Abdulrahman AlZaid</i>
14:50 – 15:00	<b>27-Gauge Techniques in Advanced Diabetic Retinopathy</b> <i>Carl Claes</i>
15:00 – 15:10	<b>Discussion</b>



## DAY ONE

Thursday - 12<sup>th</sup> December, 2024

### Session 6

14:10 – 15:10 Auditorium B  
**Emerging Therapies and Strategies in Cataract and Corneal Diseases**

Chair: Omar Kirat  
Moderator: Mohammed AIMutlak

14:10 – 14:25

**Keratocyte Cell Therapy for Corneal Scars**  
*Jodhbir Mehta*

14:25 – 14:40

**Artificial Intelligence in Cornea and Cataract Surgery**  
*Natalie Afshari*

14:40 – 14:55

**Nanoliposomal Delivery for Treatment of Vernal Keratoconjunctivitis**  
*Jodhbir Mehta*

14:55 – 15:10

**Discussion**

### Course 4

14:10 - 15:10 Room 1  
**Controversies in Pediatric Ophthalmology and Strabismus**

14:10 – 15:00

*Aljawhara AIDamri, Shaimaa AlRefaie, Abeer Alawi, Shatha AlFreihi, Ahmad AlJaloud, Saif AlObaisi, Mohammed AlShamrani*

15:00 – 15:10

**Discussion**

15:10 – 15:40

Prayer and Coffee Break

### Session 7

15:40 - 16:40 Auditorium A  
**“I Wish I Knew Then”**

Chair: Abdulaziz AlRajhi

15:40 – 16:20

**Panelists**  
*Fatemah AlShamlan, Trevor Wyngaard, Adi AlOwaifeer, Budoor AlZamil*

16:20 – 16:40

**Advice from the public**



## DAY ONE

Thursday - 12<sup>th</sup> December, 2024

### Session 8

15:40 – 16:40 Auditorium B  
**Retinoblastoma Course: The Future and Challenges**

Chair: Saleh AlMesfer  
Moderator: Azza Maktabi

15:40 – 15:55	<b>Principles and Practice of Retinoblastoma Diagnosis and Therapy until 2008</b> <i>Francis Munier</i>
15:55 – 16:10	<b>Introducing the Paradigm Change in the Chemotherapeutic Management of Retinoblastoma: from Systemic to Targeted and Segmented Ocular Delivery</b> <i>Francis Munier</i>
16:10 – 16:20	<b>Retinoblastoma: KKESH&amp;RC Experience</b> <i>Azza Maktabi</i>
16:20 – 16:30	<b>Intra-arterial Chemotherapy for Retinoblastoma in Lausanne: Long Term Results</b> <i>Francis Munier</i>
16:30 – 16:40	<b>Discussion</b>

### Course 5

15:40 - 16:40 Room 1  
**Advanced Cataract Simulation Training**

15:40 – 16:30	<i>Larry Benjamin</i>
16:30 – 16:40	<b>Discussion</b>

### Course 6

15:40 - 16:40 Room 2  
**The Role of Artificial Intelligence in Optometry and Technical Procedures**

15:40 – 16:30	<i>Loujain AlAbbassi</i>
16:30 – 16:40	<b>Discussion</b>



## DAY ONE

Thursday - 12<sup>th</sup> December, 2024

### Session 9

16:50 – 17:50 Auditorium A  
**Young Ophthalmologist I**

Chair: Sulaiman AlTraiqi  
Moderator: Nawaf AlMeshari

16:50 – 17:15

#### **How to Choose Your Subspecialty?**

*Muhannad AlKhalifah, Khaled AlDihan, Lamia AlHijji, Asma AlMohizea, Musa AlRashedi*

17:15 – 17:35

#### **Young Leaders**

*Rafah Fairaq*

17:35 – 17:50

#### **Discussion**

### Session 10

16:50 – 17:50 Auditorium B  
**Glaucoma Filtration Surgery: Still a Valuable Option?**

Chair: Ohood Owaidha  
Moderator: Ibrahim AlObaida

16:50 – 17:00

#### **Newer Ways of Teaching and Learning Glaucoma Surgery**

*Karl Mercieca*

17:00 – 17:10

#### **New Treatment Paradigm in Glaucoma Filtering Surgery**

*Kin Sheng Lim*

17:10 – 17:20

#### **My Best Trabecular Device. Any new one?**

*Jose Maria Martinez de la Casa*

17:20 – 17:30

#### **Deep Sclerectomy in the 21<sup>st</sup> Century. Any Better Than the Old Procedures?**

*Karl Mercieca*

17:30 – 17:50

#### **Discussion**



## DAY ONE

Thursday - 12<sup>th</sup> December, 2024

<b>Course 7</b>	16:50 - 17:50 Room 1 <b>Anterior Lamellar Keratoplasty</b>
16:50 – 17:40	<i>Mohammed Abusayf</i>
17:40 – 17:50	<b>Discussion</b>
<b>Course 8</b>	16:50 - 17:50 Room 2 <b>Comprehensive Management of Eyelid and Orbital Trauma in Emergency Settings</b>
16:50 – 17:40	<i>Eman AlSharif, Ghalia Abdulkader, Humoud AlOtaibi</i>
17:40 – 17:50	<b>Discussion</b>



## DAY TWO

Friday - 13<sup>th</sup> December, 2024

### Session 11

09:30 - 10:30 Auditorium A  
**Artificial Intelligence II**

Chair: Adi AlOwaifeer

Moderator: Abdulrahman Badawi

09:30 – 09:40

**From Narrow Applications to Broad Solutions: The Application of Foundational AI Models in Ophthalmology**

*Aaron Lee*

09:40 – 09:50

**Telemedicine and AI in Glaucoma Management**

*Karl Mercieca*

09:50 – 10:00

**Decoding the Retina: Leveraging AI for Advanced Optical Coherence Tomography Image Analysis**

*Aaron Lee*

10:00 – 10:10

**AI for Detection of Wet Age-related Macular Degeneration: How to Teach AI to Say I Don't Know?**

*Adam Dubis*

10:10 – 10:20

**Will AI Replace Ophthalmologists?**

*Adi AlOwaifeer*

10:20 – 10:30

**Discussion**

### Session 12

09:30 - 10:30 Auditorium B  
**New Advances in Cataract and Refractive Surgeries**

Chair: Hatem Kalantan

Moderator: Danya AlDahan

09:30 – 09:40

**Corneal Transplants, Flaps, Lasers, Bubbles: Recent Advances in Cornea and Refractive Surgery**

*Natalie Afshari*

09:40 – 09:50

**My Experience in Extended Depth of Focus Intraocular Lenses**

*Alaa ElDanasoury*

09:50 – 10:00

**Selective Laser Capsulotomy in Cataract Surgery (Pros and Cons)**

*Ali AlRajhi*

10:00 – 10:10

**Femtosecond Laser Applications in Modern Refractive Surgery**

*Jodhbir Mehta*

10:10 – 10:20

**Refractive Surgery Went Wrong Way**

*Ali AlRajhi*

10:20 – 10:30

**Discussion**



## DAY TWO

Friday - 13<sup>th</sup> December, 2024

<b>Course 9</b>	09:30 – 11:00 Room 1 <b>Improving my Glaucoma Performance</b>
09:30 – 10:50	<i>Konrad Schargel, Dania Bamefleh, Rizwan Malik, Rayan AlShigari, Leyla AIDjasim</i>
10:50 – 11:00	<b>Discussion</b>
<b>Course 10</b>	09:30 – 10:30 Room 2 <b>KKESH&amp;RC Experience Volunteering in Eye Care</b>
09:30 – 10:15	<i>Mohammed AIMutlak, Enmar AIMazyad, Suha AIMusa</i>
10:15 – 10:30	<b>Discussion</b>
<b>Session 13</b>	10:40 - 11:40 Auditorium A <b>Enhancing the Lives of Patients and Families Affected by Eye Disorders</b>
Moderator: Hend AlZahrani	
10:40 – 10:55	<b>The Effectiveness of Using Community Assessment Tools in the Development and Delivery of Parenting Programs for Children with Visual Impairments</b> <i>Hend AlZahrani</i>
10:55 – 11:10	<b>The Role of Social Work in Promoting the Quality of Life for Patients with Eye Disorders</b> <i>Eman AlOmar</i>
11:10 – 11:25	<b>Secondary Traumatic Stress</b> <i>Abdulaziz AlKaltham</i>
11:25 – 11:40	<b>Discussion</b>



## DAY TWO

Friday - 13<sup>th</sup> December, 2024

<b>Session 14</b>	10:40 – 11:40 Auditorium B <b>Visionary Insights: Innovations in Retinal Disease Research</b>
Chair: Sawsan Nowlaty Moderator: Nora AlYousif	
10:40 – 10:50	<b>Update on Diabetic Retinopathy Screening: Equity of Performance</b> <i>Adnan Tufail</i>
10:50 – 11:00	<b>Methodology of Testing and Developing Artificial Intelligence for Diabetic Retinopathy</b> <i>Adnan Tufail</i>
11:00 – 11:10	<b>Diabetic Retinopathy and Diabetic Macular Edema. Can Imaging Biomarkers Predict Outcomes?</b> <i>Enrico Borrelli</i>
11:10 – 11:20	<b>Results of Vendor Neutral Head-to-Head Study</b> <i>Adnan Tufail</i>
11:20 – 11:30	<b>Role of Optical Coherence Tomography Angiography in Mapping Vitreoretinal Disease Progression</b> <i>Adam Dubis</i>
11:30 – 11:40	<b>Discussion</b>
<b>Course 11</b>	10:40 – 11:40 Room 2 <b>Intraocular Insights: The Critical Role of Nurses in Ophthalmic Injection Therapies</b>
10:40 – 11:30	<i>Hebah AlHisain</i>
11:30 – 11:40	<b>Discussion</b>
11:40 – 13:00	Prayer and Lunch Break
<b>Satellite Symposia</b>	12:30 – 13:00 Auditorium A <b>When to Switch?</b>
AbbVie Biopharmaceutical GMBH	
12:30 – 13:00	<i>Sawsan Nowlaty</i>



## DAY TWO

Friday - 13<sup>th</sup> December, 2024

### Session 15

13:00 – 14:00 Auditorium A  
“Whose Fault Is It?”

Chair: Abdulaziz AlRajhi

#### A Debate

#### Trainers:

*Gorka Sesma, Hailah AlHussain, Rafah Fairaq*

#### Trainees:

*Asma AlMohizea, Muhannad AlKhalifah, Aisha AlEidan*

13:00 – 14:00

### Session 16

13:00 – 14:00 Auditorium B  
**Navigating Complex Surgical Retinal Diseases: Advanced Surgical Approaches**

Chair: Sulaiman AlSulaiman  
Moderator: Valmore Semidey

**Failed Recurrent and Large Myopic Macular Hole**  
*Carlos Mateo*

13:00 – 13:10

**Pediatric Vitreoretinal Interface Pathologies**  
*Carl Claes*

13:10 – 13:20

**The Nightmare of Post-Operative Endophthalmitis**  
*Felipe Dhawahir Scala*

13:20 – 13:30

**Combined Phaco: Vitrectomy, Yes or No?**  
*Marcos Rubio*

13:30 – 13:40

**Macular Relocation in Challenging Macular Hole Cases**  
*Carl Claes*

13:40 – 13:50

**Discussion**

13:50 – 14:00



## DAY TWO

Friday - 13<sup>th</sup> December, 2024

<b>Course 12</b>	13:00 – 14:00 Room 1 <b>PreserFlo: Listen to the Experts</b>
13:00 – 13:40	<i>Karsten Klabe, Jose Maria Martinez de la Casa, Kin Sheng Lim, Ohood Owaidha</i>
13:40 – 14:00	<b>Discussion</b>
<b>Course 13</b>	13:00 – 14:00 Room 2 <b>Practical Pearls to Master DMEK Surgery</b>
13:00 – 13:40	<i>Mahmood Showail, Sara AlShaker, Mohammed Abusayf</i>
13:40 – 14:00	<b>Discussion</b>
<b>Session 17</b>	14:10 – 15:10 Auditorium A <b>Hear it from the Experts: Ocular Genetics: From the Basics to Multimodal Imaging</b>
Chairs: Arif Khan Moderator: Rola Ba-Abbad	
14:10 – 14:20	<b>Classic Genetic Teachings in Ophthalmology that No Longer are Always True</b> <i>Arif Khan</i>
14:20 – 14:30	<b>Genetics of Corneal Dystrophies, as a members of the International Committee for the Classification of Corneal Dystrophies (IC3D)</b> <i>Francis Munier</i>
14:30 – 14:40	<b>Correlation in MP Sensitivity and Optical Coherence Tomography in USH2A</b> <i>Adam Dubis</i>
14:40 – 14:50	<b>Differential Changes in Optical Coherence Tomography Angiography in Different Types of Usher Syndrome</b> <i>Adam Dubis</i>
14:50 – 15:00	<b>Relationship between Optical Coherence Tomography and Cellular Imaging in Usher Syndrome</b> <i>Adam Dubis</i>
15:00 – 15:10	<b>Discussion</b>



## DAY TWO

Friday - 13<sup>th</sup> December, 2024

### Session 18

14:10 – 15:10 Auditorium B  
**Controversy in Glaucoma Minimal Invasive Surgery**

Chair: Ali AlBeshri  
Moderator: Rayan AlShigari

14:10 – 14:20

**Controversy in Trabecular Surgery with or without Implants**  
*Jose Maria Martinez de la Casa*

14:20 – 14:30

**Trans Trabecular Measure Surgery. Is This a New Technique?**  
*Kin Sheng Lim*

14:30 – 14:40

**Controversy in Xen 63 and PreserFlo**  
*Jose Maria Martinez de la Casa*

14:40 – 14:50

**My Impression with the Omni. Next Angular Surgery**  
*Karsten Klabe*

14:50 – 15:00

**Discussion**

### Course 14

14:10 – 15:10 Room 1  
**Prevention and Management of Vitreous Loss in Cataract Surgery**

14:10 – 15:00

*Larry Benjamin*

15:00 – 15:10

**Discussion**

### Course 15

14:10 – 15:10 Room 2  
**Overview of the Optical Coherence Tomography**

14:10 – 15:00

*Moustafa Magliyah*

15:00 – 15:10

**Discussion**



## DAY TWO

Friday - 13<sup>th</sup> December, 2024

### Satellite Symposia

15:10 – 15:40 Auditorium A  
**Rethinking Dry Eye Disease. A Contemporary Approach to Managing a Complex Condition: The Role of Lifitegrast**

Bausch and Lomb

15:10 – 15:40

*Arif Khan*

### Satellite Symposia

15:10 – 15:40 Auditorium B  
**What You See is What You Get**

Roche Products Saudi Arabia

15:10 – 15:40

*Fadwa AlAdel, Abdulrahman AlBloushi*

15:10 – 15:40

Prayer and Coffee Break

### Session 19

15:40 – 16:40 Auditorium A  
**Innovative Therapies for Ocular Surface Diseases**

Chair: Ali AlRajhi

Moderator: Ahmed AlDayel

15:40 – 15:50

**The Knots and Bolts of Keratoprosthesis**  
*Natalie Afshari*

15:50 – 16:00

**Improved Integration of Boston Keratoprosthesis by Nanoparticle Integration Surface**  
*Jodhbir Mehta*

16:00 – 16:10

**New Imaging Modalities in Microbial Keratitis**  
*Andrea Leonardi*

16:10 – 16:20

**Extended Indications of Keratoprosthesis**  
*Ali AlRajhi*

16:20 – 16:30

**European VKC Consensus Paper – Deep Dive**  
*Andrea Leonardi*

16:30 – 16:40

**Discussion**



## DAY TWO

Friday - 13<sup>th</sup> December, 2024

<b>Session 20</b>	15:40 – 16:40 Auditorium B <b>Multifaceted Approaches to the Management of Complex Retinal Pathologies: Surgical Strategies and Outcomes</b>
Chair: Marcos Rubio Moderator: Abdulrahman Badawi	
15:40 – 15:50	<b>“Navigating Complexities” Bimanual Technique in Diabetic Tractional Retinal Detachment</b> <i>Faisal Saeed AlQahtani</i>
15:50 – 16:00	<b>Paravascular/Posterior Breaks in Staphyloma in Myopes with or without Retinal Detachment</b> <i>Carlos Mateo</i>
16:00 – 16:10	<b>Advances and Options of Surgical Correction of Aphakia</b> <i>Felipe Dhawahir Scala</i>
16:10 – 16:20	<b>Outcome of Retinal Detachment in Marfan Syndrome Patients</b> <i>Abdulrahman Badawi</i>
16:20 – 16:30	<b>Management of Complications in Proliferative Diabetic Retinopathy</b> <i>Carlos Mateo</i>
16:30 – 16:40	<b>Discussion</b>
<b>Course 16</b>	15:40 – 16:40 Room 1 <b>Tips and Tricks in Pediatric Ophthalmology and Strabismus</b>
15:40 – 16:30	<i>Najah AlShahrani, Abdullah Khan, Amani AlBakri, Gorka Sesma, Mohammed AlShamrani, Saif AlObaisi, Ismail AlGhamdi, Saleh AlMesfer, Heba Khashoggi, Shatha AlFreihi, Abdulaziz Awad, Abeer Alawi</i>
16:30 – 16:40	<b>Discussion</b>
<b>Course 17</b>	15:40 – 16:40 Room 2 <b>Augmented Reality for Low Vision</b>
15:40 – 16:30	<i>Mohammed AlBlawi</i>
16:30 – 16:40	<b>Discussion</b>
16:40 – 17:10	Announcement of Best Scientific Video, E-Poster, Photo (Auditorium A)



**DAY THREE**  
Saturday - 14<sup>th</sup> December, 2024

<b>Session 21</b>	09:20 – 10:20 Auditorium A <b>Glaucoma Tubes: Are They the Ultimate Glaucoma Surgery?</b>
Chair: Rizwan Malik Moderator: Abdulrahman AlDarrab	
09:20 – 09:30	<b>The Evolution of Glaucoma Drainage Devices and Innovations</b> <i>Karl Mercieca</i>
09:30 – 09:40	<b>Old Large Diameter Tube/Valves Still Valid?</b> <i>Nawaf AlMarzouki</i>
09:40 – 09:50	<b>New Large Diameter Tube/Valves. Are They Better?</b> <i>Alaa Moffi</i>
09:50 – 10:00	<b>Why Should I Start the New Small Diameter Tubes? Are they for all cases?</b> <i>Victor Koh</i>
10:00 – 10:20	<b>Discussion</b>

<b>Session 22</b>	09:20 – 10:20 Auditorium B <b>KKESH&amp;RC Pediatric Ophthalmology Division Experience</b>
Chair: Gorka Sesma Moderator: Abdullah Khan	
09:20 – 09:30	<b>PreserFlo Dynamics in Childhood Glaucoma</b> <i>Gorka Sesma</i>
09:30 – 09:40	<b>Pupilloplasty in Children</b> <i>Abdullah Khan</i>
09:40 – 09:50	<b>Scleral Fixated Intraocular Lens in Children</b> <i>Fawziah AlHaimi</i>
09:50 – 10:00	<b>Update on Pediatric Capsulotomy</b> <i>Rafaa Babji</i>
10:00 – 10:10	<b>Visual Rehabilitation of Children after Cataract Surgery</b> <i>Abdulaziz Awad</i>
10:10 – 10:20	<b>Discussion</b>



## DAY THREE

Saturday - 14<sup>th</sup> December, 2024

<b>Course 18</b>	09:20 – 10:20 Room 1 <b>Debating Keratoplasty in Corneal Ectasia</b>
09:20 – 10:10	<i>Omar Kirat, Rafah Fairaq</i>
10:10 – 10:20	<b>Discussion</b>

<b>Course 19</b>	09:20 – 10:20 Room 2 <b>External versus Endoscopic DCR</b>
09:20 – 10:10	<i>Osama AISheikh, Naif AISulaiman, Nada Madhi</i>
10:10 – 10:20	<b>Discussion</b>

<b>Session 23</b>	10:30 – 11:30 Auditorium A <b>New Frontiers in the Treatment of Corneal Endothelial Diseases</b>
Chair: Muhammad Ahad Moderator: Abdullah AlJenaidel	
10:30 – 10:45	<b>Tissue Engineered Endothelial Keratoplasty</b> <i>Jodhbir Mehta</i>
10:45 – 11:00	<b>New Horizons in Corneal Endothelium and Fuchs Dystrophy: Surgical Interventions, Stem Cell Regeneration and Genetic</b> <i>Natalie Afshari</i>
11:00 – 11:15	<b>Simple Non-Cultured Endothelial Cell Therapy</b> <i>Jodhbir Mehta</i>
11:15 – 11:30	<b>Discussion</b>



**DAY THREE**  
Saturday - 14<sup>th</sup> December, 2024

<b>Session 24</b>	10:30 – 11:30 Auditorium B <b>Young Ophthalmologist II</b>
Chair: Sara AlHilali Moderator: Khawlah AlZaben	
10:30 – 10:40	<b>Simulated Ocular Surgery and the Changing Face of Ophthalmology Training</b> <i>Karl Mercieca</i>
10:40 – 10:50	<b>What NOT to Do in a National/International Presentation?</b> <i>Arif Khan</i>
10:50 – 11:00	<b>Sustainability in Ophthalmology Practice</b> <i>Sara AlHilali</i>
11:00 – 11:10	<b>Ophthalmology in Low-Resource Settings: Challenges and Opportunities</b> <i>Rakan AlSaad</i>
11:10 – 11:20	<b>Global Perspectives in Ophthalmology: Lessons from Observerships</b> <i>Khawlah AlZaben</i>
11:20 – 11:30	<b>Discussion</b>

<b>Course 20</b>	10:30 – 11:30 Room 1 <b>Advances in Glaucoma Implant</b>
10:30 – 11:20	<i>Victor Koh, Ibrahim AlObaida</i>
11:20 – 11:30	<b>Discussion</b>

<b>Course 21</b>	10:30 – 11:30 Room 2 <b>The Challenges and Innovations in Antimicrobial Stewardship</b>
10:30 – 11:20	<i>Muhammad Haris Mazhar</i>
11:20 – 11:30	<b>Discussion</b>



## DAY THREE

Saturday - 14<sup>th</sup> December, 2024

### Satellite Symposia

11:30 – 12:00 Auditorium A  
**Dry Eye versus Allergy**

Santen Pharmaceutical Co., Ltd.

11:30 – 12:00

*Andrea Leonardi*

11:30 – 12:00

Prayer and Coffee Break

### Session 25

12:00 – 13:00 Auditorium A  
**Glaucoma: What Will You Do in an Extreme Case?**

Chair: Essam Osman

Moderator: Sultan AlDrees

12:00 – 12:05

**My Difficult Microinvasive Glaucoma Surgery**  
*Jose Maria Martinez de la Casa*

12:05 – 12:15

**Discussion**

12:15 – 12:20

**My Difficult PreserFlo**  
*Kin Sheng Lim*

12:20 – 12:30

**Discussion**

12:30 – 12:35

**My Difficult Deep Sclerectomy**  
*Karl Mercieca*

12:35 – 12:45

**Discussion**

12:45 – 12:50

**My Difficult Tube**  
*Victor Koh*

12:50 – 13:00

**Discussion**



**DAY THREE**  
Saturday - 14<sup>th</sup> December, 2024

**Session 26**

12:00 – 13:00 Auditorium B  
**Age-Related Macular Degeneration: Cutting-Edge Imaging and Therapy**

Chair: Abdulrahman AlBloushi  
Moderator: Hanan AlShalan

12:00 – 12:10

**Macular Atrophy and Geographic Atrophy: Two Faces of the Same Coin**  
*Enrico Borrelli*

12:10 – 12:20

**Can Drusen Predict Age-Related Macular Degeneration Conversion?**  
*Adam Dubis*

12:20 – 12:30

**Approach to Treatment of Atrophic Age-Related Macular Degeneration: Beyond Complement**  
*Adnan Tufail*

12:30 – 12:40

**Neovascular Age-Related Macular Degeneration: Novel Insights from Imaging**  
*Enrico Borrelli*

12:40 – 12:50

**Emerging Treatment Approaches for Neovascular Age-Related Macular Degeneration: Beyond Intravitreal Anti-Vascular Endothelial Growth Factor Therapy**  
*Adnan Tufail*

12:50 – 13:00

**Discussion**

**Course 22**

12:00 – 13:00 Room 1  
**Postoperative Corneal Visualization in Laser Refractive Surgery**

12:00 – 12:50

*Bastian Bratenstein*

12:50 – 13:00

**Discussion**

**Course 23**

12:00 – 13:00 Room 2  
**Myopia Control What We Know**

12:00 – 12:50

*Abdulmohsen AlMuhsin*

12:50 – 13:00

**Discussion**



**DAY THREE**  
Saturday - 14<sup>th</sup> December, 2024

<b>Session 27</b>	13:10 – 14:10 Auditorium A <b>Hear it from the Experts:</b> <b>Ocular Genetics: Classic Teachings and Day-to-Day Findings</b>
Chairs: Adam Dubis Moderator: Moustafa Magliyah	
13:10 – 13:20	<b>Why Do Ophthalmologists Need to Know About Genetics? Case Examples and Patient Impact</b> <i>Arif Khan</i>
13:20 – 13:30	<b>The Retina Looks Normal but has a Problem - Achromatopsia and Related Phenotypes</b> <i>Arif Khan</i>
13:30 – 13:40	<b>Comparison of Degeneration Rates Across Modalities in Choroideremia</b> <i>Adam Dubis</i>
13:40 – 13:50	<b>Cellular Structure in Choroideremia</b> <i>Adam Dubis</i>
13:50 – 14:10	<b>Discussion</b>

<b>Session 28</b>	13:10 – 14:10 Auditorium B <b>Challenges in Cataract Surgery</b>
Chair: Norah AlKherajji Moderator: Deema Jomar	
13:10 – 13:20	<b>Management of Complex Cataract Cases</b> <i>Larry Benjamin</i>
13:20 – 13:30	<b>Cataract Surgery in Setting of Corneal Disease</b> <i>Natalie Afshari</i>
13:30 – 13:40	<b>IOL Exchange/Dysphotopsias/Dislocations After Cataract Surgery</b> <i>Larry Benjamin</i>
13:40 – 13:50	<b>Challenges in White Cataract</b> <i>Natalie Afshari</i>
13:50 – 14:00	<b>Perioperative Emergencies in Cataract Surgery</b> <i>Larry Benjamin</i>
14:00 – 14:10	<b>Discussion</b>



## DAY THREE

Saturday - 14<sup>th</sup> December, 2024

<b>Course 24</b>	13:10 – 14:10 Room 1 <b>New Insights into Coats Disease</b>
13:10 – 14:00	<i>Francis Munier</i>
14:00 – 14:10	<b>Discussion</b>
<b>Course 25</b>	13:10 – 14:10 Room 2 <b>Low Vision Patient Perspective Panel</b>
13:10 – 14:00	<i>Suha AlMusa</i>
14:00 – 14:10	<b>Discussion</b>
14:10 – 14:30	Closing Remarks (Auditorium A)
14:30 – 15:30	Lunch Break

مستشفى الملك خالد  
التخصصي للعيون  
King Khaled Eye  
Specialist Hospital



**SDAIA**  
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Saudi Data & AI Authority

# The Eye Hackathon

In collaboration with  **SDAIA**  
الهيئة السعودية للبيانات  
والذكاء الاصطناعي  
Saudi Data & AI Authority



12-14 December 2024



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## Scientific E-Posters

### Anterior Segment

#### Title of E-Posters

A Case Report: Corneal Melting Following Intrastromal Injection of Bevacizumab for Corneal Neovascularization	Muna AlRuhaili, Haitham AlMahrouqi
An Outbreak of Pseudomonas aeruginosa Endophthalmitis following Cataract Surgery: A Case Series and Lessons Learned	Abdulmajeed AlKhatami, Abdullah Abbas, Amani AlGhramah, Abdullah AlOlyani, Wejdan AlGhamdi, Khalid Chith
Characteristics of Chords Mu ( $\mu$ ) and Alpha ( $\alpha$ ) Lengths Among Cataract Patients in a Single Center in Madinah, Saudi Arabia	Ahmed AlRehaili, Maan AlBarry, Ibrahim AlSaedi, Rawabi AlBeladi, Rahaf Afandi, Saif AlAnazi, Mohammed Khoshhal
Corneal Ring Infiltrate following Micropulse Cyclophotocoagulation	Meznah AlSanad, Deema Jomar, Nouf AlZendi, Ahmed AlSaleh
Efficacy and Safety of Nanoparticle Loteprednol Etabonate Compared to Vehicle in Post-cataract Surgery Pain and Anterior Chamber Inflammation Management: A Systematic Review and Meta-Analysis	Hatem AlSolami, Ali AlSudais, Mohammad Nooh, Basel AlSolami, Mohammed AlGhamdi, Naif AlMufarriji, Saeed AlGhamdi
Extended Depth of Focus Versus Trifocal for Intraocular Lens Implantation: An Updated Systematic Review and Meta-Analysis	Rand AlAzaz, Ahmed AlDubaikhi, Abdulmalik AlSaif, Mohammad Karam, Nahla AlKhowaiter, Ali AlKhabbaz, Eiman Shareef, Abdulaziz AlOtaiby, Mona Koaik, Samir Jabbour
Extensive Descemet's Membrane Tear After a Blunt Trauma with a Football: Case Report and Literature Review	Mohammed AlAmry, Afraj AlShammari, Raneem AlQahtani
Eye-Bank Precut versus Surgeon-Cut Tissue Graft for Descemet Stripping Automated Endothelial Keratoplasty (DSAEK): A Systematic Review and Meta-Analysis	Khaled AlKandari
Prevalence of Infectious Keratitis Following Keratorefractive Surgery: A Systematic Review and Meta-Analysis	Rimaz AlDawsari, Rema AlRashoud, Rana Afif, Zahra AlSulaiman, Lujain AlAslani, Mohammed AlHarfy, Noura AlMushqaih, Abdulelah AlAqel, Bandr AlEnazi, Yazeed AlAnazi, Reem AlHuthail
Prevalence of Symptomatic Dry Eye and its Risk Factors Among Coastal Population in Eastern Province of Saudi Arabia	Rayan AlHarbi, Abdulrahman AlHarbi
Sclera Rupture and Uveal Tissue Prolapse Post MP-CPC Following Trival Trauma	Raed AlNutaifi, Ibrahim Asiri, Ahmed AlHabash, Sami AlShahwan, Mohammed AlMutlak, Rafah Fairaq, Halah Bin Helayel
Systematic Review of Intraocular Lens Power Calculation Formulas for Keratoconus: Evaluating Predictive Accuracy and Outcomes	Mohammed AlBadri, Fisal AlJhdali, Rahaf Sharif, Bandar AlHarbi, Abdulelah BinYamin, Hala Bin Helayel
The Impact of COVID19 Pandemic on the Ophthalmology Residency and Fellowship Training Program: Retrospective Study	A Yahya, AA Yahya, A Ammar, S Shahwan



## Anterior Segment

### Title of E-Posters

The Impact of Tacrolimus Therapy on the Outcomes of Vernal Keratoconjunctivitis: A Systemic Review and Meta-Analysis

Reem AlHuthail, Dalal AlEssa

Validation of the Trancón Formula for Predicting Implantable Collamer Lens Vault Among Saudi Population

A AlYahya, A AlQwaiz, R Fairaq, M AlMutlak, H Bin Helayel

## Artificial Intelligence

### Title of E-Posters

Performance of ChatGPT-4o in the Image-Based Diagnosis and Treatment of Corneal and Ocular Surface Diseases

Heba AlSharif, Faisal AlTahan, Lojain AlBathi

## Glaucoma

### Title of E-Posters

A Comparative Study of Combined iStent Phacoemulsification versus Combined Ab-interno Canaloplasty Phacoemulsification for Open-Angle Glaucoma Management

Maram AlEnazi, Saeed AlAmoudi, Khalid AlDihan, Nayef AlOtaibi

Case Report: Plateau Iris Configuration in Child as a Mimicker of Primary Congenital Glaucoma

Turki AlGethami, Dhabiah AlQahtani, Rayan AlShigari

Long-term Outcome and Determinants of Primary Pediatric Cataract Surgery

Dhabiah AlQahtani, Aljawhara AlDamri, Mohammed AlShamrani

Outcomes of Selective Laser Trabeculoplasty in Primary Open-Angle Glaucoma Patients of Middle Eastern Descent

Ibtisam AlGouf, Maram AlQattan, Adi AlOwaifeer

Phacoemulsification versus Laser Peripheral Iridotomy for Treating Primary Angle Closure Glaucoma: A Systematic Review and Meta-Analysis

Rahaf Sharif, Faisal AlJahdali, Hind AlJabri, Lugean AlOmari, Renad Sagim, Duaa AlAmri, Merai AlShehri, Rayan AlShigari

Prognosis and Visual Outcomes of Concomitant Glaucoma Drainage Devices vs Cyclodestructive Procedures in Patients with Keratoprosthesis

Nawaf AlMeshari, Sami AlShahwan, Sara AlHilali, Manal AlWazie, Haya AlNafisah

The Efficacy of Adjunctive Bevacizumab in Trabeculectomy for Glaucoma Treatment: A Systematic Review and Meta-Analysis

Ahmed AlNabihi, Anas AlAmoudi, Abdulaziz AlDahlawi, Rahaf Sharif, Naif AlMuffarji, Hind AlJabri, Khalid AlDihan, Sami AlShahwan



## Glaucoma

### Title of E-Posters

Three-Year Experience in Genetic Screening and Prevention of Primary Congenital Glaucoma (PCG) in Saudi Arabia: Early Results from a Pilot Program at King Khaled Eye Specialist Hospital

L. Ali AlJasim, A.W. Theeb, A. Izari, M. Wazea, A. Bakri, N. Montashiry

## Miscellaneous

### Title of E-Posters

Bilateral Acute Iris Transillumination Following Coronavirus Disease 2019 Infection: Case Report

Abdulrahman AlBloushi, Ghada AlAbdi, Hend ElMutawi

Dealing with Missing and Incomplete Data in Ophthalmologic Research: Best Applicable Approaches

Ahmed Abdulrahim

Evaluating the Medical Reasons for Operation, Cancellations, and Effectiveness of Improvement Strategies at a Tertiary Hospital, Riyadh

Osama Khuwairi, Iyad Ayyash, Amani Elimam, Amal Elimam, Wadi AlOnzi, Rachid Zeitounie

Local Experience of Adalimumab for the Treatment of Active Non-infectious Uveitis in a Tertiary Eye Hospital in Eastern Province, Saudi Arabia

Eman AlIbrahim, Sumayah Banaji, Nada AlBalawi, Asma AlHazmi, Hajer AlOtabi, Doha AlHammd, Fatimah AlHamad

Musculoskeletal Pain Among Eye Care Professionals

Ali AlQurainees, Abdulaziz AlTaisan, Omar AlSowayigh, Munthir AlOwayfir

Pattern of Methicillin Resistance Staphylococcus Aureus Ocular Infection, Clinical Characteristics, and Antibiotic Susceptibilities in a Tertiary Care Eye Center in Saudi Arabia

Muhammad Haris Mazhar, Sarah AlDughais, Abdullah AlHumaidan, Wejdan AlMutairi, Abdullah AlMutairi, Sarah AlBuraidi, Talal AlShaibani, Muhammad Ahad, Khabir Ahmed

The Adherence of Adalimumab Injection in Uveitis Patients in A Tertiary Care Eye Hospital in Riyadh

Muhammad Haris Mazhar, Sitah AlZuman, Arwa AlDahash, Abdullah AlHumaidan, Sarah AlAmri, Hassan AlDhibi, Rajiv Khandekar

The Effect of Pupil Size on Cone-isolation Contrast Sensitivity

Bader AlQahtani, Ali AlMustanyir, Amal AlDarwesh, Faisal Fakhouri, Mosaad AlHassan

The Prevalence of Carpal Tunnel Syndrome Among Ophthalmologists

Haifa AlToub, Sami AlShahwan, Mohammed Taha

## Ocular Genetics

### Title of E-Posters

The Future Direction of Ophthalmic Genetics in Saudi Arabia

Abeer Alkhodier, Basamat AlMoallem, Ghadah Alsuwailem, Nadeef AlQahtani, Layan AlShammari

The Efficacy and Safety of Adeno-Associated Viral Gene Therapy in Patients with Choroideremia: A Systematic Review and Meta-Analysis

Halah AlHwsawi, Sereen AlHarbi, Maha AlBakr, Esra AlHwsawi, Yazeed AlRayani

## Oculoplastics

Title of E-Posters	
Case Report: Orbital Emphysema Following External Dacryocystorhinostomy	Reem Nughays, Asim Bogari, Mohammed Albadri, Obada Fathi, Mohammed Qutub
Orbital Calcifying Fibrous Tumor: A Case Report and Literature Review	Mohammed AlAjmi, Nouf AlJowiser, Ahmed AlSalem
Management of Cicatricial Ectropion with Congenital Ichthyosis with Factor 7 Deficiency Using Filler Injections: A Case Report	Fatimah Badghaish, Hala Nassim, Dareen Khawjah
Self-Administration of Herbal Treatment for Periocular Cutaneous Leishmaniasis: An Atypical Case Report	Rawan AlThaqib, Faisal AlTahan, Hamad AlSulaiman, Diego Strianese, Azza Maktabi
Severe Isolated Microphthalmia in an Eight-Month-Old Female Infant: A Comprehensive Case Report and Literature Review	Abdulaziz AlSirahi, Waleed Batais, Abdulaziz AlRashid, Abdul leh BinYamin, Mohammed Qutub

## Pediatric Ophthalmology

Title of E-Posters	
A Case of Retinoblastoma Masquerading as Endophthalmitis: Unusual Presentation and Clinicopathological Correlation	Ghadah AlQahtani, Hind AlKatan, Saleh AlMesfer, Sahar ElKhamary, Azza Maktabi
Bilateral Sterile Sub-Tenon Abscess with Vicryl Suture Reaction Following Strabismus Surgery: A Case Report	Ghadh AlSadhan, Hanan Neyaz, Ismail AlGhamdi, Maan AlKharashi
Career Decisions and Deep Insight into Pediatric Ophthalmology as a Sub-Specialty Among Residents	Shahad Tayash, Rafaa Bagbi
Dislocated Sömmering Ring with Decompensated Cornea Presenting 14 Years After Lens Aspiration and Anterior Vitrectomy: A Case Report and Literature Review	Ghadah AlQahtani; Faisal AlOtaibi, Sarah AIMuwarræe, Halah Bin Helayel, Mohammed AIMutlak
Efficacy of Dichoptic Treatment vs. Eye Patching in Pediatric Amblyopia: A Systematic Review and Meta-Analysis of Randomized Controlled Trials	Enar AlMazroy, O. Nughays, Shahad Elyas, Anas AlAmoudi, Waleed Batais, Asim Bogari, Ahmed AlNabihi, Dania AlKharboush, Hashem AlMarzouki
From Sepsis to Sight: Navigating Complications in an 11-Month-Old with Endogenous Endophthalmitis	Jehad AlAbdulminaim, Halah AlAmawi, Noura AlSayari, Haya AlNafisah, Rehab AlRashidi
Pediatric Ophthalmology Practice Pattern and Influencing Factors in Saudi Arabia	Hanan Neyaz, Mohammed Al Shamrani
Severe Ocular Trauma Caused by Fireworks Injury: A Case Series	Huda AlGhadeer, Mohammed AlBarqi



## Vitreoretinal

### Title of E-Posters

Title of E-Posters	
An Unusual Presentation of Vitreomacular Traction: A Case Report	Abeer AIKhodier, Yasser AIMuzaini, Mohammed Refka
Benign Intraocular Inflammation Masquerading as Choroidal Melanoma: A Case Report of a Diagnostic Dilemma	Asim Bogari, Mohammed AIBadri, Asmaa Mohammed Saleh, Abdulelah BinYamin, Abdullah AIQahtani
Branch Retinal Artery Occlusion in a Pregnant Woman: A Case Report	Rehab Rashidi, Abdullah AIQahtani
Circumferential Peripapillary Retinitis with Overlying Pre-Papillary Vitreous Opacities as An Initial Presentation of Ocular Toxoplasmosis: A Case Report	Ibtehaj AIHarbi, Nora AIYousif
CNS Diffuse Large B-Cell Lymphoma Presenting with a Vitreoretinal Disorder: A Rare Case	Yahya AIYahya, Abdulrahman Albloushi
Comparative Efficacy of Brolocizumab and Aflibercept in Polypoidal Choroidal Vasculopathy: A Systematic Review and Meta-Analysis	Manar AILehyani, Hussam AIMalki, Abdullah AISaeedi, Mohammed AIMatrfi, Reem AIQthmi, Raghad Saleh, Rawan AISamli, Abdulrahman AIShehri, Saja Felimban, Gufran Kambiji, Basant Othman
Early Change in Intra Ocular Pressure After Intravitreal Injection of Lucentis	Faisal AI Harbi
Optimal Approaches for Managing Macular Holes: A Comprehensive Systematic Review and Meta-analysis	Rahaf AIRuwaili, Raghad Babaker, Maryam AIHarbi, Raghad AIOnazi, Shefa AIAmoudi, Hassan AIDhibi
Prevalence and Predictors of Diabetic Retinopathy in Saudi Arabia: Insights from a Systematic Review and Meta-analysis	Yousef Bassi, Ali AISHahrani, Alaa AISHahrani, Beshayer AIBoqami, Alwaleed AIQahtani, Bassam AIZahrani
Safety and Efficacy of Combination Therapy with Anti-Vascular Endothelial Growth Factor and Laser for Retinopathy of Prematurity	Anas AIAmoudi, Ahmed AINabihi, Ali AISudais, Naif AIMufarjji, Waleed Batais, Abdulaziz AIDahlawi, Abdullah AITalhi, Hassan AIDhibi, Adel AIAkeely



## Scientific Videos

Title of Videos	
A Novice Surgeon Confronts Cataract in the Shadows	Saeed AISHahrani
Femto-LASIK Complication Resolved: Restored 20\20 Vision After Folded Flap Repair	Raghad AIAkel
Fixing Detached DSAEK Lenticule with Securing Sutures in Phakic Patient with Failed PKP	Omar AIAbbasi
"Kat'tara" Eye Drops Assisted Delivery Tool	Leyla Ali AIDjasim, Suliman AITeriqi, Fadwa AIRuwaili
Management of Severe DLK After SMILE	Hernan Martinez Osorio



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6	OSAS	Partner (P6)
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9	Saudi Ophthalmology Society	Gold (G5)
10	BAYER	Silver (S1)
11	Al Basar	Silver (S2)
12	Jamjoom Pharma	Silver (S3)
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14	Miracle-Xen Innovation Medical	Silver (S5)
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17	Emirates Society of Ophthalmology	Association (A1)
18	Kuwait Ophthalmic Society	Association (A4)





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