# Description of Data

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We have made our local DME OCT dataset (University of Minnesota (UMN) DME dataset) along with two expert manual segmentations available. We also include our automated segmentation results reported in our paper (UMN method) available online. The UMN DME dataset contains OCT from 29 DME subjects with 25 Bscans per subject. If you use this data, please use the citation below:

A. Rashno, D. D. Koozekanani, P.M. Drayna, B. Nazari, S. Sadri, H. Rabbani and K. K. Parhi, "Fully-Automated Segmentation of Fluid/Cyst Regions in Optical Coherence Tomography Images with Diabetic Macular Edema using Neutrosophic Sets and Graph Algorithms," IEEE Transactions on Biomedical Engineering, DOI: 10.1109/TBME.2017.2734058, 2017.

We have also made available online the automated segmentation results of the proposed method in this paper using Duke and Optima datasets.

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All use of the images should include citation and credit to the above paper.

Here is a brief explanation for .mat files provided in this webpage:

**UMNDataset.mat**: UMN dataset with two expert manual segmentations.

**UMN_Method_UMNDataset** : Automated segmentation results of UMN method in UMN dataset.

**UMN_Method_DukeDataset.mat** : Automated segmentation results of UMN method in Duke dataset.

**UMN_Method_OptimaDataset.mat**: Automated segmentation results of UMN method in Optima dataset.