



Primary Biliary Cirrhosis

Primary biliary cirrhosis, also known as PBC, is a disease that slowly destroys the liver's bile ducts. Bile is a substance produced in the liver that helps digest fat in the small intestine and remove toxins from the body. When the ducts are damaged, bile builds up in the liver and damages liver tissue. Biliary cirrhosis can develop over time and may cause the liver to stop working.

The cause of primary biliary cirrhosis is unknown. The disease affects women more often than men and usually occurs between the ages of 30 and 60 years. Some research suggests that the disease may be an autoimmune disorder.

WHAT ARE THE SYMPTOMS OF PRIMARY BILIARY CIRRHOSIS?

The first and most common symptoms of primary biliary cirrhosis are itchy skin and fatigue. Other symptoms may eventually develop, including

- jaundice, which leads to a yellowing of the eyes and skin
- fatty deposits under the skin
- fluid retention
- dry eyes and mouth

In the later stages of the disease, some people develop osteoporosis, arthritis, and thyroid problems.

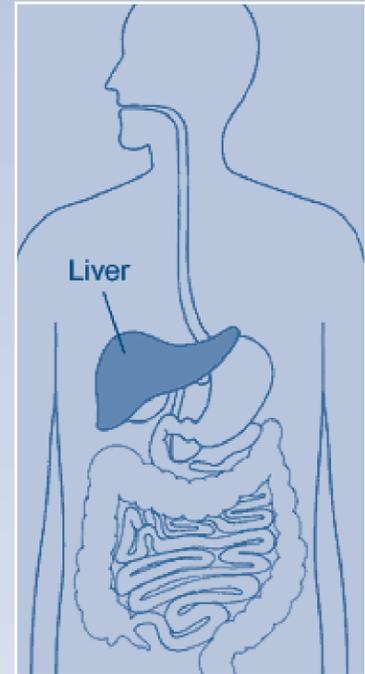
HOW IS PRIMARY BILIARY CIRRHOSIS DIAGNOSED?

Primary biliary cirrhosis is diagnosed through laboratory tests, x rays, and in some cases, a liver biopsy to help to determine the extent of disease progression. A liver biopsy uses a thin needle to remove a small sample of liver tissue. The sample is then examined with a microscope.

HOW IS PRIMARY BILIARY CIRRHOSIS TREATED?

Initial treatment is usually aimed at relieving symptoms. Vitamin replacement therapy, calcium supplements, and drugs to treat itching are usually prescribed.

Some patients have also benefited from ursodeoxycholic acid (Urso 250 and URSO Forte), which is the only drug approved by the U.S. Food and Drug Administration for the treatment of primary biliary cirrhosis. Ursodiol (Actigall) has also helped some patients by increasing bile flow. Neither of these drugs cure the disease, but they can help delay its progression. If the liver becomes severely damaged, a transplant may be necessary.



FOR MORE INFORMATION

■ American Liver Foundation

75 Maiden Lane, Suite 603
New York, NY 10038
Phone: 1-800-GO-LIVER (465-4837), 1-888-4HEPUSA (443-7872),
or 212-668-1000
Fax: 212-483-8179
Email: info@liverfoundation.org
Internet: www.liverfoundation.org

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The NIDDK Reference Collection is a collection of thousands of materials produced for patients and health care professionals, including fact sheets, brochures, and audiovisual materials.
Visit www.catalog.niddk.nih.gov/resources.

MedlinePlus brings together a wealth of information from the National Library of Medicine, the National Institutes of Health, and other government agencies and health-related organizations. MedlinePlus offers easy access to medical journal articles, a medical dictionary and medical encyclopedia, health information in Spanish, hospital and physician directories, drug and supplement lists, interactive patient tutorials, links to hundreds of clinical trials, and the latest health news. Visit www.medlineplus.gov.

■ National Digestive Diseases Information Clearinghouse

2 Information Way
Bethesda, MD 20892-3570
Phone: 1-800-891-5389
TTY: 1-866-569-1162
Fax: 703-738-4929
Email: nddic@info.niddk.nih.gov
Internet: www.digestive.niddk.nih.gov

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