



ANTERIOR



Visually Superior



# ANTERIOR

Capture | Transfer | Analyse

AOS Anterior is a powerful tool aiding diagnosis of Ocular Surface Disease

The user interface is intuitive & responsive

Three specialist modes of analysis

Objective, repeatable & accurate results eliminating variability

Aids patient compliance with personalised treatment plans

Cost-effective with flexible payment options

Validated to the gold standard CCLRU & Efron scales

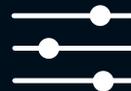
Grading from 0-4 is displayed instantly within the control panel



Automated Grading



In-built Reporting



Enhancement



Import & Export



Objective



Windows

AOS

[www.aos-hub.com](http://www.aos-hub.com)



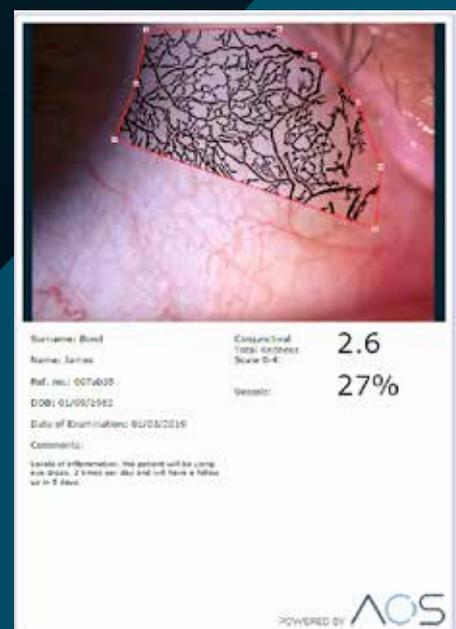
# ANTERIOR

## Modes & Features

	Bulbar Redness Grading from 0-4
	Lid Redness Grading from 0-4
	Fluorescein Punctate Mapping
	Vessel Extraction
	Digital Wratten Filter
	Digital Ruler
	PDF Generator

## Companion App

Images can be captured directly on your smartphone or via your slit lamp adaptor and securely transfer to the AOS anterior platform for analysis.



[www.aos-hub.com](http://www.aos-hub.com)

# Modes

## Anterior's Modes

Anterior has three modes of operation: Bulbar Redness, Lid Redness and Fluorescein. There are also multiple additional features to aid the clinician.

### 1. Bulbar Redness

Bulbar Redness mode provides an objective grading scale for Conjunctival bulbar redness. This mode also highlights and makes clearly visible all the vessels in the captured image.



#### 0-4 Grading

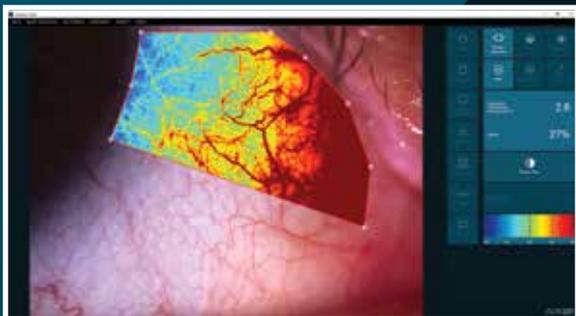
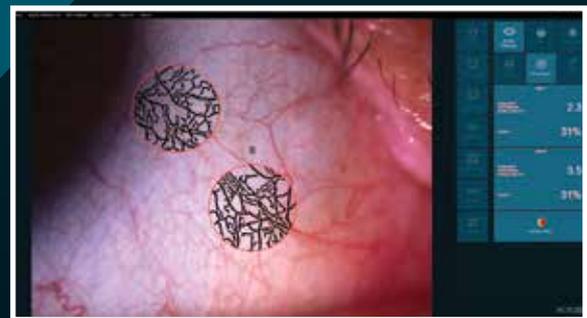
Bulbar Redness is shown on a scale from 0-4 and the vessels extracted are shown as a percentage.

Select an area of interest and Anterior automatically displays the redness grading and number of vessels on the control panel.

#### Comparison

Two separate areas are highlighted on the image allowing both areas to be analysed simultaneously.

The size and shape of the two comparison areas can be easily adjusted.



#### Redness Map

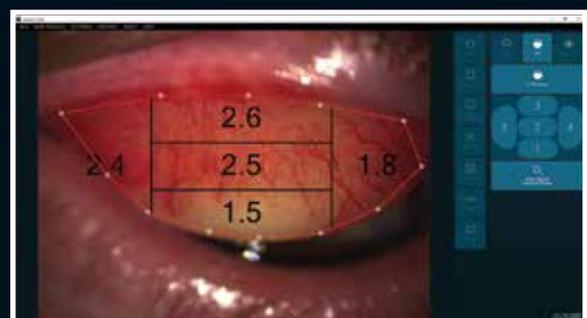
Instantly translates the selected area into a visually striking heat map.

The enhanced image allows visualisation of conditions making them easier to detect.

### 2. Lid Redness

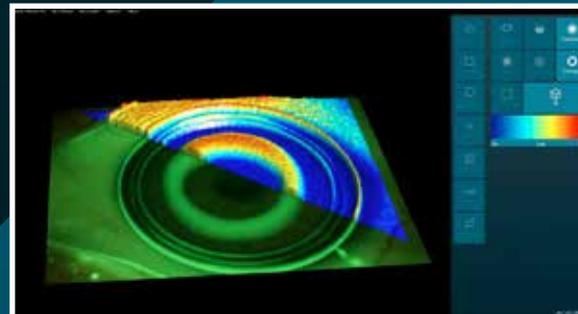
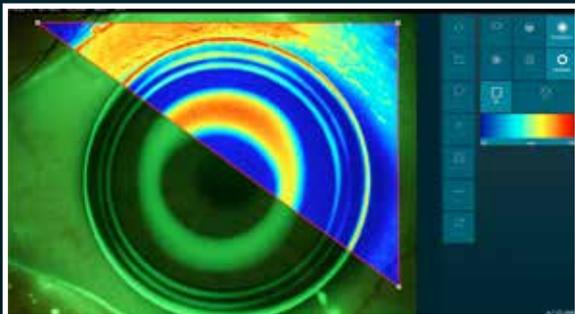
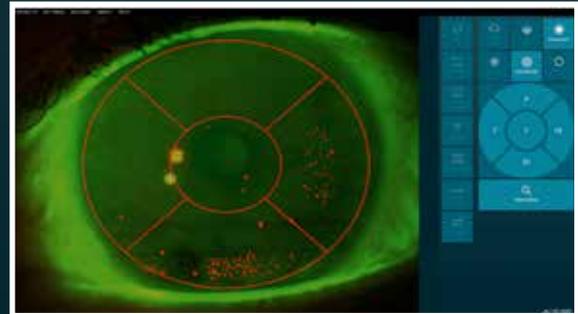
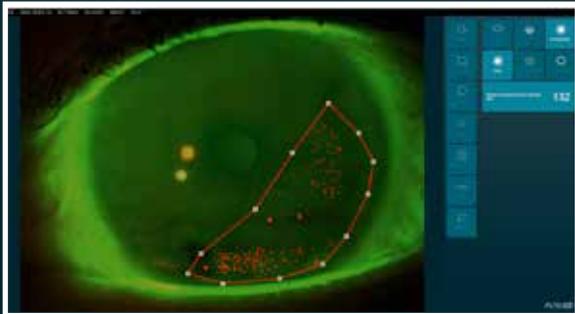
This mode divides the lid into the common 5 zone grid where it analyses the palpebral conjunctival redness for each of the zones.

The tool detects the redness using a 0-4 scale. Simply select the Detect Palpebral Conjunctival Redness icon to have the results displayed for your selected area in the control panel.



### 3. Fluorescein

This mode displays fluorescein punctate mapping. It examines images of the conjunctiva and cornea which have been subjected to staining and conjunctival folding. Select specific areas to analyse or use the common 5 zones corneal grid. The staining results are displayed in the control panel showing the exact number of punctuates.



#### 2D Mapping

This feature allows an area of interest to be selected to assess the fluorescein build up or corneal folds on the cornea.

From blue to red indicating low to high fluorescein accumulation. 2D mapping is a great tool for contact lens fitting.

#### 3D Mapping

Transform the 2D images into 3D visuals. Featuring a movable axis, giving a clearer indication of the amount of fluorescein accumulation.

3D mapping is an excellent tool to show patients an easy to understand visualisation of their condition and lens-fitting technique.

#### Digital Ruler



#### Vessel Extraction



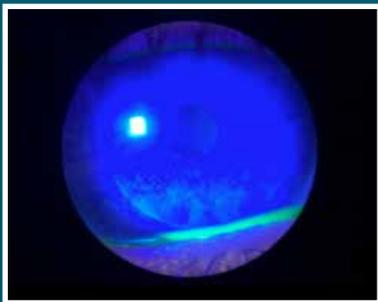
# Case Studies

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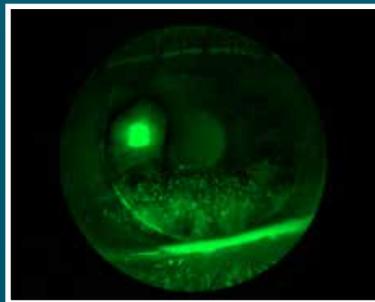


Example images courtesy of Dr. John Gelles - Director of the specialty contact lens division at The Cornea and Laser Eye Institute - Hersh Vision Group and The CLEI Center for Keratoconus.

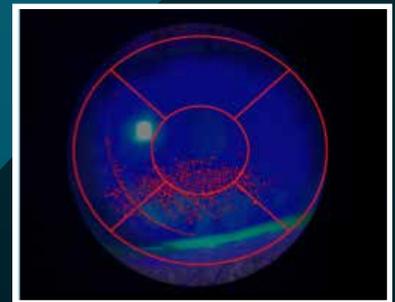
## Case 1: Iatrogenic Dry Eye Post Lasik



On the original image is difficult to view the Superficial punctate keratitis (SPK).



Using the AOS Digital Wratten filter the image is enhanced and the SPK can be clearly viewed.



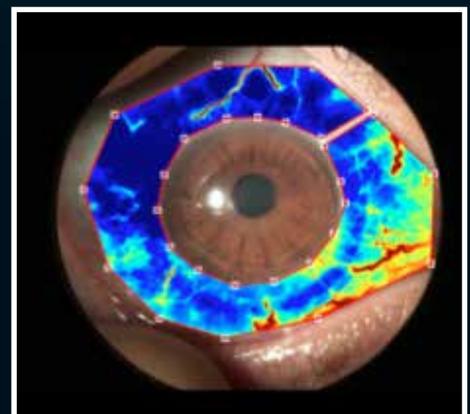
The exact number of punctate stains are automatically counted and displayed in a grid format enabling tracking changes over time.

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## Case 2: Scleral Lens



The original image of a 15.4mm scleral lens shows a relatively well aligned haptic.



Using the Bulbar redness mode clearly highlights the vessel compression at the inferior nasal lens edge.

# Testimonials

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Dr. Brian Tompkins BSc Hons FC Optom

"This software is one of those joyful, new, innovative technologies that comes along. The images that I've been taking for the last 30-40 years with my slit lamp are now taken to another level and its fantastic!"



Dr. Stanley Keys BSc Hons, FCOptom, Dip Glauc, DipTp (IP)

"Anterior is a great way to illustrate to patients what is happening with their ocular surface and to help to get them onboard with your treatment, be it importance of ocular lubrication, lid cleaning or with the choice of a new contact lens material or regime. "



Dr. Sandip Doshi PhD BSc MCOptom

"Anterior provides a unique tool for patient education that allows the patient to take ownership of their condition by giving it a "score" which they can work towards improving via the treatment regiment recommended by the clinician."



Dr. Byki Huntjens PhD, MSc, MCOptom, FHEA and Irene Ctori MSc, MCOptom

"Excellent reliability of the objective and novel Anterior grading system, which is significantly improved in comparison to the subjective grading systems Efron and CCLRU. "





# ANTERIOR

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