



British Society for  
Refractive Surgery

# 31st BSRS Annual Meeting in Oxford

Joint UK-CXL  
Consortium meeting

Saturday 22nd & Sunday 23rd June 2024

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# Our Council

Our council is made up of highly skilled professionals who give up their time in order to better the understanding of refractive surgery across ophthalmic professionals across the world.



**Valerie Saw**  
President



**Clare O'Donnell**  
Vice-President



**Colm McAlinden**  
Treasurer



**James Ball**  
Immediate past president



**Amit Patel**  
Co opted council member



**Mayank Nanavaty**



**Allon Barsam**



**Saj Khan**



**Johnny Moore**



**Sid Goel**



**Tahera Bhojani Lynch**



**Hasan Naveed**



**Trusit Dave**



**Amir Hamid**

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Our Platinum Sponsor



# Welcome



On behalf of Council, I'd like to welcome you all to the 31st Meeting of the British Society for Refractive Surgery. We're thrilled this year to be having a joint meeting with the UK-CXL Consortium. Big thank you to Colm McAlinden and Sally Hayes for leading the joint meeting!



**Valerie Saw**  
BSRS President

It's a great honour for us to have an exceptional panel of UK and international speakers who will join us in Oxford to share their expertise with us on exciting advances in keratoconus treatments, cross linking, new EDOF lenses, complications of lens based or laser refractive surgery, and important medicolegal considerations.

On Sunday morning there will be an interactive peer discussion quiz, a great platform for lively discussion!

It's an enormous privilege to have Professor Jorge Alio, our Charles McGhee Medal guest lecture speak on "Therapeutic refractive surgery for keratoconus", and Professor Damien Gatinel, our BSRS Medal guest lecturer, inventor of the Finevision trifocal lens, speak on "Refining IOL Calculations for Refractive Accuracy and Precision".

We have up to 14.5 CPD points for Optometrists and Dispensing Opticians.

Our BSRS Young Ophthalmologist programme launches this year with enormous thanks to Hasan Naveed. It will be a pleasure to announce our BSRS Trainee e-Poster award recipient, kindly sponsored this year by BVI.

As the society continues to change and adapt to meet the needs of its members and supporters, we value your opinions and would appreciate if you could fill in the evaluation form and hand it in at the end of the meeting.

As always, we are very grateful to all our sponsors. They provide invaluable advice and support in delivering cutting edge technology to our patients.

Please make the time to visit the exhibition stands and hear about the new advances which make refractive surgery such an exciting subspecialty to practice in.

Big thank you to Ziemer and Instinctive for hosting a femtosecond LASIK and lenticule wetlab - don't miss out on booking your place!

I look forward to meeting you, please come and say hello, feel free to let me know suggestions for the Society and for our next meeting!



# Programme of events

## SATURDAY 22nd JUNE 2024

08:30-09:00	Registration & Welcome	Valerie Saw
09:00-10:00	YOUNG OPHTHALMOLOGIST SESSION	Chairs: Hasan Naveed & Valerie Saw
09:00-09:20	Corneal refractive surgery	Masara Laginaf
09:20-09:40	Lens based refractive surgery	Ahmed Bardan
09:40-10:00	How to start doing refractive surgery	Round table
<b>10:00-10:45</b>	<b>Coffee</b>	
<b>10:45-11:45</b>	<b>UK-CXL CONSORTIUM SESSION</b>	<b>Chairs: Colm McAlinden &amp; Sally Hayes</b>
10:45-11:00	The impact of corneal rinsing and riboflavin replenishment during corneal cross- linking	Siân Morgan
11:00-11:15	Repeat CXL after failure of primary CXL in keratoconus: 10 years of repeat CXL	Seema Anand
11:15-11:30	Advances in WST11/NIR cross-linking	Mor Dickman
11:30-11:45	From slit lamp-based epi-on cross-linking to PACE (2nd generation customized CXL)	Farhad Hafezi
<b>11:45-12:45</b>	<b>CORNEA SESSION</b>	<b>Chairs: Colm McAlinden &amp; Trusit Dave</b>
11:45-12:00	CAIRS for keratoconus	Shady Awwad
12:00-12:15	AI for diagnosis of keratoconus and progression	Andreia Rosa
12:15-12:30	Corneal tomography – defining cut offs for KC progression	Mazen Sinjab
12:30- 12:45	Complications of Corneal Ring Segments and Strategies for Management	Shady Awwad
12:45-13:00	DMEK pearls	Vincenzo Maurino
<b>13:00-14:30</b>	<b>Lunch &amp; AGM, Exhibition</b>	
<b>14:30-15:30</b>	<b>CHARLES MCGHEE MEDAL LECTURE</b> Jorge Alió <b>Therapeutic refractive surgery for keratoconus</b>	

**15:30-17:00      PROS & CONS OF IOL TECHNOLOGY      Chairs: Amir Hamid & Johnny Moore**

15:30-15:40	Pros & Cons of Arti Symbiose plus Case for discussion	Johnny Moore
15:40-15:50	Pros & Cons of Hoya Impress plus Case for discussion	Francesco Carones
15:50-16:00	Pros & Cons of Vivity versus EMV plus Case for discussion	Masara Laginaf
16:00-16:10	Pros & Cons of Finevision plus Case for discussion	Amir Hamid
16:10-16:20	Pros & Cons of IC-8 small aperture IOL plus Case for discussion	Hatch Mukherjee
16:20-16:30	Pros & Cons of Rayner IOL plus Case for discussion	Andrzej Dmitriew
16:30-16:40	Pros & Cons of New Accommodative IOL Lumina, phase 3 study plus Case for discussion	Jorge Alió
16:40-17:00	Discussion	

**17:00-17:30      Tea****17:30-18:00      MEDICOLEGAL      Chairs: Saj Khan & Sid Goel**

17:30-17:45	The most common medicolegal issues in refractive surgery	Val Roberts
17:45-18:00	Can you avoid medical litigation?	Emily McQuilkin

**19:00      Drinks Reception followed by 19:30 Conference Dinner and Entertainment**



## SUNDAY 23rd JUNE 2024

08:45-09:00	Registration	
09:00-10:15	<b>WHICH TREATMENT FOR THIS PATIENT? Interactive Quiz &amp; Peer Discussion with Optometrists and Ophthalmologists</b>	<b>Chairs: Clare O'Donnell &amp; Tahera Bhojani-Lynch</b>
10:15-11:00	<b>Coffee</b>	
11:00-12:00	<b>BSRS MEDAL LECTURE 2024: Beyond the Lens Power: Refining IOL Calculations for Refractive Accuracy and Precision</b>	<b>Prof Damien Gatinel</b>
12:00 -12:15	Trainee e-Poster & Video Awards	
12:15-13:45	Lunch and Exhibition	
13:45-15:15	<b>LENTICULE SURGERY, COMPLICATIONS OF LASIK, LASEK, Lenticules</b>	<b>Chairs: Allon Barsam &amp; Tahera Bhojani-Lynch</b>
13:45-14:00	CLEAR surgery	Shady Awwad
14:00-14:15	Addressing Post-LVC Irregular Corneas: Customized Ablation to the rescue	Shady Awwad
14:15-14:30	Ocular surface syndrome-corneal dysesthesia following LASIK	Jorge Alio
14:30-14:45	"Lost Flap"	Andreia Rosa
14:45-15:00	Using OCT tomography to better understand post LVC complications	Shady Awwad
15:00-15:15	Lenticule extraction in large pupil size: what happened?	Mazen Sinjab
15:15-15:30	<b>Tea</b>	
15:30-16:30	<b>IOL COMPLICATIONS, BIOMETRY IN CHALLENGING CASES</b>	<b>Chairs: Mayank Nanavaty &amp; Valerie Saw</b>
15:30-15:45	Treatment of neuroadaptation failure by IOL exchange for another multifocal IOL of a different optical technology	Jorge Alio
15:45-16:00	"What did I miss?"	Mazen Sinjab
16:00-16:10	Biometry in difficult cases	Laura de Benito-Llopis
16:10-16:20	Challenging refractive lens exchange procedures	Mayank Nanavaty
16:20-16:30	Discussion	
16:30	<b>Meeting Close</b>	

Saturday  
2nd July 2023



# YOUNG OPHTHALMOLOGIST SESSION



**Masara Laginaf**

## 09:00 CORNEAL REFRACTIVE SURGERY

Masara Laginaf MBBS BSc (Hons), FRCOphth, Cert LRS is double fellowship trained consultant ophthalmic surgeon at OCL Vision, specialising in cornea, cataract and refractive surgery. She provides bespoke refractive surgery solutions including laser vision correction, ICL and premium IOL technology. In her previous role as locum consultant, she oversaw the tertiary corneal service and fellowship programme at Luton and Dunstable University Hospital. She established the import of US corneal tissue for transplantation and innovative amnion technology for corneal healing. She is an active member of the RCOphth surgical skills faculty and Cert LRS subcommittee. Miss Laginaf is an invited speaker both nationally and internationally, and is a key opinion leader for Rayner.



**Ahmed Bardan**

## 09:20 LENS BASED REFRACTIVE SURGERY

Following Ophthalmology residency at Alexandria University in Egypt, Ahmed joined the team at Sussex Eye Hospital, Brighton, UK for a fellowship in Cornea and Anterior Segment diseases. Appointed as a Consultant Ophthalmologist by St James University Hospital, Leeds, and honorary lecturer of Ophthalmology at Leeds University May 2021

He is an experienced laser and lens refractive surgeon. Certified by the Royal College of Ophthalmologists (CertLRS October 2021) Was awarded PhD in Ophthalmology by Alexandria University (September 2020)

Round table

## 09:40 HOW TO START DOING REFRACTIVE SURGERY

The UK Cross-linking Consortium, established in 2013 with funding from the Medical Research Council, provides a forum for ophthalmologists, optometrists, and vision scientists to develop translational research collaborations for the advancement of cross-linking therapy.

If you wish to become a member, please contact Dr Sally Hayes ([hayess5@cardiff.ac.uk](mailto:hayess5@cardiff.ac.uk)) or Dr Siân Morgan ([morganS51@cardiff.ac.uk](mailto:morganS51@cardiff.ac.uk)), providing your name, occupation and institution. The UK CXL Consortium is free to join.

For further information, please visit: [cardiff.ac.uk](http://cardiff.ac.uk).



# UK-CXL CONSORTIUM SESSION



Siân Morgan

## 10:45 THE IMPACT OF CORNEAL RINSING AND RIBOFLAVIN REPLENISHMENT DURING CORNEAL CROSS- LINKING

Dr Siân Morgan obtained a BSc Honours degree in Biochemistry with Molecular Biology (Cardiff University, 2006) before completing an MSc in Biomedical Sciences Research (University of Bristol, 2009), a Postgraduate Certificate in Education (PGCE) in Secondary Science (Swansea Metropolitan University, 2010) and a PhD in Vision Science (Cardiff University, 2014). Siân is currently a Research Associate working within the Structural Biophysics Group in the School of Optometry and Vision Sciences, Cardiff University.

Based on the 2019 UK-CXL Survey of Corneal Cross-linking (CXL) patterns in the UK which identified numerous variations in CXL practices between centres, a series of ex vivo laboratory studies were carried out to examine the impact of corneal rinsing and riboflavin replenishment on CXL effectiveness. Using tissue enzymatic resistance as a measure of CXL effectiveness and confocal microscopy to assess stromal riboflavin penetration, it was found that a brief rinse of the cornea prior to UVA exposure (to remove surface riboflavin) had no impact on cross-linking effectiveness. However, both stromal riboflavin and CXL effectiveness were significantly reduced when very high rinse volumes were used. The replenishment of riboflavin mid-way through the CXL procedure did not significantly increase CXL effectiveness but, with continuous UVA exposure, did help to maintain tissue thickness during treatment.



**Seema Anand**

## **11:00 REPEAT CXL AFTER FAILURE OF PRIMARY CXL IN KERATOCONUS: 10 YEARS OF REPEAT CXL**

Seema Anand specialises in complex external eye disease, cornea and refractive surgery. She was appointed as a Consultant Ophthalmologist at South Tees NHS Trust in 2009. She moved to her current post at St James's University Hospital Leeds in 2015, where she is the Lead Clinician for Ophthalmology and the Lead for Cornea and Refractive surgery.

She did her primary ophthalmology training in London and West Midlands followed by higher surgical training in West Yorkshire. She undertook advanced subspecialty training in cornea and refractive surgery at Flinders Medical Centre in Adelaide, Australia and Moorfields Eye Hospital in London.

Her professional activities include an NHS practice providing tertiary referral service for complex external eye disease, corneal and refractive surgery and private practice specialising in laser and lens-based refractive surgery. Her areas of special interest include keratoconus and complex corneal transplantation. She has over 50 presentations and publications spanning the field of cornea and external eye disease.





**Mor Dickman**

### **11:15    ADVANCES IN WST11/NIR CROSS-LINKING**

I am an experienced ophthalmologist and anterior segment specialist with expertise in corneal transplantation, ocular surface diseases and complex lens pathologies. My clinical research focuses on improving patient outcomes after corneal transplantation, cataract and refractive surgery. My fundamental and translational research interests include regenerative medicine, with a focus on cell therapies to regenerate the cornea, and the use of photodynamic cross-linking therapies for the treatment of keratoconus and myopia. My presentation will focus on recent advances in WST11/NIR therapy, and its potential use as a safe and highly targeted approach for the prevention of myopic axial elongation.



**Farhad Hafezi**

### **11:30    FROM SLIT LAMP-BASED EPI-ON CROSS-LINKING TO PACE (2ND GENERATION CUSTOMIZED CXL)**

Prof. Hafezi's primary focus is medical and refractive corneal surgery, particularly the management of refractive laser surgery complications and the treatment of corneal ectatic disorders. He was instrumental in the clinical development and international establishment of corneal cross-linking (CXL) for the treatment of keratoconus, ectasia after LASIK and infectious keratitis.

In 2010, Prof. Hafezi was appointed to the University of Geneva, where he headed the Ophthalmic Clinic until 2014 as Chairman and Full Professor.

Since 2002 he has been actively involved in corneal research and was instrumental in the clinical development of CXL for the treatment of keratoconus. His work has helped expand the application of CXL to children and other corneal ectactic disorders like post-LASIK ectasia and Terrien Marginal Degeneration, and also for the treatment of corneal infections and ulcers.

# CORNEA SESSION



Shady Awwad

## 11:45 CAIRS FOR KERATOCONUS

Prof. Shady Awwad (Head of Cornea & Refractive Surgery, American University of Beirut) is a prominent figure in ophthalmology, known for his innovative work in refractive and corneal surgery.

Prof. Awwad utilizes the FEMTO LDV Z8 (Ziemer), an advanced femtosecond laser system, for various applications, including refractive procedures like CLEAR or therapeutic procedures, such as CAIRS, as well as cataract. Additionally, he has contributed to the development of CLEAR, a lenticule treatment for myopia and astigmatism, integrated into the FEMTO LDV Z8. His scientific publications further demonstrate his commitment to advancing ophthalmic surgery.





## 12:00 AI FOR DIAGNOSIS OF KERATOCONUS AND PROGRESSION

Ophthalmologist at the Cornea and Refractive Surgery Section of the University Hospital of Coimbra, Portugal, since 2010.

PhD in Health Sciences in 2017 by the Faculty of Medicine of the University of Coimbra and invited Assistant Professor of Ophthalmology at the same faculty. Internship at Mayo Clinic, Rochester (USA) in 2003 and Honorary Fellow at Moorfields Eye Hospital, London, in 2008.

Keratoconus is a disease with multiple treatments and no consensual guidelines on the best therapeutic options. There is a large amount of data that needs to be evaluated and compared throughout the years for each eye of each keratoconus patient. AI may improve the diagnosis, classification, progression detection, treatment recommendation and outcomes evaluation of patients at different keratoconus stages.

There is a need for larger, open-access and user-friendly databases, and the ESCRS-EUKOR project aims precisely at bridging this gap.



**Andreia Rosa**

**“Gain insightful  
knowledge from  
the world’s top  
professionals”**





**Mazen Sinjab**

### **12:15 CORNEAL TOMOGRAPHY – DEFINING CUT OFFS FOR KC PROGRESSION**

MD, MSc, ABOphth, PhD, FRCOphth (London), CertLRS (London). Consultant Ophthalmic Surgeon. Consultant Cornea, Anterior Segment, and Refractive Surgery. Dr. Sulaiman Al Habib Hospital, DHCC, Dubai. Founder and President of Sinjab Academic Consultancy FZE, UAE. Chief Co-Founder and General Secretary of the International Keratoconus Society.

This talk will cover the criteria of progression and the predisposing factors, in addition to observation of the crosslinked cornea and the reasons of progression despite CXL.



**Shady Awwad**

### **12:30 COMPLICATIONS OF CORNEAL RING SEGMENTS AND STRATEGIES FOR MANAGEMENT**

Dr. Shady Awwad is a professor of Clinical Ophthalmology and the head of the cornea & refractive surgery division at the American University of Beirut Medical Center. He received the George Waring Medal for editorial excellence from the Journal of Refractive Surgery, the American Academy of Ophthalmology achievement award, and the US-based Alpha Omega Alpha honor award. He is the co-founder and advisor of Neuralvision FZCO, a company providing AI solutions in Ophthalmology. Shady has long sought to incorporate computer science and data analytics with sound physics and optics principle to enhance his clinical and surgical outcomes in Ophthalmology, and especially in refractive surgery. As a resident, he founded Eyesoftware, inc, developing Palm Pilot Apps to calculate intraocular lenses in cataract patients, and to help plan strabismus surgeries, among others. He also founded eyeweb.org (2000-2016) to help medical students better understand and learn about Ophthalmology.



**Vincenzo Maurino**

## 12:45 DMEK PEARLS

Consultant Ophthalmic Surgeon Corneal and Refractive Surgical Department. Director Cataract Surgical Services Moorfields Eye Hospital London UK.

Vincenzo Maurino is an Italian-British Ophthalmologist who is a Senior Consultant Ophthalmologist and Director of the Cataract Services at Moorfields Eye Hospital in London. He is also Visiting Professor for Corneal and Refractive surgery at the University of Rome Tor Vergata. His special areas of specialist interests are cataract surgery and corneal surgery as well as refractive surgery. Descemet Membrane Endothelial Keratoplasty (DMEK) is the cutting-edge surgical technique that has revolutionized the treatment of corneal endothelial dysfunction.

I will provide an overview of DMEK, discussing the technical and surgical complexities of graft preparation, graft insertion and graft opening with video examples. I will illustrate key points to standardize DMEK surgery and avoiding upside down graft. I will review the successful use of DMEK in complex cases.



# CHARLES MCGHEE MEDAL LECTURE

## Therapeutic refractive surgery for keratoconus



**Jorge Alió**

Keratoconus was formerly a solid contraindication for refractive surgery, due to its pathological profile, variable refractive error, susceptibility to develop serious visual handicap and corneal blindness and the unpredictability of the results based on these issues.

Keratoconus has evolved over the last 20 years into one of the main vectors to move corneal surgery ahead. The inclusion and results supported by evidence of techniques such as collagen crosslinking, intracorneal ring segments, and others emerging such as stromal enhancing techniques, have moved keratoconus into another level in which corneal graft can be avoided. In this innovative process environment, one of the problems raised by keratoconus once it is stable and controlled is the high refractive error many times present in such eyes and the binocularity problems created by them, as anisekonia frequently happens in these patients.

In this presentation, we shall present the evidence as to how combining techniques to stabilize keratoconus, corneoplastic techniques, and refractive surgery can accomplish outstanding results, reaching good levels of spontaneous vision and avoiding corneal graft or other major corneal procedures. The use of intraocular refractive surgery with customized phakic IOLs and pseudophakic IOLs in cases of lens surgery is one of the alternatives. The use of corneal wavefront guided treatments, either based on total wavefront or corneal wavefront are obtaining outstanding results today. this new application of refractive surgery, which is therapeutic in keratoconus, is clearly a step forward in the treatment of this disease and accomplishes good functional vision in these patients.

# PROS & CONS OF IOL TECHNOLOGY



Johnny Moore

## 15:30 PROS & CONS OF ARTI SYMBIOSE PLUS CASE FOR DISCUSSION

Professor Johnny Moore is a highly respected Consultant Ophthalmic Surgeon and Clinical Director of Cathedral Eye Clinic, specialising in ocular surface reconstruction, laser refractive surgery, cataract and other intra-ocular eye surgery and has personally completed approximately 25,000 treatments.





**Francesco  
Carones**

### **15:40 PROS & CONS OF HOYA IMPRESS PLUS CASE FOR DISCUSSION**

Francesco Carones, MD was born in Italy in 1963. He graduated in 1988 at the University of Milan, Italy, where he attended the Department of Ophthalmology as resident. In 1992 he took a clinical training period focused on refractive surgery at Emory University, Atlanta GA, USA. Formerly he was Assistant Professor of Ophthalmology and Director of Refractive Surgery at the Department of Ophthalmology and Visual Sciences, S. Raffaele Hospital, University of Milan, Italy. Now in private practice, Dr. Carones is co-founder, Medical Director and Physician CEO (Kellogg School of Management, Northwestern University, Evanston, Ill. USA) of Advalia Vision (formerly Carones Vision) at Advalia in Milan, Italy where he performs mainly lens replacement and refractive surgery.

Dr. Carones serves as Member of the Advisory Board of major ophthalmic companies (Alcon, Johnson & Johnson Vision, Hoya, WaveLight).



**Masara Laginaf**

### **15:50 PROS & CONS OF VIVITY VERSUS EMV PLUS CASE FOR DISCUSSION**

Masara Laginaf MBBS BSc (Hons), FRCOphth, Cert LRS is double fellowship trained consultant ophthalmic surgeon at OCL Vision, specialising in cornea, cataract and refractive surgery. She provides bespoke refractive surgery solutions including laser vision correction, ICL and premium IOL technology. In her previous role as locum consultant, she oversaw the tertiary corneal service and fellowship programme at Luton and Dunstable University Hospital. She established the import of US corneal tissue for transplantation and innovative amnion technology for corneal healing. She is an active member of the RCOphth surgical skills faculty and Cert LRS subcommittee. Miss Laginaf is an invited speaker both nationally and internationally, and is a key opinion leader for Rayner.



**Amir Hamid**

### **16:00 PROS & CONS OF FINEVISION PLUS CASE FOR DISCUSSION**

Amir is a London based cataract and refractive surgeon with a special interest in presbyopia correction, laser cataract surgery and laser vision correction. He is on the GMC Specialist Register for Ophthalmology and possesses both the Fellowship of the Royal College of Ophthalmologists (FRCOphth) and the Certificate in Laser & Refractive Surgery (CertLRS). After his Fellowship level subspecialty training in Cornea and Anterior Segment he was appointed to a Consultant post at the North East London NHS Treatment Centre in 2011. Amir is on the Medical Advisory Boards of several leading companies in the Cataract and Surgery field and also publishes and presents regularly at International Cataract and Refractive Surgery meetings.



**Hatch  
Mukherjee**

### **16:10 PROS & CONS OF IC-8 SMALL APERTURE IOL PLUS CASE FOR DISCUSSION**

Mr. Hatch Mukherjee is an internationally recognized consultant ophthalmologist based at Colchester Eye Centre, and founder of [TheVIsionSurgeon.co.uk](http://TheVIsionSurgeon.co.uk). Specializing in laser eye surgery, advanced cataract lens replacement, corneal transplants, and glaucoma surgery, he is one of the few surgeons globally to complete advanced international training fellowships in all of these areas.

Discussion regarding the indications, pros and cons of small aperture IOLs with a focus on therapeutic indications, including a case study



**16:20 PROS & CONS  
OF RAYNER IOL  
PLUS CASE FOR  
DISCUSSION**

Senior Consultant in  
Ophthalmology, Cataract and  
refractive surgeon

Senior Consultant, academic  
teacher and anterior segment  
surgeon at the Department  
of Ophthalmology, Poznan  
University of Medical  
Sciences, Poland (since 2003)

Medical Director, Co-owner  
and creator of the country's  
leading private refractive  
clinic, reOptis, Poznan,  
Poland

Fellow of American Academy  
of Ophthalmology, European  
Society of Cataract and  
Refractive Surgeons, World  
College of Refractive Surgery  
and Visual Sciences, Alcon  
Experience Academy  
Barcelona – member of the  
faculty



**Andrzej  
Dmitriew**





**Jorge Alió**

**16:30 PROS & CONS OF NEW  
ACCOMMODATIVE IOL  
LUMINA, PHASE 3 STUDY PLUS CASE  
FOR DISCUSSION**

Prof. Dr. Jorge Alió MD, PhD, FEBO is Professor and Chairman of Ophthalmology, University Miguel Hernandez, Alicante, Spain, founder of Visum Miranza, Alicante, Spain and the Jorge Alió Foundation for the Prevention of Blindness.

His main research interests include lens, refractive and corneal surgery. Pioneer in the area of multifocal, accommodative and toric IOLs, excimer laser refractive surgery, phakic IOLs and more recently corneal regeneration surgery. Author of over 777 peer review papers in indexed journals, 431 chapters, 97 books, 2813 communications in international congresses. 2023 Hirsch factor (h-factor) of 72 (Scopus).

LXIII chair of the Academia Ophthalmologica Internationalis, XLIX chair of the European Academy of Ophthalmology, President of the ISRS/AAO (2006-2008) member of the American Ophthalmological Society, member of the Board of the European Society of Cataract and Refractive Surgeons and has received over 103 international and national awards.



# MEDICOLEGAL



**Val Roberts**

## **17:30 THE MOST COMMON MEDICOLEGAL ISSUES IN REFRACTIVE SURGERY**

Val graduated with a Joint MA with Honours in Italian and French at Edinburgh University before completing an accelerated Law Degree at the same University in 1992.

Since 1993 she has worked exclusively on behalf of claimants in clinical negligence and personal injury cases. She is well known in Scotland as one of the most experienced specialist solicitors in her field and has in the past held management roles that include being the partner in charge of the Scottish office of a large UK-wide firm that handles both pursuit and defence of claims. She has spoken on the topic of informed consent to an international multidisciplinary audience of surgeons and has also lectured solicitors on the differences between Scots and English law relating to negligence. Currently she is employed in a consulting role and for the past 5 years has dealt exclusively with claims arising from refractive surgery.



**Emily  
McQuilkin**

## **17:45 CAN YOU AVOID MEDICAL LITIGATION?**

Emily is a qualified solicitor and has been working at insurance broker Arthur J Gallagher for nearly five years. In this role, she works closely with the AOOSIS Board and our ophthalmology clients on a wide range of advisory, regulatory and clinical negligence matters, as well as undertaking a range of other healthcare and healthcare adjacent insurance work.

Emily will be discussing whether it is possible to avoid clinical negligence litigation, and discussing some of the most common pitfalls for practitioners from her perspective as an in-house solicitor at insurance broker, Arthur J Gallagher.

# Sunday

23rd June 2024



# WHICH TREATMENT FOR THIS PATIENT?

## 09:00 Interactive Quiz & Peer Discussion with Optometrists and Ophthalmologists



**Clare O'Donnell**

Professor Clare O'Donnell is Head of Eye Sciences and Optometry at Optegra Eye Health Care, Reader at Aston University and Honorary Professor in Optometry at the University of Manchester. She is currently Vice President for the British Society of Refractive Surgery. Her research interests are in the field of anterior eye and cataract and refractive surgery. She has given invited lectures and seminars throughout Europe and North America and she has published around 80 scientific papers and educational articles and five book chapters.



**Tahera Bhojani-Lynch**

Dr Tahera Bhojani-Lynch is a Senior laser refractive surgeon at Optimax Eye Surgery Specialists. She is Optimax's longest serving laser refractive surgeon, the first British qualified LASIK surgeon in the UK and the first surgeon to use silicone hydrogel BCL in PRK and LASEK.





**Nabila Jones**

Dr Nabila Jones is an IP qualified optometrist with research and clinical interests. She has worked in academia, in the NHS and the independent sector. She completed her PhD at the University of Aston and is currently Research Associate within the Eye Sciences team at Optegra. She supports in producing outcomes data reports, CPD facilitation and playing an active role in research within the group.



**Purvi Thomson**

Purvi Thomson is an experienced specialist optometrist after completing her training at Aston University. She has worked with OCL Vision since 2014, and has specific training and expertise in working with patients who require vision correction, such as laser eye surgery or RLE. She also has specialist training as an Optometrist to deal with various eye conditions, such as dry eye disease. Purvi gained her Independent Prescribing qualification in 2020.



**Michelle  
Hanratty**

Michelle Hanratty is the lead optometrist at Optegra Birmingham Eye Hospital, seeing patients for pre and post op assessments for cataract and vision correction procedures. She contributes to the management of the optometry team and to the leadership of the hospital. She is a DOCET advisor and presents a monthly podcast for the College of Optometrists. She regularly presents at CPD events and has published articles and book chapters on laser vision correction and refractive surgery.

# BSRS MEDAL LECTURE 2024



**Prof Damien  
Gatinel**

## **11:00 BEYOND THE LENS POWER: REFINING IOL CALCULATIONS FOR REFRACTIVE ACCURACY AND PRECISION**

Since 2007, Prof. Damien Gatinel, MD, Ph.D., has held the position of Head of the Anterior and Refractive Surgery Department at the Rothschild Foundation in Paris. Additionally, he serves as an Associate Professor in Ophthalmology at the International University of Health Sciences, located in Rabat, Morocco. His research mainly focuses on IOL optical design, IOL power calculation, mathematical modeling of laser refractive surgical procedures, applications of AI in ocular anterior segment pathology, astigmatism correction, and the detection of subclinical keratoconus. He holds a Ph.D. in applied mathematics and devised a new classification for ocular optical aberrations. He owns several patents, including the first diffractive trifocal IOL design (e.g., FineVision IOL), for which he was discerned with the title Knight of the Order of the Crown from the Kingdom of Belgium. Dr. Gatinel is a board member of the Executive Committee of the International Society of Refractive Surgery (ISRS), the Research Committee of the European Society of Cataract and Refractive Surgery (ESCRS), and the French Society of Refractive and IOL Surgery (SAFIR). He serves on the Editorial Board of the Journal of Refractive Surgery.

# LENTICULE SURGERY, COMPLICATIONS OF LASIK, LASEK, LENTICULES



**Shady Awwad**

## **13:45 CLEAR surgery**

Prof. Shady Awwad (Head of Cornea & Refractive Surgery, American University of Beirut) is a prominent figure in ophthalmology, known for his innovative work in refractive and corneal surgery.

Prof. Awwad utilizes the FEMTO LDV Z8 (Ziemer), an advanced femtosecond laser system, for various applications, including refractive procedures like CLEAR or therapeutic procedures, such as CAIRS, as well as cataract. Additionally, he has contributed to the development of CLEAR, a lenticule treatment for myopia and astigmatism, integrated into the FEMTO LDV Z8. His scientific publications further demonstrate his commitment to advancing ophthalmic surgery.

## **14:00 ADDRESSING POST-LVC IRREGULAR CORNEAS: CUSTOMIZED ABLATION TO THE RESCUE**





**Jorge Alio**

### **14:15 USING OCT TOMOGRAPHY TO BETTER UNDERSTAND POST LVC COMPLICATIONS**

Prof. Dr. Jorge Alio MD, PhD, FEBO is Professor and Chairman of Ophthalmology, University Miguel Hernandez, Alicante, Spain, founder of Visum Miranza, Alicante, Spain and the Jorge Alió Foundation for the Prevention of Blindness.

His main research interests include lens, refractive and corneal surgery. Pioneer in the area of multifocal, accommodative and toric IOLs, excimer laser refractive surgery, phakic IOLs and more recently corneal regeneration surgery. Author of over 777 peer review papers in indexed journals, 431 chapters, 97 books, 2813 communications in international congresses. 2023 Hirsch factor (h-factor) of 72 (Scopus).



**Andreia Rosa**

### **14:30 “LOST FLAP”**

Ophthalmologist at the Cornea and Refractive Surgery Section of the University Hospital of Coimbra, Portugal, since 2010.

PhD in Health Sciences in 2017 by the Faculty of Medicine of the University of Coimbra and invited Assistant Professor of Ophthalmology at the same faculty. Internship at Mayo Clinic, Rochester (USA) in 2003 and Honorary Fellow at Moorfields Eye Hospital, London, in 2008.

Winner of the Pfizer Award / Society of Medical Sciences of Lisbon for the best clinical research work and of the European Society of Cataract and Refractive Surgeons (ESCRS) Clinical Research Awards in 2016. Winner of the ESCRS Obstbaum Award for the best clinical research paper published in the Journal of Cataract and Refractive Surgery in 2017.



**Shady Awwad**

### **14:45 USING OCT TOMOGRAPHY TO BETTER UNDERSTAND POST LVC COMPLICATIONS**

Dr. Shady Awwad is a professor of Clinical Ophthalmology and the head of the cornea & refractive surgery division at the American University of Beirut Medical Center. He received the George Waring Medal for editorial excellence from the Journal of Refractive Surgery, the American Academy of Ophthalmology achievement award, and the US-based Alpha Omega Alpha honor award. He is the co-founder and advisor of Neuralvision FZCO, a company providing AI solutions in Ophthalmology. Shady has long sought to incorporate computer science and data analytics with sound physics and optics principle to enhance his clinical and surgical outcomes in Ophthalmology, and especially in refractive surgery. As a resident, he founded Eyesoftware, inc, developing Palm Pilot Apps to calculate intraocular lenses in cataract patients, and to help plan strabismus surgeries, among others. He also founded eyeweb.org (2000-2016) to help medical students better understand and learn about Ophthalmology.



**Mazen Sinjab**

### **15:00 LENTICULE EXTRACTION IN LARGE PUPIL SIZE: WHAT HAPPENED?**

MD, MSc, ABOphth, PhD, FRCOphth (London), CertLRS (London). Consultant Ophthalmic Surgeon. Consultant Cornea, Anterior Segment, and Refractive Surgery. Dr. Sulaiman Al Habib Hospital, DHCC, Dubai. Founder and President of Sinjab Academic Consultancy FZE, UAE. Chief Co-Founder and General Secretary of the International Keratoconus Society.

Two cases of difficult dissection will be presented showing the factors behind the difficulty and how they were managed properly. They will highlight the importance of selecting a proper diameter of the cap cut, the risk of being peripheral near the limbus, and the depth of the cut.

# IOL COMPLICATIONS, BIOMETRY IN CHALLENGING CASES



**Jorge Alio**

## **15:30 TREATMENT OF NEUROADAPTATION FAILURE BY IOL EXCHANGE FOR ANOTHER MULTIFOCAL IOL OF A DIFFERENT OPTICAL TECHNOLOGY**

Prof. Dr. Jorge Alio MD, PhD, FEBO is Professor and Chairman of Ophthalmology, University Miguel Hernandez, Alicante, Spain, founder of Vissum Miranza, Alicante, Spain and the Jorge Alió Foundation for the Prevention of Blindness.

His main research interests include lens, refractive and corneal surgery. Pioneer in the area of multifocal, accommodative and toric IOLs, excimer laser refractive surgery, phakic IOLs and more recently corneal regeneration surgery. Author of over 777 peer review papers in indexed journals, 431 chapters, 97 books, 2813 communications in international congresses. 2023 Hirsch factor (h-factor) of 72 (Scopus).

LXIII chair of the Academia Ophthalmologica Internationalis, XLIX chair of the European Academy of Ophthalmology, President of the ISRS/AAO (2006-2008) member of the American Ophthalmological Society, member of the Board of the European Society of Cataract and Refractive Surgeons and has received over 103 international and national awards.

He is the creator and Director of the online International Specialization Course in Refractive, Cornea and Lens Surgery (University Miguel Hernandez). Fellows from all over the world come to his research facilities to be trained under his supervision.



**Mazen Sinjab**

### 15:45 “WHAT DID I MISS?”

MD, MSc, ABOphth, PhD, FRCOphth (London), CertLRS (London). Consultant Ophthalmic Surgeon. Consultant Cornea, Anterior Segment, and Refractive Surgery. Dr. Sulaiman Al Habib Hospital, DHCC, Dubai. Founder and President of Sinjab Academic Consultancy FZE, UAE. Chief Co-Founder and General Secretary of the International Keratoconus Society.

A case of post-cataract surprise will be presented to highlight the importance of an investigation that should be done as a routine to avoid wrong Biometry.



**Laura De Benito**

### 16:00 BIOMETRY IN DIFFICULT CASES

Ms Laura de Benito-Llopis is a Consultant Ophthalmic Surgeon specialising in cornea, cataract and lens and laser refractive surgery.

Ms de Benito-Llopis completed her ophthalmology residency in Madrid, Spain, and was fellowship trained in cornea, lens and laser eye surgery in Madrid with Prof. Jorge Alió and at Moorfields Eye Hospital, London. She was awarded a PhD with honours for her thesis on corneal wound healing and the use of mitomycin C in laser eye surgery. She spent 6 months as a clinical associate at the Singapore National Eye Centre. She worked at the Anterior Segment department at St Thomas' Hospital from 2012 to 2016, and then was appointed substantive consultant in the Cornea and External Disease department at Moorfields Eye Hospital in October 2016. She moved her private practice to OCL Vision in 2021.

Ms de Benito-Llopis is the clinical lead for the graft database and the Moorfields Eye Bank, and has been awarded a Clinical Excellence Award in recognition for her work in developing a system to track the outcomes of corneal transplant surgery.



**Mayank  
Nanavaty**

## **16:10 CHALLENGING REFRACTIVE LENS EXCHANGE PROCEDURES**

I am a cataract, cornea and refractive surgery Consultant at the Sussex Eye Hospital, Brighton & Sussex University Hospitals NHS Trust, Brighton and honorary senior clinical lecturer at the Brighton & Sussex Medical School.

My areas of clinical interests are medical and surgical cornea, external eye disease, cataract and refractive surgery. I am the lead for cataract, corneal crosslinking, contact lens & research departments at the Sussex Eye Hospital. I have received several research grants from the prestigious institutions and industry to conduct clinical studies in the National Health Services (NHS). My areas of research interest include, astigmatism, wavefront aberrations, ectatic corneal disorders, endothelial disease, lamellar corneal transplant surgeries, quality of vision in pseudophakes, cataract surgical techniques, intraocular lenses and posterior capsule opacification. I regularly publish and have several publications including randomized controlled trials, Cochrane review, case-control studies, cohort studies and retrospective studies in high impact peer-review literature and over 300 national and international presentations. I regularly contribute as an organizer, committee member, panelist or faculty at several national and international ophthalmology meetings and organizations including the ESCRS, ASCRS, AAO, RCOphth, BSRS, etc. I am a member of Scientific Committee, the Senior Examiner for Certificate of Laser refractive Surgery Examination committee and Cataract surgery workforce committee at the Royal College of Ophthalmologists. I am on the UKISCRS council since 2014 and has been the programme lead for UKISCRS since 2018 and Hon. Secretary since January 2021. I am an external examiner at Ulster University.

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- Lamellar Keratoplasty
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  - BBDALK
  - FLACS





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