

# Clem et al., 2023

 5 Study Centers    60 Patients    1 Year Follow-up



## DISCLAIMER

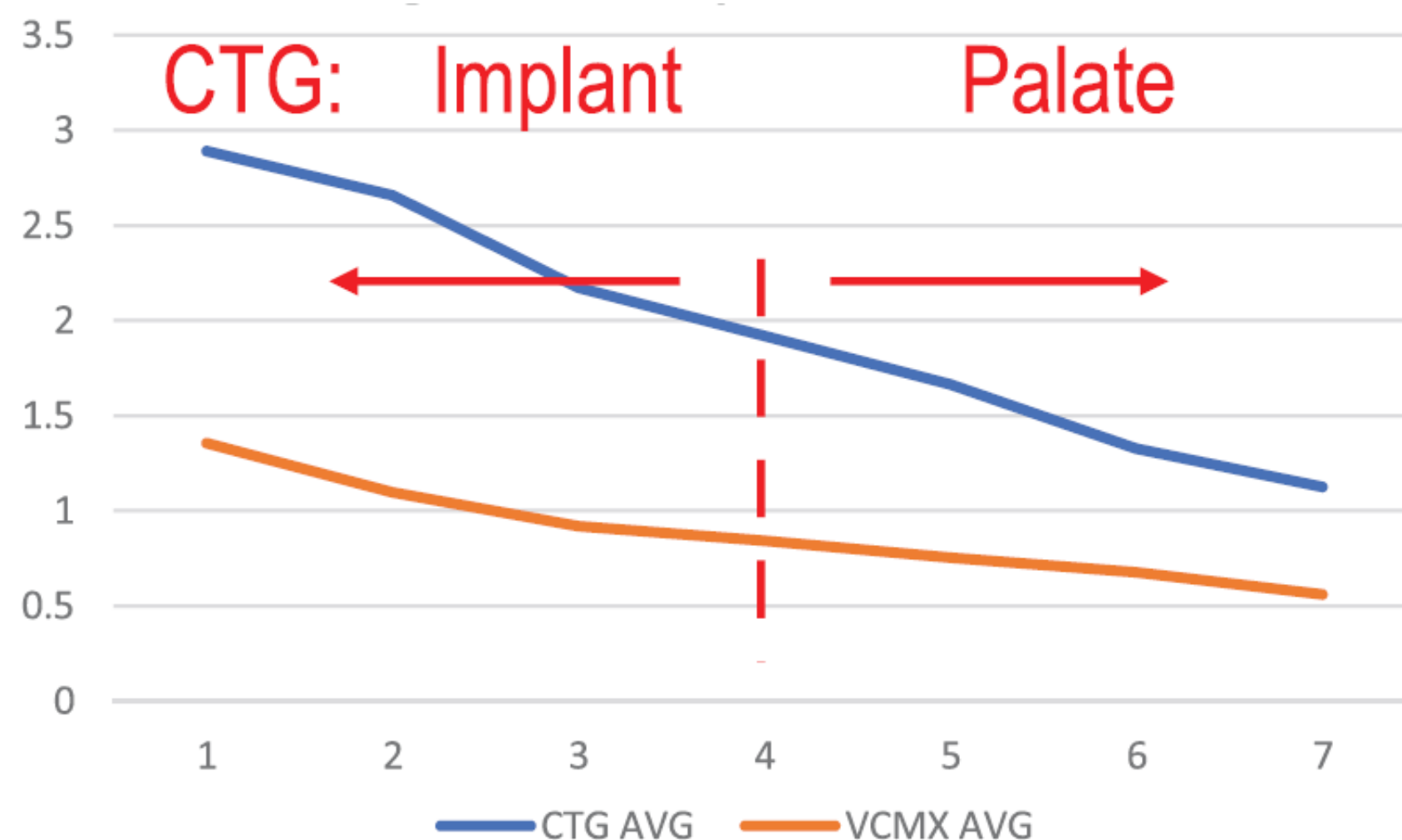
The following page contain summaries of data published by Clem et al., 2023 as interpreted by Geistlich. Although we try to reflect to the best of our knowledge the results and conclusions of the cited studies, errors cannot be excluded. We explicitly emphasize that the authors of the cited study cannot be held responsible for the content of the summaries.

## Soft-Tissue Regeneration

# Harvest Graft Substitute for Soft Tissue Volume Augmentation Around Existing Implants: A Randomized, Controlled, Blinded Multicenter Trial

### Average Pain – Implant Site & Palate

N = 60 Patients



Mean pain (palatal harvest site and implant treatment site). For CTG, implant treatment site pain dominated over the first 4 days, then CTG harvest site pain, which persisted past 1 week. AVG, average; VCMX = Geistlich Fibro-Gide®

## Key Message

This study demonstrates that using Geistlich Fibro-Gide® for soft tissue augmentation can provide similar esthetic improvements to connective tissue graft (CTG), with the added benefits of reduced surgical time and enhanced patient comfort.

## Study results

- Value of Study:** The study provides evidence that Geistlich Fibro-Gide® offers a reliable, noninferior alternative to CTG in augmenting soft tissue around implants, with advantages in surgery time – on average **7 min less**, or 27% less ( $p = 0.0005$ ) and postoperative comfort.
- Soft Tissue Augmentation:** Geistlich Fibro-Gide® **enhanced soft tissue volume**, particularly around existing implants. Patients receiving Geistlich Fibro-Gide® reported **significantly less pain and a quicker recovery** compared to those receiving CTG.



Multicenter pRCT  
blinded



60 patients



5 study centers



Up to 1 Year



The objective was to evaluate whether Geistlich Fibro-Gide® is a viable alternative to CTG for soft tissue augmentation. The primary focus was on the change in soft tissue thickness 3 mm below the gingival margin (GM) and overall clinical and patient-reported outcomes.

# Harvest Graft Substitute for Soft Tissue Volume Augmentation Around Existing Implants: A Randomized, Controlled, Blinded Multicenter Trial

## Key Takeaways

- 1. Viable Alternative:** Geistlich Fibro-Gide® is a reliable, noninferior alternative to CTG for augmenting soft tissue around implants, effectively increasing soft tissue thickness and volume.
- 2. Shorter Surgery Time:** Procedures with Geistlich Fibro-Gide® required about 27% less time (approximately 7 minutes less) than with CTG.
- 3. Reduced Postoperative Pain:** Patients treated with Geistlich Fibro-Gide® reported significantly less postoperative pain compared to those who received CTG.
- 4. High Patient Satisfaction:** Geistlich Fibro-Gide® achieved high patient satisfaction, with notable improvements in esthetics and comfort reported after one year.



Clem et al., J Periodontol. 2023;1-10. [Read now.](#)

## Key Message

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