Time is Muscle
Acute Myocardial Infarction
Edward J. Loughery, MD, FACC
Demographics

- 600,000 heart attacks/year
- 320,000 recurrent heart attacks/year
- First heart attack in males 64 years old in females 70 years old
- $156 Billion
- Leading cause of death
- 166,220/year out of hospital arrests: 6.7% survival
- Elderly population: Highest incidence and risk
In-Hospital Mortality and Door-to-Balloon Time

In-Hospital Mortality (%) vs. Door-to-Balloon Time (Min.)

- ≤90
- >90-120
- >120-150
- >150
Case Presentation

- 60 Year old female with Chest pain, Dyspnea, Diaphoresis
- Smoking, Hypercholesterolemia, Hypertension, Diabetes AND early Family Medical History
- 911
- EMS Evaluation and Transfer:
  - ER triage
  - EKG DIAGNOSIS IN 5 MINUTES
Prehospital Electrocardiogram

Showing Anterior Wall ST-Elevation Myocardial Infarction
Case Presentation

- Mobilize the Cath Lab Team
- ASA, Heparin, B-Blocker in ER
- Cath Lab
- Emergent PCI
Post Heart Attack Care

• Medication
• Devices
• Lifestyle/Risk Factor Management
• Cardiac Rehab
• Occupational Risk
THE A TEAM

- ER
- CATH LAB
- STAFF
- EMS
- SUPPORT STAFF
- PATIENT
- CCU
- ADMIN
- LAHEY

Cardiovascular Services

Beverly Hospital

Lahey Clinic