

Ocular Response Analyzer® G3 with Corneal Hysteresis + IOPcc from Reichert Technologies®

A more objective predictor
of glaucoma progression.

Ocular Response Analyzer® (ORA) is the only device that measures Corneal Hysteresis (CH), an indication of the biomechanical tissue properties of the cornea, which is more predictive of glaucoma development and progression than other risk factors.



“The prospective longitudinal design of this study supports the role of CH as an important factor to be considered in the assessment of the risk of progression in patients with glaucoma.”¹

In addition, Corneal Hysteresis enables Ocular Response Analyzer G3 to provide Corneal Compensated IOP (IOPcc), a better indication of the true pressure.

“IOPcc may represent a better tool for the evaluation and management of POAG due to its more consistent association with the disease across a wide range of IOPs.”²

Ocular Response Analyzer G3 is fast and easy-to-use, the measurement is non-contact, saving you time, costly drops, and sanitization procedures.

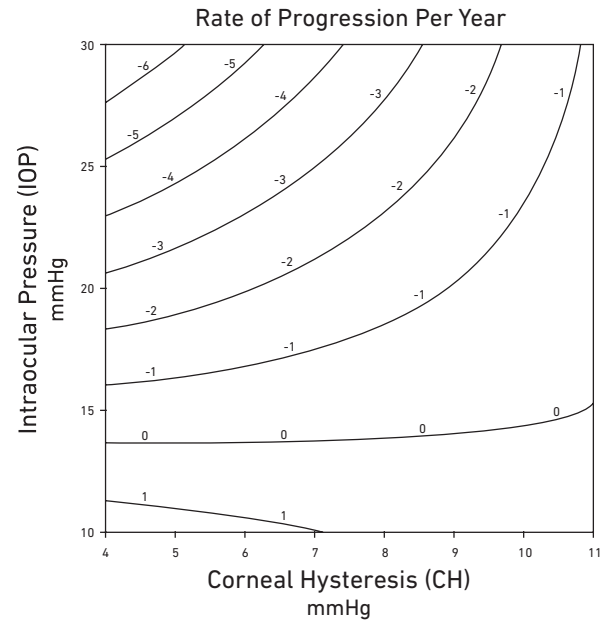
For more information on the Ocular Response Analyzer® G3, please visit reichert.com/ora or contact your Reichert distributor.

¹ Medeiros FA, Meira-Freitas D, Lisboa R, Kuang TM, Zangwill LM, Weinreb RN. Corneal hysteresis as a risk factor for glaucoma progression: a prospective longitudinal study. *Ophthalmology*. 2013 Aug;120(8):1533-40 ² Ehrlich JR, Radcliffe NM, Shimmyo M. Goldmann applanation tonometry compared with corneal-compensated intraocular pressure in the evaluation of primary open-angle Glaucoma. *BMC Ophthalmol*. 2012 Sep 25;12:52 ³ A Prospective Longitudinal Study to Investigate Corneal Hysteresis as a Risk Factor for Predicting Development of Glaucoma. Susanna CN, Diniz-Filho A, Daga FB, Susanna BN, Zhu F, Ogata NG, Medeiros FA. *Am J Ophthalmol*. 2018 Mar;187:148-152. doi: 10.1016/j.ajo.2017.12.018.

PREDICTING GLAUCOMA PROGRESSION

“CH explained a larger proportion of the variation in slopes of VFI change than CCT (17.4% vs. 5.2%, respectively).”¹

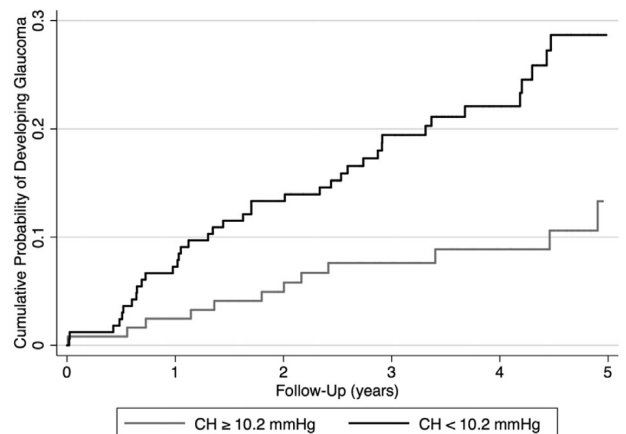
“...the effect of IOP on rates of glaucoma progression was dependent on the CH levels.”¹



The relationship between rates of visual field index (VFI) (in %/year) change, intraocular pressure (IOP), and CH measurements.¹

PREDICTING GLAUCOMA DEVELOPMENT

Cumulative probability of glaucoma development in suspect eyes.



“Eyes with lower baseline CH had a higher probability of developing glaucomatous visual field defects in a cohort of glaucoma suspects followed over time.”³

“Each 1-mm Hg lower CH was associated with an increase of 21% in the risk of developing glaucoma during follow-up.”³

CPT CODE 92145, WAS PUBLISHED SPECIFICALLY FOR THE CORNEAL HYSTERESIS MEASUREMENT