

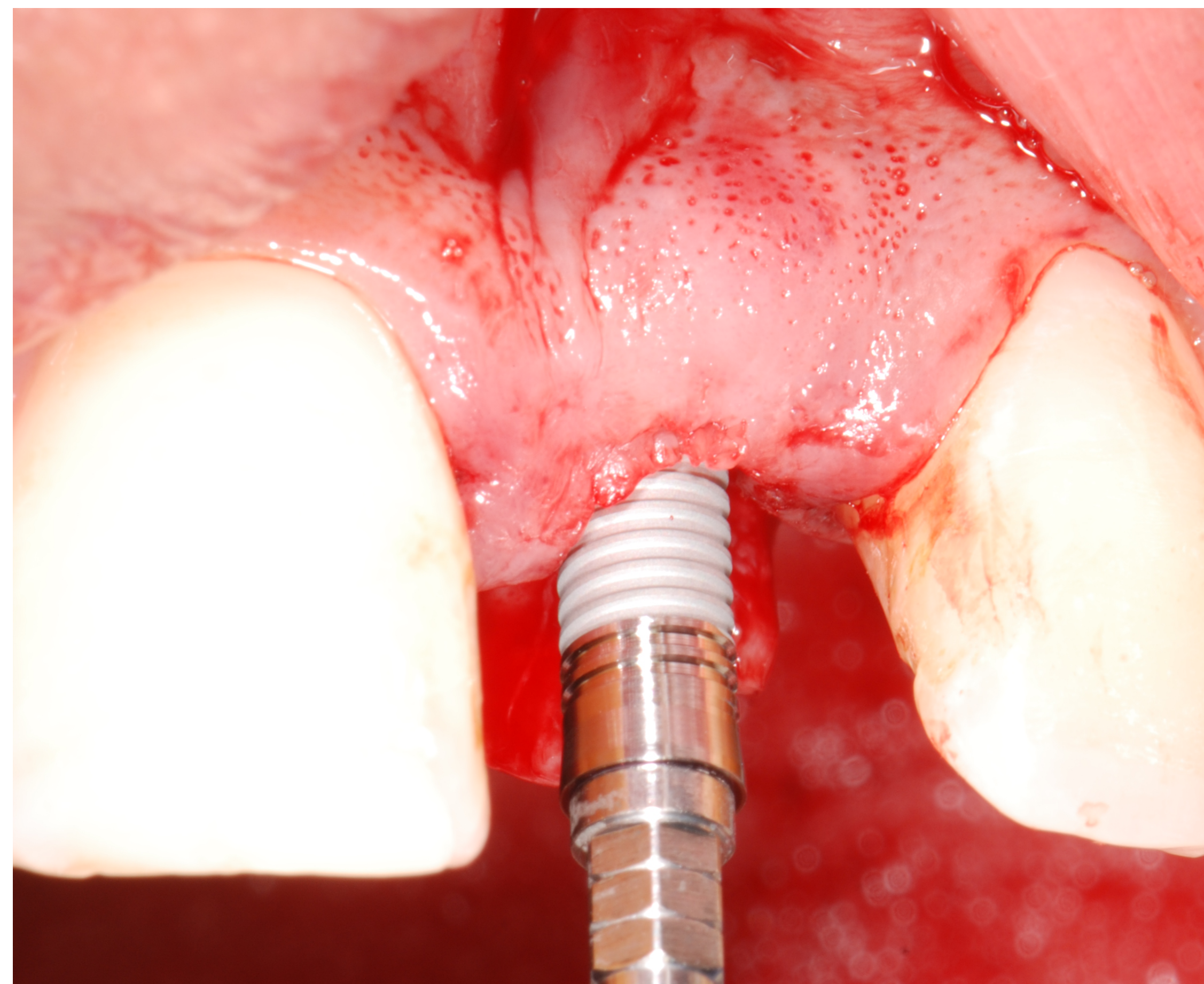
Occurance of post-op gingival recession at the donor site following autogenous connective tissue graft : an exploratory study using a 3D digital analysis.

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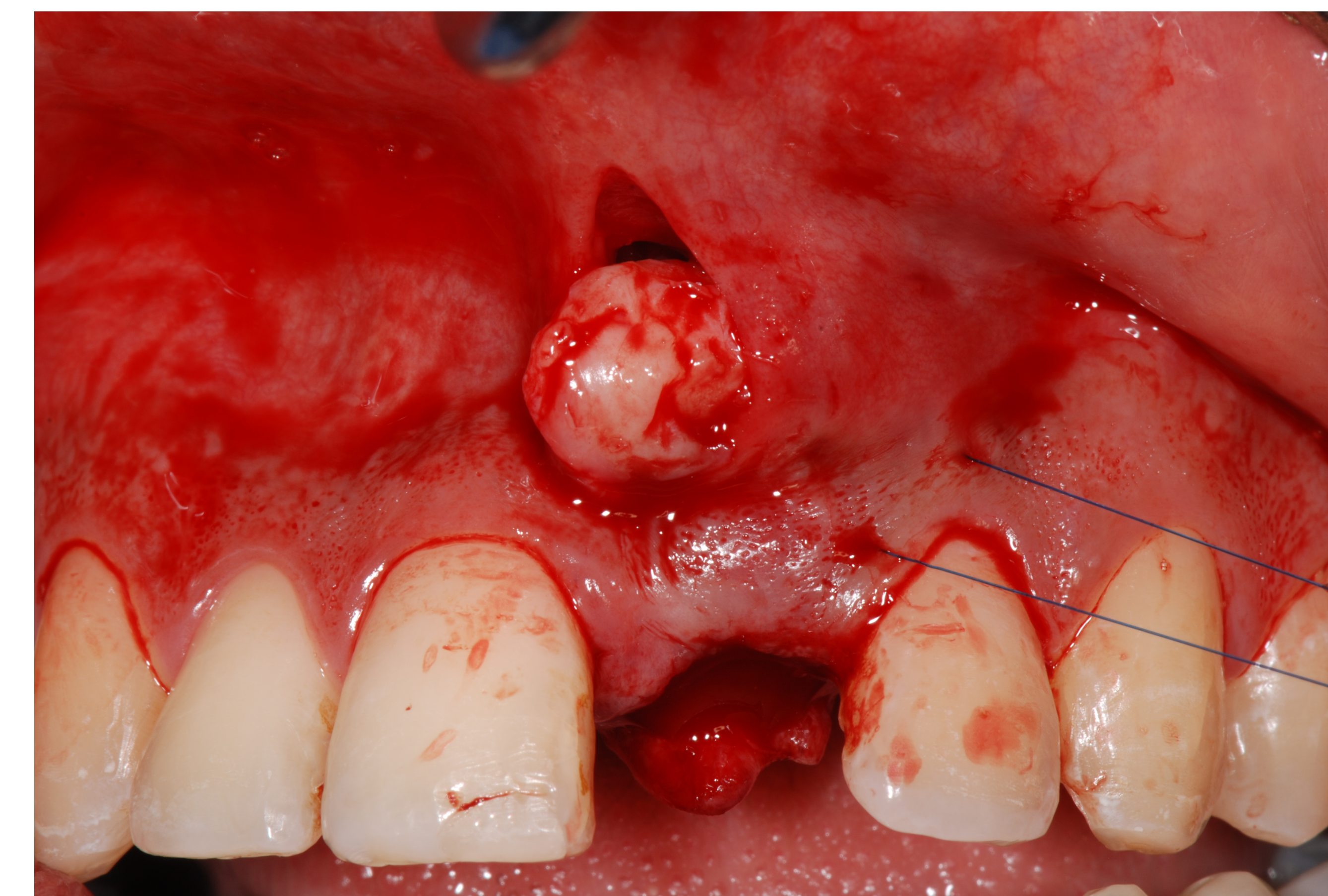
Introduction



Implant placement



Subepithelial CTG with periosteum



CTG for peri-implant phenotype modification



Pre-op

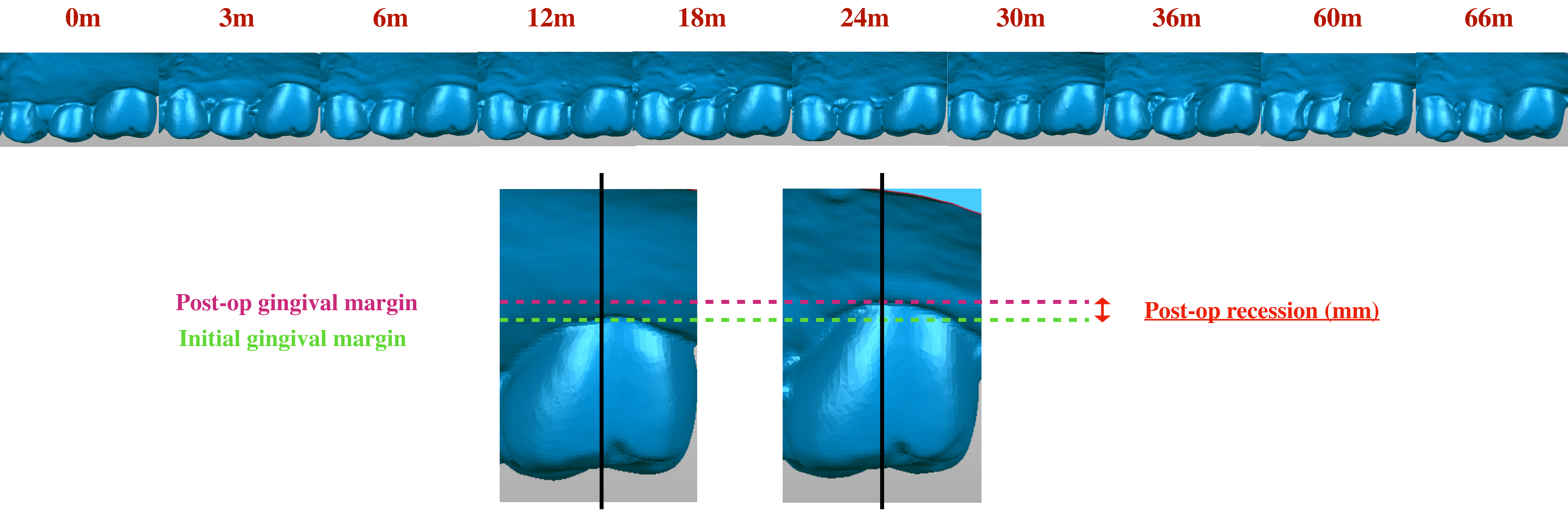


Intra-surgery



12 weeks

Material and Method



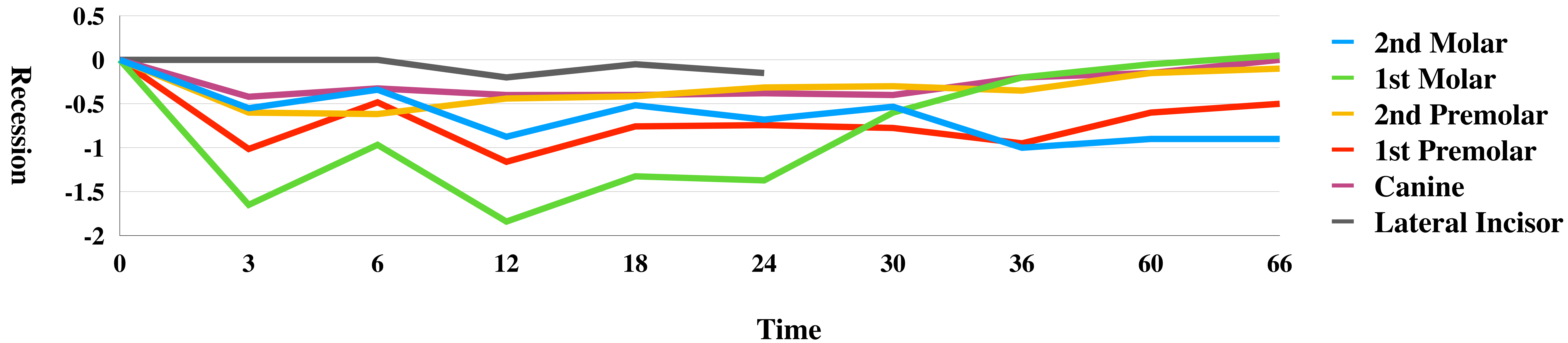
Subject: Total twenty seven teeth at eight donor sites

Time: Pre- and follow-up up to 66 months

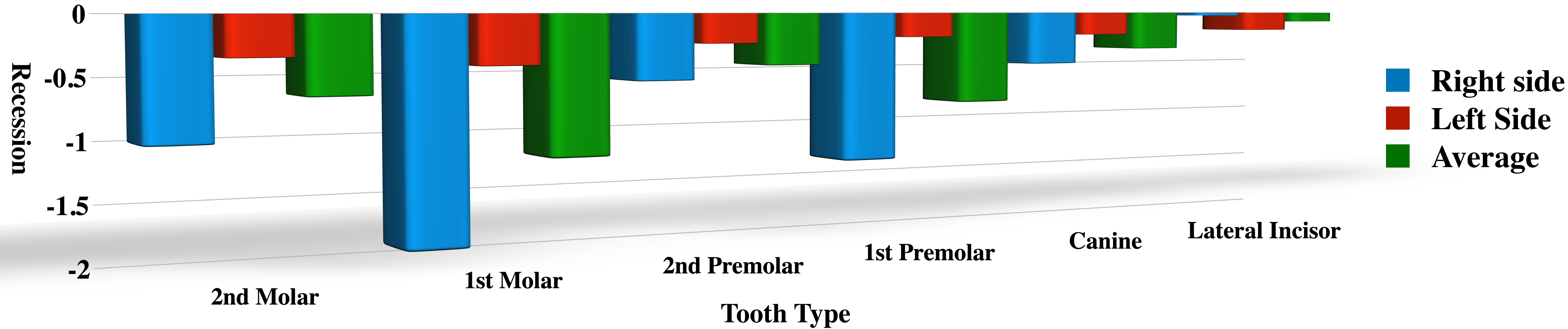
Method: Impression was obtained prior to surgery and every follow-up. Then all casts were scanned by a desk-top scanner. The STL file of casts were imported to engineering software and digitally superimposed for 3D measurement.

Primary outcome: Amount of gingival recession at donor site

Results



Results



Conclusion:

Our 3D study demonstrated that post-op gingival recession at donor site was occurred most often on palatal aspect of 1st molar followed by first premolar. Care should be taken, when harvesting autogenous CTG with periosteum from lateral palatal wall. It can be speculated that presence of dehiscence defect or root prominence of palatal root may negatively impact on the occurrence of post-operative gingival recession following harvesting CTG.