



# Indore Divisional Ophthalmological Society

Where vision Meets Legacy : 50 Strong Years



Boundless Excellence

Workshop  
ON

# REFRACTIVE SURGERY

## FROM BASICS TO ADVANCED.



Sunday,  
**26<sup>th</sup> October, 2025**  
8:30 am to 2:00 pm



Brilliant Convention Centre,  
Indore.

### FACULTY LEADS



**DR ROHIT SHETTY**

Workshop Chair &  
Moderator across sessions



**DR AMIT PORWAL**

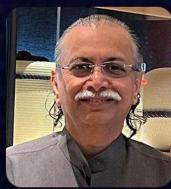
Lead programme  
coordinator



**DR SHRUTI MARU**

Coordinator

### NATIONAL FACULTY:



**DR CHANDRASHEKHAR  
WAVIKAR**



**DR NATASHA PAHUJA**



**DR AARTI AGRAWAL**



**DR ABHA SHAH**



**DR VIBHA SINGH**

# HIGHLIGHTS OF THE MEETING

- Complex cornea & diagnostics
- Planning Recorrection on an unhappy patient
- Ray tracing & custom ablation
- Zone enlargement
- Wave light plus / Schwind customization / IVIS Cipta
- Trehalose, Cyclosporine, Resveratrol, omega 3 drops & more in post operative wound healing.
- Video based discussion on lenticule extraction.
- What I should know before I plan to buy a lenticule platform.
- Difficult cases & planning.

## COMPLEX CORNEA & LENTICULE SURGERY

### DEFINING THE COMPLEX CORNEA FOR THE REFRACTIVE SURGEON IN 2025

- Role of advanced diagnostics, aberrometry, and biomechanics in 2025

### KEY CONSIDERATIONS IN REFRACTIVE SURGERY

- Should I invest in epithelial maps?
- Algorithm for choosing the right procedures today
- Deciding between truth and noise in modern refractive practice

## ADVANCEMENTS IN SURFACE ABLATION

- ⇒ Perfecting PRK in 2025

## LIVE PLANNING OF CUSTOMIZED TREATMENTS (SCHWIND & CONTOURA)

- ⇒ Recorrection strategies
- ⇒ Zone enlargement techniques

## OPTIMIZING OUTCOMES IN LENTICULE SURGERY

- ⇒ Understanding energy and spot profiles in lenticule-based procedures
- ⇒ Smart lubricants & immunomodulators  
For pre- & post-operative healing
- ⇒ The impact of trehalose, cyclosporine, resveratrol and omega 3 drops on corneal healing and dry eye management.

## CURRENT LENTICULE PLATFORMS & THEIR UNIQUENESS

- ⇒ Video-based discussion: Mastering lenticule surgery
- ⇒ VisuMax SMILE
- ⇒ Elita silk
- ⇒ Schwind atos
- ⇒ Ziemer clear
- ⇒ Achieving the perfect 20/20 wow vision with lenticule surgery
- ⇒ Bring your complex cases for expert opinion and discussion !



Format: Plug-and-play videos + case-based discussions (5 min talk + 5 min discussion)



## SESSION 1: **DIAGNOSTICS & PLUG-AND-PLAY PLATFORMS.**

**Focus: Foundation for refractive decision-making.**

### **Plug-and-Play Demonstrations:**

- ⇒ **Pentacam** – tomography, elevation, pachymetry basics.
- ⇒ **Corvis ST** – biomechanics and stress-strain index.
- ⇒ **MS-39 (anterior segment OCT)** – epithelial mapping and stromal evaluation.
- ⇒ **Interesting Cases** : screening & diagnostic dilemmas.

## SESSION 2: **MODERN-DAY REFRACTIVE SURGERY WITH EXCIMER LASERS.**

**Focus: Technology-driven precision planning.**

### **Platforms & Planning Tools:**

- ⇒ **Contoura Vision.**
- ⇒ **Wavelight Plus customization.**
- ⇒ **Schwind–Amaris planning options.**
- ⇒ **Plug-and-Play Case Videos showing step-by-step planning and outcomes.**

## SESSION 3: PLANNING THE PERFECT PRK

Focus: Surface ablation science & clinical art.

- ⌚ Patient selection & contraindications.
- ⌚ Wound healing biology & adjuncts.
- ⌚ Managing haze, regression, and thin corneas.
- ⌚ Interactive Clinical Cases: healing challenges, long-term outcomes.

## SESSION 4: LENTICULE EXTRACTION WORKSHOP

Focus: SMILE and lenticule-based procedures.

### Platforms :



ZEISS VisuMax SMILE



Elita SILK Lenticule



SCHWIND ATOS



Ziemer FEMTO platforms

- ⌚ Video-Based Outcomes: surgical nuances, complications, and enhancements
- ⌚ Potpourri of cases of refractive surgery dilemma.

## SESSION 5: CHALLENGING CASES – FROM CLINICS TO BIOLOGY.

Focus: Translating cases into biological understanding

### Case-based discussions:

- ⊖ Epithelial remodeling after refractive surgery
- ⊖ Biomechanical failures and ectasia spectrum
- ⊖ Delayed healing / neurotrophic issues
- ⊖ Open discussion.

### Local Faculty: Panelist / Speakers

Dr Rajiv Chaudhary | Dr Shardini Vyas | Dr Satish Premchandani  
Dr OP Agarwal | Dr Aditya Agarwal | Dr Suhas Bande  
Dr Sandeep Chaurasia | Dr Bharat Jain | Dr Safi Modiwala  
Dr Rajeev Hardia | Dr Rajendra Malviya | Dr Kavita Porwal  
Dr Prashant Bhartiya | Dr Arpit Sharma | Dr Pratik Tiwari  
Dr Harsh Mone | Dr Sachin Arya | Dr Urvija Chaudhary  
Dr Shruti Maru | Dr Trusha Agrawal | Dr Nikunj Tak  
Dr Aanchal Agarwal | Dr Palak Agrawal | Dr Saurabh Jain



**DR AMIT PORWAL**

President, IDOS



**DR SHRUTI MARU**

Clinical Secretary, IDOS



**DR SUMEET AGRAWAL**

Hon Secretary, IDOS

Workshop  
Supported by

