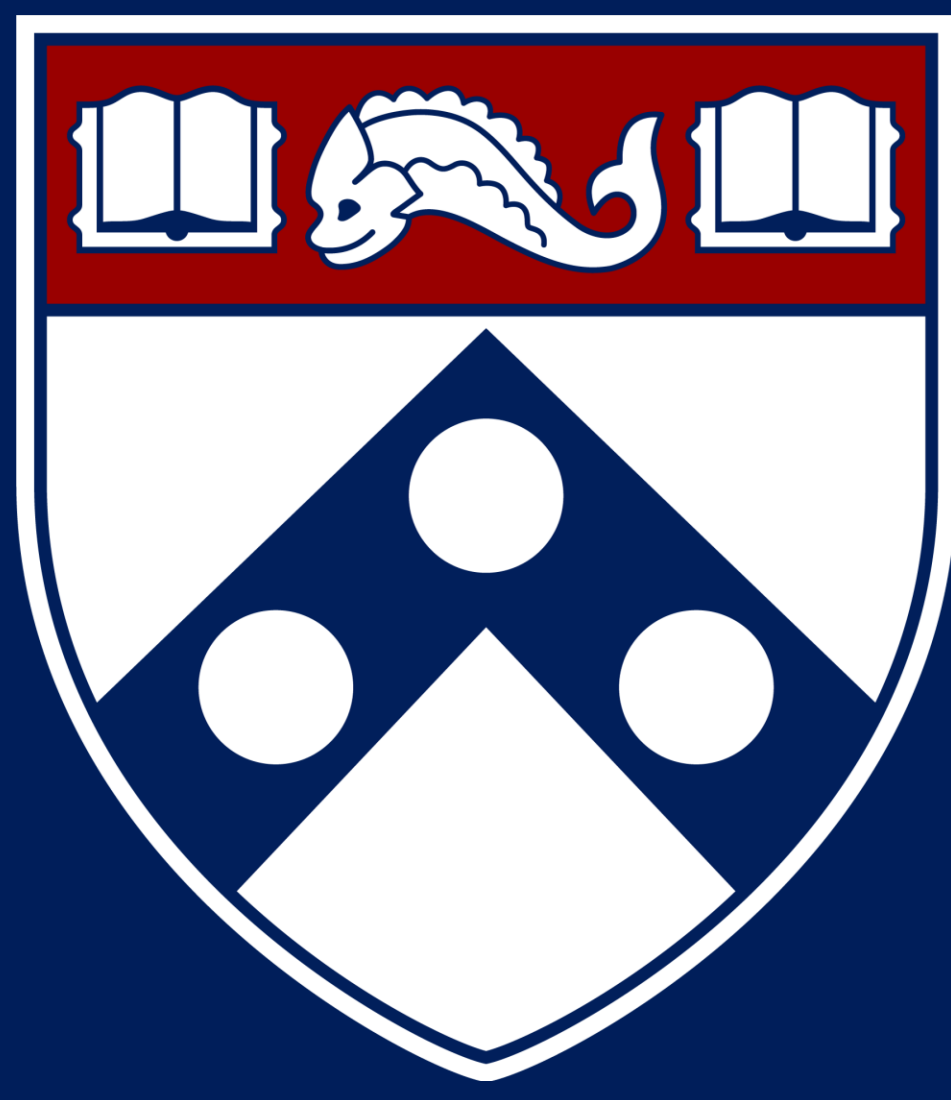


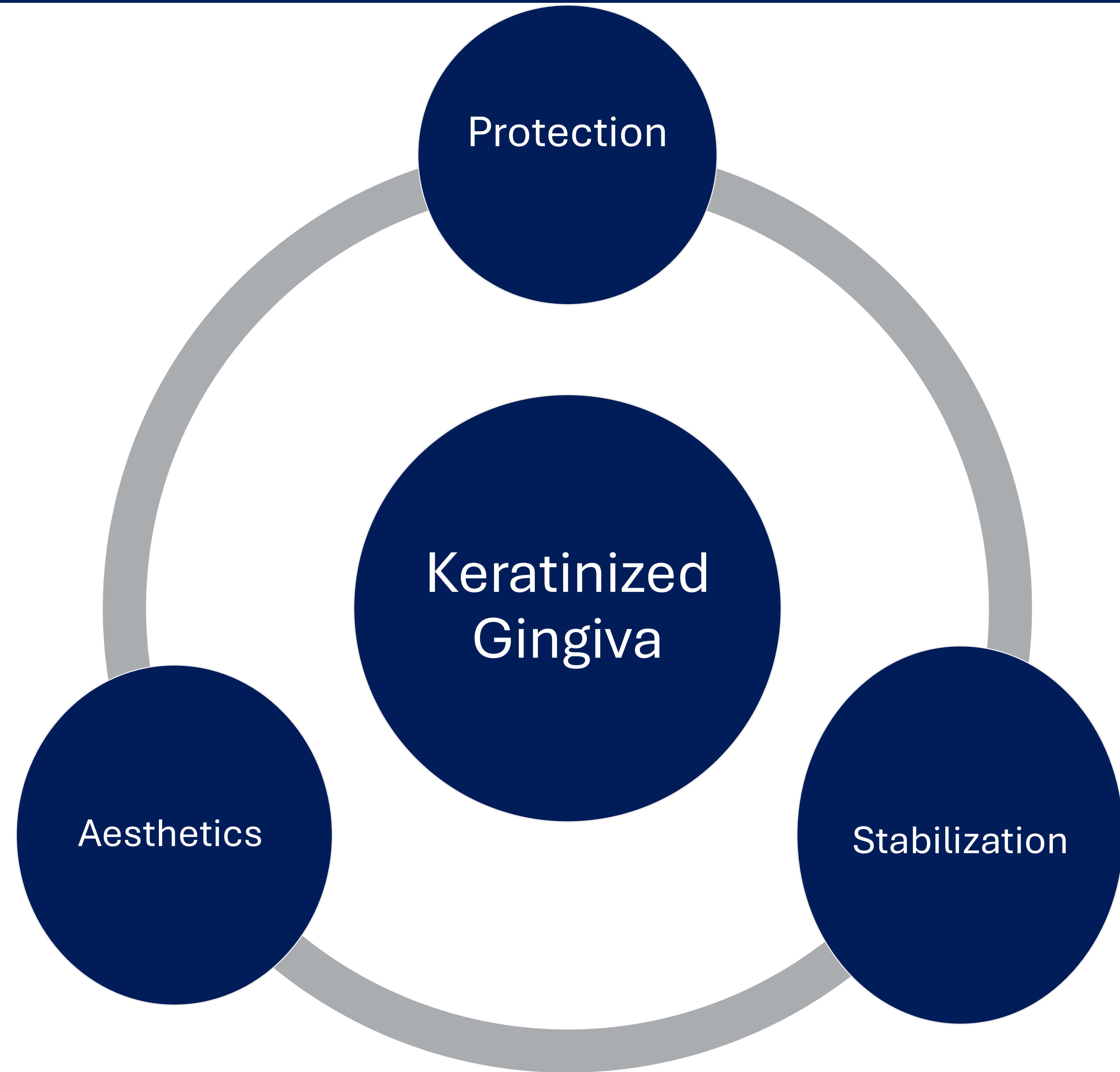


Assessment of Dimensional Changes in Free Gingival Graft Around Tooth and Dental Implant Sites: A Systematic Review and Proportional Meta-analysis

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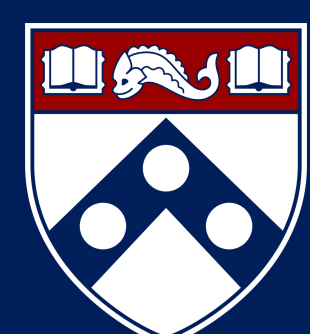
Introduction



Free Gingival Graft

Primary
Shrinkage

Secondary
Shrinkage



Method

Aim

- To assess the amount of shrinkage after obtaining a free gingival graft procedure in patients with inadequate keratinized gingiva around tooth/implant sites.

Primary Outcome

Vertical Graft Shrinkage

Horizontal Graft Shrinkage

Area Graft Shrinkage)

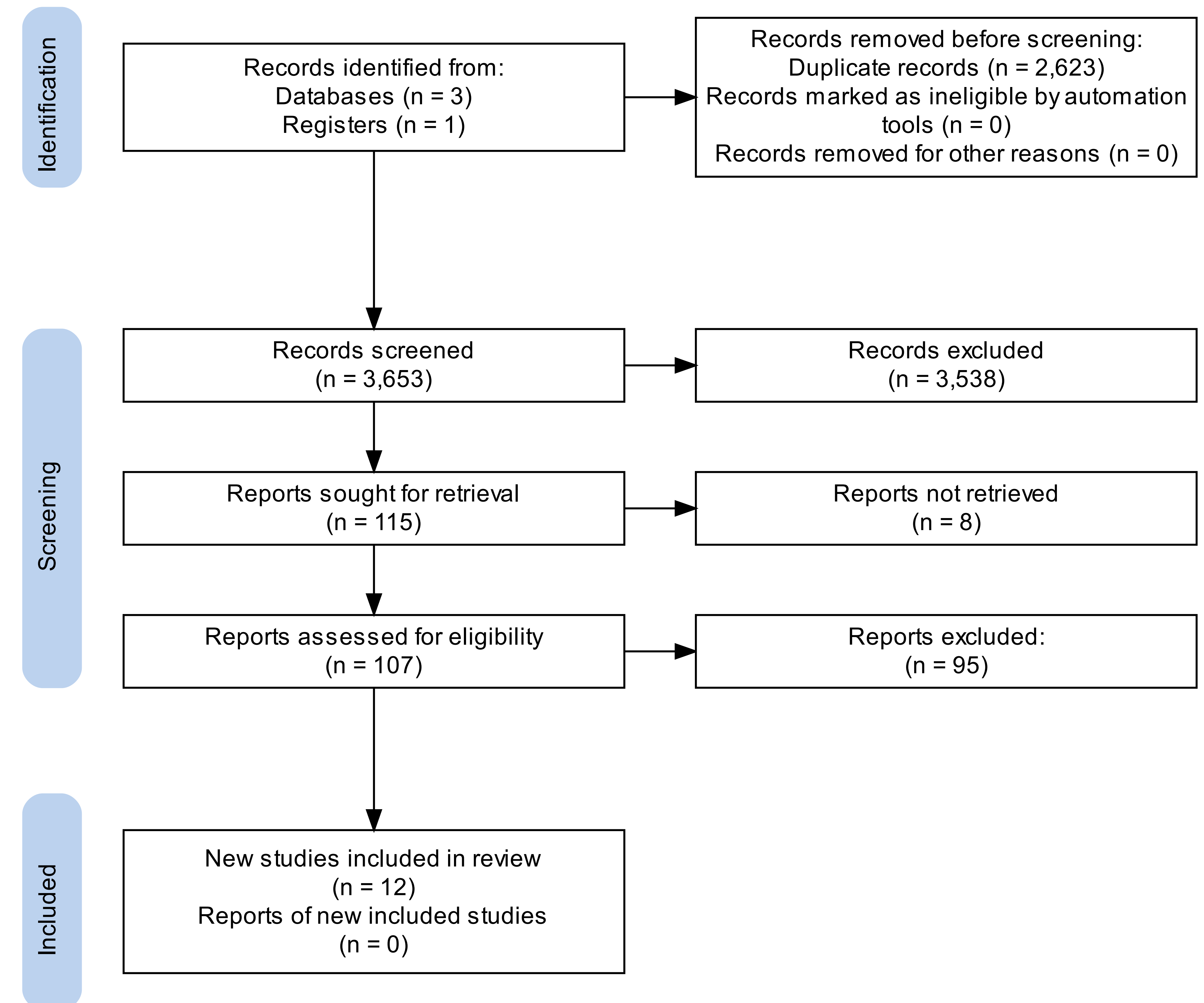
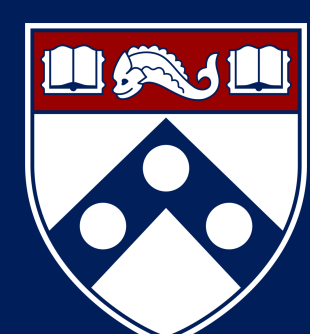
Secondary Outcome

BOP

KT Gain

CAL

Identification of new studies via databases and registers



Results

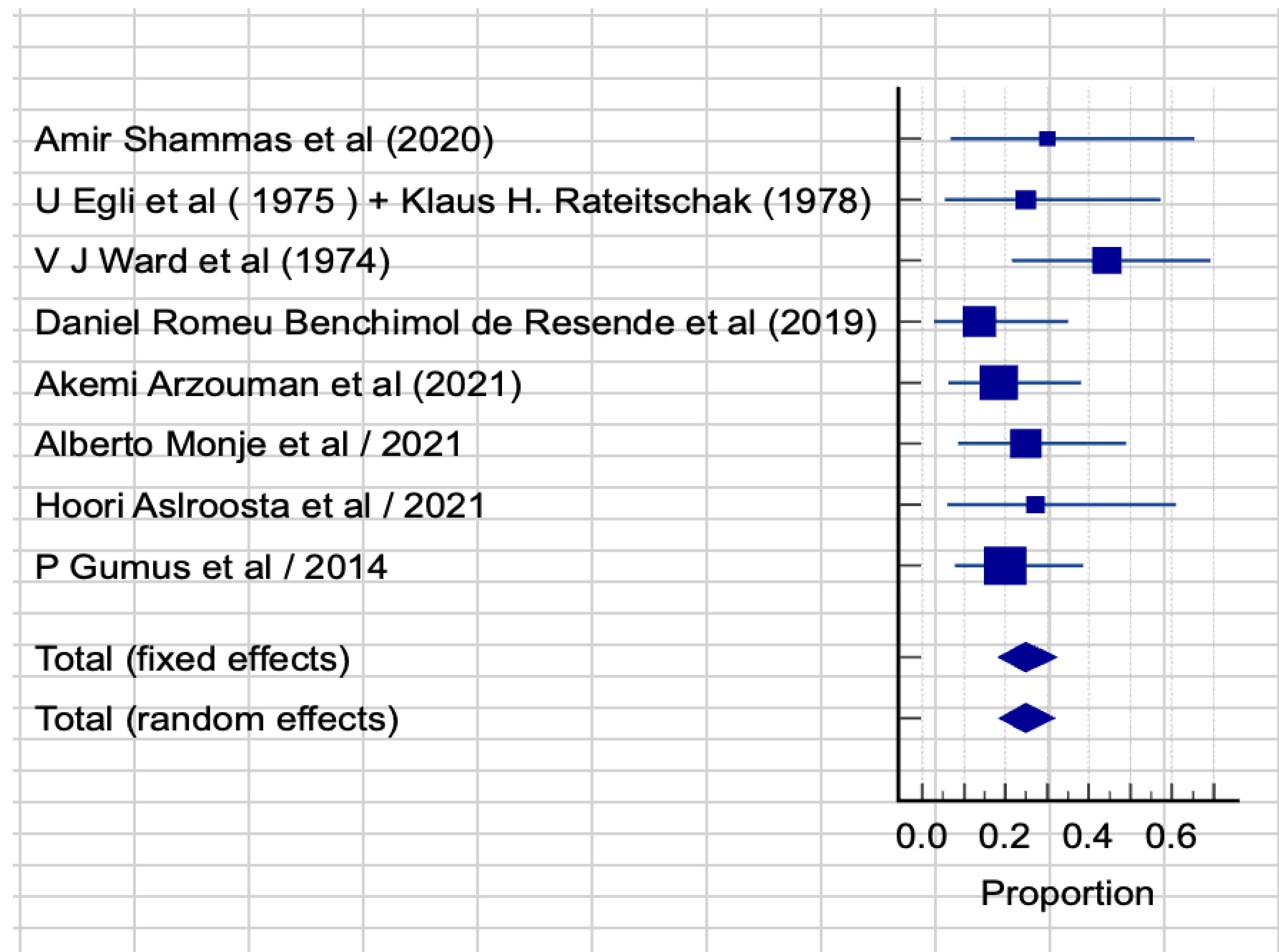


Figure 1 (Forest plot)

Cumulative proportion of gingival shrinkage for overall time interval on tooth sites.

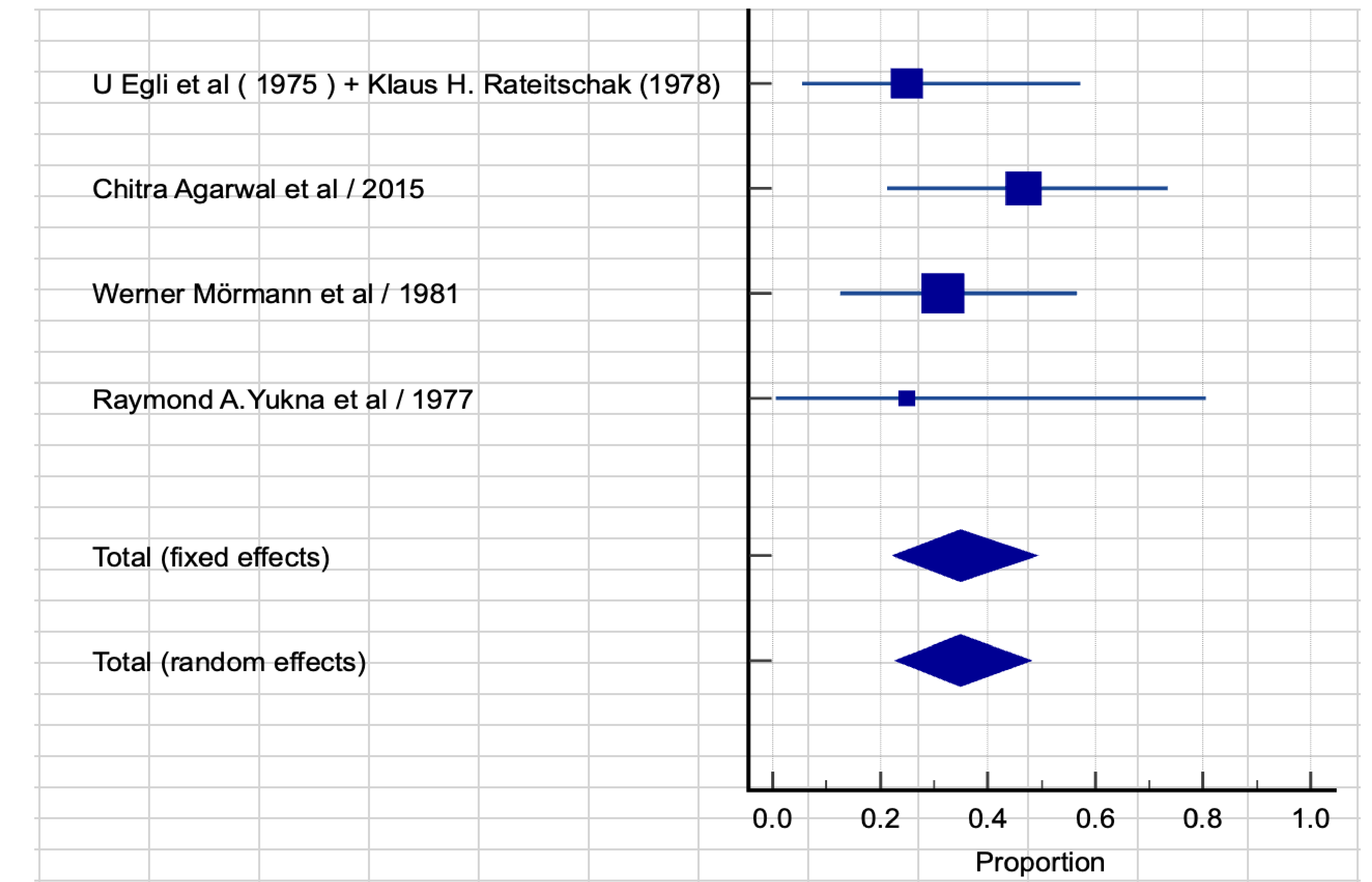
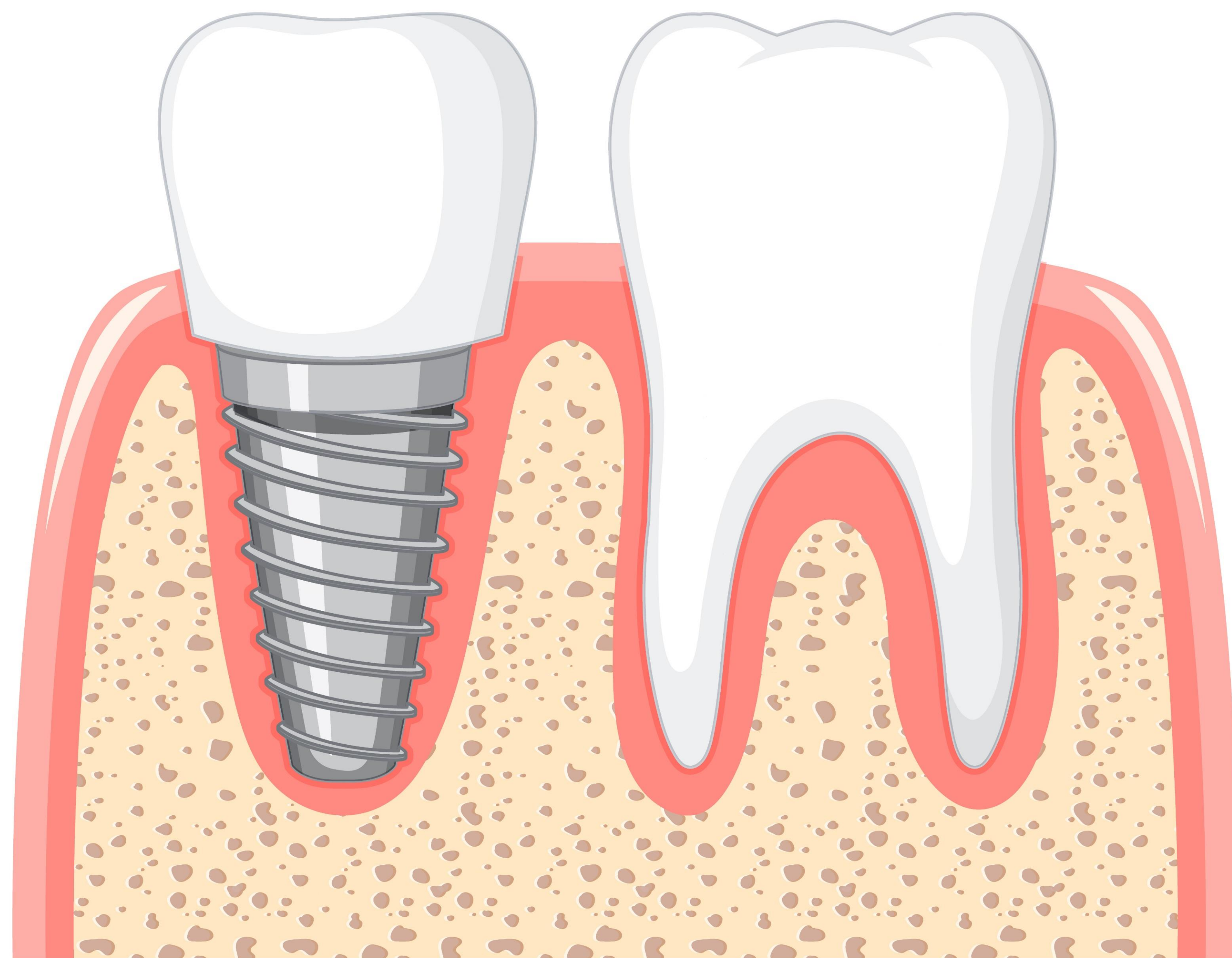


Figure 2 (Forest plot)

Cumulative proportion of gingival shrinkage for overall time interval on dental implants sites.

Conclusion



The pooled estimate showed 25.52% of FGG shrinkage is expected within 6 months around natural teeth while 28.066% around dental implants

There is some variability in the estimates across studies, but the overall trend is consistent.

Further research is needed to address the heterogeneity and publication bias.

