

## HELP YOUR PATIENTS KEEP GUMS HEALTHY

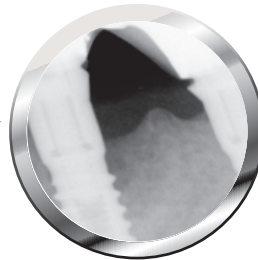
- Only with Silodent you can achieve such results through the Oral Irrigation method.
- Research confirms the decisive winning of the Oral Irrigation method for the health of your gums.
- Silodent empties Periodontal pockets, heals gum inflammation and generates the rebuilding of the bone, previously undergoing process of resorption.

### Peri Implantitis

Bone undergoing process of resorption before using Silodent

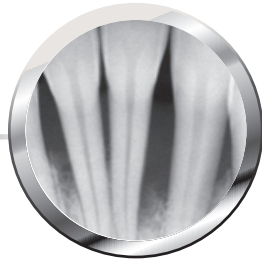


8 months

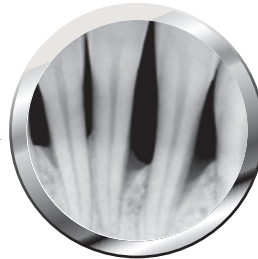


After using Silodent with the addition of healing gel in the mouthpiece: visible remineralization of the bone, previously undergoing resorption.

### Periodontitis

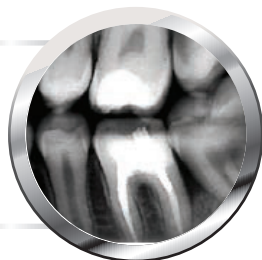


6 months

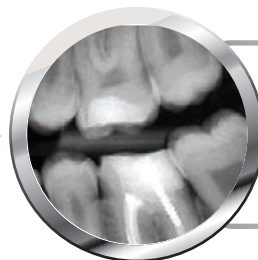


### Periodontitis and Furcation Lesion

Before using Silodent



3 months



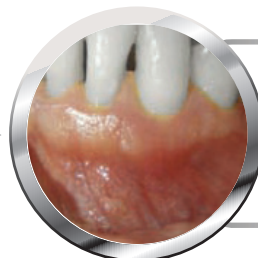
After using Silodent three times a day over a three months period without any healing gel.

### Gingivitis

Before using Silodent



1 months



After using Silodent twice a day for a month - one minute each time.

## **Water Jet (Silodent®) with adjunct Chlorhexidine gel for Non-surgical Treatment of Peri-implantitis**

**L. Levin, S. Frankenthal, L. Joseph, D. Rozitsky, G. Levi, EE. Machtei**

Peri-implant disease following successful integration of an endosseous implant is the result of an imbalance between bacterial load and host defense, which may affect not only the peri-implant mucosa but also involve the supporting bone.

**Objectives:** The aim of this study was to evaluate the effect of a dental water jet (Silodent®) with adjunct Chlorhexidine gel as a non-surgical treatment for peri-implantitis lesions.

**Methods:** A prospective interventional cohort study was conducted. Forty consecutive patients presenting with peri-implantitis were recruited and randomly assigned into two treatment groups. Both groups underwent initial periodontal treatment including recall appointment and oral hygiene instructions. The study group received a water jet device (Silodent®) for home use twice a day with water supplemented by CHX while the control group performed the recommended oral hygiene measures with no water jet usage. Three months following baseline visit, patients were re-evaluated clinically and radiographically.

**Results:** Overall 39 patients completed the study were evaluated. Three months following baseline visit the test group exhibited better results with regards to the average probing depth reduction (0.75 vs. 0.27mm;  $p=0.029$ ) as well reduction in the deepest pocket (1.7 vs. 1.2mm;  $p=0.26$ ) and reduction in sites presenting with bleeding on probing (2.26 vs. 0.45 sites;  $p=0.011$ ). No significant change in bone level was observed in three months (mean bone gain was 0.18 mm)

**Conclusions:** Water Jet (Silodent®) with adjunct Chlorhexidine gel might serve as a non-surgical treatment option for peri-implantitis lesions. Further, larger-cohort studies are warranted.