

Artificial intelligence solution for diabetes complications screening using retinal imaging

Market: Diabetes affects > 500 million worldwide, with a global market size of around \$58.6 billion by the end of 2025.

Current solution: Preventive strategies such as early screening programs are becoming key areas in diabetes management.

Problem:

- Current screening services for various diabetes complications are fragmented.
- Require invasive blood tests, repeated appointments, and specialist interpretation.
- Low adherence to screening recommendations.

Our solution: Retinal imaging is a unique window to visualise systemic vascular changes, providing a simple, fast and non-invasive screening system for multiple diabetes complications



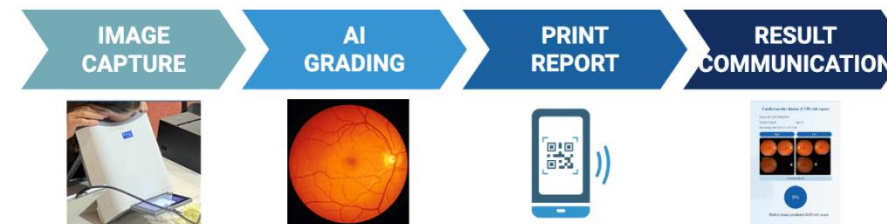
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One-stop AI-powered screening using an eye scan



Clinically-validated (inc. remote services) AI algorithms embedded in fully automated portable fundus cameras

- ✓ Based on most extensively characterised AU dataset
- ✓ Real-time report generation with 92.5% patient satisfaction and 87.5% physician satisfaction rate
- ✓ Cost-effective via health economic modelling
- ✓ Proven effective for cardiovascular (CDV) screening

Next Steps:

- Pivotal RCT for clinical implementation (CDV, kidney and DR)
- Within trial economic evaluation

For partnership opportunities, contact: stan@cera.org.au