

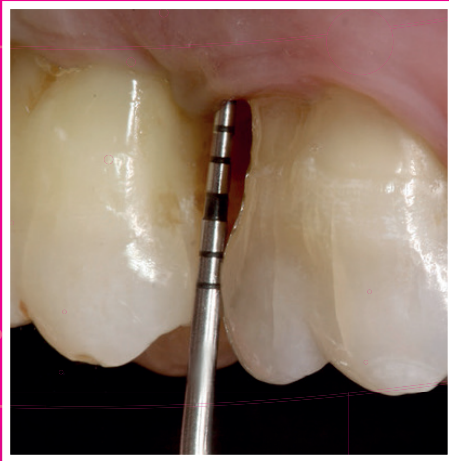
## MICROINVASIVE NON-SURGICAL PERIODONTAL TREATMENT

Case treated by:

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Roma



**BEFORE**



**AFTER**



The patient showed up at the first examination with a high sensitivity to cold in quadrant 1 area.

The dentist highlighted via an endoral examination a serious periodontal problem of element 1.6. During probing, the element features a vestibular-distal and palatal-distal pocket of 7 mm with no bleeding and mobility. Following patient's refusal to undergo surgical periodontal treatment, an assisted Wiser laser treatment was proposed.

## Patient:

Age: 25 years.

Gender: female.

General history: good general health. Good oral hygiene. Hypersensitivity of element 1.6. Absence of spontaneous or induced bleeding. Absence of mobility.

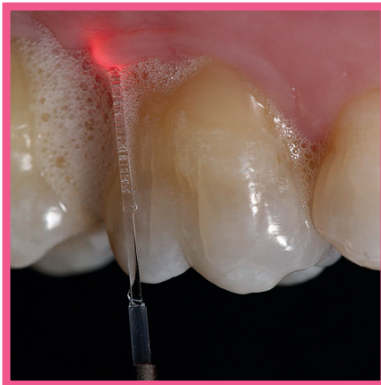
Case history: the physical examination revealed an optimal state. An endoral examination revealed periodontal problems at element 1.6, confirmed by probing, with a periodontal pocket of 7 mm vestibular-distal and 7 mm palatal-distal.

Diagnosis: severe localized chronic periodontitis.

## Hypothetical therapies.

	Methods	Benefits	Disadvantages
<b>Traditional</b>	Periodontal treatment of surgical type.	Increased certainty of the prognosis (scientific evidence).	Poor patient adherence. Contraindicated in patients with special pathologies. High cost. Invasive. Long healing time.
<b>Laser</b>	Laser assisted non-surgical periodontal treatment.	High patient adherence. Minimally invasive. Biostimulation. Decontamination. No medication. No infiltrative anesthesia.	Poor and contradictory scientific bibliography.

## Treatment:



Scaling and root planing are followed by laser decontamination with Wiser 980nm and the use of hydrogen peroxide at 3% - 10 vol.



Photobiomodulation of the mucous membrane of element 16 with defocused tip.



Check-up one week after treatment



Probing 4 months after treatment.

## Conclusions:

To date the topic "the use of laser to complete conventional periodontal treatment" is a reason for discussion that splits the dentists into pro and cons groups. Wiser, with its decontaminating, biostimulating, desensitizing functions, is in fact an interesting aid in SRP therapy. If used according to adequate protocols, it can boast additional benefits in the therapy of conventional non-surgical periodontal treatment, with safe benefits in the short term. The minimum invasiveness, the absence of side effects, the absence of post-operative drug therapy and infiltrative anesthesia translate in extremely high patient adherence when using Wiser..