Chest Pain Evaluation

Risk Stratification Algorithm

High Risk
Immediate cath lab prep
Emergency coronary angiography

Medium Risk
Intensive monitoring
Cardiac biomarker tracking

Low Risk
Outpatient follow-up
Early discharge possible

AI Assessment Results

Acute MI Detection Rate	**98%**
False Negative Rate	**0.5%**
Unnecessary Admission Reduction	**30%**
Assessment Time	**10 min**

Clinical Improvement

Early Diagnosis	**2 hr faster**
Unnecessary Tests	**25% reduction**
ED Length of Stay	**1.5 hr reduction**
Patient Satisfaction	**15% increase**