

World's First & ONLY Scientifically Proven†  
FDA Clearance for  
**\*True Periodontal Regeneration™**

- No other laser company...
- No other laser device...
- No other laser periodontal therapy...

Has histological proof of **True Regeneration** including New Bone formation.

- No biologics used!
- No exogenous growth factors!
- No bone grafts!
- No foreign membranes!
- No scaffolds!
- No stitches!

PerioLase MVP-7™

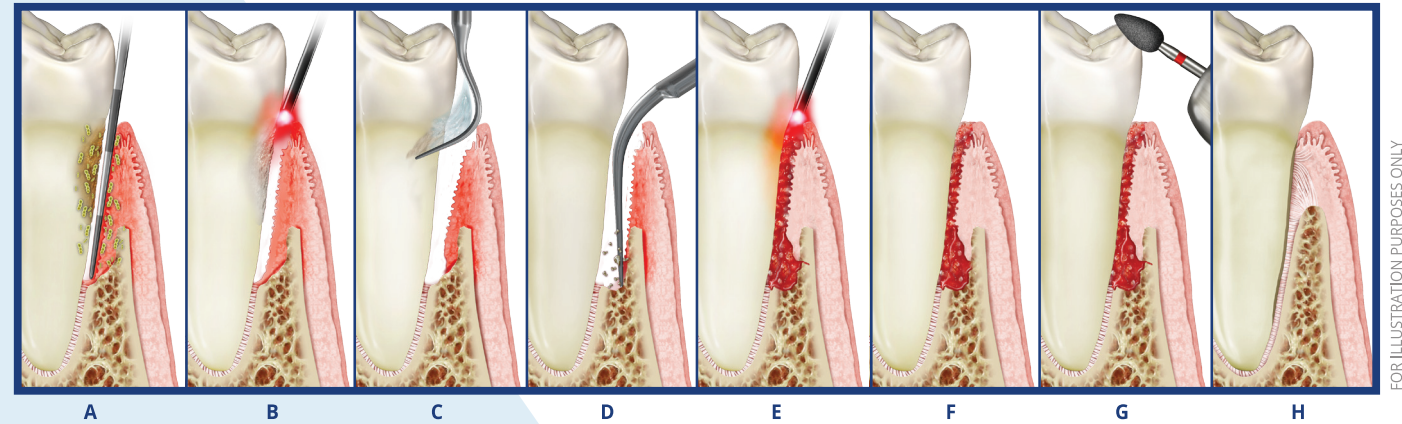


*True*  
REGENERATION™

Periodontal regeneration - true regeneration of the attachment apparatus (new cementum, new periodontal ligament, and new alveolar bone) on a previously diseased root surface when used specifically in the LANAP® Protocol. 510(k) K151763

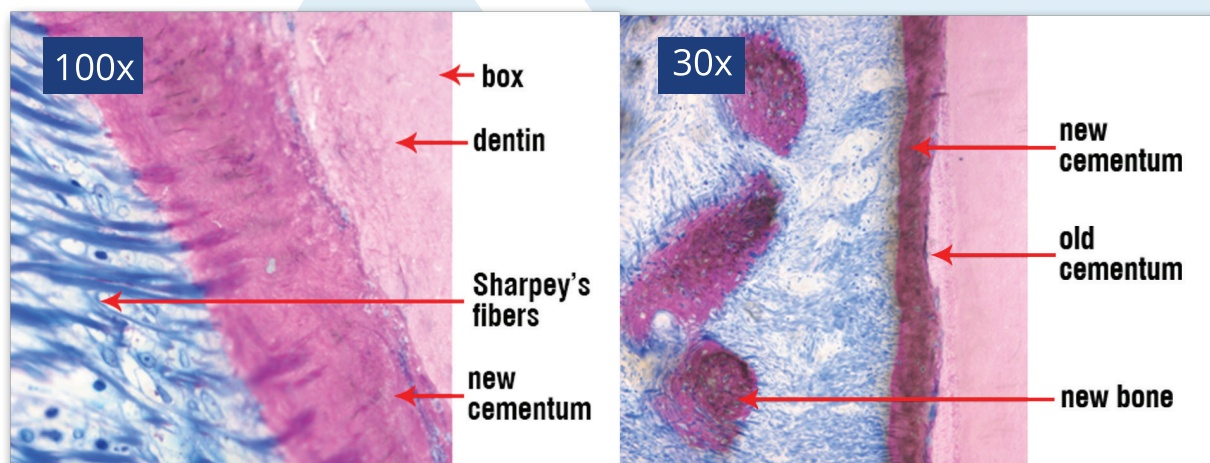
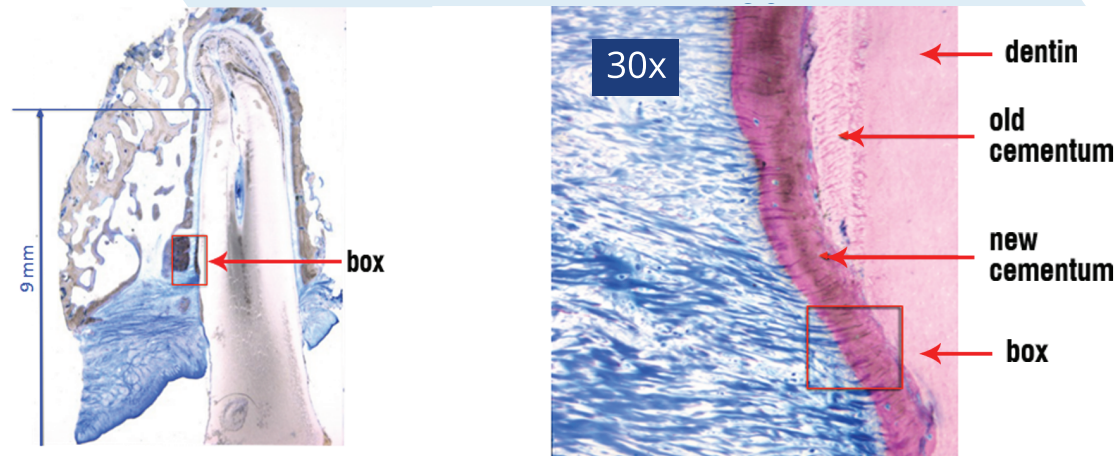
Repair is not regeneration. Regeneration is return to normal architecture and functional health, repair is not.

**LANAP® = LAR™**  
PERIODONTAL REGENERATION PROTOCOL      LASER ASSISTED REGENERATION



FOR ILLUSTRATION PURPOSES ONLY

**"HUMAN CLINICAL AND HISTOLOGIC EVALUATION OF LASER-ASSISTED NEW ATTACHMENT PROCEDURE"**



Nevins, Marc; Camelo, Marcelo; Schupbach, Peter; et al (Int J Periodontics Restorative Dent Jan. 2014, #5; Vol 32:497-507)

**Treatment Protocol**

- Periodontal probe bone sounding to full depth of bony defects.
- PerioLase® MVP-7™ laser energy selectively vaporizes bacteria, endotoxins and diseased epithelial lining of the pocket; denatures pathologic proteins; and alerts the practitioner to the presence of calculus.
- Ultrasonic scaler and specialized tips are used to remove root surface calculus.
- Bone is modified to reshape, decorticate, and stimulate the release of fresh blood, stem cells and growth factors. Angiogenesis is initiated.
- PerioLase MVP-7 is used to form a stable fibrin clot, activate growth factors, and upregulate gene expression.
- Rete ridges are repositioned to the clean root surface; red blood cells, fibroblasts, stem cells, and growth factors fill entire defect with a stable fibrin clot to the gingival crest to create a 'closed system.'
- Occlusal trauma is adjusted to eliminate excessive contacts and allow for passive eruption.
- True Regeneration of new cementum, new periodontal ligament, and new alveolar bone occurs.

**The LANAP Protocol**

The LANAP protocol is a comprehensive, regenerative approach designed to treat moderate-to-severe gum disease and "hopeless teeth" using the PerioLase® MVP-7™. The LANAP protocol with FDA clearance for True Regeneration™ is also known as Laser Assisted Regeneration™ (LAR™).

**The LANAP=LAR protocol:**

- Targets diseased tissue leaving native tissues intact
- Maintains crestal tissue height
- Creates a clean, sealed, closed environment for wound healing and True Regeneration

**For you and your patient this means:**

- Less pain, less bleeding & less swelling
- Minimal crestal tissue loss & less sensitivity
- Faster post-op recovery and better perception of surgery
- Increased patient acceptance rate
- Restoration of functional dentition



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A HISTORY OF SUCCESS