

VAGINAL INFECTIONS



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FEMOXIL
VAGINAL SUPPOSITORIES

While the use of cosmetic and hygiene products like shampoos and shaving creams have been shown to have a detrimental effect on the pH environment of the vagina, pregnancy and the menstrual cycle as well as contraceptive use can cause conditions like vaginitis.

VAGINAL INFECTIONS:

- Vaginal atrophy (also called atrophic vaginitis): Thinning, drying, and inflammation of the vaginal walls and lining that cause irritated vaginal mucosa that may occur when your body has less estrogen. Atrophic vaginitis occurs most often after menopause. For most women, atrophic vaginitis results in itching, burning and pain during sex, among other symptoms. The condition also includes urinary tract problems such as urinary tract infections (UTIs) and frequent urination.
- Mycotic vaginitis (also known as mycosis): A disease caused by fungal infection by a group of molds called mucormycetes and yeast. The vast majority are due to Candida and Aspergillus species. This fungal infection causes irritation, discharge, odor, and intense itchiness of the vagina and the vulva.
- Vulvovaginitis: A general term referring to many types of vaginal infections characterized by swelling, inflammation of the vagina and vulva, and dryness. It is a very common problem that affects women and girls of all ages. There are many potential causes, including yeast and bacterial infections. Yeast infections include Candida infections, which are common causes of vulvovaginitis and affects up to 75% of the female population and recurrences are not unusual.

- Vaginal discharge and odour are signs when women are affected with symptoms of common gonorrhoea that include vaginal discharge and pain when a woman urinates. Gonorrhoea may cause pelvic inflammatory disease (PID), tubo-ovarian abscess and infertility.

General symptoms of vulvovaginitis include: Itching, Burning, Irritation, Redness or soreness, Pain, Swelling and Dryness. Some women may also experience:

- Pain or discomfort with urination.
- Pain during sexual activity.
- Light bleeding outside monthly periods.
- Abnormal discharge.
- Odour, sometimes fishy smelling.

BACTERIAL / FUNGAL INFECTION MECHANISM

Mucus secretions are a central protective barrier covering the epithelium found in the Vagina. Despite this protective function, the mucosa is the access point for the majority of human pathogens. Successful infection depends on the ability of the microbes to move through the mucus in order to attach to the underlying cells, by adhering to them.

VAGINAL DISEASE-CAUSING PATHOGENS AND FUNGI

The human vagina is colonized by a diverse array of microorganisms that make up the normal microbiota and mycobiota, which is comprised of a diverse array of beneficial microbes and opportunistic pathogens that inhabit the vaginal milieu. However, the disruption of the vaginal ecosystem contributes to the overgrowth of pathogens which causes complicated vaginal infections, such as bacterial vaginosis (BV), sexually transmitted infections (STIs), and vulvovaginal candidiasis (VVC). Predisposing factors such as menses, pregnancy, sexual practice, uncontrolled usage of antibiotics, and vaginal douching can alter the microbial community. Therefore, the composition of vaginal microbiota serves an important role in determining vaginal health.

Fungi, especially Candida species are likely to exist as commensals in the mucous layer of the vagina and they form apart of the complex vaginal ecosystem with other bacteria. It is suggested that the fluctuation of the microbiota and mycobiota composition in women of reproductive age contributes to the temporal dynamics in vaginal communities. In fact, this fluctuation is influenced by hormonal changes, age, sexual practices and antimicrobial drug usage. The microbial dysbiosis in the vagina leads to overgrowth of opportunistic pathogens and ultimately contributes to the onset of disease.

Bacterial vaginosis (BV) is the most common vaginitis among women of childbearing age and is characterized by

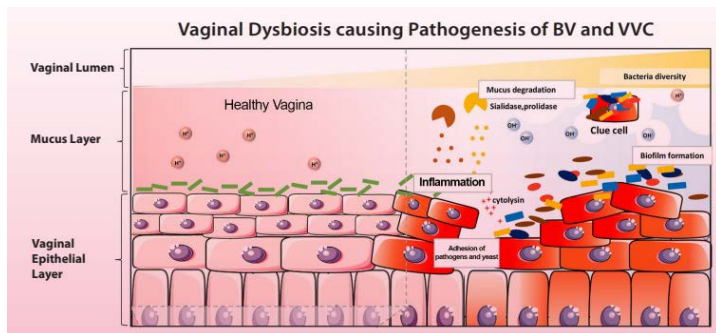


significant changes in vaginal microbiota composition. It is usually accompanied by a significant number of *G. Vaginalis*, *Prevotella* species, *A. vaginae*, *Sneathia* species, and other BVAB as a result of disrupted vaginal microbiota.

VAGINAL DYSBIOSIS

Vaginal dysbiosis (a disruption to the microbiota homeostasis caused by an imbalance in the microflora, changes in their functional composition and metabolic activities, or a shift in their local distribution) reflects the disruption of the microbial community in the vagina and is frequently associated with several gynecological diseases.

Multiple studies have shown the association between vaginal dysbiosis and increased vaginal infections, such as Bacterial Vaginosis (BV), Vulvovaginal Candidiasis (VVC), Yeast Infections and sexually transmitted infections (STIs).



TREATMENT

Women who seek treatment for symptoms may do so within the healthcare system in the face of the taboo nature of the topic. This approach is not always optimal as many women might be embarrassed or unwilling to openly discuss their condition, leaving them with continued discomfort or relying on inappropriate treatment. Women may present with symptoms that range from vaginal pain, soreness, discomfort, itching, irritation, dryness, and swelling, to unpleasant odors. These infections may reoccur and be a source of continued irritation.

But because it's not always easy to figure out what's going on, as the type of infections may differ it becomes very difficult for women to privately decide on the appropriate treatment.

Therefore being confident that the treatment woman insists on will provide relief across the most common causes of vaginal infections is important in assisting these women to obtain optimal and quick treatment.

FEMOXIL's PINK BOX contains only "made-for-purpose" natural ingredients including Aloe Vera formulated to assist in helping manage all common vaginal infections. The dual action assist in treating and protecting women against pathogenic micro-organisms making sure that symptoms of vaginal discomfort are quickly relieved.

FEMOXIL's PINK BOX works fast to treat:

- Bacterial Vaginosis
- Trichomoniasis
- Vaginal Candidiasis
- Vulvovaginitis
- Urinary Tract Infections
- Vaginal atrophy
- Non-specific Vaginitis
- Chlamydia
- Gonorrhea

