

Ask your dentist
about the **iai tests**



What can you do?

Periodontitis can be managed in the majority of cases. However, this requires your continuous cooperation. Keep to your recommended oral hygiene and regularly attend check-ups and the appointments for supporting periodontitis therapy. Only this enables long-term success.

Expertise in dental diagnostics

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Practice stamp



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PadoTest[®]
PadoSero PadoGen
PadoBiom[®]

Ask at your
dental practice
about the
iai tests

PERIODONTITIS

bacteria determination

Laboratory analyses for
patient-oriented therapy.

What is periodontitis?



Periodontitis is an inflammation of the periodontal apparatus. It occurs due to disease-causing bacteria in the gingival sulcus and the body's inflammatory reaction to them.

What are the symptoms?

Periodontitis almost always begins with inflamed gums (gingivitis), which become noticeable due to their bleeding (e.g. when brushing your teeth), bad breath or loose teeth. If you notice any of these symptoms, you should always make an appointment to visit your dental practice. Only your dentist can determine whether a serious disease is present or whether supplementary oral care measures are sufficient.

What are the consequences?

The disease leads to bone loss in the jaw and, if no treatment is undertaken, to tooth loss. However, periodontitis also has negative consequences for your general health. Studies have shown, for instance, that periodontitis is associated with a high risk of developing arteriosclerosis, heart attacks and strokes, that there is a link between diabetes mellitus and periodontitis and that it can presumably trigger premature births. There is also talk of it being connected to rheumatic and lung diseases, cancer and dementia.

What does the dentist do?

Plaque on the surface of the teeth leads to inflamed gums. A gap referred to as the gingival sulcus occurs between the teeth and the gums in this process. The dentist can determine whether periodontitis is present by measuring the pocket depth using a measuring instrument (periodontal probe), investigating the susceptibility to bleeding and by means of X-ray images that indicate bone loss.

How does an analysis help?

The treatment measures that are necessary depend on the stage of the disease and the bacterial load.

The iai tests are molecular biological analyses which are used to determine the bacterial load that is crucial to therapy and to support individual therapy measures.

The iai tests have three major advantages

- ✓ Avoidance of antibiotics if they do not offer any additional benefit
- ✓ Shortening of therapy, as antibiotics are used immediately if they are necessary
- ✓ Early detection of changes in the microbiome

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Which iai tests are there?

PadoBiom®

PadoBiom® analyses the relationship between health- and disease-related bacteria and thereby provides information on symbiosis or dysbiosis in the microbiome. The presence of antibiotic resistance genes is also tested. Periodontal diseases can therefore be prevented, a rapid progression can be detected and the unnecessary use of antibiotics can be avoided.

PadoTest®

PadoTest® concentrates on the pathogenic (disease-causing) indicator bacteria load. The result helps to select the right antibiotics and to avoid unnecessary ones.

PadoSero

PadoSero helps to reduce active substances to the level that is actually required in clinically necessary antibiotic therapy.

PadoGen

PadoGen analyses the genetic susceptibility to inflammation and enables this to be taken into consideration in any resulting therapy.

So far, the costs of a microbiological analysis are not covered by the statutory health insurance companies. Your dental practice will, of course, explain the resulting costs to you. Coverage of the costs by private or supplementary dental insurance companies should be clarified in advance.