

Graduation Project Week #13 Meeting Minutes

* Agenda

1. Paper Presentation and Discussion:
2. Discussing the progress of data standardization
3. Left Ventricle segmentation model progress discussion
4. Data simulation discussion
5. DICOM Viewer
6. Planning next steps for next week

* Meeting Points

- Presented and discussed the paper titled "TumorGAN: A Multi-Modal Data Augmentation Framework for Brain Tumor Segmentation (2020)"
- Data Standardization Progress:
 - Refactor the preprocessing code
- Model Work:
 - Getting the left ventricle ROI
 - Save the cropped ROI as npy arrays
- Data Simulation:
 - Discuss the simulated data shapes and how realistic they are
- DICOM viewer:
 - Discussed the progress made in DICOM viewer as dicom viewer tools.
 - Requested modifications to further improve the process.

* Attendees

Omar Emad (Leader)
Omar Nabil(Presenter)
Khaled Badr
Hana Hesham

* Planning Next Meeting

- Courses: Highest priority assigned to making progress on ongoing courses.
- Data Standardization: Apply histogram equalisation
- Model Work: Get the ROI centre of mass and apply a fixed size ROI
- Synthetic Data: Apply infarction simulation
- DICOM viewer: Show study as series
- Next Meeting Scheduling
 - The next team meeting is scheduled for the 3rd of December at 8:00 PM.