

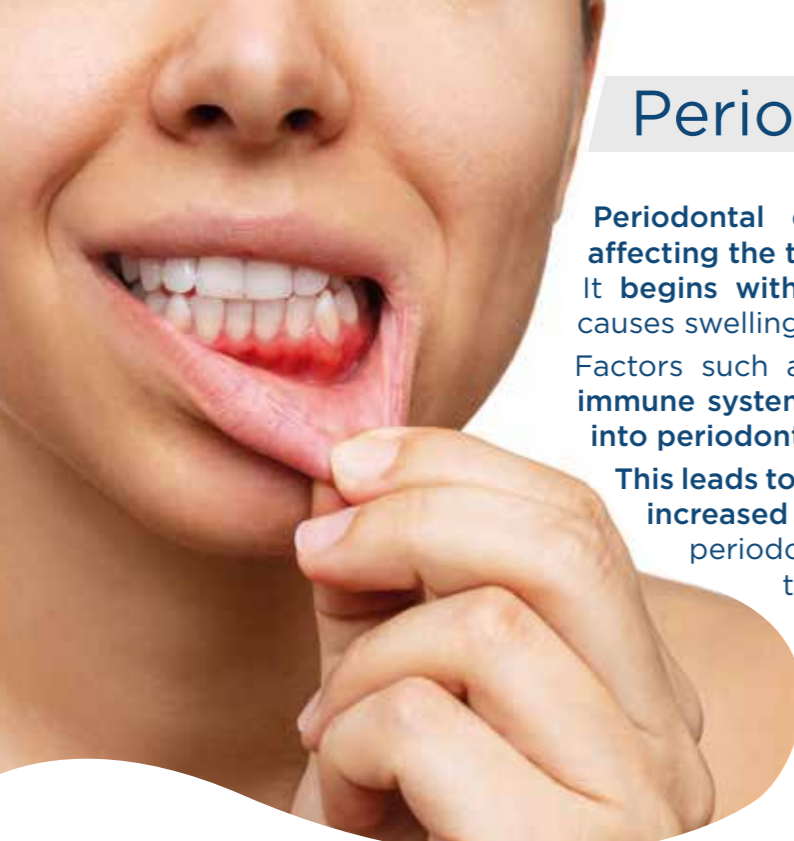


**Restores and Regenerates**  
the oral mucosa



**Non-surgical solution for  
periodontitis therapy.**





# Periodontitis

**Periodontal disease** is a **chronic inflammation** condition affecting the tissues that support the teeth.

It **begins with gingivitis**, a reversible gum inflammation that causes swelling and bleeding.

Factors such as **smoking, systemic diseases, or a weakened immune system** can contribute to the **progression of gingivitis into periodontitis**, which affects deeper tissues and bone.

**This leads to attachment loss** (commonly known as “pockets”), **increased tooth mobility**, and ultimately, tooth loss. Severe periodontal disease, characterized by pockets deeper than 6 mm, is a significant public health concern.

**Severe periodontal disease is widespread, affecting approximately 19% of people over the age of 15 worldwide<sup>2</sup>, with more than 1 billion cases globally.**

**Non-surgical therapy is considered the gold standard** for the initial treatment of inflammatory periodontal disease.

**FIRST STEP** Remove supragingival plaque and tartar, ensuring minimal plaque at follow-ups.

**SECOND STEP** Perform subgingival instrumentation with **curettes and ultrasound**, then reassess in 8-12 weeks. Aim for pocket depths  $\leq 4$  mm with no bleeding; if unsuccessful, proceed further.

**THIRD STEP** Repeat **non-surgical treatment** or consider local antibiotics, probiotics, or, for severe cases, surgery to close pockets and restore tissue health.

**FOURTH STEP** Maintain **gingival health** with ongoing supportive periodontal therapy.

# The Therapeutic Approach

## Clinical evidences

In patients with gingivitis and pockets  $\leq 3$  mm, UBIGEL INPERIO led to partial or complete regression of probing depth, restoring epithelial attachment and eliminating bleeding. This was achieved through its bacterial-clearing action within the gum pocket.

One week after patients noticed faster gum improvement, including reduced bleeding and sensitivity, compared to professional cleaning alone.



Before the Treatment



After the Treatment

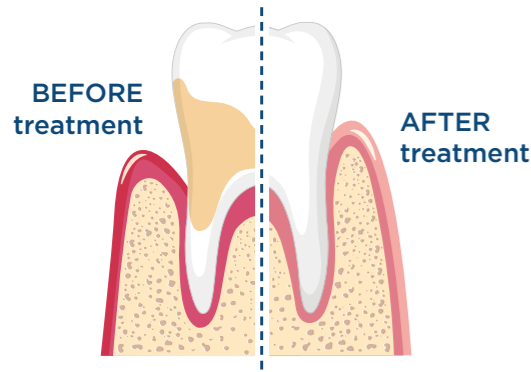


**Picture A** - Survey pre-treatment 7 days after the professional hygiene showing pocket depth of 3 mm with the presence of gingival bleeding.



**Picture B** - A survey after 21 days of treatment with Ubigel Inperio, showing pocket depth is less than 2 mm and no gum bleeding.

# Ubigel Inperio - what's inside



**Ubigel** is particularly effective in stimulating cell renewal thanks to the presence of **spermidine**, which has been shown to have a trophic effect on tissues when released in **supramolecular complexes** such as **hyaluronic acid**.

Active ingredients and functions

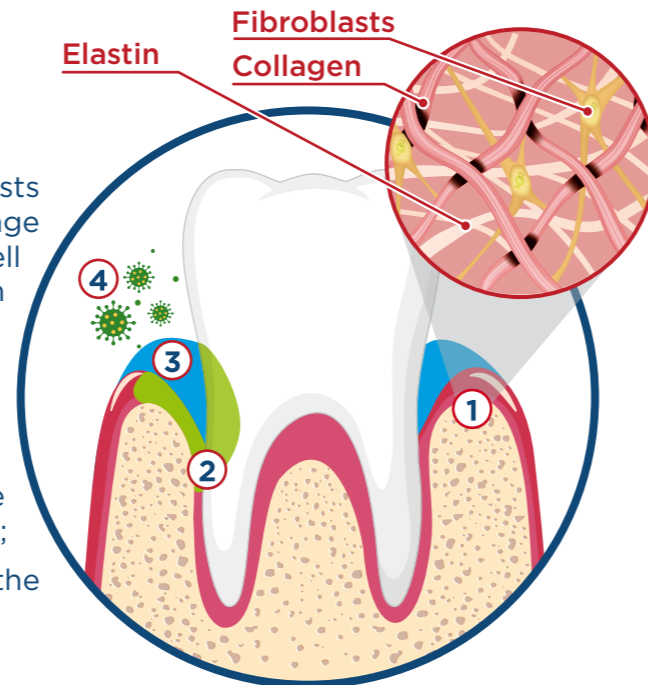
- **Hyaluronic acid** helps reduce inflammation.
- **Sodium alginate** provides a mucoadhesive effect.
- **Calcium chloride** acts as a fixative.
- **Spermidine** reduces inflammation and supports mucosal regeneration.
- **Alcool** provides antibacterial protection.

**Spermidine** is a natural compound present in all living cells, including periodontal tissues. A deficiency in spermidine can lead to inflammation. Restoring its physiological levels supports tissue regeneration and promotes the health of connective tissues, bones, and dental structures. Spermidine increases its action when combined with hyaluronic acid.

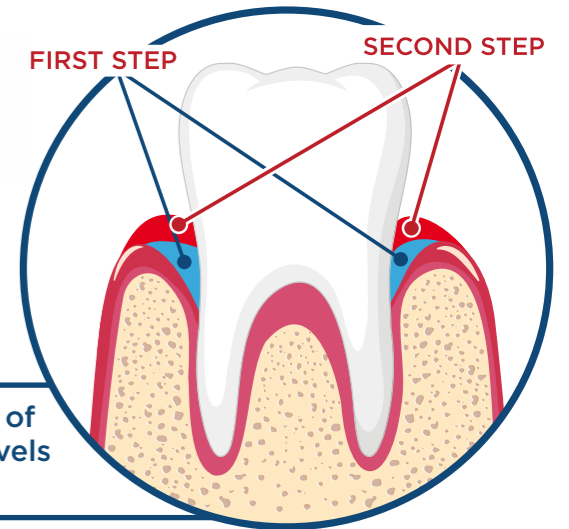
## How it works

**UBIGEL** creates a "soft cement" inside the periodontal pocket, which activates the following physical actions.

- 1 **Action of mechanoreduction** stimulates fibroblasts compromised by inflammation, promotes the exchange and production of proteins and activates cell regeneration determining the healing process from periodontitis.
- 2 **Mechanical abrasive** action on the bacterial film of periodontal pocket to reduce or eliminate its presence;
- 3 **Sealing action** against bacterial spread thanks to the mucus-adhesive properties of polymeric components;
- 4 **Occlusive action** with the purpose of preventing the infiltration of food residues that increase infection;



# Two gel with double action



**FIRST STEP (BLU GEL):** Inject Gel A into the periodontal pocket using an irrigation needle, ensuring it reaches the bottom. Distribute the gel until the pocket is fully filled.

**SECOND STEP (RED GEL):** After applying Gel A, inject Gel B to seal the pocket.

**UBIGEL Inperio** creates a protective layer on the surface of the treatment area, helping to restore the physiological levels of the mucous membrane, promoting tissue regeneration.



## What's inside the Ubigel pack

**GEL A** - Contains spermidine, alginate, and hyaluronate to support tissue repair and regeneration.  
**GEL B** - A calcium chloride solution that acts as a fixative, protecting the treatment area from saliva.

AVAILABLE IN TWO VERSIONS

1<sup>ML</sup> for many dental pocket in the same patient.



0.25<sup>ML</sup> dosage for one dental pocket.





**A medical device exclusively for professional dental use**

**Anti-fog irrigation needles with a side hole, included in packages**

**Optimises periodontal care costs and is easy to use**

**Available in two versions - 0.25 ML DOSAGE or 1 ML DOSAGE**

**It can be used during every dental hygiene visit for patients  
in the early stages of the condition**

**Easily available from your trusted distributor**

**It is a certified medical device - CE 0476**



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**Brochure for Professionals**