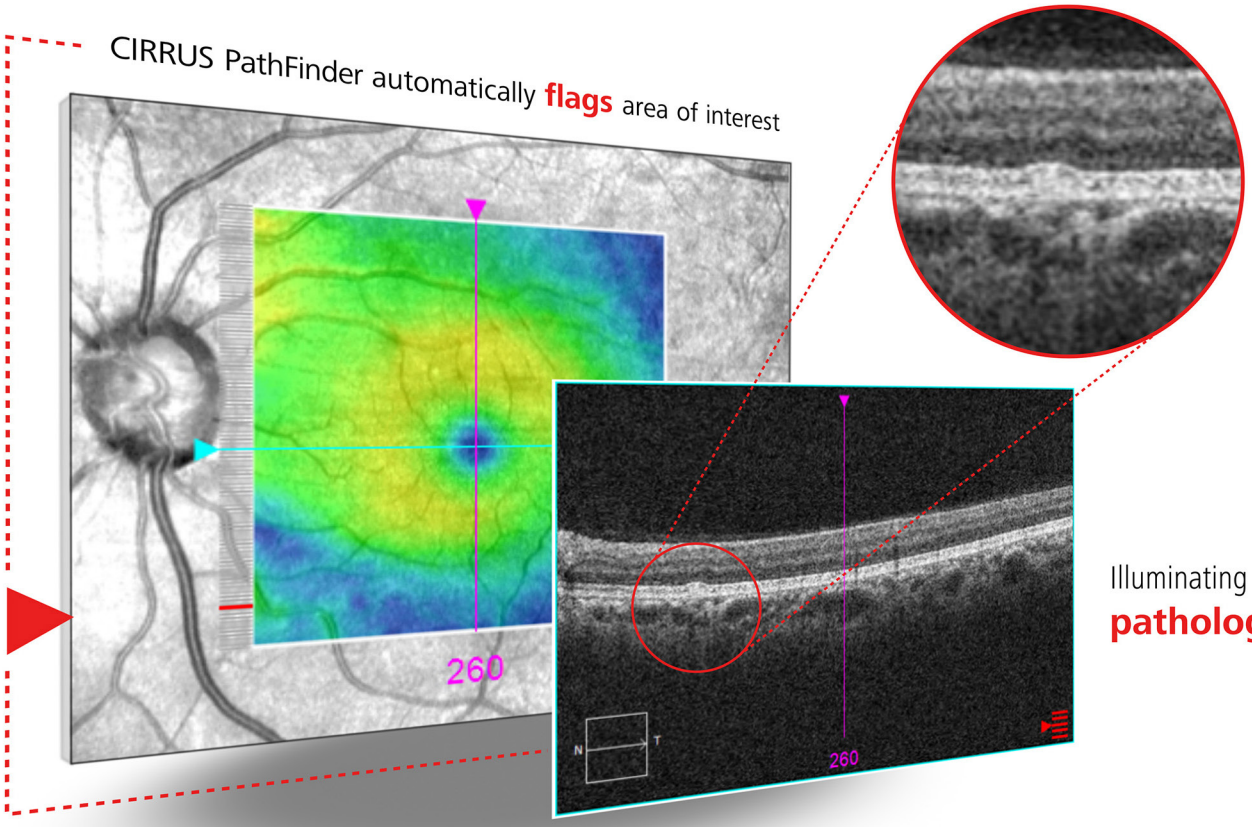
# Intelligently Illuminating.

## AI-guided OCT image assessment with CIRRUS PathFinder




Illuminating
**pathologies**

**Know when to take a closer look**

CIRRUS® PathFinder™ from ZEISS is an innovative clinical support tool that enables more confident decision-making and accelerates your workflow with OCT interpretation assistance. ZEISS CIRRUS PathFinder* uses proprietary deep learning algorithms to automatically identify abnormal macular OCT B-scans that can aid in early disease detection and encourage further evaluation.

ZEISS

Seeing beyond

**PathFinder is available on ZEISS CIRRUS 500/5000/6000 devices*

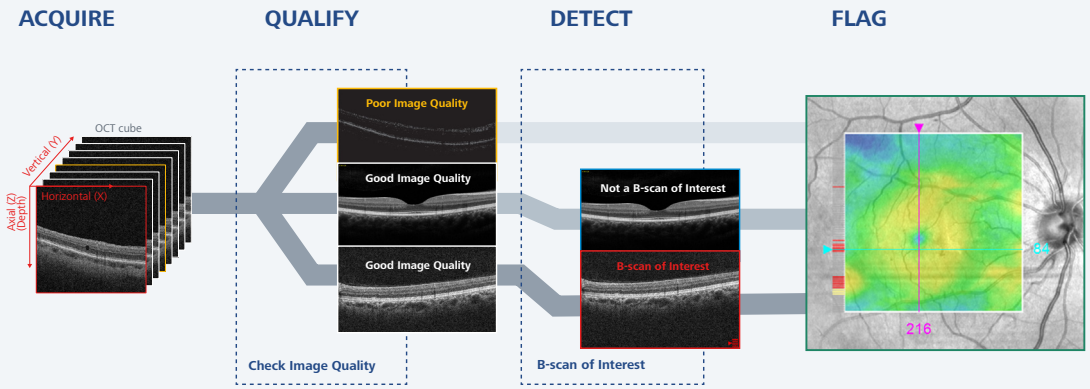
# CIRRUS PathFinder from ZEISS

## Next-level OCT imaging with AI-guided decision support

### How it works

**CIRRUS PathFinder detects B-scans of interest within the CIRRUS Macular Cube**

- **Acquire**—capture dense 512 × 128 SmartCube™ scans of the macula, automatically centered on the fovea.
- **Qualify**—performs good and poor image quality assessment using machine learning.
- **Detect**—identifies OCT B-scans with macular findings.
- **Flag**—highlights poor quality image (yellow) and B-scan of interest (red).




**Validated for increased confidence**

CIRRUS PathFinder uses proprietary deep learning AI technology developed and trained on more than 75,000 OCT B-scan images and validated in collaboration with leading retinal specialists.[1]

**Optimized for improved workflow efficiency**

During image acquisition, this AI-guided workflow tool flags areas that may require more detailed imaging and, during review, focus on what matters – improving patient care and increasing the value of your clinician's time. CIRRUS PathFinder provides automatic quality assessment of the scans, easy monitoring of the fellow eye, and identifies OCT B-scans with macular findings such as Subretinal fluid (SRF), intraretinal fluid, retinal pigment epithelium atrophy, retinal pigment epithelium elevation, disruption of inner retinal layers, disruption of the vitreoretinal interface, inner segment/outer segment disruption.

**Integrated AI**

Unlike other solutions requiring export and data analysis from third-party platforms, CIRRUS PathFinder integrated decision support interprets data within your current workflow, allowing you to assess many scans at once – ultimately enabling you to care for your patients more efficiently.


1. Talcott E, Valentim C, Perkins S, Ren H, Manivannan N, Zhang Q, Bagherinia H, Lee G, Yu S, D'Souza N, Jarugula H, Patel K, Singh R. Automated Detection of Abnormal Optical Coherence Tomography B-scans Using a Deep Learning Artificial Intelligence Neural Network Platform. *Int Ophthalmol Clin*. 2024 Jan;64(1):115-127.



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For information about ZEISS CIRRUS 6000, visit **www.zeiss.com/cirrus6000**