

Description of Additional Supplementary Files

Supplementary Movie 1: A continuous sequence of *en face* and cross-sectional projections of $A_{\text{mech}}(x_b, y_b, z_b)$ and $A_{\text{PT}}(x, y, z)$ in 2D and 3D space, shown with their corresponding OCT images. Scale bars: 20 μm .