



# Weekly Meeting with Dr. Hannah

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# 1. Coordination with Dr. Julia

- Had a detailed discussion with Dr. Julia regarding her work for this week.
- Sent a follow-up email summarizing the tasks.

## 2. Follow-up with Nabeel on Experiment Results

- Discussed the ongoing experiments and current status.
- Nabeel mentioned they are testing multiple folds and configurations.
- Previous results had data leakage issues; updated experiments are addressing this but are still under evaluation.

### 3. nnU-Net Paper Revision Shared

- Shared updated revision draft with Dr. Hannah, Dr. Jeny, and Nabeel for feedback.

## 4. CNN Reproducibility – Initial Implementation

- Started reproducing the CNN-based prognosis pipeline for HNC.
- Cloned the official repository: [MaastrichtU-CDS/hn\\_cnn](#)
- Completed Python environment setup.
- Organized the preprocessed data structure as required.
- Ready to initiate model training.

*Mateus, P., Volmer, L., Wee, L. et al. Image based prognosis in head and neck cancer using convolutional neural networks: a case study in reproducibility and optimization. Scientific Report (2023).*

# Objective: Reproduce

## Planned Steps

### 1. Code & Environment Setup

- Clone GitHub repo: [MaastrichtU-CDS/hn\\_cnn](#)
- Setup environment via Docker or [requirements.txt](#)

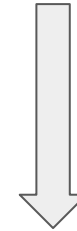
### 2. Data Download

- Canadian HNC Dataset: [TCIA Link](#)
- MAASTRO Dataset: [TCIA Link](#)



## Execution Plan

- Run end-to-end pipeline (preprocessing → training → testing)
- Target task: **2-year distant metastasis prediction**
- Compare AUCs with Table 3 & Table 4 from the paper



## Deliverables

- Successful pipeline execution on one task
- AUC comparison (original vs. reproduced)
- Screenshot of environment setup
- GitHub commit hash + logs



## Logging & Documentation

- Record system specs, training time
- Log environment details, package versions, and errors
- Note any deviations from original implementation

Mateus, P., Volmer, L., Wee, L. et al. Image based prognosis in head and neck cancer using convolutional neural networks: a case study in reproducibility and optimization. *Scientific Report* (2023).