Call today for an appointment: (815)740-1900

Hospital Affiliations

|

Careers

|

Insurance

|

Locations

|

Contact

Home

About Our Practice

Meet Our Doctors

Services We Provide

In The News

Heartland Cardiovascular Center

Request An Appointment

Request A Prescription

Patient Forms

Pay Your Bills Online

Heartland Treatments

Heartland Foundation

News From the Heartland

From the Doctor's Desk

Patient Education

ICAEL

Facebook

View All Print

Pericarditis - Inflammation of the Heart Sac

Introduction | Anatomy | Causes | Symptoms | Diagnosis | Treatment | Prevention | Am I at Risk | Complications

Introduction

Pericarditis is an inflammation of the sac that surrounds the heart. When a cause can be found an infection, systemic disease, or autoimmune disorder most commonly causes it. Pericarditis can cause sharp stabbing chest pain and difficulty breathing. You should contact your doctor immediately if you suspect that you have pericarditis. It may be treated with medications or minor surgery. If left untreated, pericarditis can be life threatening.

Back to Top

Anatomy

The pericardium is a thin sac-like membrane that covers the outside of the heart and the roots of the blood vessels that are attached to the heart. The pericardium has an inner and outer layer. The layers have a small amount of lubricating fluid between them. The lubricant allows the layers to move easily when the heart contracts.

Back to Top

Causes

Pericarditis is an inflammation of the pericardium. In most cases, the exact cause of pericarditis is unknown. However, a viral, bacteria, or fungal infection may cause it. It can result from a heart attack, cancer that has spread, radiation treatment, injury, or surgery. It is associated with some medical conditions, including rheumatoid arthritis, lupus, kidney failure, tuberculosis, cancer, leukemia, HIV, AIDS, and hypothyroidism. In children, adenovirus or Coxsackie virus most frequently causes pericarditis.

Back to Top

Symptoms

Chest pain is a common symptom of pericarditis. The pain may spread to your neck and shoulder, back, or abdomen. The pain may be sharp and stabbing. Deep breathing, coughing, lying flat, and swallowing may cause your pain to increase. Sitting up or leaning forward may reduce the pain.

It may be difficult to breathe when you lay down. You may need to bend over or hold your chest while you breathe. You may not feel well in general and have a fever, dry cough, and anxiety. You may feel tired all of the time. Additionally, your ankle, feet, and legs may swell.

Back to Top

Diagnosis

You should contact your doctor immediately if you suspect that you have pericarditis. A doctor can begin to diagnose pericarditis after reviewing your medical history and conducting a physical examination and some tests. You should tell your doctor about your risk factors and symptoms. Your doctor will listen to your heart and lungs. Your blood will be tested for signs of infection or inflammation markers that may indicate pericarditis. In some cases, tests may be conducted to rule out a heart attack or the fluid from around the heart may be collected and cultured.

Imaging tests may be used to see if you have fluid buildup in the pericardium, signs of inflammation, scarring, or an enlarged heart. A chest X-ray, magnetic resonance imaging (MRI) scans, or computed tomography (CT) scans are common imaging tests. An echocardiogram uses sound waves to produce an image of the heart on a monitor. An electrocardiogram (ECG) can record the heart's electrical activity which can be altered by pericarditis. Radionuclide scanning involves using a harmless radioactive dye that is detected by special scanners to create an image of the heart.

Back to Top

Treatment

The treatment that you receive depends on the cause of your pericarditis. Medications may be used to relieve pain, reduce fluid buildup and treat infections. In some cases, the fluid may need to be drained from the sac with a minor surgical procedure. The outcome for pericarditis is good if it is treated promptly.

Back to Top

Prevention

You should contact your doctor immediately if you suspect that you have pericarditis. Untreated pericarditis can lead to life-threatening medical complications.

Back to Top

Am I at Risk

Pericarditis most frequently affects men that are between the ages of 20 and 50 years old following a respiratory infection. People with influenza, systemic diseases, or autoimmune conditions have a risk of developing pericarditis. In some cases, pericarditis may occur as a result of a heart attack.

Back to Top

Complications

Chronic or untreated pericarditis can cause life-threatening medical problems. It can lead to irregular heart beats and heart failure.

Back to Top

Copyright © - iHealthSpot, Inc. - www.iHealthSpot.com

This information is intended for educational and informational purposes only. It should not be used in place of an individual consultation or examination or replace the advice of your health care professional and should not be relied upon to determine diagnosis or course of treatment.

The iHealthSpot patient education library was written collaboratively by the iHealthSpot editorial team which includes Senior Medical Author Dr. Mary Car-Blanchard, OTD/OTR/L and the following editorial advisors: Steve Meadows, MD, Ernie F. Soto, DDS, Ronald J. Glatzer, MD, Jonathan Rosenberg, MD, Christopher M. Nolte, MD, David Applebaum, MD, Jonathan M. Tarrash, MD, and Paula Soto, RN/BSN. This content complies with the HONcode standard for trustworthy health information. The library commenced development on September 1, 2005 with the latest update/addition on February 10th, 2011.

iHealthSpot

Home

|

Privacy Policy

|

Contact Us

|

Employee Login

|

Sitemap

Copyright © 2017 Heartland Cardiovascular Center, LLC. All Rights Reserved.

1300 Copperfield Road, Specialty Care Pavilion, Suite 3030, Joliet IL 60432 (815) 740-1900