

Publications

Study

Users report

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**Ostim® for the treatment of intrabony
periodontal defects: a randomised
controlled clinical study***

Scientific Information
Ostim

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Objective

The aim of the present randomised controlled clinical study was to compare the clinical outcomes of papilla preservation flap surgery with or without the additional application of the novel nanocrystalline bone grafting material Ostim®.

Materials and Methods

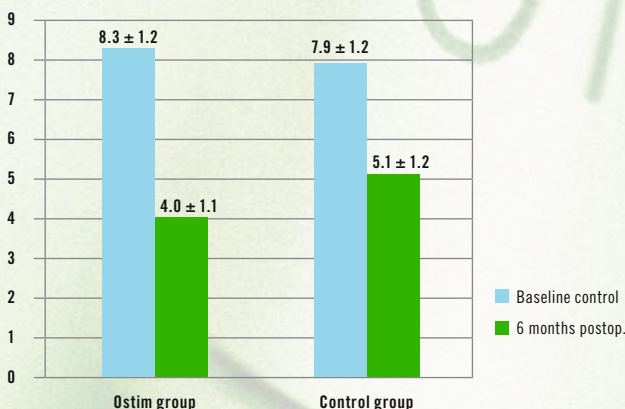
22 intrabony periodontal defects in 12 adult patients with chronic periodontitis were included. In a split-mouth design defects (> 4 mm) were randomly assigned to be treated with open flap debridement or to receive additionally Ostim®. At baseline and during surgery probing pocket depths (PPD) and vertical bone level (BL) were measured from a customised acrylic stent. 6 months following surgery PPD and BL were assessed again.

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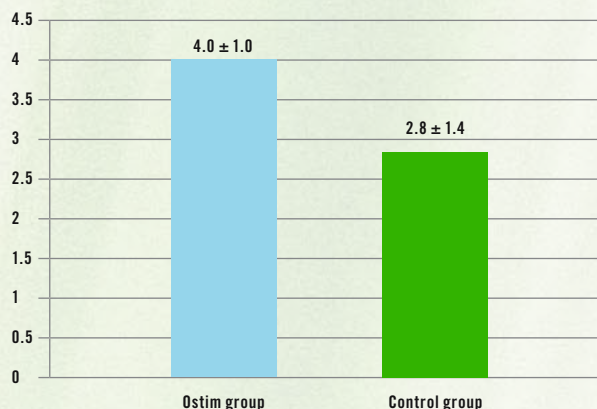
Results

Clinical parameters at baseline and 6 months following surgery:

Pocket Depth (mm)



Vertical Bone Gain (mm)



Example of a radiographic result with Ostim:



Baseline control

6 months postoperative

Conclusion

The additional treatment with the novel nanocrystalline hydroxyapatite Ostim® compared to open flap debridement alone led to significantly more favourable clinical improvements in intrabony periodontal defects.

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Ostim® for the intrabony periodontal defects: a randomised controlled clinical study

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