



# Weekly Meeting with Dr. Hannah

Hasan Shaikh

Quantitative Imaging Research and  
Artificial Intelligence Lab (QIRAIL)

## T1: Data Collection Update

- Prospective Sheet Update:
  - Updated: [Data collection sheet \(HNCradiomics\\_prospective\\_retrocohort\)](#)
  - Total patients clinician has to update: 125

## T2: Feature Selection Pipeline

- PyRadiomics Implementation
  - Implement feature extraction code using PyRadiomics
  - Successfully extracted radiomics features from MAASTRO dataset
  - Validated RT structure names
- Using Python Script: [`check\_RTstructure\_name.ipynb`](#)
  - Function: Validates and lists RT structure names in DICOM files

### **T3: Workflow Improvement of Download Data from Orthanc**

*“We simplified our data download process. Previously, clinicians had to manually enter GTV names in a spreadsheet, which was tedious and error-prone. Now the script downloads everything automatically and flags any unusual cases for verification. This saves lot of times and makes the process more reliable. No more manual updates needed.”*