Periodontitis, an inflammatory disease affecting the tissues supporting the teeth, is triggered by bacterial biofilms on root surfaces and/or mineralized deposits in gingival pockets. Treatment thus focuses primarily on removing periopathogenic bacteria, generally mechanically by cleaning the teeth and gingival pockets. Dr. Michael Krech, a dentist from Marburg, presents a case history to describe how the additional use of a laser can prove advantageous when pocket depths are greater.

In most cases, periodontitis becomes a chronic disease that damages the tissues supporting the teeth. The inflammatory reactions by the immune system are triggered by bacteria. Depending on the kind of periodontitis, various species of bacteria can be found in the inflamed areas. In chronic periodontitis, for example, Aggregatibacter actinomycetemcomitans, Porphyromonas gingivalis, and Prevotella intermedia can be found. In acute periodontitis, Fusobacterium nucleatum and Capnocytophaga can also present. Porphyromonas bacteria in particular are responsible for severe deterioration of the supporting tissues. The teeth and oral hygiene were checked. The patient had a positive attitude and was highly motivated to maintain this result through appropriate oral hygiene.

Experience from my practice has shown that instrumental treatment can be ensured only with the patient’s cooperation. With suitable treatment in the dental practice and good compliance on the part of the patient, periodontitis can be virtually healed.

Great results in treating periodontitis using the SiroLaser Blue

By Dr. Michael Krech, Germany

By SHOFU

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