



Location
Leicester



Device
MonacoPro



Average daily scans
8

Edmonds & Slatter Opticians' Experience

How MonacoPro Improved Pathology Detection and Streamlined Workflow for Busy UK Practice



Vikesh Chauhan
Lead Optometrist

Like many busy practices, Edmonds & Slatter Opticians faced the familiar challenge of balancing quality patient care with operational efficiency. The traditional imaging workflows often required multiple devices, longer appointments, and complex coordination between staff members. Vikesh Chauhan, the lead optometrist, was seeking to further optimise workflow, minimise patient movement between devices, and support confident, time-efficient diagnoses.

Having worked extensively with the Daytona and Monaco platforms since 2017, Mr. Chauhan was familiar with the superior diagnostic capabilities of Optos' ultra-widefield (UWF) **optomap**® imaging. So, when he discovered the new MonacoPro device, he immediately saw its potential to enhance the clinical offering at Edmonds & Slatter.

MonacoPro integrates single-capture 200° UWF **optomap** imaging with spectral-domain optical coherence tomography (SD-OCT) of the macula, facilitating comprehensive retinal imaging in a single session using just one device. It offers five imaging modalities – **optomap** colour, red/green separation, green autofluorescence, and high-resolution SD-OCT – that can be captured in less than 90 seconds, thereby significantly reducing examination time.

Mr. Chauhan has since introduced MonacoPro into the practice's routine protocols and has already observed tangible improvements in workflow efficiency and patient outcomes.

Immediate Impact: Ease of Use Across the Team

MonacoPro's intuitive interface and short learning curve meant that all members of Mr. Chauhan's diverse team, including optometrists, dispensing opticians and optical assistants, could confidently operate the device with minimal training. Staff already familiar with previous Optos devices adapted particularly quickly.

“ My optical assistants can capture images and scans quickly, my patients appreciate the comfort and speed, and I value the ability to view both macular and peripheral pathology in one quality scan. ”

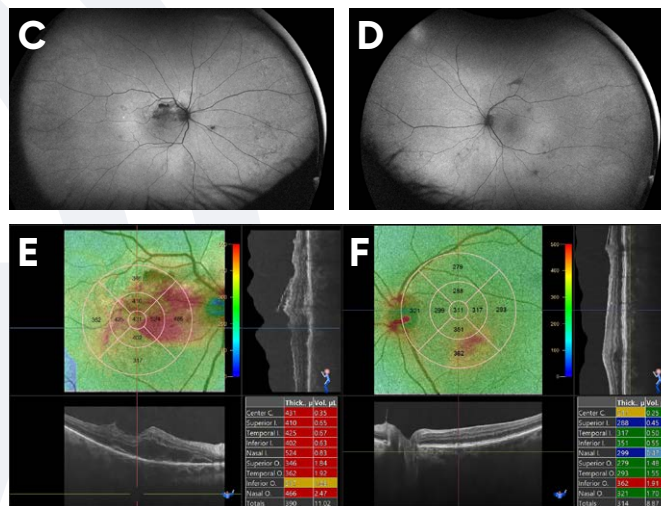
Today, the device is used across a team of five rotating optometrists, with five dispensing opticians and fourteen optical assistants trained to operate the MonacoPro. This flexibility has proved particularly valuable in managing the demands of a busy practice.

Enhanced Diagnostic Confidence

Published data indicates that MonacoPro can deliver up to a 30% increase in the detection of macular pathology compared to fundus imaging alone¹. Mr Chauhan credits the clarity and depth of **optomap** and SD-OCT images with MonacoPro. “Due to the sharper image quality of the MonacoPro, visualisation of the retinal architecture is enhanced, allowing earlier disease detection and confident management,” he explains.

“Additionally, the high-quality scans eliminate the need for repeat OCTs, which streamlines the imaging process and improves the patient experience during testing.”

Mr. Chauhan highlights the case of a patient who presented with exudative age-related macular degeneration (AMD) in one eye and an apparently asymptomatic fellow eye that appeared to have early non-exudative AMD on fundus photography. It was only on reviewing the OCT scans that focal macular oedema was detected in the otherwise dry-appearing fellow eye. (See images)

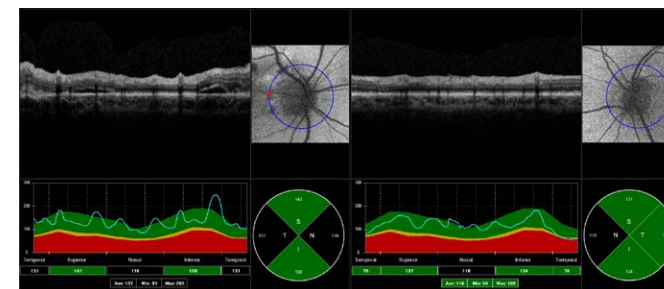


Multi modal retinal examination using the MonacoPro: A 74-year-old female presented with reduced vision when reading. Ultra widefield (UWF) colour imaging showed haemorrhages and oedema in the macula of the right eye (Figure A) and macular drusen with retinal pigment epithelium (RPE) alterations in the left eye (Figure B). UWF fundus autofluorescence showed hypo-autofluorescent areas corresponding to retinal haemorrhage in the right eye (Figure C) and mid-peripheral hypo-autofluorescent spots corresponding to RPE alterations in the left eye (Figure D). On spectral-domain optical coherence tomography (SD-OCT), the right eye (Figure E) showed increased macular thickness due to the presence of intraretinal and subretinal fluid, which was associated with disruption of the retinal layers; the left eye (Figure F) showed bumps in the RPE, suggestive of drusen, and increased macular thickness in the outer inferior sector of the retinal thickness map, revealing macular oedema that was not apparent on colour fundus images.

A Formidable Toolkit

MonacoPro OCT includes automatic analysis of Retina, Ganglion Cell, Retinal Nerve Fibre Layer and Optic Nerve Head detail, and complemented by a comprehensive reference database that further enhances diagnostic capabilities.²

“If we’re unsure about something, it’s easy to pull up comparison images,” Mr Chauhan notes. The database has also proved helpful for onboarding new staff, providing them with readily accessible reference materials to support their learning.



Retinal nerve fiber layer (RNFL) SD-OCT scans centred on the optic disc obtained by the MonacoPro. *Details may vary depending on region

Mr. Chauhan adds that the Optos support team has been instrumental in training the staff in the use of other cutting-edge tools included in MonacoPro, like the AreaAssist feature, which allows users to automatically measure continuous areas of matching colour. This avoids laborious manual analysis, freeing up time that can be devoted to patient care.

The Ultimate Goal: Workflow Transformation

According to Mr. Chauhan, MonacoPro has transformed how Edmonds & Slatter approaches retinal imaging, delivering the efficiency and clinical excellence that he had been seeking. “The practices now perform roughly eight exams per day using MonacoPro. The more consistent use of SD-OCT in routine evaluations has really improved our diagnostic accuracy, while still achieving faster workflow and greater patient throughput,” he says.

By combining clinical precision and operational simplicity, MonacoPro has enabled the practice to enhance patient care with the latest technology whilst optimising workflow, a balance that’s essential in today’s demanding healthcare environment. The device’s adaptability across different staff roles, combined with its comprehensive diagnostic capabilities, positions the practice well for continued growth and excellent patient outcomes.

1. Aiello et al. Integrating Macular Optical Coherence Tomography with Ultrawide Field Imaging in a Diabetic Retinopathy Telemedicine Program Using a Single Device. *Retina*. 2023.
2. Salazar et al. Optical Coherence Tomography Measurement Correlations with Age and Optic Disc Size. *Investigative Ophthalmology & Visual Science*. 2024.



Optos UK/Europe
+44 (0)1383 843350
ics@optos.com

Optos North America
800 854 3039
usinfo@optos.com

Optos DACH
DE: 0800 72 36 805
AT: 0800 24 48 86
CH: 0800 55 87 39
ics@optos.com

Optos Australia
+61 8 8444 6500
auinfo@optos.com

Contact us:

