**Supplemental Video 1:** Real-time MIOCT video imaging with serial OCT B-scan images targeted using a dynamic OCT tracking system to the longitudinal axis of the diamond-dusted membrane scraper brushing against the retinal surface during epiretinal membrane removal. A dynamic sequence was looped 4x in this video clip. The larger video was denoised with post-processing algorithms; the smaller inset comprises the corresponding live, non-post processed video that was viewable by the research team intraoperatively in real-time.