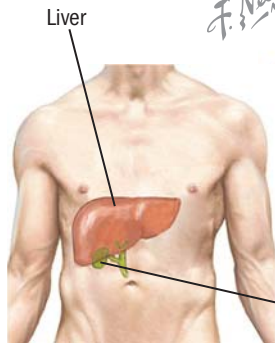


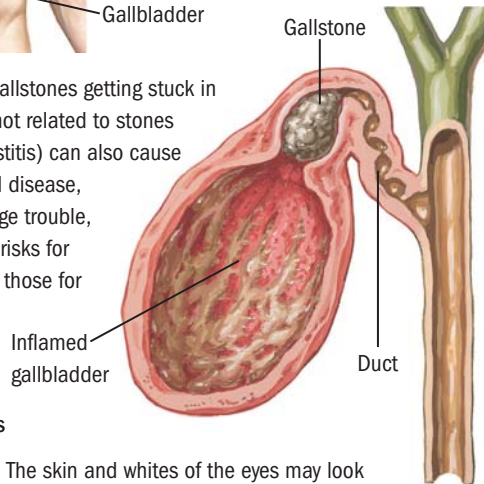
# MANAGING YOUR CHOLECYSTITIS

Cholecystitis (also known as a gallbladder attack) is an inflammation of the gallbladder causing severe pain. It occurs most often in women over 40.



The gallbladder is a small sac located under the liver. It stores bile that the liver makes and squirts it into the bowel when meals are eaten. Bile helps digest fats.

The usual cause is gallstones getting stuck in the duct. Problems not related to stones (acalculous cholecystitis) can also cause it, such as sickle cell disease, infections, bile storage trouble, and diabetes. Other risks for cholecystitis are like those for gallstones.

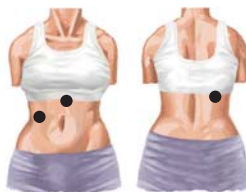


## Signs and symptoms



The skin and whites of the eyes may look yellow if the main duct bringing bile to the intestines is blocked by a stone.

Belching, nausea, and vomiting after meals



The most common symptom is pain (area of pain indicated by black circles). The pain is worse upon breathing in or moving, or when pressing on the area.

Your doctor makes a diagnosis from your medical history and physical examination. X-rays, blood tests, and ultrasonography will confirm it.



## What Is Cholecystitis?

The gallbladder is a small sac located under the liver. It stores bile that the liver makes and squirts bile into the bowel (intestine) when a meal is eaten. Bile helps digest fats in the food. Cholecystitis is inflammation of the gallbladder. It's often called a gallbladder attack. Cholecystitis is usually caused by gallstones that get stuck in the duct (tube) that takes bile from the gallbladder to the bowel.

## What Causes Cholecystitis?

Cholecystitis is usually caused by gallstones (called cholelithiasis) but it can also be related to problems with bile being made or stored in the gallbladder. This other type is called acalculous, meaning without calculi (stones). Other causes are sickle cell disease, infections, and diabetes. The acalculous type is found more often in older men, very sick people, or bedridden elderly people. Other risk factors for cholecystitis are like those for gallstones. They include age, female sex, certain ethnic groups (such as Native Americans), obesity, fasting, high-fat diet, losing and gaining weight excessively, drugs, and pregnancy.

## What Are the Symptoms of Cholecystitis?

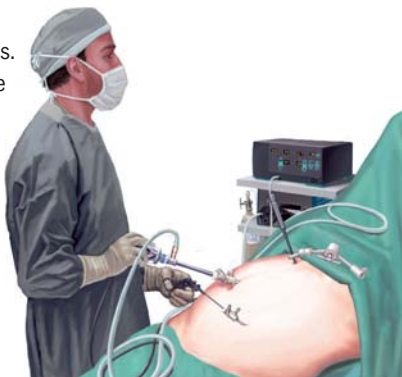
The most common symptoms are pain and cramping in the upper right side of the abdomen (belly). Pain in the chest, upper back, or right shoulder may also occur. Pain is worse with breathing in or moving or when pressure is on the area. Belching, nausea, and vomiting can occur, usually after eating high-fat foods. Low temperature, yellow skin and whites of the eyes, pale stools (bowel movements), and itchy skin may occur if the main duct bringing bile to the intestines is blocked by a stone. An infected gallbladder may cause high temperature and chills.

## How Is Cholecystitis Diagnosed?

The doctor makes a diagnosis from a medical history and physical examination. X-rays, blood tests, and ultrasonography will confirm it. When ultrasonography shows unclear results, the doctor uses a special x-ray test (HIDA scan).

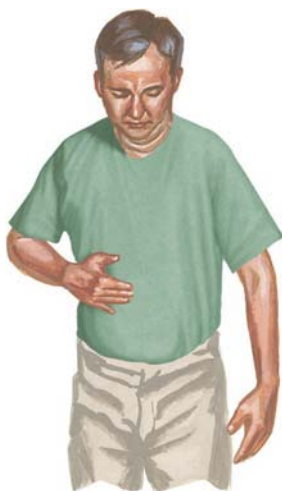
## MANAGING YOUR CHOLECYSTITIS

The doctor may observe, not treat, people without symptoms. People needing treatment have the gallbladder removed by surgery (cholecystectomy). Laparoscopic removal, which uses four tiny cuts instead of one big one, is usual. It allows shorter recovery and can be an outpatient surgery.



Removing the gallbladder doesn't affect normal living, except for occasional indigestion when eating fatty foods for 6 to 12 months after removal. This problem usually goes away.

Don't eat high-fat foods, extra large meals, and foods that cause symptoms. Don't fast for long periods or go on crash diets.



Tell your doctor if you have pain that you think may be caused by gallstones. Call your doctor right away if you get a fever with abdominal pain.



### How Is Cholecystitis Treated?

For treatment, the gallbladder and gallstones are removed by surgery (cholecystectomy). Laparoscopic removal is the usual method. It allows shorter recovery and can be an outpatient surgery. For laparoscopic removal, the surgeon makes four tiny cuts in the abdomen. The surgeon uses instruments through these cuts to remove the gallbladder. If laparoscopic surgery cannot be used, standard surgery is done, which will require a prolonged hospital stay.

Removing the gallbladder doesn't affect normal living, except for occasional indigestion when eating fatty foods for 6 to 12 months after gallbladder removal. This problem usually goes away.

Drugs can also be used to dissolve stones, but medicines can take months or years to work and are only rarely used.

### DOs and DON'Ts in Managing Cholecystitis:

- ✓ **DO** tell your doctor if you have pain that you think may be caused by gallstones.
- ✓ **DO** call your doctor right away if you get a fever with abdominal pain.
- ✓ **DO** maintain a normal weight.
- ⊗ **DON'T** eat meals high in fat, extra large meals, and foods that cause symptoms. Fatty foods make the gallbladder contract and may squeeze a stone into the duct. Avoid high-fat meals.
- ⊗ **DON'T** fast for long periods or go on crash diets.

### FOR MORE INFORMATION

#### Contact the following sources:

- National Digestive Diseases Information Clearinghouse  
Tel: (301) 654-3810, (800) 891-5389  
**Website:** <http://www.niddk.nih.gov/health/digest/nddic.htm>
- MedlinePlus  
**Website:** <http://www.nlm.nih.gov/medlineplus/gallbladderdiseases.html>
- American Gastroenterological Association  
Tel: (301) 654-2055  
**Website:** <http://www.gastro.org>
- American College of Gastroenterology  
Tel: (703) 820-7400  
**Website:** <http://www.acg.gi.org>
- American College of Surgeons  
Tel: (312) 202-5000, (800) 621-4111  
**Website:** <http://www.facs.org>

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