Quality Assurance

Performance Monitoring

Track accuracy, precision, recall over time. Automated dashboards

Drift Detection

Identify distribution shifts. Input drift (scanner changes) vs concept drift (disease patterns)

Error Analysis

Systematic review of failures. Identify error patterns and edge cases

Feedback Loops

Radiologist corrections. Active learning to improve model from production data

Continuous Improvement

Iterative model updates. A/B testing of model versions