

# ASCRS•Virtual Annual Meeting 2020

## Scientific papers and posters by SCHWIND users

**Virtual ASCRS Paper Session: SPS-115 - Refractive Procedure Comparisons: PRK, LASIK**  
Saturday, May 16th, 2020: 07:30 to 09:00 AM; VM-1, Virtual Room 8

**Ritika Dalal, MBBS, DNB (09:05 AM)**

Contralateral Evaluation of Epithelial Remodelling and Long-Term Outcomes of Single Step Trans PRK on Different Excimer Laser Platforms (SCHWIND AMARIS 1050RS, SmartSurf<sup>ACE</sup>)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/66629>

**Virtual ASCRS Paper Session: SPS-109 - Keratorefractive complications**  
Saturday, May 16th, 2020: 07:30 to 09:30 AM; VM-1, Virtual Room 7

**Mukhtar Bizrah, MBBS, FRCOphth (07:40 AM)**

Topography-guided photorefractive keratectomy for correction of irregular astigmatism following penetrating keratoplasty (SCHWIND AMARIS 1050RS)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/62860>

**Simon P. Holland, MD, FRCS (08:50 AM)**

Topography-Guided Photorefractive Keratectomy for Irregular Astigmatism after Radial Keratotomy Using a High-Speed Laser. (SCHWIND AMARIS 1050RS)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/64890>

**Virtual ASCRS Paper Session: SPS-205 - Refractive Procedures: PRK, LASIK, SMILE, Phakic IOLs/Inlays/Rings; Saturday, May 16th, 2020: 10:30 to 12:00 AM; VM-1, Virtual Room 8**

**Mukhtar Bizrah, MBBS, FRCOphth (10:40 AM)**

Meeting high expectations: Trans-Epithelial Photorefractive Keratectomy (TE-PRK) for very low myopic and astigmatic corrections. (SCHWIND AMARIS 1050RS, SmartSurf<sup>ACE</sup>)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/62869>

**Virtual ASCRS Paper Session: SPS-215 – Refractive Procedure Outcomes: PRK, LVC, LASIK**  
Saturday, May 16th, 2020: 01:30 to 03:00 PM; VM-1, Virtual Room 8

**David TC. Lin, MD, FRCS (01:30 PM)**

Immediate visual recovery after photorefractive keratectomy with new laser beam profile (AMARIS 1050RS, SmartSurf<sup>ACE</sup>)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/62871>

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### **Mukhtar Bizrah, MBBS, FRCOphth (01:57 PM)**

Topography-guided photorefractive keratectomy and collagen cross-linking for post-LASIK ectasia (SCHWIND AMARIS 1050RS, TransPRK)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/60556>

### **Adelya N. Karimova, MD, PhD (02:17 PM)**

High-frequency excimer laser platforms for LASIK procedures in low-to-moderate myopia: 1050 Hz vs 1100 Hz (SCHWIND AMARIS 1050RS)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/65891>

### **David TC. Lin, MD, FRCS (02:44 PM)**

Result of trans-epithelial photorefractive keratectomy (PRK) for extreme myopia with high speed excimer laser and advanced laser beam profile (SCHWIND AMARIS 1050RS, TransPRK)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/62855>

### **ASCRS Paper Session: SPS-307 – Keratoconus: Artificial Intelligence/Algorithms, CXL, PRK Saturday, May 16th, 2020: 04:30 to 06:00 PM; VM-1, Virtual Room 5**

### **Simon P. Holland, MD, FRCS (05:13 PM)**

Two-year outcome of topography-guided photorefractive keratectomy with collagen cross-linking for keratoconus (AMARIS 1050RS, TransPRK)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/62876>

### **Ritika Dalal, MBBS, DNB (05:18 PM)**

Long term outcome of topo-guided removal of epithelium in keratoconus (TREK): customized approach of tissue saving ablation in keratoconus (KC) (SCHWIND AMARIS 1050RS)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/66674>

### **ASCRS Electronic Posters**

#### **David TC. Lin, MD, FRCS**

Outcome of photorefractive keratectomy with advanced beam profile for myopia. (SCHWIND AMARIS 1050RS)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/62874>

#### **Emilio A. Torres Netto, MD**

Stromal bed smoothness after excimer laser surface ablation as a key element for the expression of inflammatory genes (SCHWIND AMARIS 750S)

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<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/64172>

**Alex P. Lange, MD**

Topography guided PRK and crosslinking in keratokonus - comparison of 2-year data between different study sites (SCHWIND AMARIS 1050RS)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/65729>

**Wei Zhao, PhD**

A Comparative Study on Correction of Corneal Aberrations By Wavefront-Optimized and Corneal Wavefront-Guided LASIK with Amaris Excimer Laser (SCHWIND AMARIS 750S)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/66205>

**Wei Zhao, PhD**

Comparison of visual quality after LASIK with different diameter corneal flap made by femtosecond laser (SCHWIND AMARIS 750S)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/66243>

### ASCRS Scientific Films. Film category: new techniques

**Pooja Mehta, MBBS, MS**

Topo-Guided Removal of Epithelium in Keratoconus (TREK): A Novel Tissue Sparing Customised Ablation (SCHWIND AMARIS, PTK CAM)

<https://ascrs.confex.com/ascrs/20am/meetingapp.cgi/Paper/66648>