

# Straumann® Emdogain®

## Frequently Asked Questions

### 1. What is important to consider when I apply Straumann® Emdogain® in periodontal surgery?

Straumann® Emdogain® should only be used after plaque and calculus have been removed from the diseased site and is ideally applied on a root surface which has been prepared with Straumann® PrefGel®, and which is free from blood and saliva, and dry to ensure the optimal precipitation of the proteins in Emdogain® to the root surface.

### 2. What is Straumann® PrefGel® for?

Straumann® PrefGel® is an EDTA-containing gel that is used to remove the smear layer on the exposed dentin surface and to provide optimal binding conditions of the proteins of Straumann® Emdogain® and subsequently the blood clot to the root surface. Straumann® PrefGel® is pH neutral, which minimizes necrosis of adjacent tissues.

### 3. When used as part of periodontal surgery, is it ok that Straumann® Emdogain® appears to leave the defect following application to the root surface?

Yes, this is ok. The proteins in Emdogain® (amelogenins) are dissolved in a carrier substance (Propylene Glycol Alginate, PGA). Following application, as amelogenins come into contact with physiological conditions (physiological pH and body temperature), they immediately precipitate to form an insoluble protein layer on the root surface while most of the carrier leaves the defect. Thus, a retention of Straumann® Emdogain® after application is not necessary as it mostly only contains the carrier.

### 4. Do I have to use a membrane in periodontal surgery with Straumann® Emdogain®?

No. Straumann® Emdogain® is a stand-alone procedure that induces de-novo formation of lost periodontal tissues. When used either alone or in combination with bone grafts, there is currently no evidence that adding a membrane improves the clinical outcome.

### 5. How many defects can I treat with a single syringe of Straumann® Emdogain®?

The 0.15 ml size is suitable for single defects, e.g. a narrow intrabony defect or an isolated gingival recession. Straumann® Emdogain® 0.3 ml is suitable for a wide or larger single defect and where additional regenerative material (bone grafts) may be used. The 0.7 ml size is suitable for wide defects and is sufficient for two to three defects.

### 6. Can I use the same syringe of Straumann® Emdogain® on more than one patient?

No. Emdogain® is delivered sterile as single use device. The use of the product in more than one patient bears the risk of disease transmission and is therefore not recommended.

### 7. Can I combine Straumann® Emdogain® with bone grafting materials?

Yes. Wide contained and non-contained periodontal bone defects usually require additional volume support in order to prevent flap collapse. In these cases the additional use of bone grafts is recommended as they provide space for the regenerative process. Controlled clinical studies demonstrate the combined use of Straumann® Emdogain® and particulate bone grafting material of different origin (autologous, allogenic, xenogeneic, synthetic). Straumann® Emdogain® may also be mixed with the bone substitute prior to the application when additional bone grafts are used.

### **8. Can I combine Straumann® Emdogain® with collagen products such as fleeces and matrices?**

Yes, , for instance in gingival recession treatment a collagen matrix may be used as a autologous connective tissue graft substitute.

### **9. Is splinting of the treated teeth necessary?**

The splinting of teeth with a mobility degree of over 1 is absolutely recommended for a time period of 6 to 8 weeks after the periodontal treatment since tooth mobility hinders the regenerative process. Ideally the splinting should be done already before the treatment. The splinting should not be touching the gingiva and can also be maintained for a longer time period if considered to be necessary for the periodontal wound healing to occur.

### **10. Is Emdogain® radio-opaque?**

No. Emdogain® itself is not radiopaque. If a radiographic follow up control indicates bone fill (after at least 12 months) this alveolar bone has been reformed as a result of the regenerative treatment.

### **11. How do I need to store Emdogain®?**

Emdogain® needs to be stored at a temperature between 2°C and 8°C.

### **12. Can Emdogain® be returned if the expiry date has passed or if the wrong product size has been ordered?**

In both cases no. Straumann® Emdogain® requires specialized transportation conditions, which are guaranteed on behalf of Straumann when the product is shipped to our customers. Once delivered, the product can no longer be tracked and therefore the quality of product can no longer be guaranteed.