

Gabel et al., 2026



Academia



31

Patients



6 Month

Follow-up

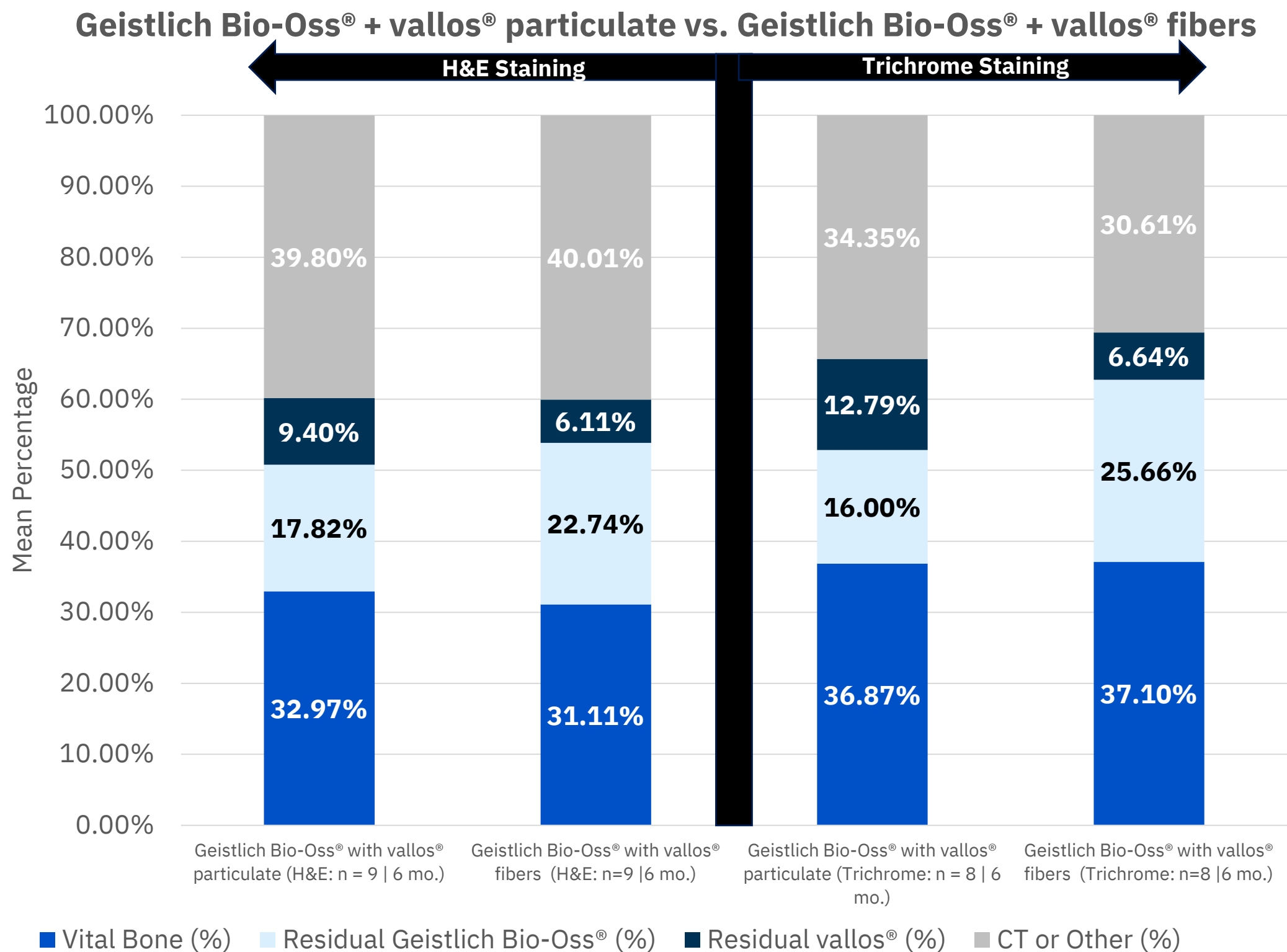


DISCLAIMER

The following page contain summaries of data published by Gabel et al., 2026 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.

Histologic Outcomes of vallos® Particulate & Fibers

Histologic & Histomorphometric Analysis at 6 Months



Key Message

Maxillary sinus augmentation using Geistlich Bio-Oss® combined with either vallos® fibers or vallos® particulate produces predictable histologic healing and equivalent vital bone formation, supporting clinician flexibility without compromising biologic outcomes.

Study results

- Comparable Biology With vallos® Fiber or Particulate:** Combined with Geistlich Bio-Oss®, vallos® fibers and particulate showed equivalent vital bone formation and graft remodeling at 6 months.
- Consistent Space Maintenance With Geistlich Bio-Oss®:** Geistlich Bio-Oss® provided reliable scaffold stability, supporting sinus volume maintenance and delayed implant placement.
- Meaningful Vital Bone at 6 Months:** Both groups achieved ~31–33% vital bone, consistent with established sinus augmentation outcomes and independent of vallos® form.
- Robust Histologic Validation:** Similar findings with H&E and Masson’s trichrome confirm true biologic healing rather than staining effects.



Level 1 Evidence:
Prospective
Randomized
Controlled Trial



31 Patients



Academia



6 Months



The aim of this study was to compare histologic and histomorphometric healing after maxillary sinus augmentation using vallos® fibers versus particulates combined with Geistlich Bio-Oss® at 6 months.