

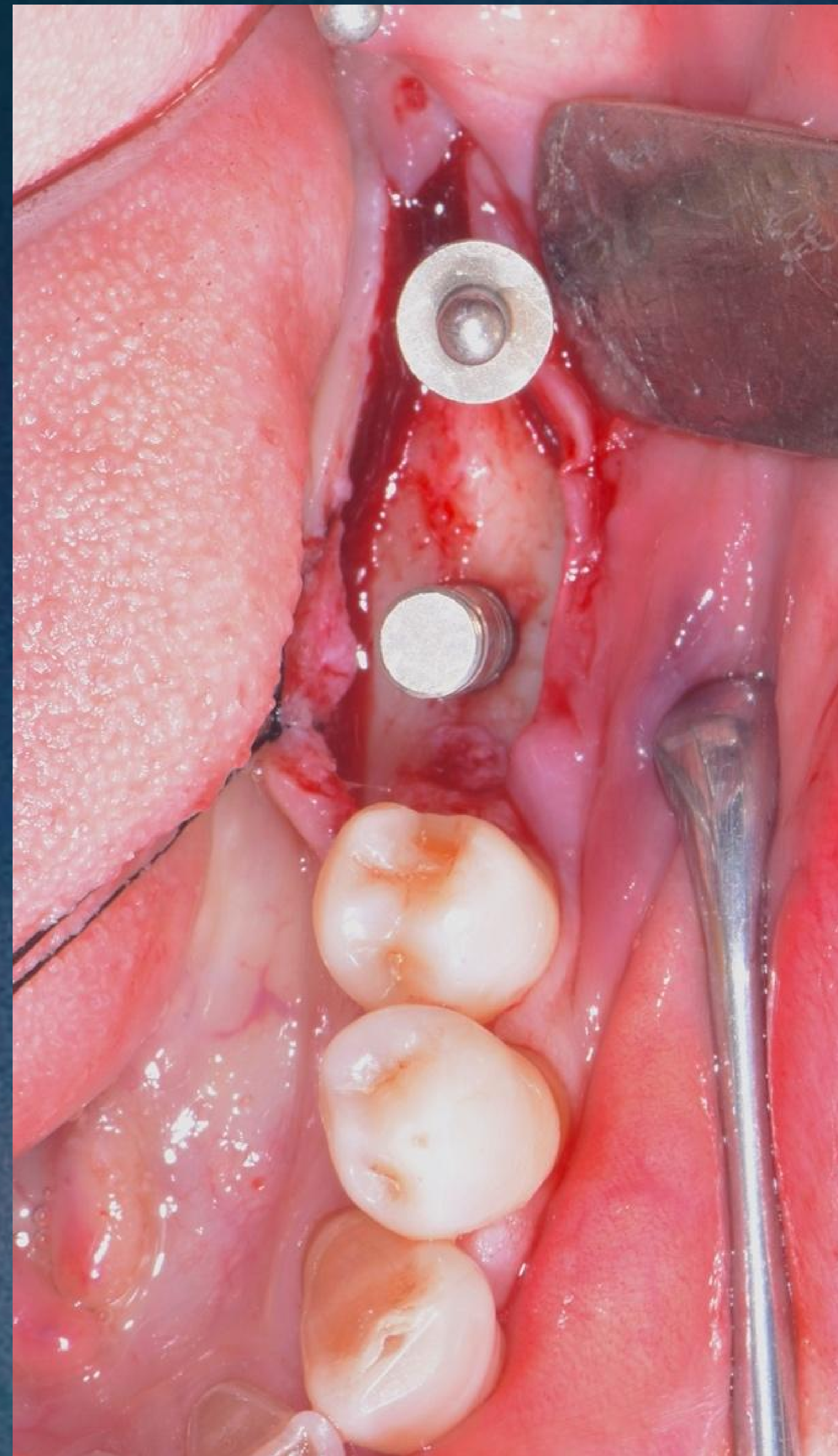
Incremental cases of free gingival transplantation using a root-oriented reduction flap were performed when there was insufficient keratinized mucosa following implantation

Xinhai Miao

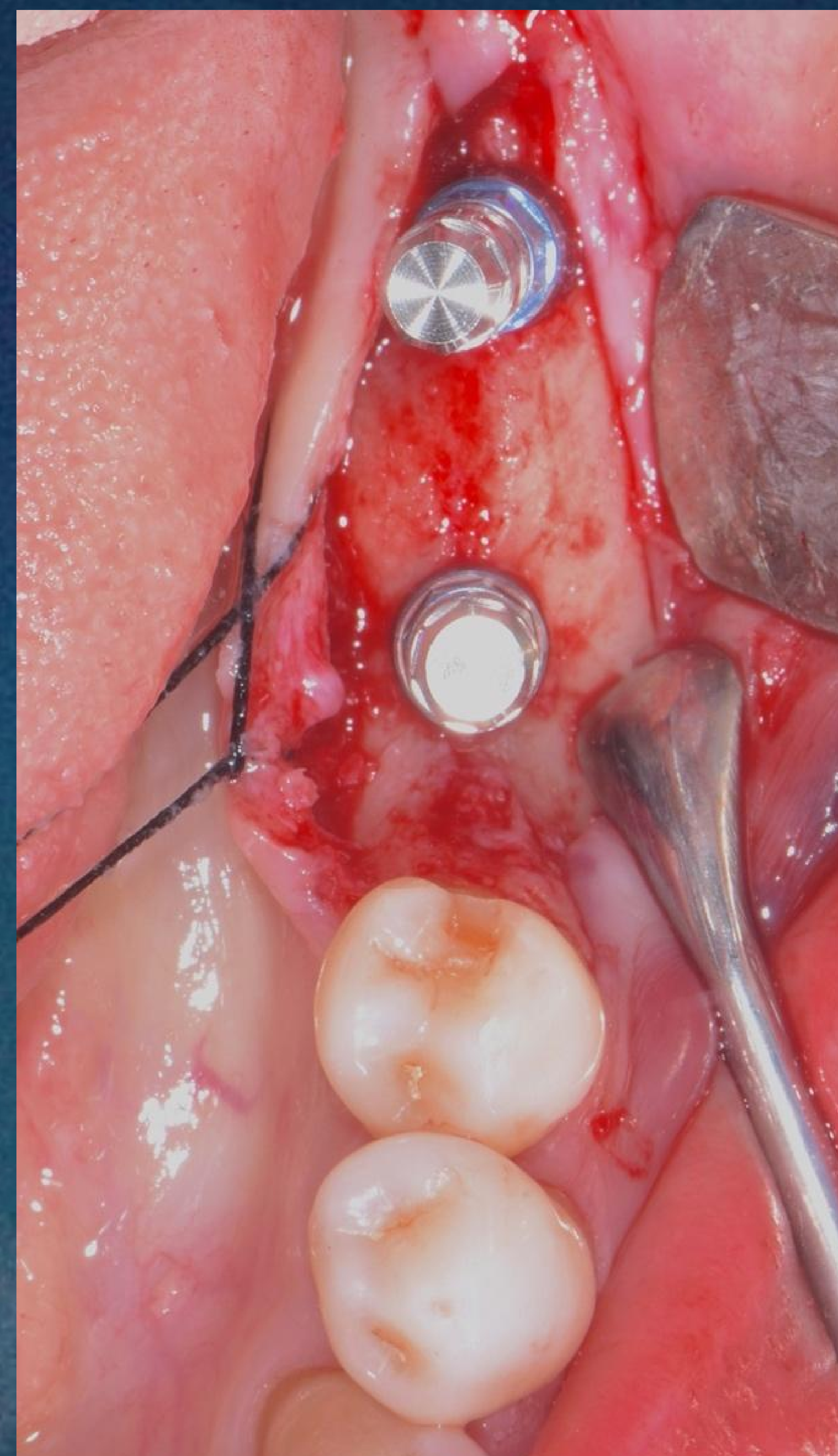
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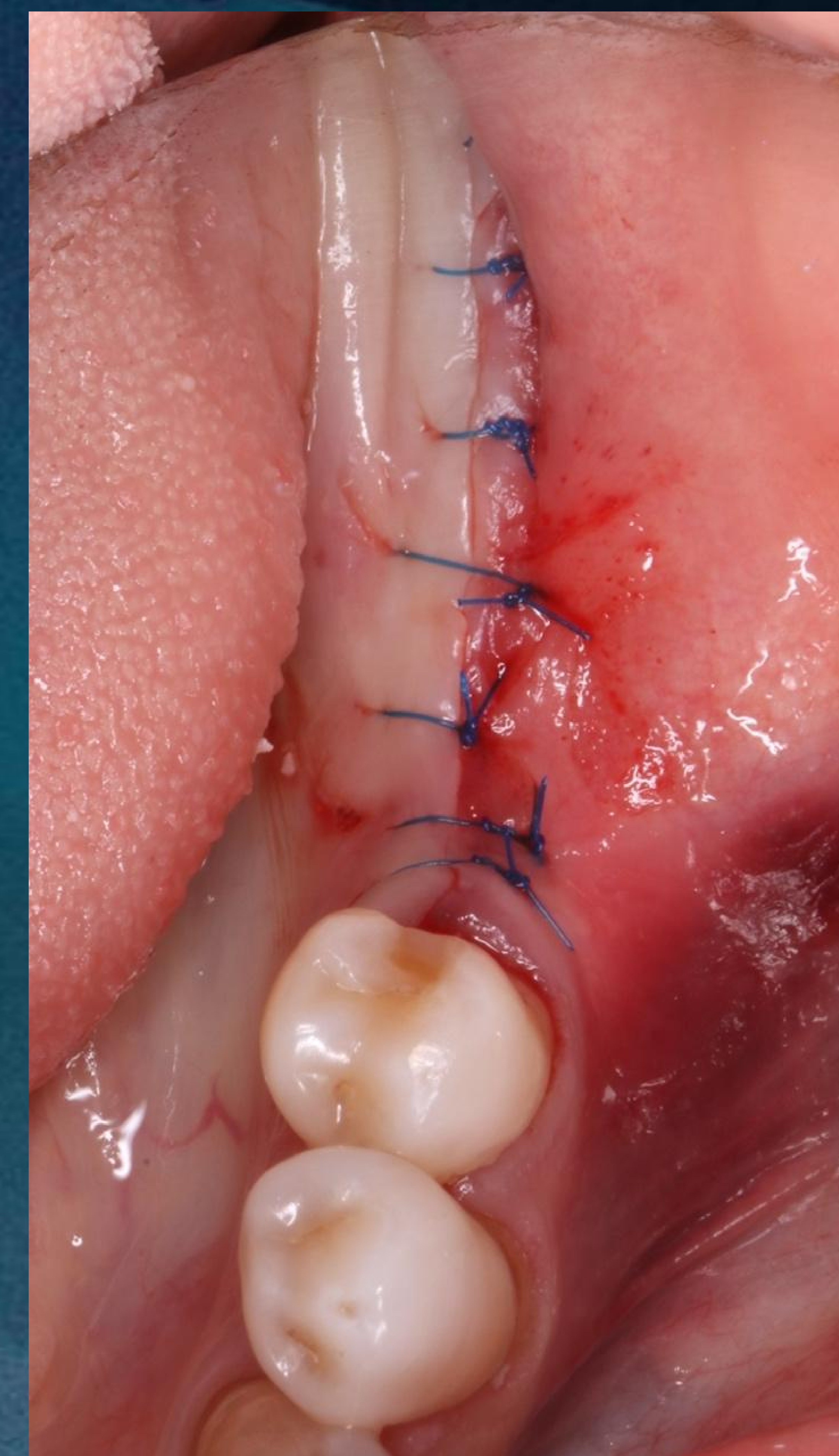
36 37 removed



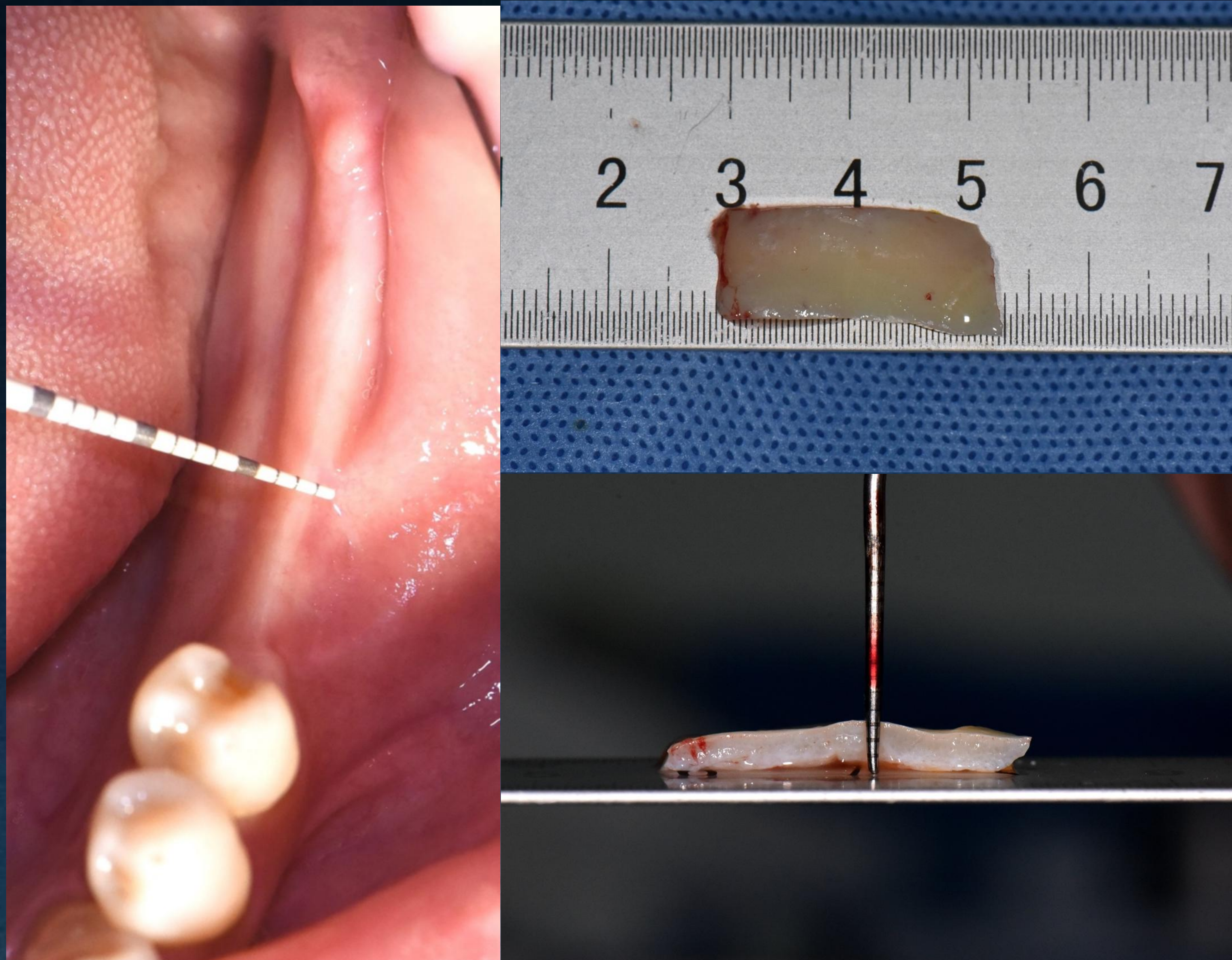
Cut and flap



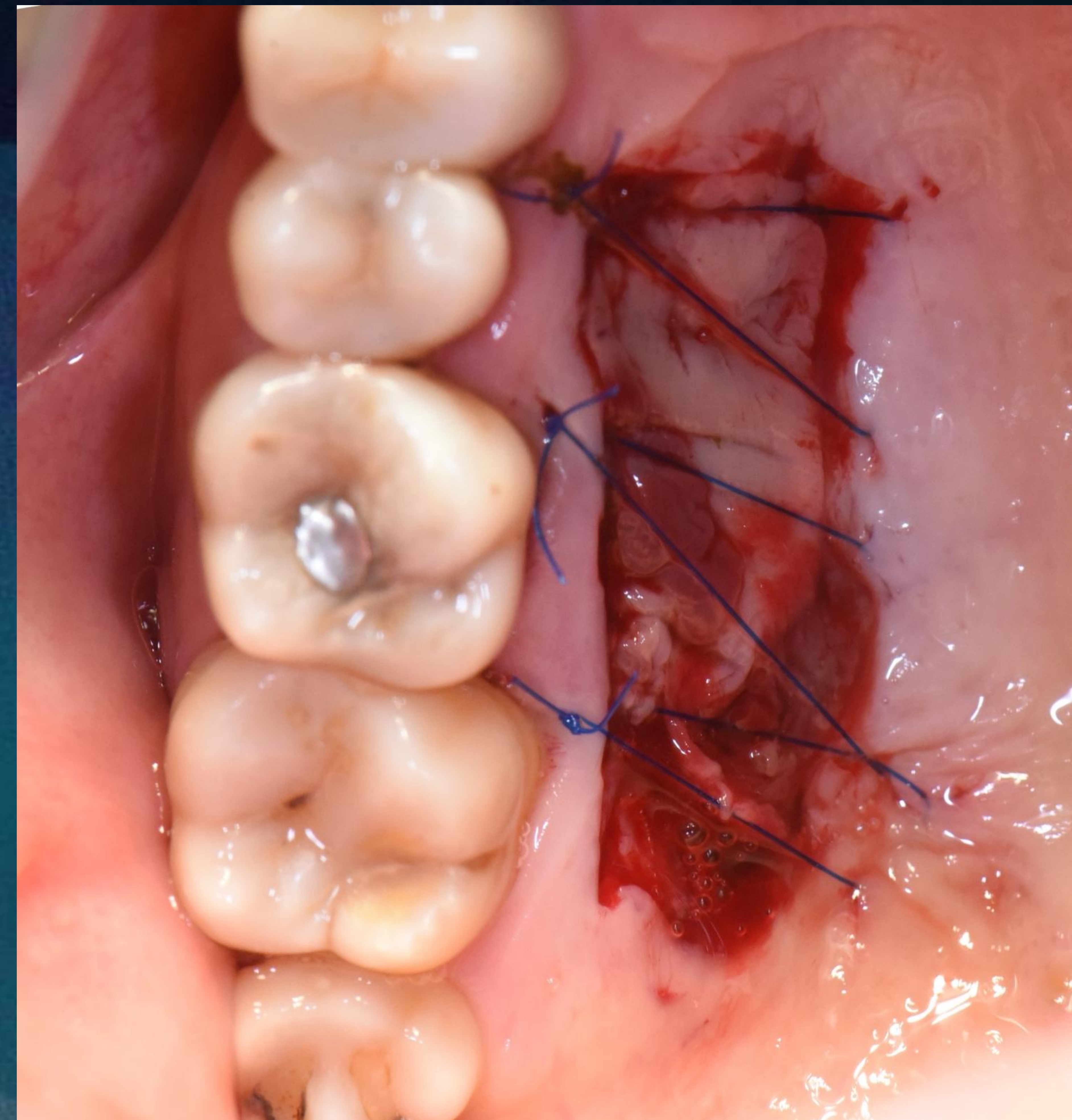
Implant operation



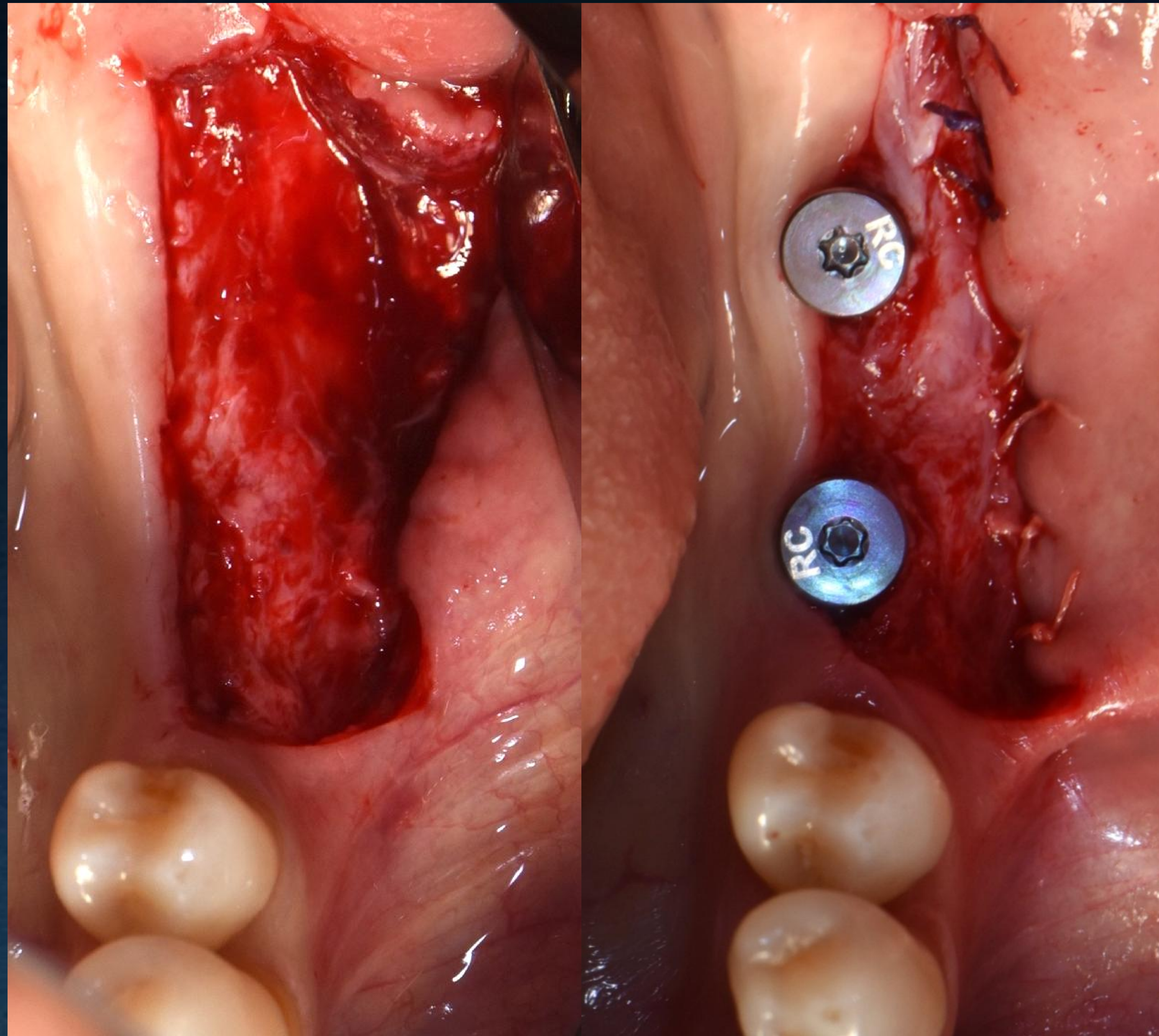
Suture



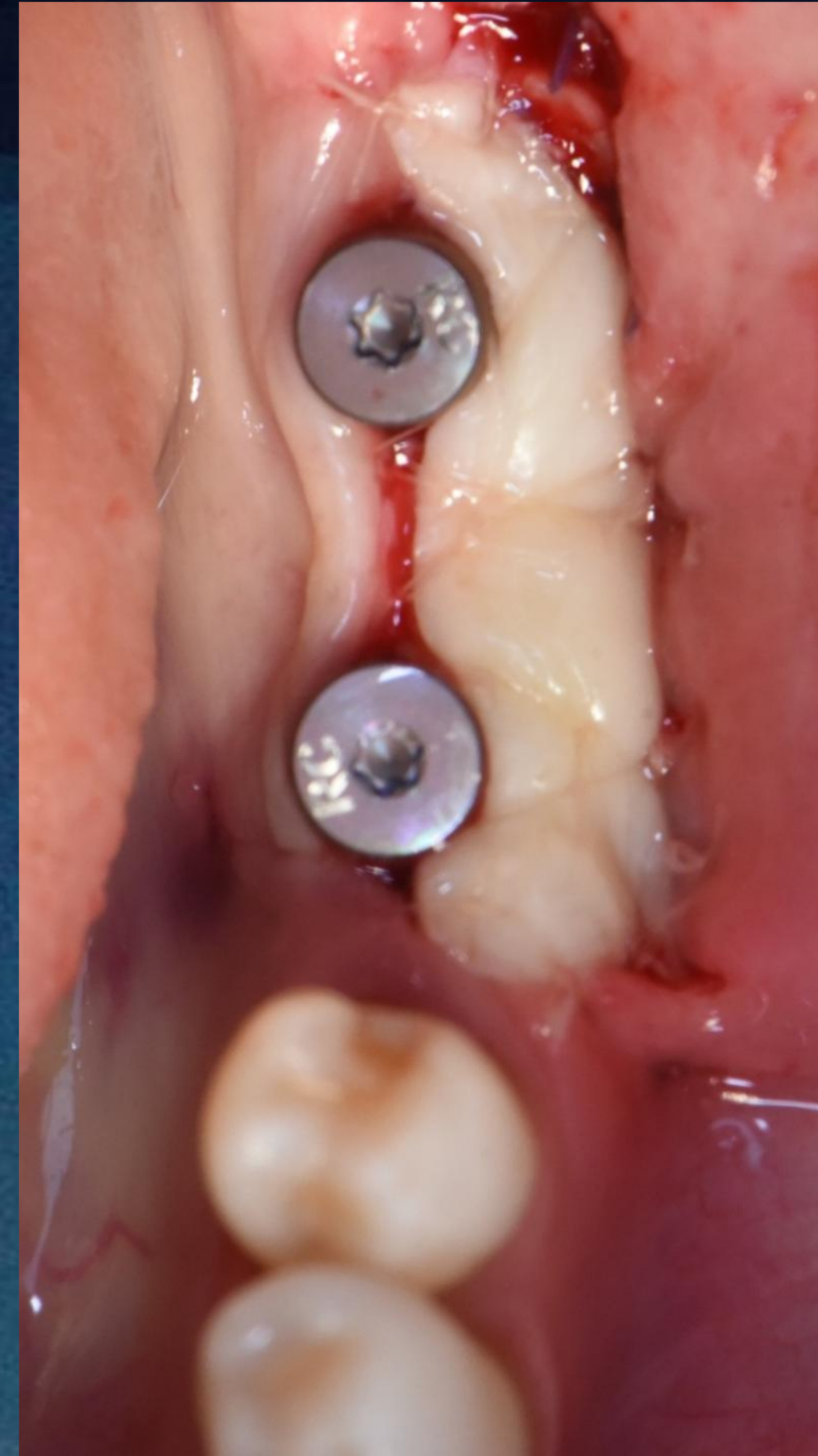
Insufficient buccal keratinized gingiva was found 3 months after implantation. The distal width is about 3mm and the mesial width is about 2mm.



FGG with length of 20mm, width of 7mm and thickness of 3mm was taken from the upper palate. The donor area was covered with CGF and triangular mattress suture was used.



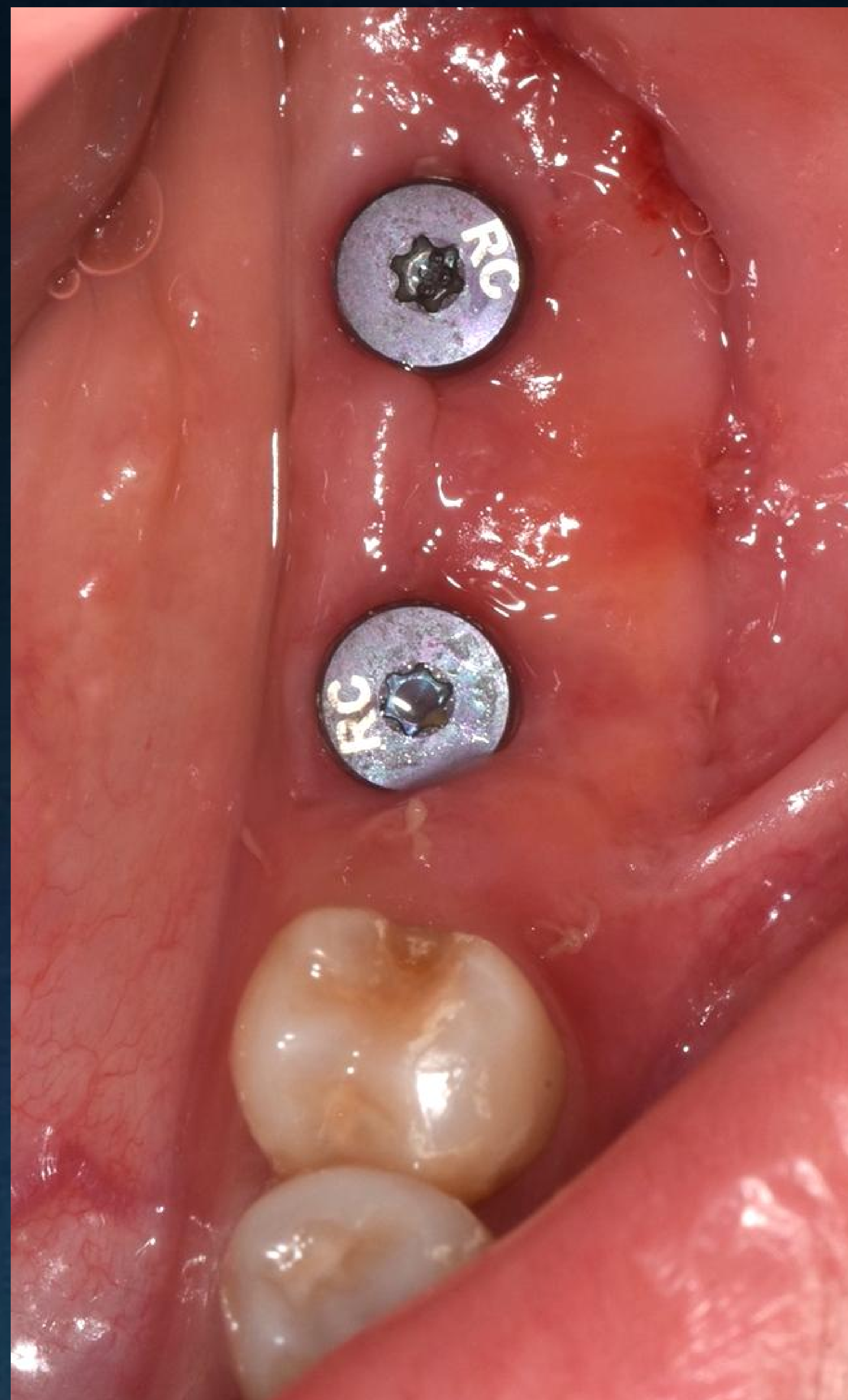
The periosteal semi-thick flap was preserved, the buccal mucosa was dissected, and then fixed to the periosteum.



Triangular-pad method fix FGG proximal and distal, and cross external 8-figure compression fix the grafts.



2 weeks after FGG , before stitches removed



2 weeks after FGG ,
after stitches removed



Follow-up at 6 weeks
after FG



Follow-up at 10 weeks
after FG



Follow-up at 18 weeks
after FG

The effect of keratinized gingival transplantation was stable 12 months after crown restoration



1-2mm



1-2mm



3mm



2-3mm



3mm



4-5mm