



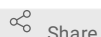
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Fixation of Eyes at UAB

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1 Works for me



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ABSTRACT

The accession and fixation of whole human eye specimens at University of Alabama Birmingham.

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Pang CE, Messinger JD, Zanzottera EC, Freund KB, Curcio CA. 2015. The Onion Sign in Neovascular Age-Related Macular Degeneration Represents Cholesterol Crystals. *Ophthalmology* 122:2316-2326..

KEYWORDS

null, HuBMAP, BIOMIC, Vanderbilt, University of Alabama, Eye, Fixation

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MATERIALS TEXT

1. 18-mm trephine, Stratis Healthcare, #6718L
2. Curved Spring Scissors, Roboz Cat# RS-5681
3. 4% Paraformaldehyde

- 1 Whole eyes arrive from deceased human donors via Advancing Sight Network (Birmingham AL; formerly the Alabama Eye Bank) ≤ 6 hours death-to-preservation.
- 2 Fixation is performed on the globe with lens and iris in place by immersing in buffered 4% paraformaldehyde overnight.
 - 2.1 The iris and lens were removed before imaging with OCT and scanning laser ophthalmoscopy (Anderson et al., 2020).
- 3 Initially the cornea is removed with a 2-mm-wide scleral rim boundry, a circular cut is scored with an 18-mm trephine (Stratis Healthcare, #6718L) and completed with curved spring scissors (Roboz Cat# RS-5681).
 - 3.1 To facilitate preservative penetration, without disturbing the vitreous body and detaching the retina from RPE, the iris is slit with a small incision.