

" TOOTH ABSCESS "

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A tooth abscess is an inflammation of the tissues around a tooth caused by an infection that results in the formation of pus. An abscess usually develops as a result of unnoticed or untreated dental caries, dental trauma, or gum disease.

Key words: Abscess. Odontogenic infection. Maxillofacial surgery. Maxillofacial region.

Symptoms of a tooth abscess include:

A sharp pain in a tooth or gum that may be worse when chewing or when in contact with hot or cold foods.

Swelling and redness in the area around the affected tooth.

Causes of abscess:

1. An infection that occurs when bacteria invade the root of a tooth or gum tissue.
2. Trauma or damage to the tooth through which infections can enter.
3. Untreated caries and gum disease.

Treatment of tooth abscess:

Antibiotics: to fight infection.

Surgery: This may require drainage of pus or tooth extraction.

Root canal therapy : If the abscess is associated with an infected tooth root, root canal treatment may be necessary.

It is important to see a dentist as soon as possible to avoid the spread of infection to other areas of the body.

A tooth abscess goes through several stages in its development:

1. Initial stage (infection and inflammation)

At this stage, the infection penetrates the tissues of the tooth, often through caries or trauma. Bacteria begin to multiply in the dental pulp (nerve and blood vessels), causing inflammation and pain. Signs at this stage may be minor: slight pain or discomfort, especially when the tooth is exposed to cold, hot, chewing.

2. Stage of abscess formation

If the infection continues, the inflammation increases and purulent deposits begin to form. This leads to the formation of an abscess - a collection of pus in the root of the tooth or in the tissues around it. The patient feels acute throbbing pain, swelling of the gums, possible purulent discharge and fever.

3. Stage of abscess maturation

The purulent formation continues to grow, the pressure on the surrounding tissue increases, which increases the pain. The abscess can "ripen" and break through, allowing the pus to come out. This can alleviate the patient's condition, but it is important to remember that the infection does not always disappear, and treatment is necessary.

4. Stage of complications (in the absence of treatment)

If an abscess is left untreated, the infection can spread to nearby tissues and organs, causing more serious complications such as osteomyelitis, an inflammation of the bone tissue. This can lead to serious health risks.

Causes of inflammation development

The main reason for the appearance of a purulent focus is inflammation that was previously present inside the tooth or in the periodontal tissues, and, accordingly, was not cured. We are talking about deep caries, pulpitis, periodontitis, periodontitis or periostitis - gumboil. But in addition to this, the reasons may be the following:

poorly treated gum and dental diseases are the number one reason,

tooth damage – chips or fractures through which the inflammatory process, i.e. infection, spreads inside the tooth and beyond,

infectious ENT diseases: flu, tonsillitis - in such situations, the infection spreads to the jaw tissues through the bloodstream,

infection during various manipulations in the oral cavity, as well as lack of sterility: poor sterilization of dental instruments can cause the development of a serious infection, for example, when administering anesthesia.

Complications of abscess

The main complications of purulent inflammation are the spread of pus through the jaw or throughout the body, as well as the development of sepsis, which can be fatal to humans. Pneumonia or even a brain abscess can also develop with this pathology. The simplest consequence of this condition (compared to other complications) is the loss of a living tooth.

Dental abscesses usually occur in people aged 16-34 years (52%), less often in people aged 35-59 years (41%), and extremely rarely in older people aged 60-74 years (7%).

Treatment of tooth abscess

Having diagnosed an abscess, the dentist will first conduct an X-ray diagnosis and then begin comprehensive treatment, which includes:

1. Removal of the purulent focus, its drainage (incision on the gum);
2. If the tooth abscess has captured too much tissue and the tooth cannot be saved due to the possibility of further infection of the body, the tooth is removed and drainage of the root cavity is performed with disinfectant antibacterial agents.
3. Prescribing a course of antibiotics;
4. At home, it is recommended to rinse the mouth with a warm salted solution to wash out the remaining pus.
5. A follow-up visit to the doctor to eliminate any residual effects of the tooth abscess.

The dangers of self-medication

At the first symptoms of the disease, you should contact the clinic, otherwise the price of treating a tooth abscess will increase significantly due to possible complications. Sometimes the abscess breaks through itself, the pus flows out, the pain subsides and we think that we have successfully recovered.



This is not true! An abscess is insidious, by self-medication we only aggravate the disease, drive it inside, and the consequences can lead you to a hospital bed.

Cost of treatment

The cost of abscess treatment depends on how advanced the infection process is and how damaged the tooth tissues are. The more effort it takes to save the tooth, the more manipulations the doctor will perform and the cost will depend. A timely visit to the dentist will help you save time, money and health.

Tooth abscess treatment: the sooner the better

If you are a reasonable person and care about the condition of your teeth, brush them regularly and visit the dentist for preventive purposes, then it is unlikely that any dental trouble will suddenly overtake you.

But if suddenly the unexpected happens (anything can happen), and you discover the symptoms described above, go to the doctor immediately. The dentist will provide high-quality dental treatment without pain, and the price will not seem high to you, because you will have time to prevent the disease at the very beginning.

We all know that it is necessary to visit the dentist at least once a year. We all know, but few people visit. And what do I mean by planned, even when the toothache is bothering you, not everyone will go. Some suffer, getting pulpitis, periodontitis and, as a result, periostitis or abscess.

Conclusions: Based on the results of the work, it was revealed that the COVID-19 pandemic directly

influenced the growth of depressive disorders among the population. The death of loved ones, fear for oneself and relatives,

isolation has had a negative impact on people's mental health. Many of them are still suffering from mental illness.

are experiencing the consequences caused by the SARS-CoV-2 virus.

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