MULTI-AGENT MEDICAL DIAGNOSIS REPORT

Report Generated:	June 27, 2025 at 01:13 PM
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Diagnostic Status:	COMPLETED
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PATIENT INFORMATION

Patient ID:	CASE_006
Age:	58
Sex:	Male
Chief Complaint:	Crushing chest pain radiating to left arm

Symptoms:	crushing chest pain, left arm pain, diaphoresis, nausea, anxiety
Duration:	45 minutes
Severity:	severe
Vital Signs:	BP 160/95, HR 105, RR 22, Temp 98.4F, O2 Sat 96%

Past Medical History:	Hyperlipidemia, family history of CAD
Current Medications:	Atorvastatin
Allergies:	NKDA
Family History:	Father MI at 55, Mother HTN
Social History:	Smoker 1 PPD x 30 years, sedentary lifestyle

DIAGNOSTIC SUMMARY

Agent	Diagnosis	Confidence	ICD-10
Primary Care	Acute Coronary Syndrome	75.0%	I24.9
Specialist	Refined Internal Medicine Assessment: Acute Coronary Syndrome	85.0%	I24.9
Final Consensus	Final Consensus: Acute Coronary Syndrome	90.0%	I24.9

FINAL DIAGNOSIS DETAILS

Primary Diagnosis: Final Consensus: Acute Coronary Syndrome
Confidence Level: 90.0%
ICD-10 Code: I24.9

Clinical Reasoning:
After thorough review by our multidisciplinary team, we have reached consensus on this case. Both Dr. Primary and Dr. Internal have provided excellent assessments. The clinical picture is consistent with our final diagnosis, and the management plan is appropriate and comprehensive.

Recommended Tests:
Proceed with recommended workup, Serial monitoring, Multidisciplinary follow-up

Differential Diagnoses:
Consensus reached on primary diagnosis

Red Flags/Critical Considerations:
Continue vigilant monitoring, Escalate if clinical change

CLINICAL RECOMMENDATIONS

Recommended Diagnostic Tests:

• Proceed with recommended workup
• Serial monitoring
• Multidisciplinary follow-up

Follow-up Care:

• Regular monitoring as clinically indicated
• Patient education regarding diagnosis and treatment
• Return if symptoms worsen or new symptoms develop

Critical Safety Considerations:

• Monitor for Continue vigilant monitoring

• Monitor for Escalate if clinical change

General Recommendations:

• Ensure appropriate specialist follow-up if indicated
• Review and optimize current medications
• Lifestyle modifications as appropriate for condition
• Emergency precautions and when to seek immediate care

IMPORTANT DISCLAIMER:

This report was generated by an AI-powered multi-agent diagnostic system for educational and research purposes only. This system is NOT intended for actual patient care decisions and should NOT replace professional medical judgment.

Key Points:
• All diagnostic recommendations must be validated by qualified healthcare professionals
• This system is designed for educational demonstration of multi-agent AI reasoning
• Clinical decisions should always be based on complete patient evaluation by licensed physicians
• No patient care decisions should be made solely based on this report