Quality Assurance (Quality Assurance)

✅ QA Process

- Unit Testing: Individual module testing

- Integration Testing: Full pipeline testing

- Regression Testing: Verify existing functionality

- Stress Testing: Load and stress testing

📋 Validation Checklist

- ✓ Model performance criteria met (accuracy, AUC)

- ✓ Inference time < 100ms (real-time system)

- ✓ Subgroup performance balance (no bias)

- ✓ Security and privacy compliance

🔍 Test Types

- Shadow Mode Testing: Parallel execution before deployment

- Adversarial Testing: Attack scenario testing

- Edge Case Testing: Extreme case evaluation

- User Acceptance Testing (UAT): Clinical user evaluation