

Straumann® Emdogain® MI

Clinical Casebook



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Emdogain® MI Case



“The thinner syringe of Emdogain MI is the perfect complement to minimally invasive periodontal surgery, providing improved control for the delivery of the same formulation of Emdogain that I know and trust”

— Dr. John Tunnell, Periodontist in Dallas, TX



Case: Videoscope Assisted Minimally Invasive Surgery

Teeth #'s 6/7 and 11/12

PATIENT: 32 YEAR OLD FEMALE, NON-SMOKER, WITH NO CONTRIBUTORY MEDICAL CONDITIONS AND A HISTORY OF PERIODONTITIS

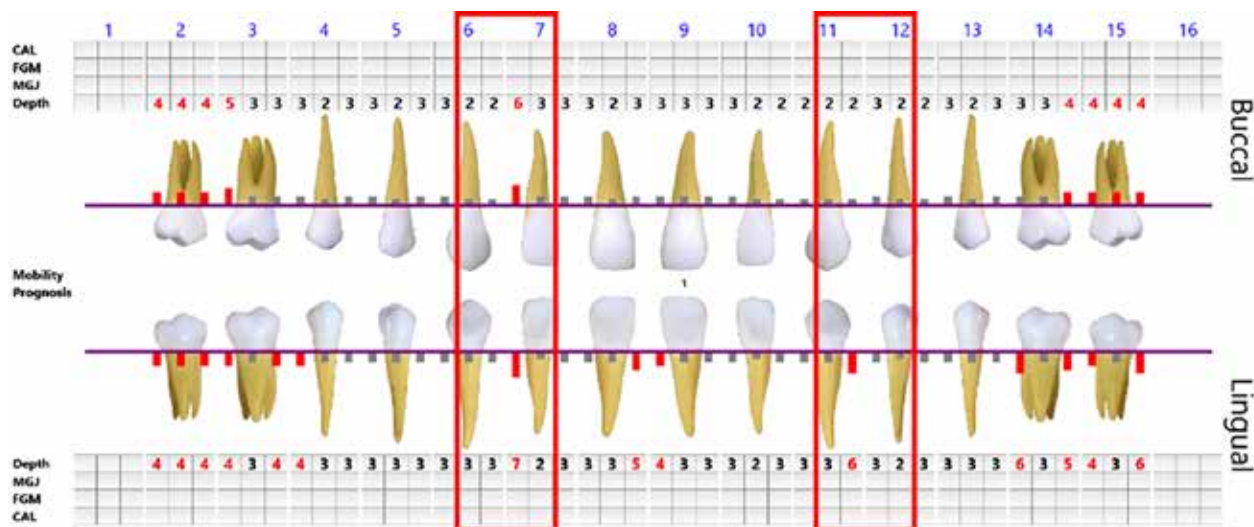
Patient reports a history of orthodontic therapy “from age 9 to 25” in her European country of origin. She reports first developing symptoms of periodontitis during that time.

Patient did not receive periodontal treatment until moving to US approximately 3 years ago.

She started with initial non-surgical therapy and then had “flap surgery” on #'s 2 and 3 approximately 18 months ago. Patient received regular periodontal maintenance q4m with GP for past 18 months.

Residual deep probing depths with BOP noted at re-evaluation with GP, so referred to me for consultation.

INITIAL CHARTING



INITIAL RADIOGRAPHS



SURGICAL TREATMENT PLANS

- Videoscope Assisted Minimally Invasive Surgery (VMIS)
 - Site #'s: 6/7, 8/9, 11/12, 13/14 and 14/15
 - PrefGel® used for root biomodification
 - Emdogain® MI used as growth factor applied directly to dried root surface and mixed with bone graft
 - Bone graft utilized in surgical sites
- Site #'s 6/7 and 11/12 documented in this case

SURGERY VMIS SITE # 6/7



Fig 1a Initial Photos



Fig 1b Initial Photos



Fig 1c Initial Incisions



Fig 1d Initial Incisions



Fig 1e View of Vertical Periodontal Defect as seen with MicroSight®



Fig 1f PrefGel Application

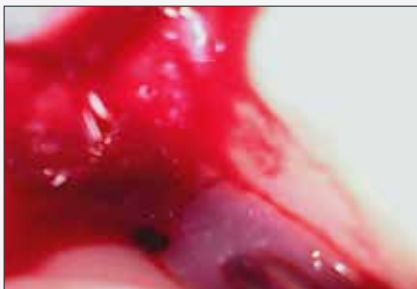


Fig 1g Emdogain® MI application through MicroSight



Fig 1h Closure



Fig 1i Closure



Fig 1j One Week Post Op



Fig 1k One Week Post Op



Fig 2a Initial Photos



Fig 2b Initial Photos



Fig 2c Initial Incisions



Fig 2d Initial Incisions



Fig 2e View of Vertical Periodontal Defect
as seen with MicroSight®



Fig 2f Emdogain® MI Application through
MicroSight



Fig 2g Closure



Fig 2h Closure



Fig 2i One Week Post Op



Fig 2j One Week Post Op

References

Tunnell JC, Harrel SK. Minimally Invasive Surgery in Periodontal Regeneration: A Review of the Literature. *Compend Contin Educ Dent*. 2017;38(4):e13-e16.

Harrel SK, Abraham CM, Rivera-Hidalgo F, Shulman J, Nunn M. Videoscope-assisted minimally invasive periodontal surgery (V-MIS) *J Clin Periodontol* 2014, DOI:10.1111

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