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What Your Colleagues Are Reading

- *JAMA*: Continued declines in antibiotic prescribing for acute respiratory infections (Summary)
- *Lancet*: Treating high systolic blood pressure in non-diabetic patients could be beneficial (Summary)
- Noninvasive ventilation: A systematic review lending support to use in severe asthma from the August issue of *Journal of Allergy and Clinical Immunology* (Full-text)

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News & Updates

- Revascularization with device is key to achieving good outcomes in acute stroke
- Oseltamivir-resistant novel influenza A (H1N1) identified in US for the first time
- Design of new long-acting opioid Embeda may temper potential for abuse

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Recommended Resources

Top Results from All Sections

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Overview

Acute Myocardial Infarction (MI)

Marx: Rosen's Emergency Medicine: Concepts and Clinical Practice, 6th ed.

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)

Recommended Resources

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Reference Books

Topics

- 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: **Duthie: Practice of Geriatrics, 4th ed.**; Chapter 39 - Dental and oral disorders >> Questions frequently raised by dentists

By Book

- 1 Libby: Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine - 1261 Results
- 2 Goldman: Cecil Medicine - 370 Results
- 3 Marx: Rosen's Emergency Medicine: Concepts and Clinical Practice - 217 Results
- 4 Miller: Miller's Anesthesia - 171 Results
- 5 Rakel: Textbook of Family Medicine - 146 Results

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Books

Alphabetically

Specialties

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

- **New Edition -**
Abeloff: Abeloff's Clinical Oncology, 4th ed. - 2008 - Churchill Livingstone, An Imprint of Elsevier
- **ACLM:** Legal Medicine, 7th ed. - 2007 - Mosby, An Imprint of Elsevier
- **ACLM:** The Medical Malpractice Survival Handbook, 1st ed. - 2007 - Mosby, An Imprint of Elsevier
- **New Edition -**
Adam: Grainger & Allison's Diagnostic Radiology, 5th ed. - 2008 - Churchill Livingstone, An Imprint of Elsevier
- **New Edition -**
Adkinson: Middleton's Allergy, 7th ed. - 2008 - Mosby, An Imprint of Elsevier
- **Apgar:** Colposcopy, 2nd ed. - 2008 - Saunders, An Imprint of Elsevier
- **Auerbach:** Wilderness Medicine, 5th ed. - 2007 - Mosby, An Imprint of Elsevier

B

- **Baker:** Local Flaps in Facial Reconstruction, 2nd ed. - 2007 - Mosby, An Imprint of Elsevier
- **Bassett:** Diagnosis of Diseases of the Breast, 2nd ed. - 2005 - Saunders, An Imprint of Elsevier
- **Bibbo & Wilbur:** Comprehensive Cytopathology, 3rd ed. - 2008 - Saunders, An Imprint of Elsevier
- **Black:** Obstetric and Gynecologic Dermatology, 3rd ed. - 2008 - Mosby, An Imprint of Elsevier
- **Bologna:** Dermatology, 2nd ed. - 2008 - Mosby, An Imprint of Elsevier

What's New in Books

- **New Edition:** DeLee: DeLee and Drez's Orthopaedic Sports Medicine, 3rd ed.
- **New Edition:** Kumar: Robbins and Cotran Pathologic Basis of Disease, 8th ed.
- **New Edition:** Miller: Miller's Anesthesia, 7th ed.

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- [Clinics in Perinatology](#)
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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**.

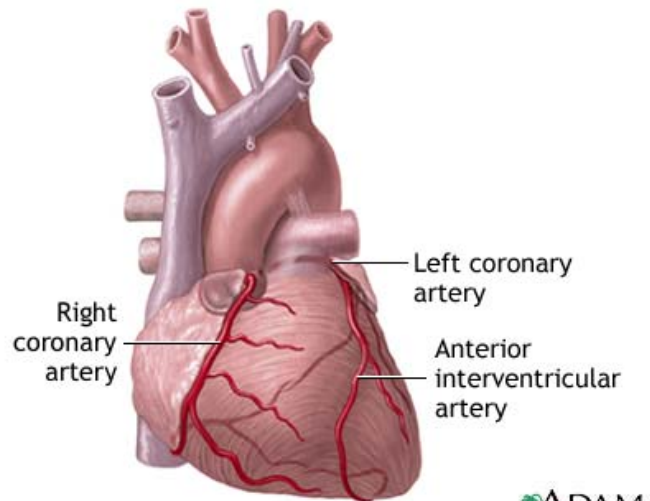
Alternative Names

Myocardial infarction; MI; 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.



Community Hospital

Dr. Jonathan Doe

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Minitran Transdermal Patch (Film ER 0.1 mg/hr)

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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

Topics (A-Z) Specialties **Authoring Organizations**

- 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)

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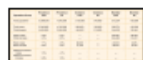
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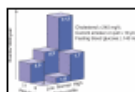
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Coronary heart disease and angina pectoris. CHD=coronary heart disease; includes heart attack,....

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



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

Brenner: Brenner and Rector's The Kidney



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

Goldman: Cecil Medicine



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

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Top Stories from Last Week

- Treating high systolic blood pressure in non-diabetic patients could be beneficial
- Treatment recommendations for upcoming flu season
- Rapid urine test detects chlamydial infection in men

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In This Week's Journals

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