Pupil diagnostics have just been pulled from the Dark Ages into the 21st Century.









Yesterday:

Pupil defect testing began in the 19th Century, but until now, has been subjective, difficult to perform well and not conclusive. As a required part of a standard eye exam, the notation **"PERRLA -MG"** commonly appears (if testing was even performed) on the majority of patient records. **Even with the best of intentions, this is perhaps unwittingly inaccurate.** OCT substantially enhanced retinal imaging... **RAPDx** has now substantially enhanced our view of neuro-pupillary dysfunctions. After a century and a half, it was about time.

KONAN™ Cloud Services

Included with each system.

Robust data analysis



C The biggest problem with RAPD testing is that eyecare providers don't do it... I estimate that pupillary testing is documented only about 10% of the time. It used to be gonioscopy took the prize for being done seldom and badly...¹

Lankaranian, Altangerel, Spaeth et al 2005

www.RAPDx.com

Scalable test processing and archiving

Konan supported new media marketing to and for your practice

Google™ location-aware map to RAPDx customers

Web-enabled service and support

Patient information QR linked:

- Enhanced test descriptions
- Enhanced marketing of RAPDx practices
- Patient referral features



Technology

- HD, infrared, machine-vision
- Eye tracking
- Automated blink detection and rescheduling
- Digital, binocular recording of monocular stimuli responses

G Routine physician assessment of an RAPD has been clinically difficult with any measure of precision. Now with the use of RAPDx, our techs can simply and objectively provide an entirely new level of detail in detection of an APD. Every doc will want one to enhance detection of neuro-affected diseases. This can be very interesting in looking at disease progression at a very early stage.

Theodore Krupin, MD



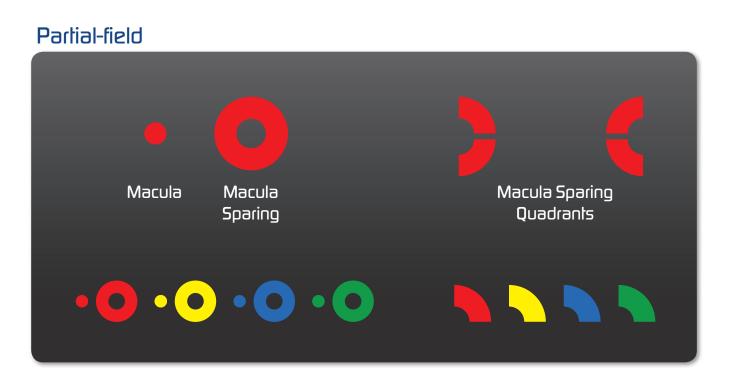
Stimuli

RAPDx presents patented³ monocular stimuli w

- ► White light and multi-chromic
- Multi-intensity
- Full-field, macular, macula sparing
- Quadrants

Full-field White and Primaries



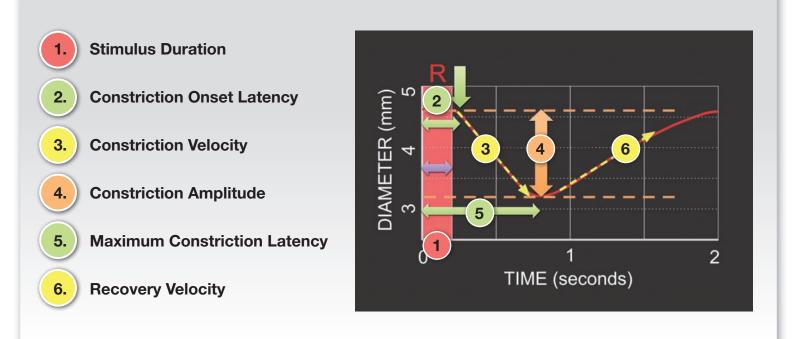


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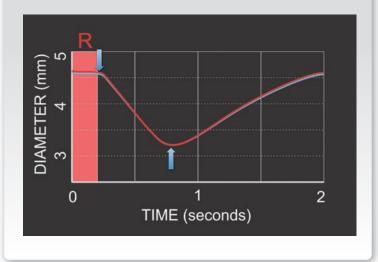


RAPDx Signature™

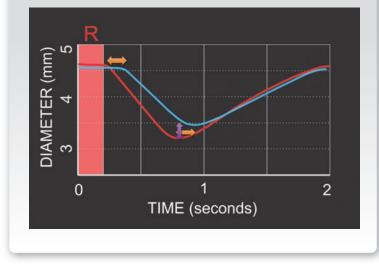
RAPDx records a high-definition, biometric waveform, the **RAPDx Signature**[™], which characterizes key features of pupil defect responses beyond those seen by human observers of the old Swinging Flashlight Test.



Normal, typical, matching responses



Abnormal, differential latencies and constriction amplitudes



RAPDx Results



↑ Detailed View:

- Primaries and patterns
- Analog of Swinging Flashlight Test
- User-adjusted defect threshold

www.RAPDx.com

Amplitudes and latencies

nt Test old Normative databases in development

Features

Rotates 180° for operation from either side or back

Cycloptic view of separate OD-OS stimuli scenes

Ribbon control for simple patient alignment

Touchscreen operator interface (tablet size)

Specifications

Integrated computer	Integrated web communications (ethernet and WiFi)		
Patient self-alignment ribbon	Touchscreen operator display rotates 180°		
Digital, 60 Hz, Infrared machine-vision system	Auditory cues for simplified test process		
100-240 VAC, 50-60 Hz	Synchronous imaging & stimulus-display		
USB 2.0 (x 2)	FDA Class I device		
Konan Medical USA, Inc. is ISO 13485 certified	Web-enabled remote service and training capabilities		

³ RAPDx is a Konan trademark. RAPDx is covered under US and International patents including: 7,334,895; 7,488,073; 7,810,928; 7,874,675; 03788506.8

Distributed by



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