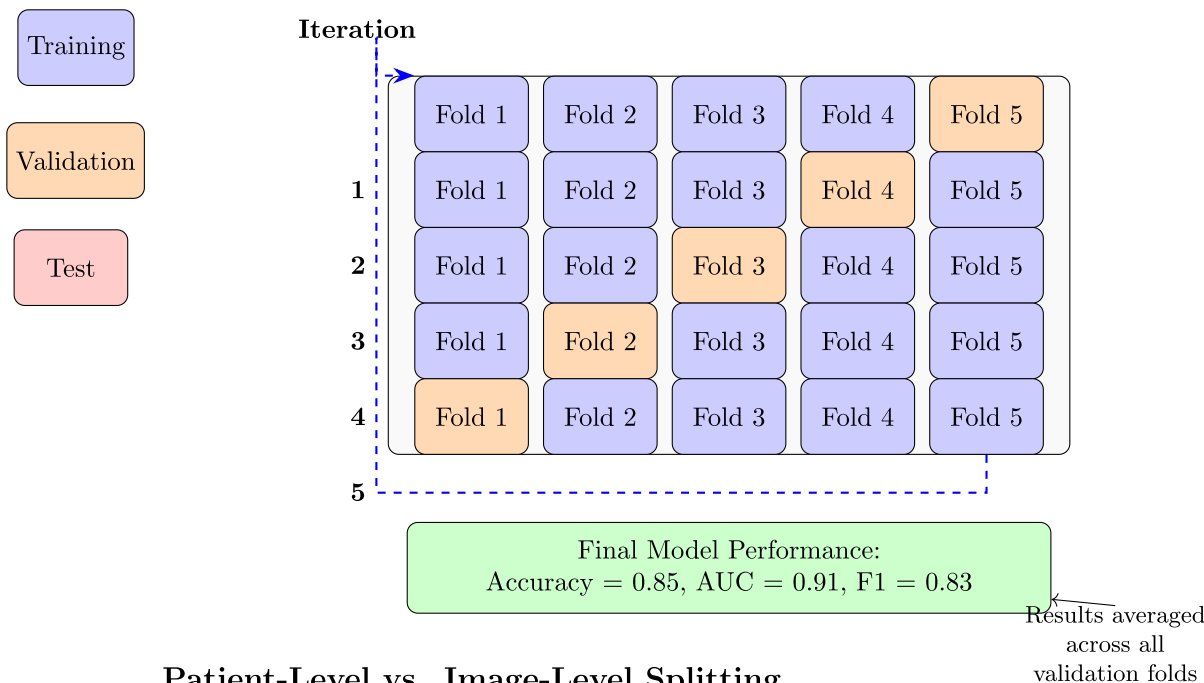
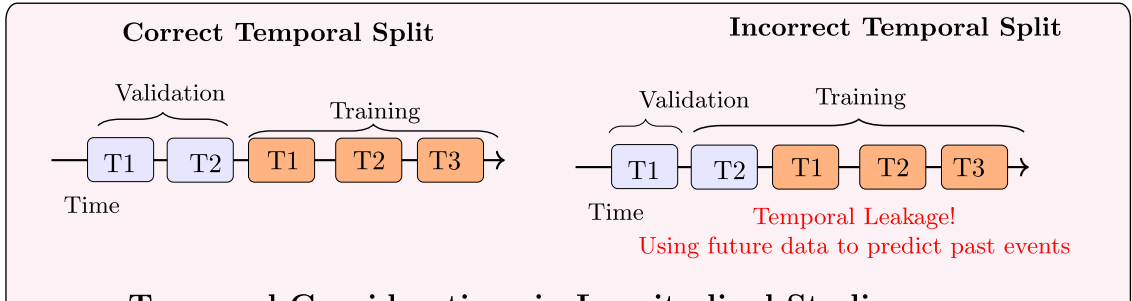
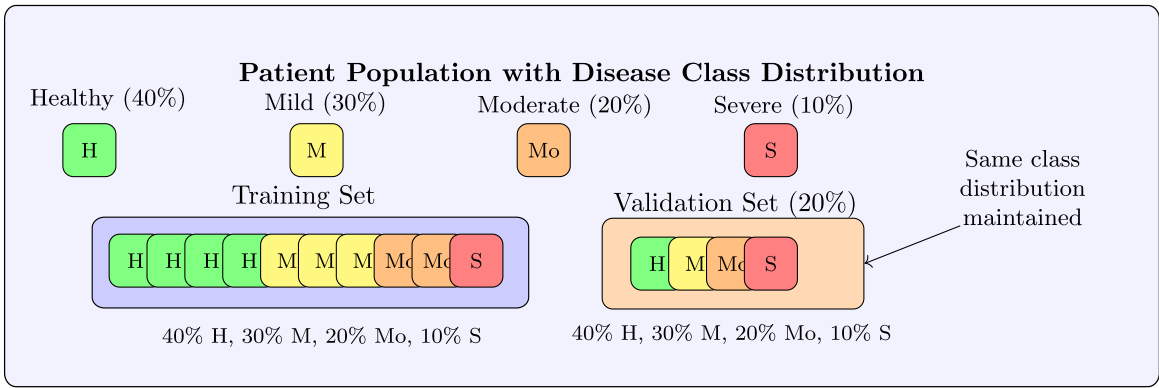
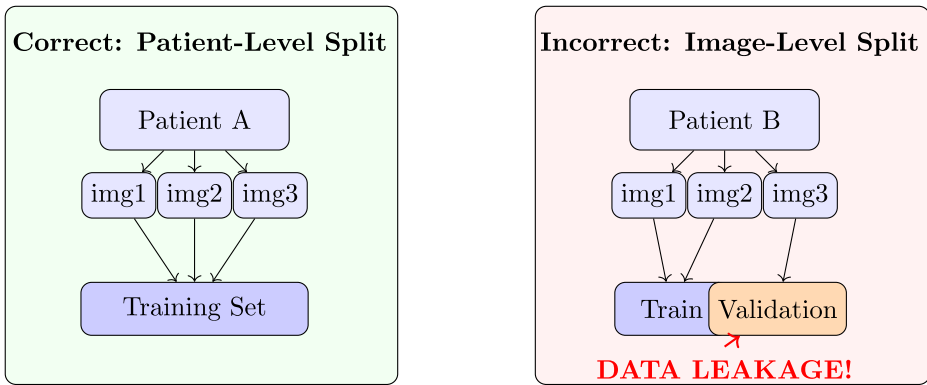


# Cross-Validation Strategies for Medical Imaging

## Patient-Level K-Fold Cross-Validation



## Patient-Level vs. Image-Level Splitting



## Temporal Considerations in Longitudinal Studies

- Best Practices for Medical Imaging CV:**
- Split by patient, never by individual images
  - Maintain class proportions with stratification
  - Respect temporal sequence in longitudinal data
  - Always report metrics across all folds