# Why testing?

- How support is realised by marker bacteria and microbiome analyses -



**Check antibiotic** administration

Promoting oral and general health



Optimised prophylaxis and therapy



Recognising dysbiosis even without symptoms

Prevention instead of high follow-up costs



# **Optimised** prophylaxis and therapy



Laboratory diagnostics, such as PadoTest® and in particular the microbiome analysis PadoBiom®, determine the bacterial concentration and composition of the subgingival flora.

This makes it possible to identify precisely those borderline cases that benefit from additional antibiotic administration (including the optimal combination of active substances). In all other cases, this ensures that unnecessary antibiotic treatments can be avoided.

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# Avoiding antibiotics & securing antibiotic treatment



Periodontitis treatment is clinically more successful in both the medium and long term if antibiotics are administered at the same time! (Survey: Eickholz et al., 2023; Teughels et al., 2020)

However: the side effects of antibiotics must always be weighed against the benefits of treatment. In the S3 guideline, adjuvant antibiotics are therefore only recommended in cases of severe progression.



### **Early detection & monitoring**

#### Avoidance of periodontitis instead of therapy

Dysbiosis and risk of progression can indicate the need for prophylactic or therapeutic measures at an early stage.



#### General health

#### Oral and general health influence each other.

The earlier and more successfully periodontitis is treated, the lower the health consequences/risks.



## **Long-term savings**

#### Small contribution instead of high follow-up costs

Contribution to long-term health with individual health services for preventive care and therapy.

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