

Study spotlight: ZEISS CIRRUS PathFinder PAIR study



Seeing beyond

Shows non-specialist agreement with specialist when assisted by ZEISS PathFinder AI



Title

PAIR: Evaluating the limits of agreement among non-retinal specialists using PathFinder artificial Intelligence tool for retinal disease referrals: A prospective observational study



Authors

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Methodology

Evaluation criteria

- Macular cube scans captured on ZEISS CIRRUS OCT with embedded ZEISS PathFinder AI
- Scans reviewed by 3 non-retinal specialists (NRS) and 3 retinal specialists (RS)

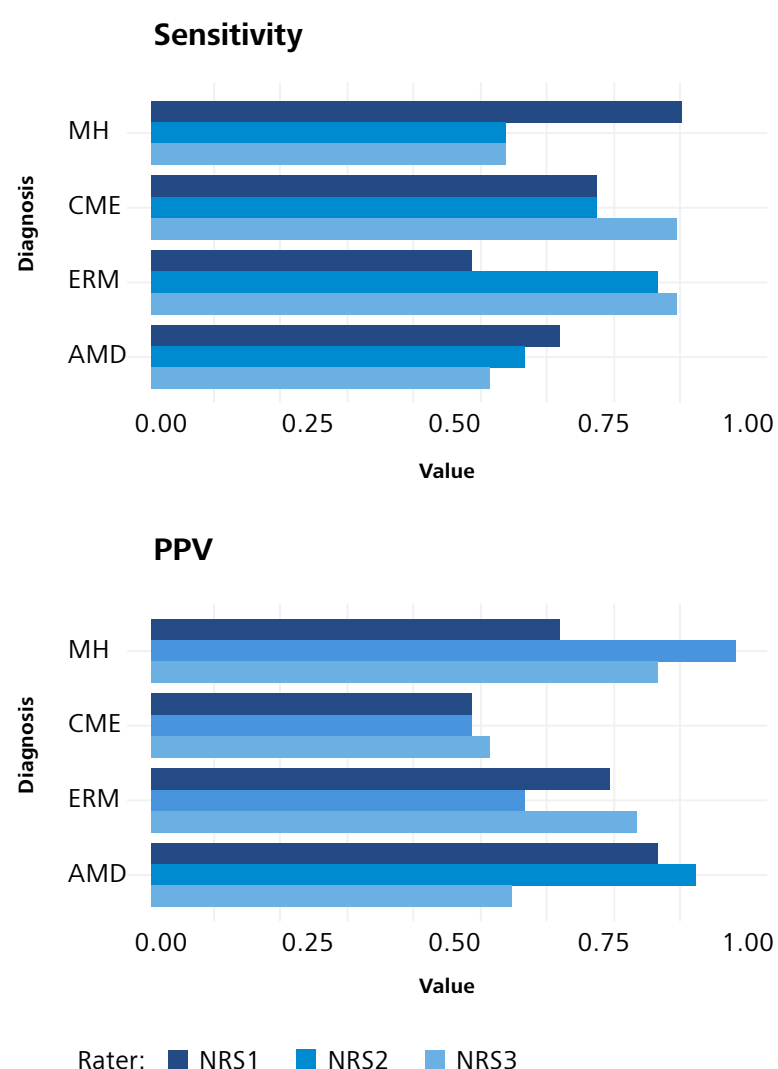
- Primary endpoint of agreement between NRS and RS
- Secondary endpoint of diagnostic performance metrics of NRS vs RS

Sample size

202 eyes of 202 patients from a single center

Results

Diagnostic performance NRS1 – NRS3



The study showed that AI-enabled OCT interpretation with ZEISS PathFinder improves standard of care by aligning non-retinal and retinal diagnoses ($k = 0.54-0.78$), achieving >90% specificity, reducing unnecessary referrals, and enabling high-confidence triage in 96–98% of cases.

See publication for further details.