Straumann® Emdogain®
More than regeneration.
Peace of mind.
Tooth Preservation with Straumann® Emdogain®

Periodontitis is associated with a loss of tooth-supporting tissues which is irreversible and the main reason for tooth loss if left untreated. Emdogain® is the gold standard when it comes to the regeneration of lost periodontal tissues in a safe and predictable way. Long-term clinical studies have demonstrated that Emdogain can effectively help save teeth and revert gingival recessions. 11,15,16

Furthermore it initiates and promotes periodontal tissue regeneration that leads to the esthetic outcome your patient desires.

5–15% OF POPULATION SUFFERS FROM SEVERE PERIODONTITIS THAT MAY LEAD TO TOOTH LOSS1,2

Periodontitis treatment involves controlling the causative bacteria and inflammation, as well as subsequent regeneration of the lost periodontal hard and soft tissues in order to regain tooth attachment.

Guided regeneration

Straumann Emdogain supports the predictable regeneration of the lost periodontal hard and soft tissue caused by periodontitis, helping to save and preserve the tooth.3

Applying Straumann Emdogain to the cleaned root surface of the periodontally diseased tooth helps to regenerate the periodontium, which includes the cementum, periodontal ligament and alveolar bone.4–8

Regenerative surgery with Straumann® Emdogain®

*Allograft, autograft, bone-derived xenograft, β-TCP or bioactive glass
Emdogain® is a really unique protein mixture. It influences a number of different cells and a number of different processes.

Dr. David Cochran
Guided Regeneration
For Various Indications

STRAUMANN® EMDOGAIN® IS INDICATED FOR:

1. Intrabony defects due to moderate or severe periodontitis

2. Wide intrabony defects

3. Class II mandibular furcation defects with minimal interproximal bone loss.

4. Recession defects in combination with surgical coverage procedures such as coronally advanced flap.

*Allograft, autograft, bone-derived xenograft, β-TCP or bioactive glass
THE FOLLOWING STEPS DESCRIBE HOW STRAUMANN® EMDOGAIN® HELPS TO REGENERATE THE PERIODONTIUM OVER TIME:

1. When Straumann® Emdogain® is applied the enamel matrix derived proteins precipitate on the root surface to form a matrix layer.

2. The matrix stimulates the attraction and proliferation of mesenchymal cells from the healthy part of the periodontium.

3. The cells secrete natural and specific cytokines and autokrine substances promoting the necessary proliferation.

4. Supporting cells are attracted and differentiate into cementoblasts which start with the formation of the cement matrix in which the periodontal fibers will be fixed.

5. The newly formed cement layer increases in thickness, extending the periodontal ligament.

6. Within months, the defect fills with newly formed periodontal ligament.

7. As the periodontal ligament is formed, new bone continues to develop.

8. Straumann® Emdogain® facilitates the regeneration of the complex dental structure of the periodontium, building a new functional attachment.

“Straumann Emdogain stimulates the regeneration of both the hard and soft tissues of the periodontium at the same time.”

Dr. David Cochran
Both the scientific evidence and my personal experience support that with the appropriate case, Straumann® Emdogain® significantly improves root coverage compared to the coronally advanced flap alone.

Dr. Michael K. McGuire
MORE THAN 1 MILLION PATIENTS TREATED WORLDWIDE*

Rely on long-term clinical experience
- Documented treatment success up to 10 years\textsuperscript{11,16}
- Improved attachment level maintained up to 5 years compared to baseline\textsuperscript{12}
- Improved probing depth level maintained up to 5 years compared to baseline\textsuperscript{12}

![Graph showing Probing Depth (PD) and Clinical Attachment Level (CAL)]

Significantly improved CAL and PD following OFD with Straumann\textsuperscript{®} Emdogain\textsuperscript{®}, measured up to 5 years\textsuperscript{12} compared to baseline

Added value for your practice due to patient satisfaction
- Clinicians reported on enhanced periodontal wound healing when using Straumann\textsuperscript{®} Emdogain\textsuperscript{®} compared to PGA carrier alone\textsuperscript{33}
- Less patients with pain and swelling compared to traditional Guided Tissue Regeneration (GTR)\textsuperscript{14}
- Designed to improve patient comfort compared to traditional OFD\textsuperscript{13}, GTR\textsuperscript{14} or connective tissue graft (CTG)\textsuperscript{15} alone

![Bar chart showing Pain and Swelling](Percentage of patients with pain** and swelling** 1 week post-operative in furcation treatment with GTR or Straumann\textsuperscript{®} Emdogain\textsuperscript{®})

Straumann\textsuperscript{®} Emdogain\textsuperscript{®}

AVAILABLE IN 3 SYRINGE SIZES FOR YOUR CONVENIENCE

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*Based on units sold.

**Little, moderate and strong
REFERENCES

3 Bosshardt DD. Biological mediators and periodontal regeneration: a review of enamel matrix proteins at the cellular and molecular levels J Clin Periodontol 2008; 35(Suppl. 8):87-105.
12 Heden G, Wennström JL. Five-Year Follow-Up of Regenerative Periodontal Therapy With Enamel Matrix Derivative at Sites With Angular Bone Defects J Periodontol 2006;77:295-301.