



# Weekly Meeting with Dr. Hannah

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## 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.”*