



# Weekly Meeting with Dr. Hannah

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## T1: Radiomics Workflow Improvements

- Created new Python scripts:
  - `check_RTstructure_name.ipynb` - Validates and lists RT structure names in DICOM files
  - `convert_dicom_to_nifti.ipynb` - Converts DICOM images and RT structures to NIfTI format

## T2: Critical Bug Fix: DICOM to NIfTI Masking Issue

- **Problem identified:** Masks weren't properly generated during DCM→NIfTI conversion
- **Root cause:** Package compatibility issue between pydicom, dcmrtstruct2nii, and SimpleITK
- **Solution implemented:** Added backward-compatibility patch to bridge different package versions
- **Nabeel** has started running experiments

## T3: CMC Dataset Preparation

- **Converted** CMC dataset to both NIfTI and PNG formats
- **Purpose:** Reproducibility study