

Keratoconus

Clue: Retinoscopy and Ophthalmoscopy Signals

Scissor reflex with retinoscopy

In one study, retinoscopy was found to have 98% sensitivity and 78% specificity when compared with Pentacam's Belin/Ambrósio Display Final D index of ≥ 2.69 .¹

Charleaux "oil droplet" sign with direct ophthalmoscopy

If a patient has keratoconus, a total internal reflection of light due to the conical cornea may produce the oil droplet reflex.

"When suspecting keratoconus, we can't forget that retinoscopy or direct ophthalmoscopy can be incredibly helpful to aid in keratoconus detection, especially if you don't have a topographer."

—Dr Saenz, iDetective

Reference

1. Al-Mahrouqi H, Oraba SB, Al-Habsi S, et al. Retinoscopy as a screening tool for keratoconus. *Cornea*. 2019;(4):442-445.

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