

# SMART-AMI LHIN IV Project

**Date of Event:** November 8, 2010

**Hospital of Presentation:** Welland Hospital

**Patient Demographics:**

Age: 46 ID: 04203

**STEMI ID Form Received:**

No

**Reason for Referral:** Rescue PCI

**Actual Procedure Performed:** Rescue PCI

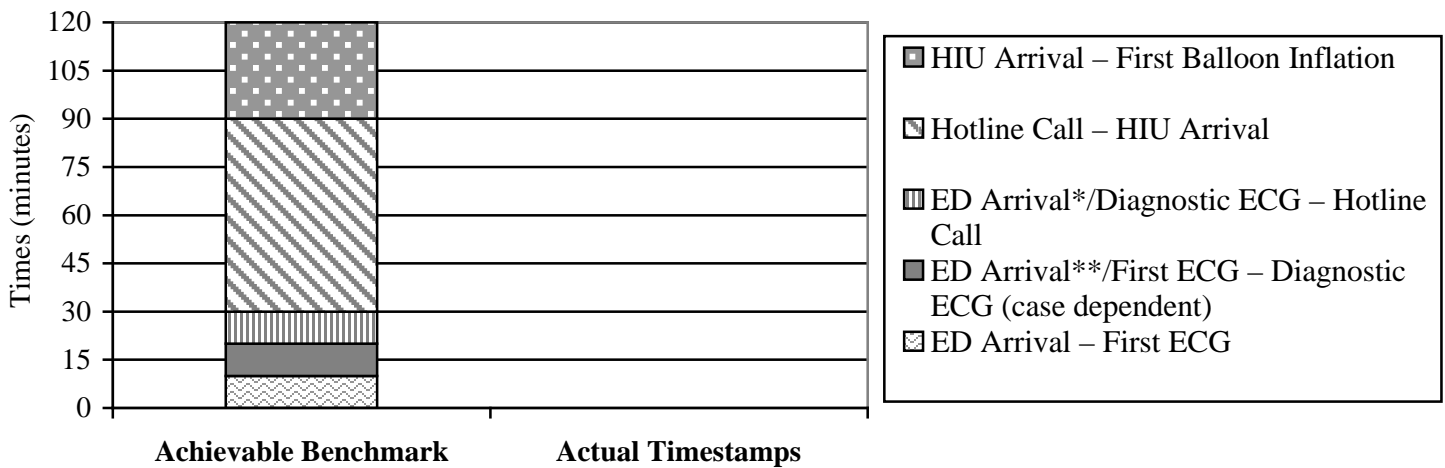
**Location of Infarct:** Anterior

**Killip Class (I-IV):** I

**Patient Presentation (EMS/Self):** EMS (Niagara) **First ECG done in ambulance?** Yes

**Time Stamps:**

## Door to Balloon Time Analysis



Element	Time	Benchmark (Only applicable to Primary PCI referrals)	Achievement
Symptom Onset	03:00		
ED Arrival	08:09		
Ambulance ECG	08:09		
First Hospital ECG	08:14	Within 10 min of ED Arrival	
Diagnostic ECG	08:09		
Hotline Call/Cath Lab Team Activated	10:45	Within 10 min of Diagnostic ECG or ED Arrival*	
Arrival in Cath Lab	11:50	Within 30-60 min of Hotline Call	
First Device Use/End of Procedure if Cath Only	12:23	Within 30 min of Arrival in Cath Lab Within 120 min of ED Arrival for PCI	

\*Applicable if ambulance ECG is the diagnostic ECG

\*\*Applicable if ambulance ECG and is not the diagnostic ECG

**Additional Comments:** 1st EMS ECG done was not in chart but had the 2nd ECG by EMS (08:09).

There was concern regarding aortic dissection given symptoms of radiation to the back so an urgent chest CT was done prior to thrombolytics, which was normal. Lysis administered 09:32 on November 8, 2010.

**Coronary Anatomy:** 95% stenosis in the left anterior descending artery, 90% stenosis in the right coronary artery and 50% stenosis in the obtuse marginal branch of the circumflex

**Cardiac Intervention:** 2 bare metal stents inserted to the left anterior descending artery

**Patient Disposition:** pt transferred back to CCU for further care

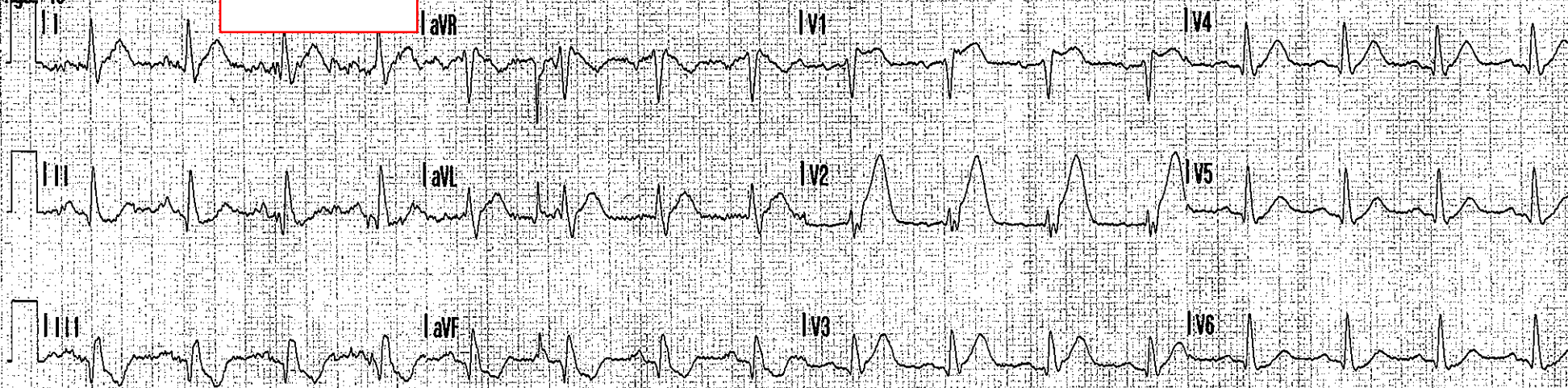
Name:  
ID:  
Patient ID:  
Incident:  
Age: 46



12-Lead 2  
08 Nov 10

08:09:50

• ECG override: Data quality prohibits interpretation



PC 1 ONTARIO ST 2 3011371-134 2005LROKJGG7R LP1231500612

IO-CONTROL

P/N 805319

cs, align re-  
:report over

ADHESIVE  
TAB

RE

RE

Pre TNK

RE

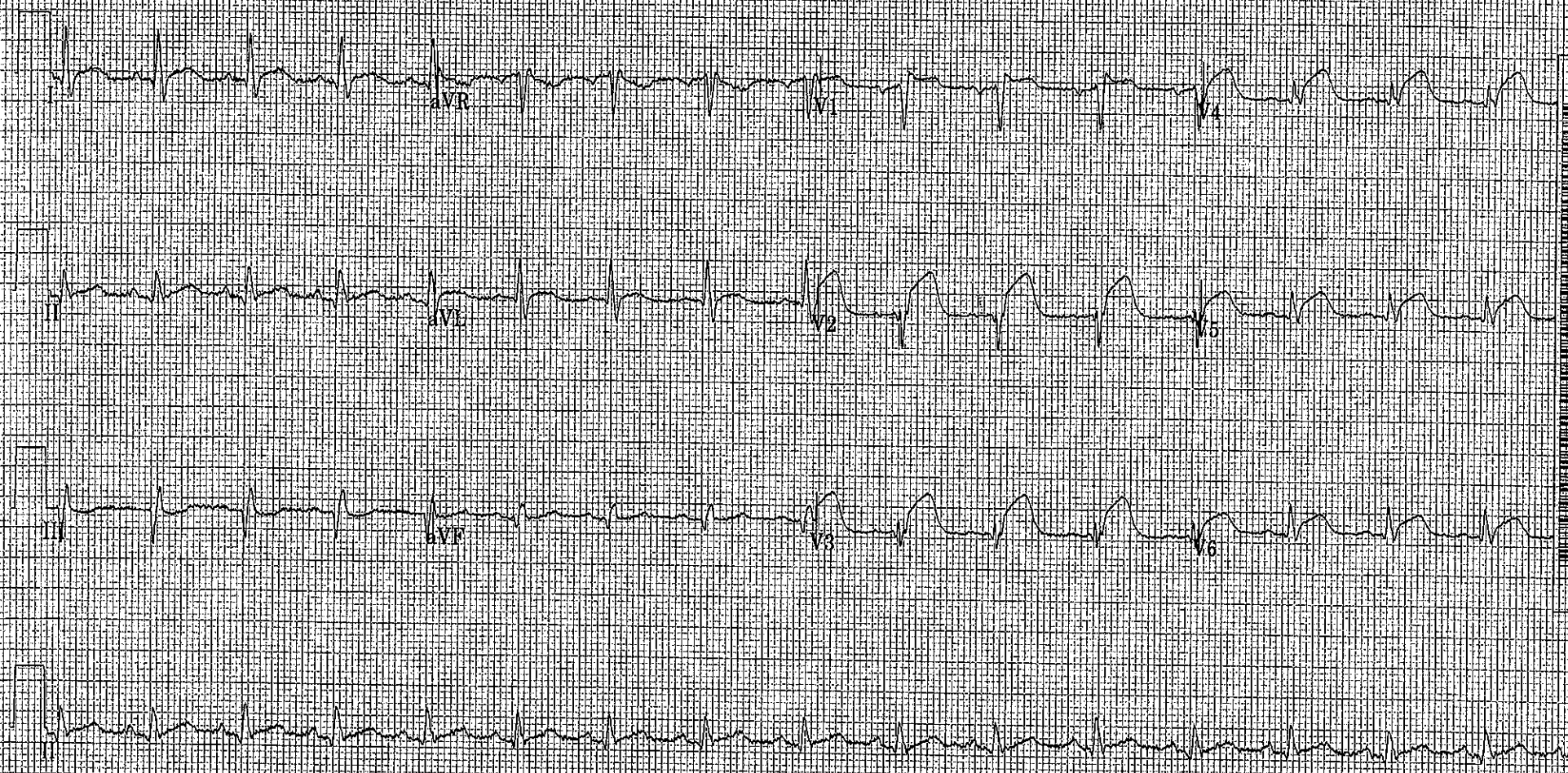
97 bpm  
154 ms  
104 ms  
0/444 ms  
2 14 29

Normal sinus rhythm  
Incomplete right bundle branch block  
Inferior infarct, age undetermined  
Anterolateral injury pattern  
**\*\* \*\* ACUTE MI \*\* \*\***  
Abnormal ECG

Post TNK - 60 min

Referred by:

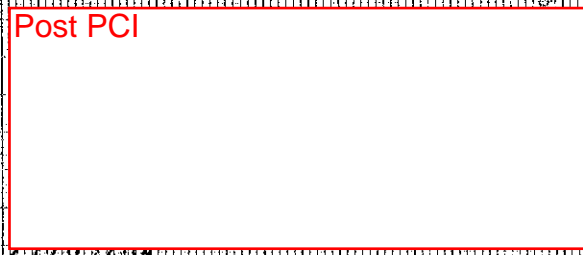
Unconfirmed



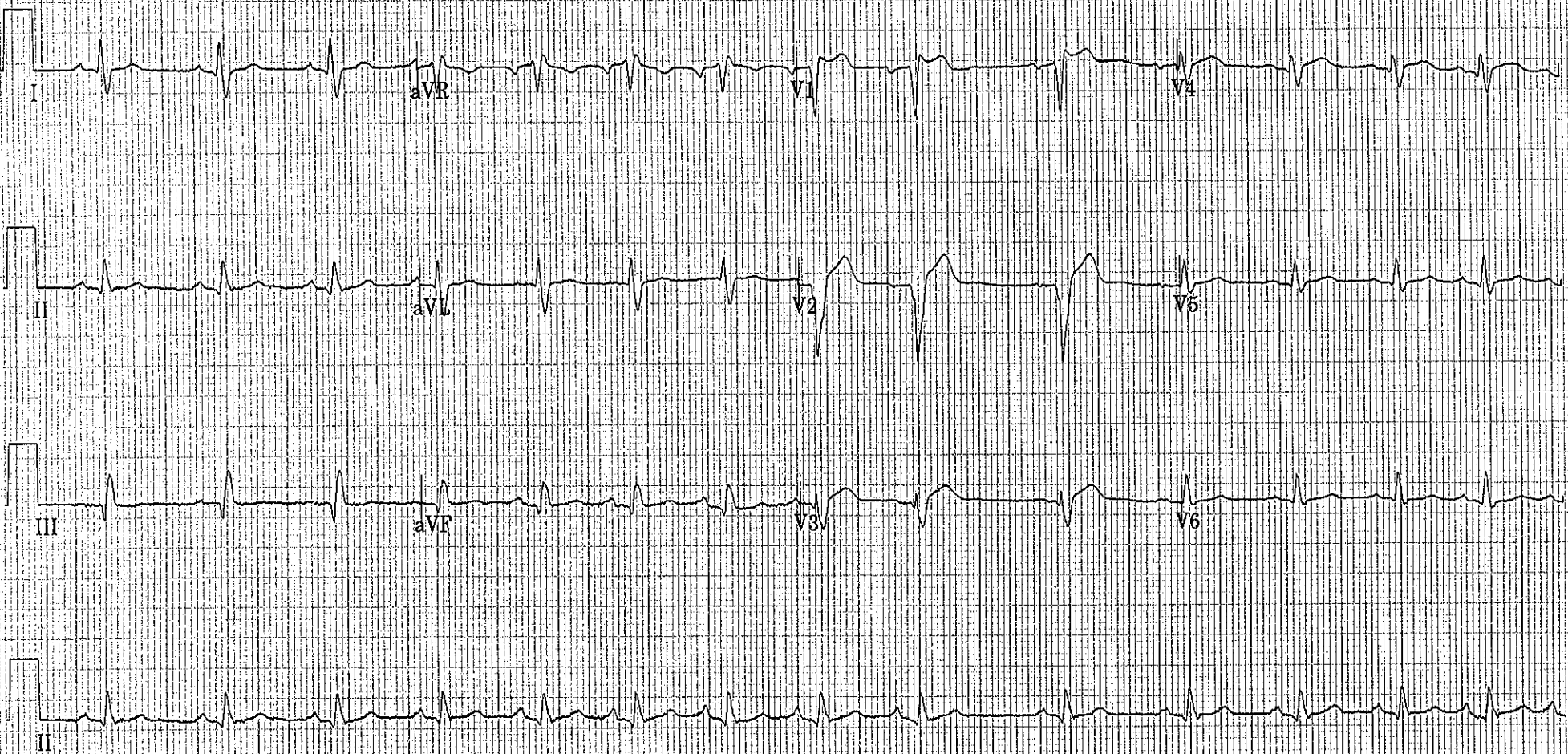
Vent. rate 86 bpm  
 PR interval 160 ms  
 QRS duration 112 ms  
 QT/QTc 352/421 ms  
 P-R-T axes 49 71 34

\*\*\* Poor data quality, interpretation may be adversely affected  
 Sinus rhythm with marked sinus arrhythmia  
 Incomplete right bundle branch block  
 Septal infarct, age undetermined  
 Possible Inferior infarct, age undetermined  
 Abnormal ECG

Post PCI



POST PCI ECG



Pre PCI



Post PCI

