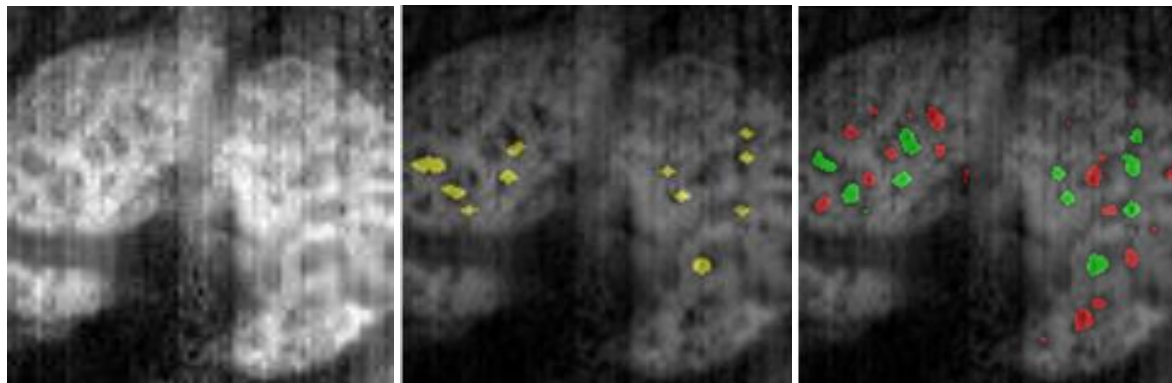


3D modeling of the lamina cribrosa in 3D optical coherence tomography (OCT) volumes

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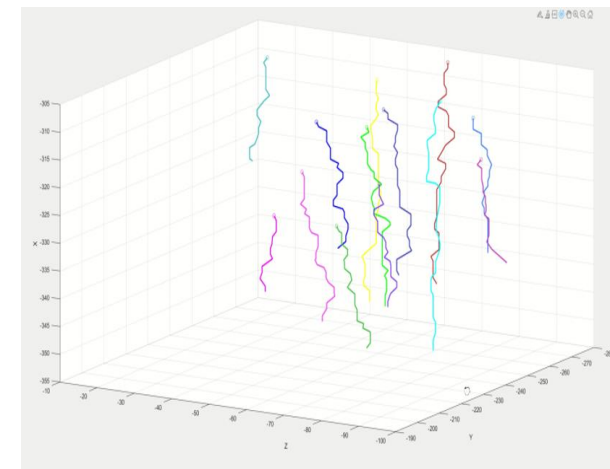
- **Mission**
 - Segmentation and tracking of pores of the lamina cribrosa in 3D OCT volumes.
- **Challenge**
 - Small number of OCT volumes with low SNR.
 - Incomplete annotation with disagreement between experts.
- **Our method**
 - Segmentation: Semi-supervised context-aware attention U-Net.
 - Tracking: Active contour on the segmented pores.



Source image

Ground truth

Segmentation result



3D Tracking result