



PATIENT EDUCATION HANDOUTS

Yeast Infection (Candidiasis)

What is a yeast infection?

A yeast infection is a condition caused by the fungus *Candida albicans*. It is also called candidiasis. The yeast may infect the vagina, mouth, or other moist areas on the skin.

How does it occur?

Yeast organisms are normally present in the rectal and vaginal areas. Yeast causes trouble only when there are too many of them. Sometimes the yeast grows (multiplies) quickly and causes an infection.

There are several situations in which the yeast may multiply. Sometimes, if you are taking antibiotics, it can kill the bacteria that normally keep yeast levels down. Conditions that cause hormonal changes, such as menopause, pregnancy, or taking birth control pills, may also cause the yeast to grow. Yeast infections are often associated with diabetes, especially when the blood sugar level is too high. Recurring or stubborn cases may sometimes be an early sign of diabetes. In some cases, yeast infections that don't go away are an early sign of HIV infection. Drugs that reduce the body's defenses, such as drugs used to treat AIDS, also allow the yeast to grow and spread.

A yeast infection is usually is not spread by sexual intercourse.

What are the symptoms?

In women, symptoms may include:

- a discharge from the vagina that is thick and white and looks like paste or cottage cheese
- itching
- redness of the outer part of the vagina (the vulva)
- a burning feeling when you urinate.

Some women have no symptoms.

In men, the yeast can cause swelling and redness on the penis and foreskin. Yeast infections of the penis are more common when the penis is uncircumcised.

If the mouth is infected, the lining of the mouth is often red and sore. Sometimes the yeast causes white spots and patches on the tongue and cheek lining. This is called "thrush." The yeast can cause creamy-yellow, raised sores on the mouth.

On the skin a yeast infection produces an itchy red rash. Often the rash is a red patch with small red bumps around it.

How is it diagnosed?

Your healthcare provider will ask about your symptoms and examine you. The diagnosis may be obvious from your symptoms and your exam. Your provider may collect samples of cells from places you are having symptoms, such as the mouth or vagina. A few cells scraped from a skin rash may also show yeast when viewed under a microscope.

How is it treated?

Medicines are available as suppositories, creams, and tablets to be taken by mouth. Some medicines you can buy without a prescription, such as miconazole nitrate (Monistat-7) and clotrimazole (Gyne-Lotrimin, Mycelex-7, and FemCare). You should see your healthcare provider before you use any of these nonprescription products, especially if:

- you have never had a yeast infection
- there is any doubt that yeast is the cause of your symptoms
- you are sexually active.

Suppository tablets

Your provider may recommend a suppository. A suppository is a tablet that is pushed up into the vagina each evening just before you go to bed. You will do this for 3 or 7 nights, depending on the type of suppository. Your body temperature will melt the suppository, so you may want to wear a sanitary pad to protect your clothing. Continue using the suppositories even if your menstrual period occurs during this time.

Vaginal cream

Sometimes it is necessary to use vaginal cream instead of or in addition to vaginal suppositories. For example, it may be necessary if the outside part of your vagina is red, swollen, and itchy. The vaginal cream may be applied 2 times a day for 4 to 7 days, depending on how bad your symptoms are.

Other medicines

If you have tried one of the nonprescription medicines and it has not worked for you, your provider may prescribe a medicine such as an antifungal medicine taken by mouth.

Treatment for yeast infections will not help or cure sexually transmitted infections such as chlamydia, gonorrhea, or trichomonas.

How long will the effects last?

With proper treatment, the infection usually clears up in a few days to a week.

How can I take care of myself?

If you have a vaginal yeast infection, follow these guidelines:

- Follow the full treatment prescribed by your healthcare provider.
- Avoid sexual intercourse until the infection is gone.
- After urinating, wipe gently to avoid irritation.
- Use unscented soaps.
- Avoid using douches and other chemicals, such as bubble bath or hygiene spray, in the vaginal area

unless recommended by your healthcare provider.

- Take a shower instead of a bath. Pat the genital area dry.
- Wear cotton underwear to allow ventilation and to keep the area drier.
- Lose weight if you are obese.
- If you are diabetic, maintain a normal blood sugar.

If you have been diagnosed previously with a yeast infection, try using a nonprescription medicine the next time you have a yeast infection. If your symptoms do not improve, then you should see your healthcare provider.

When should I call my healthcare provider?

See your healthcare provider promptly if you have repeated yeast infections within a 2-month period or a yeast infection that persists despite treatment. Let your provider help you be certain that yeast infection is the problem and, if it is, to determine why it's not responding to treatment.

What can be done to prevent a yeast infection?

To prevent yeast infection follow these guidelines:

- Keep moist areas of the body cool and dry.
- Avoid wearing a wet bathing suit or damp clothing for long periods of time.
- Avoid frequent douching.
- Avoid bubble baths (scented or unscented).
- Avoid wearing underwear made from nylon or other nonventilating materials.
- Avoid wearing tight pantyhose or tight pants.
- Add yogurt to your diet.
- Avoid frequent or prolonged use of oral antibiotics if possible.

Published by McKesson Corporation.

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Pediatric Advisor

Reviewed 9 June 2008