**Supplementary Figure 1.** Main regions in the early treatment diabetic retinopathy study (ETDRS) grid and its relative position fundus image and OCT B-scan. The performance metrics were computed in the different regions of the grid, as fluid has a different functional impact depending on location.

![Image of ETDRS grid and OCT B-scan](image)

**Supplementary Figure 2.** An example of reproducibility measurement for one of the patients.

![Graphs of IRF, SRF, and PED volume over acquisitions](image)
**Supplementary Figure 3.** Distribution of standard deviations of reproducibility assessment. Higher value for PED is due to the statistically larger amount of this fluid in our test set.
**Supplementary Figure 4.** Examples of mistakes made by our algorithm; first column - a crop of B-scan, second column - manual annotation, third column - automatic prediction; presented failure cases from top to bottom - poor separation of IRF cysts, IRF detected under epiretinal membrane, over-segmentation of SRF due to noise.