Tal H. et al., 2008

52
Patients

6 Month
Follow-up

DISCLAIMER

The following page contain summaries of data published by Tal H. et al., 2008 as interpreted by Geistlich. Although we try to reflect to the best of our knowledge the results and conclusions of the cited studies, errors cannot be excluded. We explicitly emphasize that the authors of the cited study cannot be held responsible for the content of the summaries.

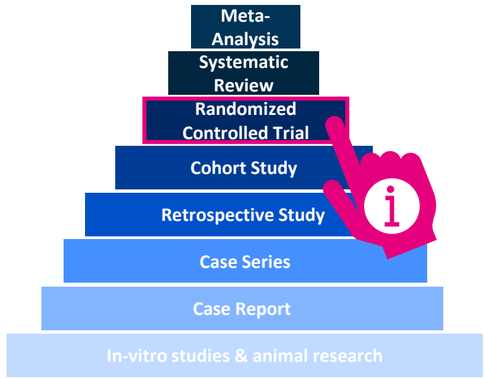
Does Geistlich Bio-Gide® reduce the risk of complications?

Geistlich

Randomized clinical study setup

cross-linked collagen membrane

non-cross-linked collagen membrane



26 patients randomly assigned

Guided Bone Regeneration

conducted in 52 subjects requiring tooth extraction or removal of failing implants, with at least 5 mm of the buccal plate missing, using a submerged approach.

26 patients randomly assigned

Timepoints:
The sites were investigated during the first 2 weeks & 6 months post-surgery

Examiner evaluated:

- Recording of post-surgical spontaneous membrane exposures
- Histological examination of full-thickness standard soft tissue discs retrieved, where suitable, directly before implant placement.

Tal H, et al. Clin Oral Implants Res. 2008 Mar;19(3):295-302.
Read now

Evaluate clinical and histological outcomes of barrier membrane biodurability and integrity in Guided Bone Regeneration using cross-linked vs. non-cross-linked collagen membranes.

Randomized Controlled Clinical Trail

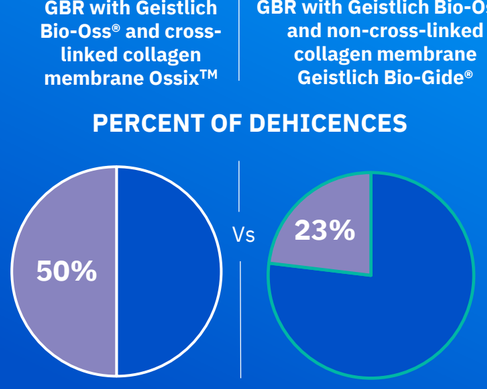
52 patients

6 months

Does Geistlich Bio-Gide® reduce the risk of complications?

Geistlich

Yes, it does > Key Findings of Tal et al:



Guided Bone Regeneration (GBR) with Geistlich Bio-Gide® demonstrated a 54% LOWER incidence of spontaneous tissue perforations compared to Ossix™.

Reduced risk of dehiscence

Even in cases of dehiscence, Geistlich Bio-Gide® maintains structural integrity in protected areas, supporting efficient bone formation.

Effective bone regeneration

For Dentist

Using Geistlich Bio-Gide® reduces the risk of complications. Even in challenging wound healing situations, it continues to protect the grafted site, ensuring successful augmentation.

For Patients

Fewer complications and a smoother healing journey make it a safer option for patients, resulting in very good clinical outcomes and higher patient satisfaction.

Benefits

Conclusion

Using Geistlich Bio-Oss® together with Geistlich Bio-Gide® for Guided Bone Regeneration significantly reduced the risk of spontaneous tissue perforations by 54% compared to using the cross-linked membrane Ossix™.

Conclusion

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Evaluate clinical and histological outcomes of barrier membrane biodurability and integrity in Guided Bone Regeneration using cross-linked vs. non-cross-linked collagen membranes.

Randomized Controlled Clinical Trail

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“This double-blind study clinically and histologically evaluated the long-term barrier biodurability of cross-linked and non-cross-linked collagen membranes in sites treated with Guided Bone Regeneration. Cross-linked collagen membranes were associated with a higher incidence of tissue perforations compared to non-cross-linked membranes.”

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