Description of Data

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This data accompanies the paper below. The data should be referenced using citation below:

> A. Rashno, B. Nazari, D. D. Koozekanani, P.M. Drayna, S. Sadri, H. Rabbani and K.K. Parhi, "Fully-Automated 2D and 3D Segmentation of Fluid Regions in Exudative Age-Related Macular Degeneration Subjects: Kernel Graph Cut in Neutrosophic Domain," *PLoS ONE*, **12**(10), e0186949, Oct. 2017
>
> We have made our collected dataset (UMN dataset) with two expert manual segmentations as well as our automated segmentation results presented in the above paper (under UMN method). UMN dataset contains 24 DME subjects with 25 Bscans per subject.

We have also made available online the automated segmentation results of the proposed method in the above paper for AMD images in Optima datasets. Commercialization/redistribution of the images is prohibited. In the unlikely event that you identify any remaining identifiers in the images, you are prohibited from further disclosure and should destroy all copies of the image and immediately notify the owner of this webpage at: parhi@umn.edu. All use of the images should include citation and credit to this paper.

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

UMN_Dataset.mat: UMN dataset with two expert manual segmentations.

UMNMethod_UMN_Dataset.mat: Automated segmentation results of UMN method in UMN dataset.

UMNMethod_Optima_Dataset.mat: Automated segmentation results of UMN method in Optima Spectralis dataset.

UMNMethod_OptimaCirrus_Dataset.mat: Automated segmentation results of UMN method in Optima Cirrus dataset.

GCMethod_Optima_Dataset.mat: Automated segmentation results of graph cut method in Optima Spectralis dataset.

GCMethod_UMN_Dataset.mat: Automated segmentation results of graph cut method in UMN dataset.

KernelGCMethod_Optima_Dataset.mat: Automated segmentation results of kernel graph cut method in Optima Spectralis dataset.

KernelGCMethod_UMN_Dataset.mat: Automated segmentation results of kernel graph cut method in UMN dataset.