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Vaginitis

Vaginitis is an inflammation of a woman's vagina. As many as one third of women will have symptoms of vaginitis sometime during their lives. Vaginitis affects women of all ages. There are many possible causes, and the type of treatment depends on the cause.

This pamphlet tells you about the symptoms, causes, and treatment of some of the most common types of vaginitis. It also explains how to prevent getting an infection.

The Vagina

The vagina has a normal discharge fluid that is clear or cloudy and whitish. A healthy vagina keeps a balance of many organisms, such as bacteria and yeast.

Many factors can affect the normal balance of the vagina:

- Antibiotics
- Changes in the body's normal hormone levels, such as those that occur with pregnancy, breast-feeding, or menopause
- Douches
- Spermicides
- Sexual intercourse
- Sexually transmissible diseases (STDs)

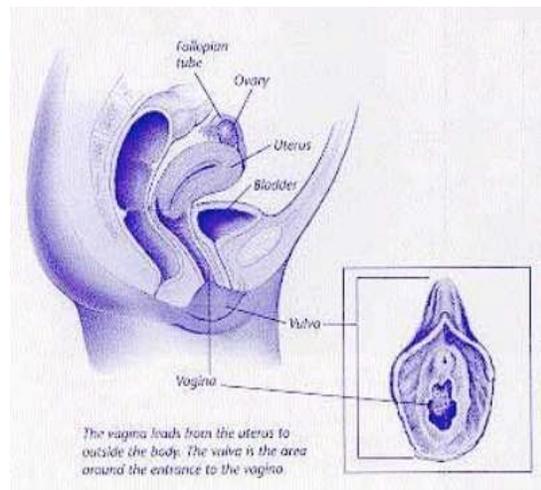
A change in the normal balance can allow either yeast or bacteria to increase and result in vaginitis. Vaginitis can result from irritation, from growth of organisms in the vagina, or from infection.

Diagnosis and Treatment

To diagnose vaginitis, your doctor will take a sample of the discharge from your vagina and look at it under a microscope. Your doctor may also suggest other tests. To ensure the results of the test are accurate, do not douche or use any vaginal medications or spermicide before you see your doctor.

Treatment may depend on the cause of the vaginitis, as well as on your special needs. For instance, some medications may not be used during pregnancy. Treatment may be either with a pill or by applying a cream or gel to the vagina.

Follow your doctor's instructions exactly, even if the discharge or other symptoms go away before you finish the medication. Even though the symptoms disappear, the infection could still be



present. Stopping the treatment may cause symptoms to come back. If symptoms recur after the treatment is finished, see your doctor again? a different treatment may be needed.

Types of Vaginitis

Yeast Infection

Yeast infection is also known as candidiasis. It is one of the most common types of vaginal infection.

Cause. Yeast infection is caused by a fungus called *Candida*. It is found in small numbers in the normal vagina. However, when the balance of the vagina is changed, the yeast may overgrow and cause infection.

Many women who take antibiotics will get yeast infections. The antibiotics kill normal vaginal bacteria, and the yeast then has a chance to overgrow. A woman is more likely to get yeast infections if she is pregnant or has diabetes. Overgrowth of yeast can also occur if the body's immune system, which protects the body from disease, isn't working well. For example, in women infected with *HIV* (human immunodeficiency virus), yeast infections may be severe. They may not go away, even with treatment, or may recur often. In many cases, the cause of a yeast infection is not known.

Symptoms. The most common symptoms of a yeast infection are itching and burning of the vagina and vulva. The burning may be worse with urination or sex. The vulva may be red and swollen. The vaginal discharge is usually white and has no odor. It may look like cottage cheese. Some women with yeast infections notice an increase or change in discharge. Others do not notice a discharge at all. Some women may have no symptoms.

Treatment. Yeast infections are usually treated by placing medication into the vagina. Some doctors may prescribe a single dose you take by mouth. In most cases, treatment of male sex partners is not necessary.

You can buy over-the-counter yeast medication, but be sure to see your doctor if:

- This is the first time you've had a vaginal infection
- Your symptoms do not go away after treatment
- Your vaginal discharge is yellow or green or has a bad odor
- There is a chance that you have an STD

Sometimes a woman thinks she has a yeast infection when she actually has another problem. The medication may mask another cause for vaginitis. If there is another cause, it may be harder to find if a woman is taking medication for a yeast infection.

Bacterial Vaginosis

Causes. The bacteria that cause ***bacterial vaginosis*** occur naturally in the vagina. Bacterial vaginosis is caused by overgrowth of several of these bacteria. It is not clear whether it can be passed through sex.

What You Can Do

There are a number of things you can do to lower the risk of getting vaginitis:

- Do not use feminine hygiene sprays or scented, deodorant tampons. You should not try to cover up a bad odor. It could be a sign of infection that should prompt you to see your doctor. Do not douche. It is better to let the vagina cleanse itself.
- Thoroughly clean diaphragms, cervical caps, and spermicide applicators after each use.
- Use condoms during sex.

Check with your doctor about preventing yeast infections if you are prescribed antibiotics for another type of infection.

Symptoms. The main symptom is increased discharge with a strong fishy odor. The odor is stronger during your menstrual period or after sex. The discharge is thin and dark or dull gray. Itching is not common, but may be present if there is a lot of discharge. Some women may have no symptoms.

Treatment. Two antibiotics are used to treat bacterial vaginosis. One is a drug called **metronidazole**. It can be taken by mouth or applied to the vagina as a gel. The other drug is called **clindamycin**. It can also be taken by mouth or applied to the vagina as a cream.

When metronidazole is taken by mouth, it can cause side effects in some patients. These include nausea, vomiting, and darkening of urine. Do not drink alcohol when taking metronidazole. The combination can cause severe nausea and vomiting.

Usually there is no need to treat a woman's sex partner. But if the woman has repeated infections, treatment of the partner may be helpful. Some doctors may suggest that the couple not have sex or that they use a condom during treatment.

Bacterial vaginosis often comes back. It may require long-term or repeated treatment. In most cases, treatment eventually works in time. Sometimes when bacterial vaginosis keeps coming back it may mean that you have another STD. Your doctor may test you for other infections.

Trichomonas Vaginitis

Causes. *Trichomonas* is a parasite that is spread through sex. Women who have **trichomonas vaginitis** are at higher risk for infection with other STDs.

Symptoms. Signs of trichomoniasis may include a yellow-gray or green vaginal discharge. The discharge may have a fishy odor. There may be burning, irritation, redness, and swelling of the vulva and vagina. Sometimes there is pain during urination.

Treatment. Trichomoniasis is usually treated with a single dose of metronidazole by mouth. Do not drink alcohol for 24 hours when taking this drug because it causes nausea and vomiting. Sexual partners must be treated at the same time for treatment to work.

Atrophic Vaginitis

This type of vaginitis is linked with not having enough **estrogen**. It can occur during breastfeeding and after menopause. Symptoms include vaginal dryness and burning. Atrophic vaginitis is treated with estrogen, either taken by mouth or applied as a vaginal cream. If for some reason a woman cannot take estrogen, she may find a water-soluble lubricant helpful.

Finally...

At the first sign of any abnormal discharge or symptoms of vaginitis, contact your doctor so that the problem can be properly diagnosed and treated. Although vaginitis can be annoying and uncomfortable, it can almost always be successfully treated once the cause has been found.