Overview

Acute Myocardial Infarction (MI)
Myocardial Infarction (Quick Reference)
Ferri: Ferri's Clinical Advisor 2009

Signs & Symptoms

The History: Major Symptoms Associated with Cardiac Disease
Using the History to Detect Cardiovascular Symptoms (includes Table)

Treatment & Management

Prognosis

Images

Drugs

Clopidogrel
Metoprolol
Morphine
Nitroglycerin

Refine Your Search

- Cardiogenic Shock
- Myocardial Infarction and Diabetes
- Myocardial Infarction and Hypertension
- Non-ST Segment Myocardial Infarction
- ST Segment Elevation Myocardial Infarction

Patient Education

- Heart Attack: Warning Signs and Tips on Prevention (English and Spanish versions)
- Heart Attack (English version)
1. SEQUENCE OF Q WAVES AND ST-T CHANGES WITH EVOLVING MYOCARDIAL INFARCTIONS

   From: Goldberger: Clinical Electrocardiography: A Simplified Approach, 7th ed. CHAPTER 8 - Myocardial Ischemia and Infarction

   SEQUENCE OF Q WAVES AND ST-T CHANGES WITH EVOLVING MYOCARDIAL INFARCTIONS

   To this point, the chapter has discussed the ventricular depolarization (QRS complex) and repolarization (ST-T complex) changes produced by an acute MI separately. As shown in Figures 8-4 and 8-5, these changes often occur sequentially. Ordinarily, the earliest...the reciprocal ST-T changes in the inferior leads (II, III, and aVF). A, Acute phase of an inferior wall myocardial infarction ST elevations and new Q waves. B, Evolving phase: deep T wave inversions. C, Resolving phase: partial or...

2. Can this patient safely undergo dental treatment so soon after a heart attack (or stroke)?

   From: Dutten: Practice of Geriatrics, 4th ed; Chapter 39 - Dental and oral disorders >> Questions frequently raised by dentists
Books

Alphabetically  Specialties

A
- ACLM: Legal Medicine, 7th ed. - 2007 - Mosby, An Imprint of Elsevier

B
The Clinics

- Adolescent Medicine Clinics
  Full text available from February 2004 - October 2005

- Anesthesiology Clinics
  Full text available from March 2007 - present

- Anesthesiology Clinics of North America
  Full text available from March 1996 - December 2006

- Cardiology Clinics
  Full text available from February 1996 - present

- Clinics in Chest Medicine
  Full text available from March 1996 - present

- Clinics in Family Practice
  Full text available from March 2000 - December 2005

- Clinics in Geriatric Medicine
  Full text available from February 2000 - present

- Clinics in Laboratory Medicine
  Full text available from March 2002 - present

- Clinics in Liver Disease
  Full text available from May 1997 - present

- Clinics in Perinatology
  Full text available from March 2000 - present

- Clinics in Sports Medicine
  Full text available from January 1997 - present

What's New in The Clinics

- Gastroenterology Clinics: September 2009
- Infectious Disease Clinics of North America: September 2009
- Sleep Medicine Clinics: September 2009

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Heart attack

Definition

A heart attack is when blood flow to a part of the heart is blocked, preventing enough oxygen from getting to the heart. The heart muscle dies or becomes permanently damaged. Your doctor calls this a myocardial infarction.

Alternative Names

Myocardial infarction (MI) or Acute MI

Causes

Most heart attacks are caused by a blood clot that blocks one of the coronary arteries. The coronary arteries bring blood and oxygen to the heart. If the blood flow is blocked, the heart starves for oxygen and heart cells die.

A clot most often forms in a coronary artery that has become narrow because of the build-up of a substance called plaque along the artery walls. (See atherosclerosis.) Sometimes, the plaque cracks and triggers a blood clot to form.
Nitroglycerin

Classification:

▶ Cardiovascular Agents
  ▶ Antianginals
  ▶ Nitrates

Description: Nitroglycerin, an organic nitrate available in many dosage forms, is a vasodilator proven to be the mainstay of therapy in the management of angina pectoris.
Practice Guidelines

- Acute Dialysis Quality Initiative
- Advisory Committee on Immunization Practices
- Agency for Healthcare Research and Quality
- Alberta Medical Association
- Alliance Working for Antibiotic Resistance Education (AWARE) Project
- Alzheimer's Association
- American Academy of Allergy, Asthma and Immunology
- American Academy of Audiology
- American Academy of Child and Adolescent Psychiatry
- American Academy of Clinical Toxicology
- American Academy of Critical Care Medicine
- American Academy of Dermatology, Inc.
- American Academy of Emergency Medicine
- American Academy of Family Physicians
- American Academy of Neurology (AAN)
- American Academy of Ophthalmology
- American Academy of Orthopaedic Surgeons (AAOS)
- American Academy of Otolaryngology-Head and Neck Surgery
- American Academy of Pain Medicine
- American Academy of Pediatrics (AAP)
Coronary heart disease and angina pectoris. CHD = coronary heart disease; includes heart attack.

Libby, Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine

Association between plasma renin activity (PRA) level and future myocardial infarction in patients...

Brenner, Brenner and Rector's The Kidney

Stages of heart failure (HF). 4S = Scandinavian Simvastatin Survival Study; AFCAPS-Texcaps = Arr...

Goldman: Cecil Medicine

Effect of clopidogrel when added to aspirin (ASA) in ST-elevation myocardial infarction (STEMI)...

Libby: Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine
**My Top Specialty Stories**

* Orthopedic Surgery

- AUG 26 Secondary procedure relieves stiffness after rotator cuff repair
- AUG 25 Knee strengthening shows benefits for obese patients with knee pain

**Recent Top Stories**

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- AUG 30 Regardless of WHO alerts, many health care workers unwilling to accept flu vaccine
- AUG 30 Retinopathy, neuropathy tied to increased aortic stiffness in type 2 diabetes
- AUG 30 Self-sampling of phone callers helps monitor H1N1 transmission
- AUG 28 CDC to host public online forum for H1N1 vaccination issues
- AUG 28 Office test for oseltamivir-resistant pandemic influenza A(H1N1) available
- AUG 27 Pandemic influenza A(H1N1) found in 50% of flu samples during New Zealand’s winter
- AUG 27 Basic infection control measures may be the best protection against H1N1
- AUG 27 FDA expands use of antivirals, rapid H1N1 testing
- AUG 27 Immunization rates remain stable at high levels among young children in the US
- AUG 27 Panel calls for more research on role of family history in improving disease outcomes
- AUG 26 A tale of two centers: International comparison reveals U.S. shortcomings in clinical trial enrollment

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- Treatment recommendations for upcoming flu season
- Rapid urine test detects chlamydial infection in men

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  - The New England Journal of Medicine
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  - British Medical Journal
  - Annals of Internal Medicine
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