

# LESS INVASIVE TREATMENT PLANS

Straumann® Biomaterials > Biologics

**Straumann® Emdogain® FL**  
Cultivating periodontal  
regeneration.





# Differentiate your practice by offering a flapless regenerative periodontal treatment with Straumann® Emdogain® FL.

For the first time, true periodontal regeneration can be achieved in a minimally invasive way: without surgical flap.

Based on decades of clinical experience in regenerative flap surgery periodontal pockets up to 9 mm deep can now be regenerated and eliminated as part of flapless periodontal procedures with Emdogain® FL.



## **MORE EFFECTIVE**

Eliminate more pockets.



## **MORE EFFICIENT**

Achieve results comparable to periodontal flap surgery.



## **INCREASE PATIENT COMFORT**

Render your procedures milder and more tolerable.

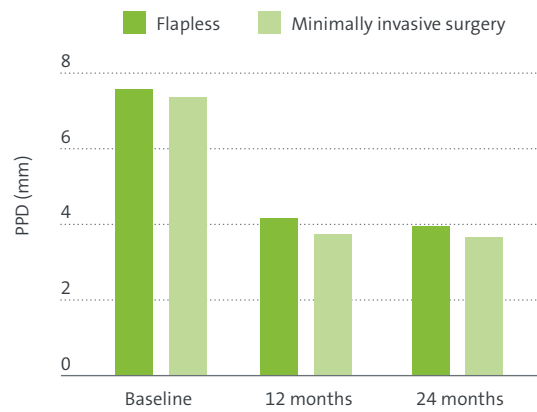
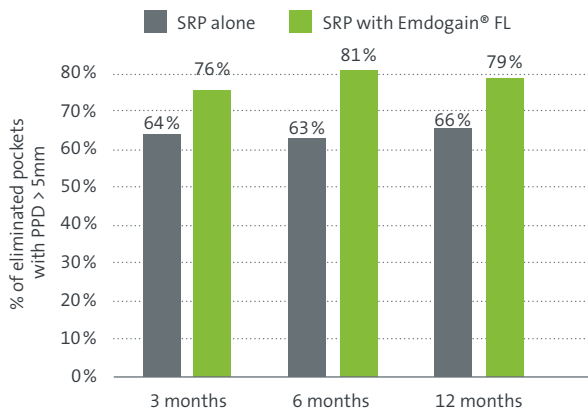
Adding Emdogain® FL to a flapless periodontal procedure\* can help you to eliminate more pockets, have more efficient procedures and improve the quality of life for your patients.



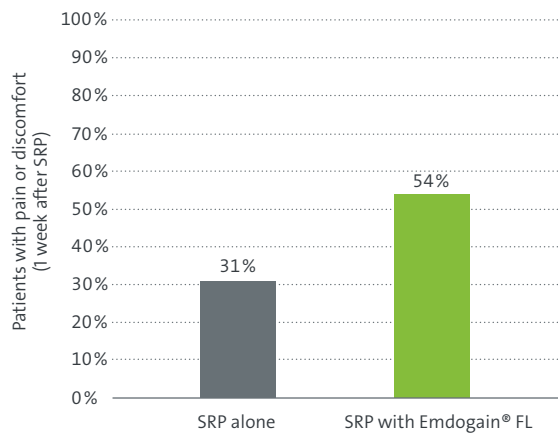
- Eliminate more pockets and render your procedures more effective
- Significantly improved clinical results<sup>1</sup>



- Render your procedures more efficient with clinical results comparable to periodontal surgery
- Similar clinical results as when Emdogain® is applied with a flap surgery after 12 and 24 months<sup>2</sup>



- Improve the quality of life of patients by reducing pain, swelling and systemic inflammation
- Faster patient<sup>3</sup> recovery
- True periodontal regeneration as evidenced by the formation of new cementum, new periodontal ligament and new bone in pre-clinical<sup>4</sup> and clinical<sup>5</sup> histological studies



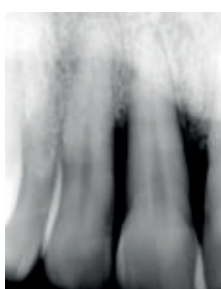
\* as described in the instructions for use for Emdogain® FL available at [ifu.straumann.com](http://ifu.straumann.com)



### 3 YEAR RESULTS AFTER FLAPLESS PERIODONTAL REGENERATION WITH EMDOGAIN® FL



Left frontal incisor before treatment



PPD  $\geq$  9mm

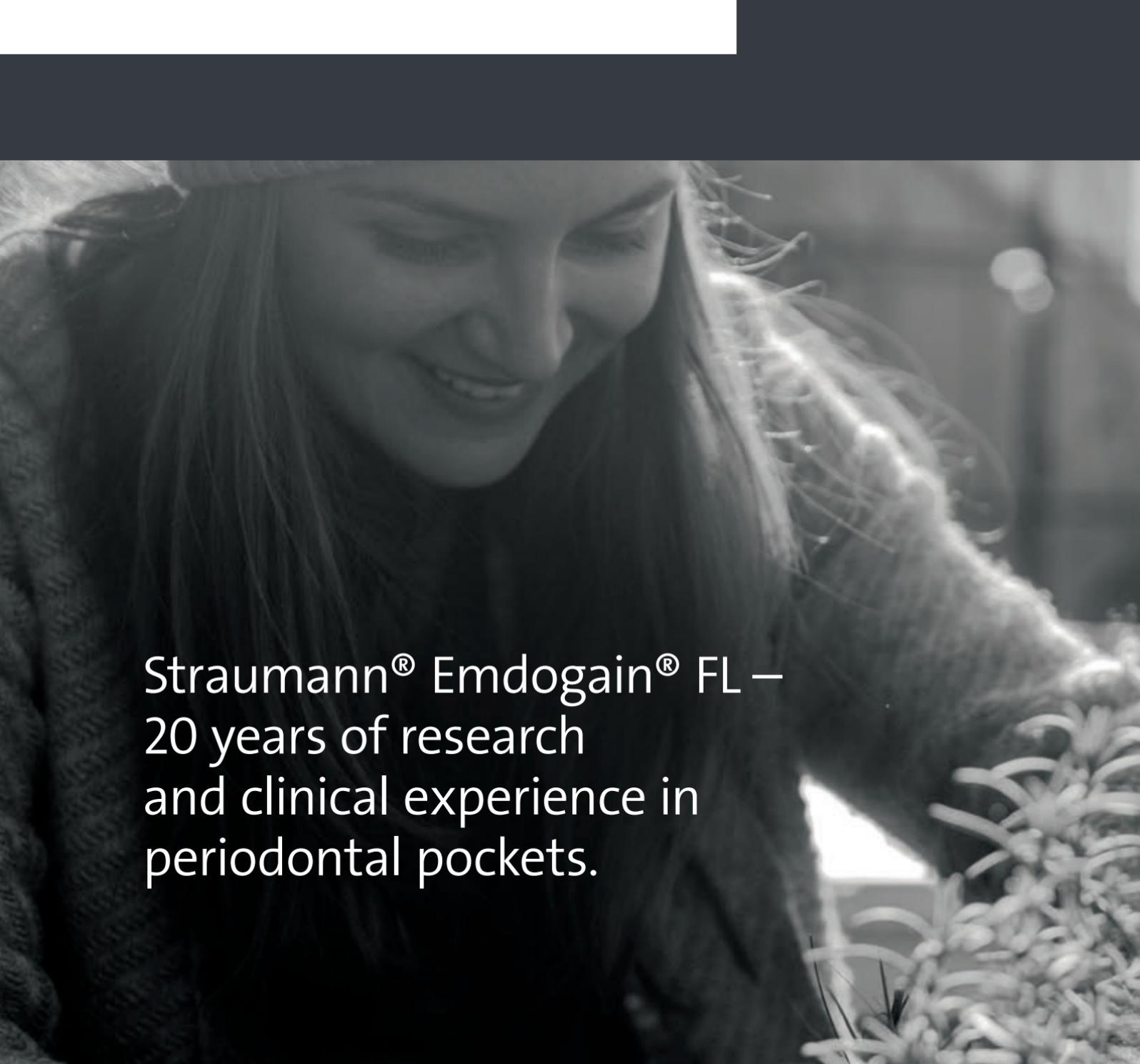


3 years after treatment with Straumann® Emdogain® FL



PPD = 1 – 2 mm

Pictures with courtesy of Dr. Orest G Komarnyckyj DDS, Phoenix AZ, USA



Straumann® Emdogain® FL –  
20 years of research  
and clinical experience in  
periodontal pockets.

Straumann® Emdogain® FL leads to true periodontal regeneration based on biomimicry. Emdogain® FL contains enamel matrix derivative – the active natural protein matrix responsible for tooth formation. When applied to cleaned tooth root surfaces the unique protein composition in Straumann Emdogain® FL is able to induce the regeneration of all periodontal tissues: gingiva, cementum, periodontal ligament and alveolar bone.

## STRAUMANN® EMDOGAIN® FL – BASED ON A STRONG FOUNDATION

Straumann® Emdogain® is the gold standard for the safe and predictable regeneration of periodontal tissues lost as part of periodontitis or trauma. Based on the foundation of long-term clinical experience, the unique regenerative properties of the product have now been used to develop Emdogain® FL to regenerate and help save teeth as part of flapless periodontal procedures.

### STRAUMANN® EMDOGAIN® IN FACTS AND FIGURES

> 20 years  
on the market

> 600 clinical  
& 1,000 scientific  
publications\*\*

Stable  
results  
documented  
over 10  
years in 2  
indications

> 2 million  
patients treated\*

Extremely well  
tolerated\*\*\*

\* Based on the number of syringes sold to date, globally

\*\* According to PUBMED search for "Emdogain" or "enamel matrix derivative"

\*\*\* Based on a global post-surgical complication rate of less than 0.002 %

### AVAILABLE IN THE FOLLOWING SIZES

Straumann® Emdogain® FL is available in two product sizes for the flapless regenerative periodontal treatment of single or multiple pockets.

Article number	Product name	Contents
075.130	Emdogain® FL 0.15 ml	1× Emdogain® FL 0.15 ml 1× PrefGel® 0.6 ml 2× cannulas for flapless use
075.131	Emdogain® FL 0.3 ml	1× Emdogain® FL 0.3 ml 1× PrefGel® 0.6 ml 2× cannulas for flapless use



Contact your local Straumann representative  
now or visit [www.straumann.com](http://www.straumann.com).

# Straumann® Emdogain® FL

With Emdogain® FL periodontal regeneration can be achieved in a minimally invasive way: without surgical flap.

- **Effective:** renders procedures more effective and eliminates more pockets as part of periodontal debridement procedures
- **Efficient:** renders procedures more efficient and acceptable by achieving results comparable to periodontal flap surgery
- **Patient comfort:** improves patient satisfaction and renders procedures more tolerable by reducing pain, swelling and systemic inflammation

## REFERENCES

**1** Straumann Sponsored Study (data on file, study ongoing). **2** Aimetti M, Ferrarotti F, Mariani GM, Romano F. A novel flapless approach versus minimally invasive surgery in periodontal regeneration with enamel matrix derivative proteins: a 24-month randomized controlled clinical trial. Clin Oral Investig. 2017 Jan;21(1):327-337. **3** Wennström JL, Lindhe J. Some effects of enamel matrix proteins on wound healing in the dento-gingival region. J Clin Periodontol. 2002 Jan;29(1):9-14. **4** Shujaa Addin A, Akizuki T, Matsuura T, Hoshi S, Ikawa T, Maruyama K, Ono W, Fukuba S, Izumi Y. Histological healing after nonsurgical periodontal treatment with enamel matrix derivatives in canine experimental periodontitis. Odontology. 2018 Jul;106(3):289-296. **5** Mellonig JT, Valderrama P, Gregory HJ, Cochran DL. Clinical and histologic evaluation of non-surgical periodontal therapy with enamel matrix derivative: a report of four cases. J Periodontol. 2009 Sep;80(9):1534-40.



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