



**LAYAL BOU
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OURIQUES**

DMD , MSC



**PRISCILLA
SOSA**

DMD



**HUSSEIN
BASMA**

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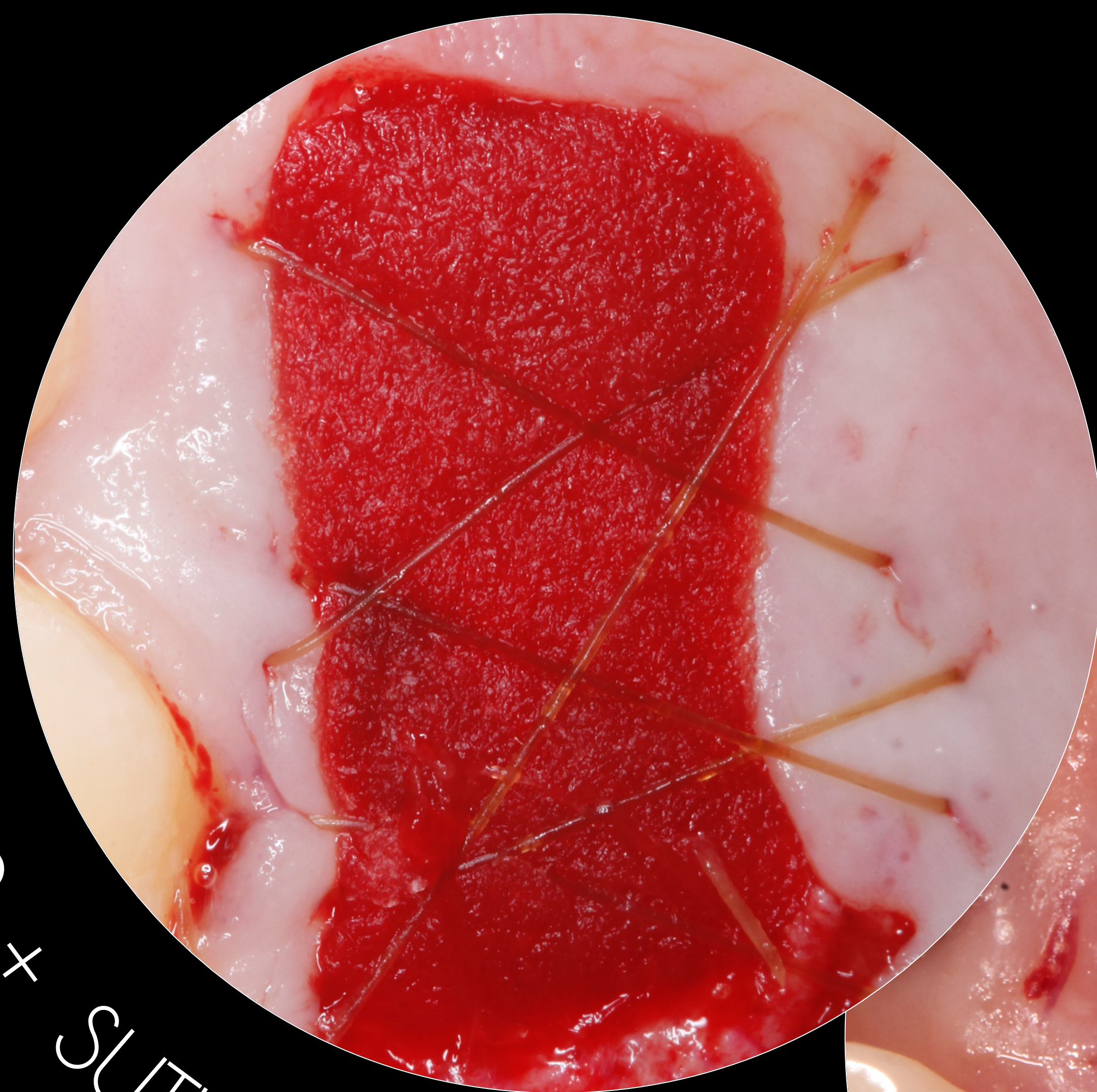
**MANINDER
KAUR**

DMD , MSC

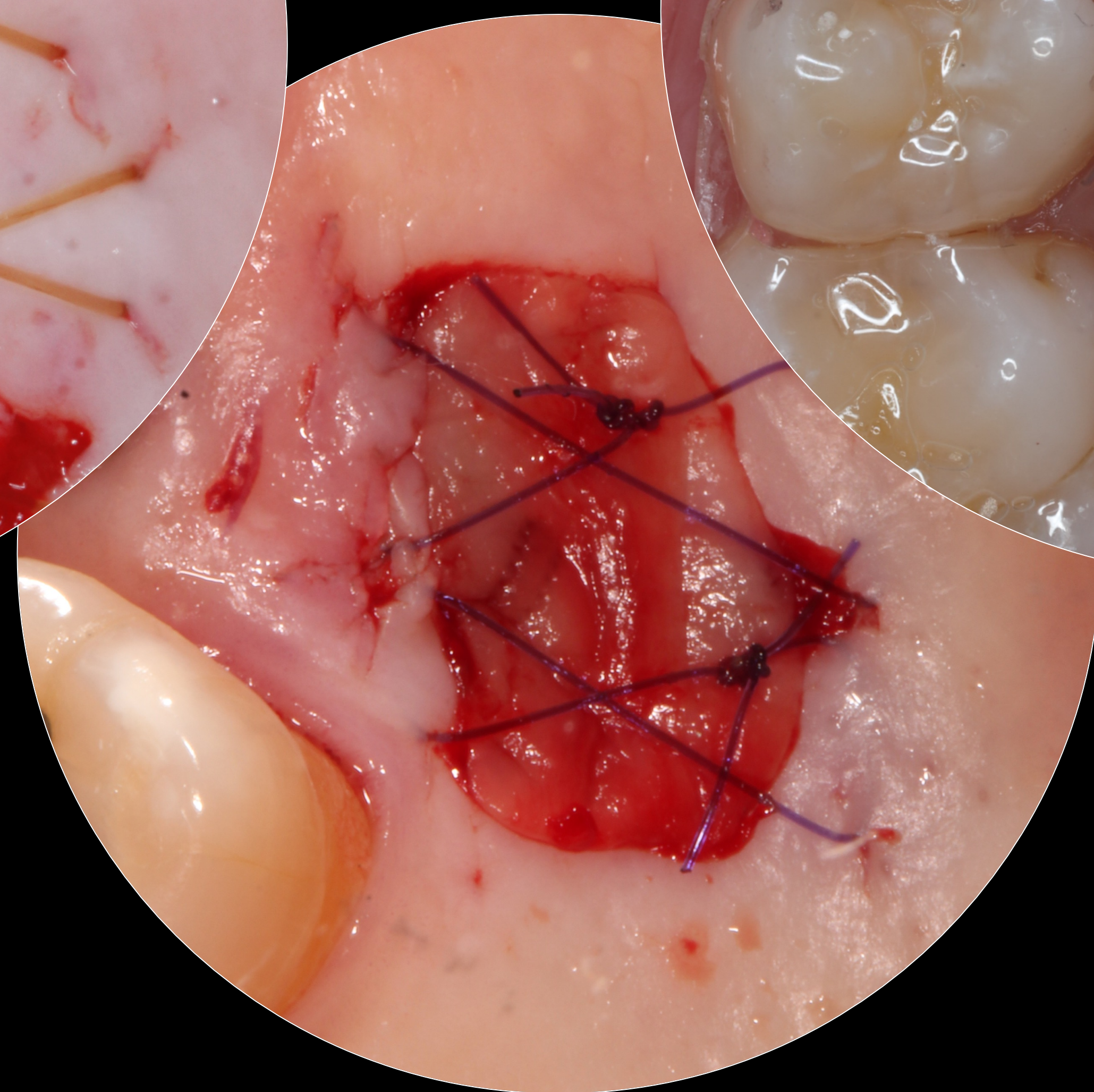
POST-GRAFT PAIN MANAGEMENT

Evaluating Collagen Sponge and Composite
in Free Gingival Graft Donor Sites

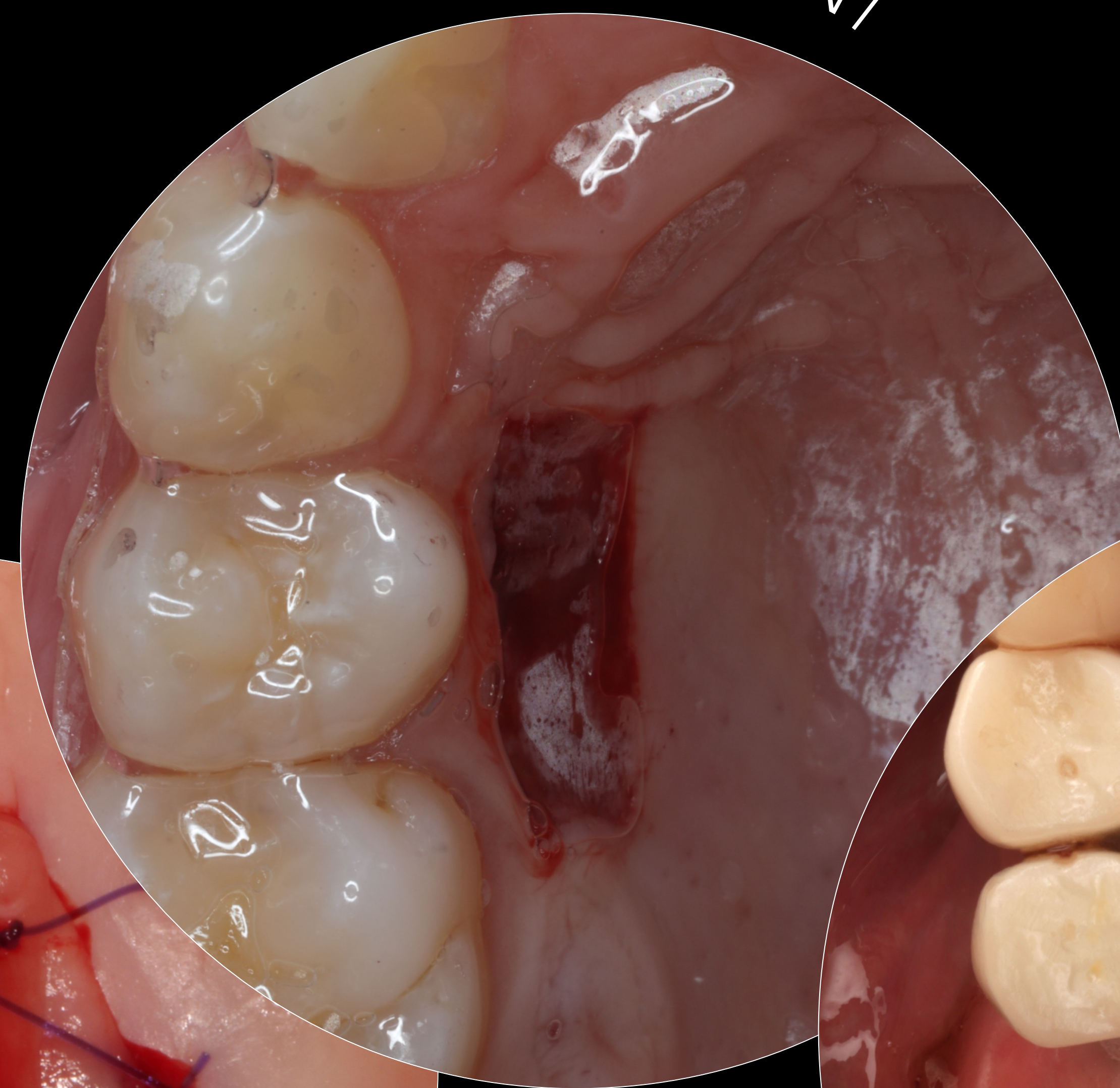
COLLAGEN STRIP + SUTURES



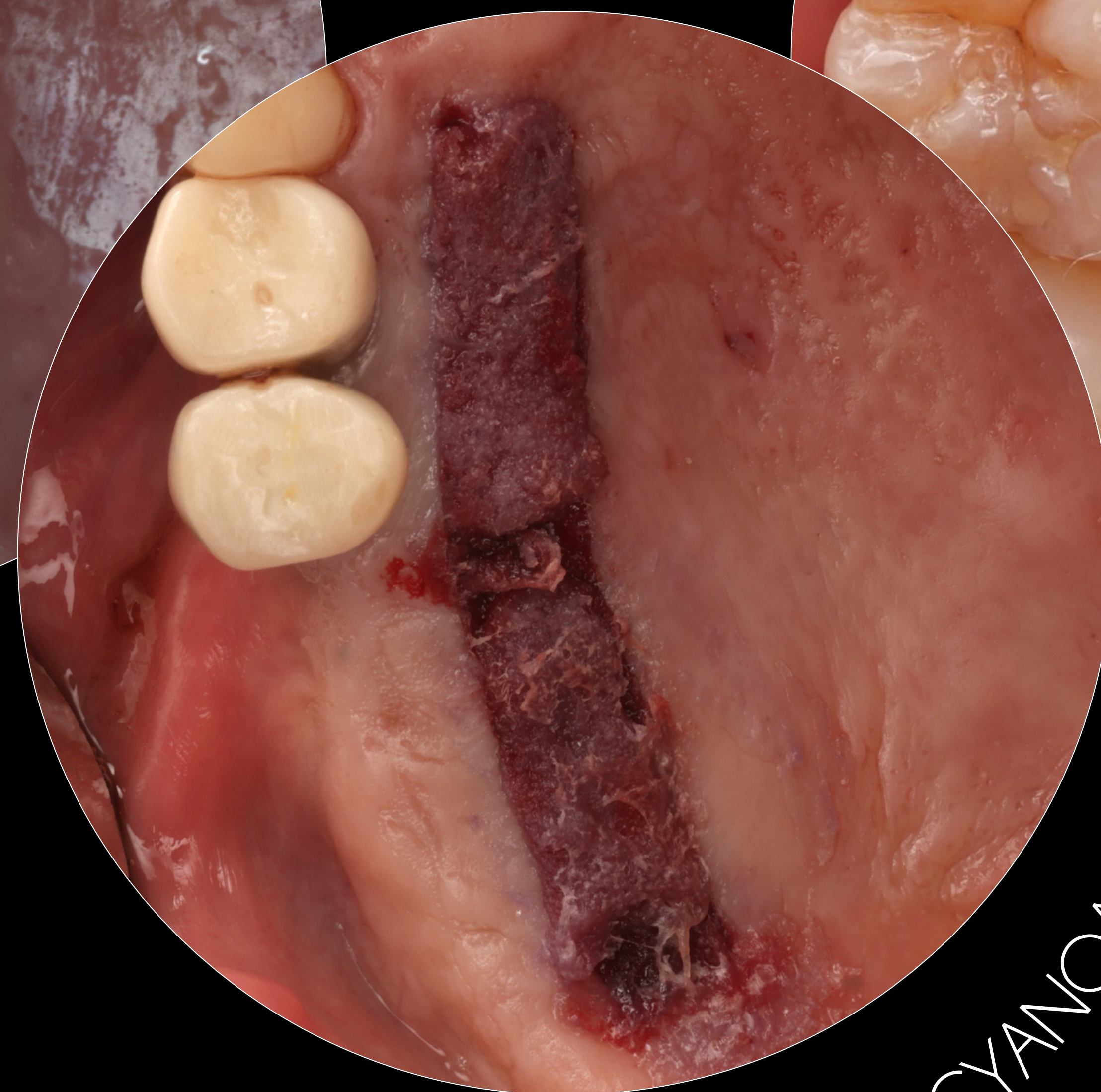
PRF + SUTURES



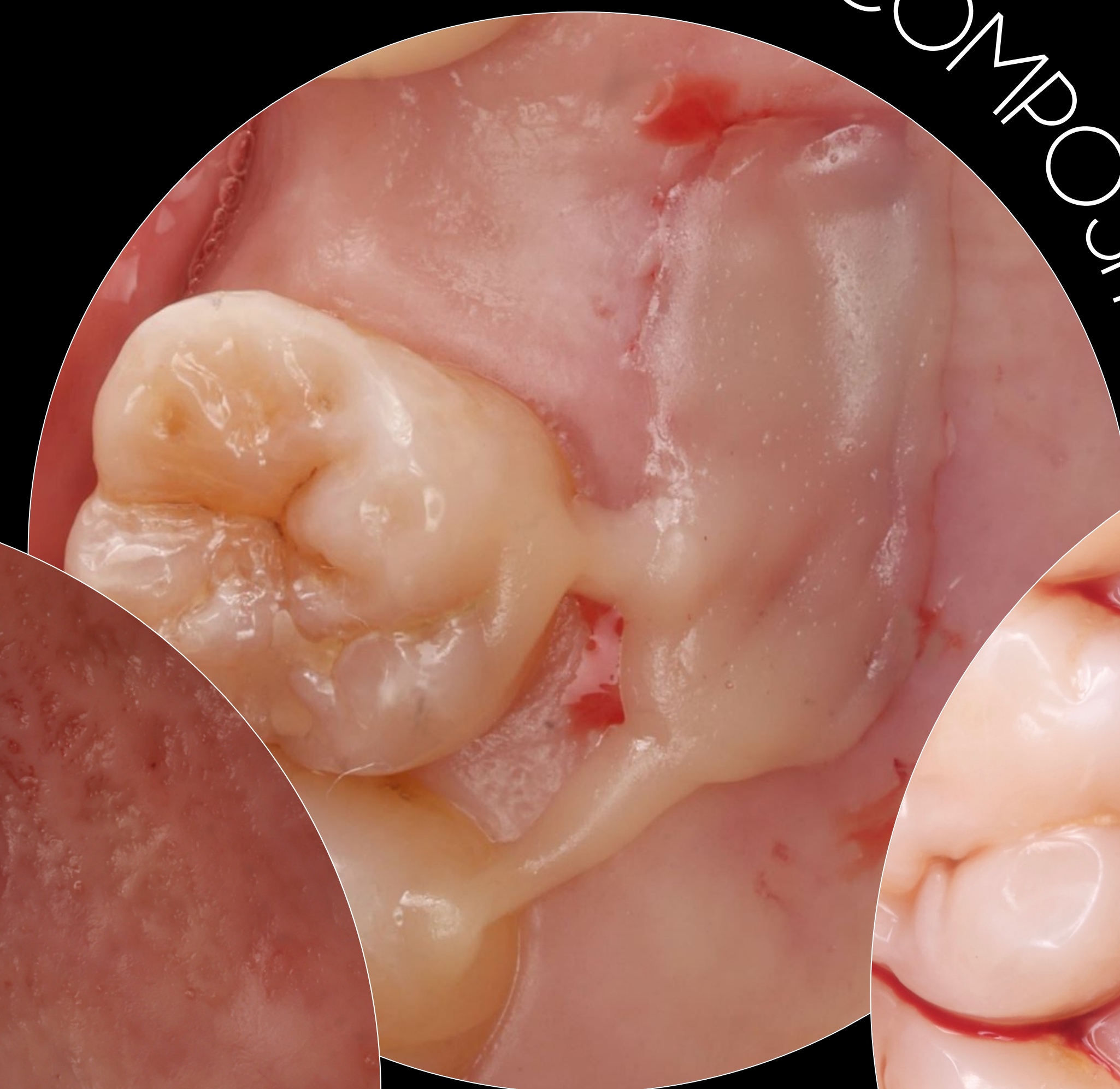
PALATAL STENT



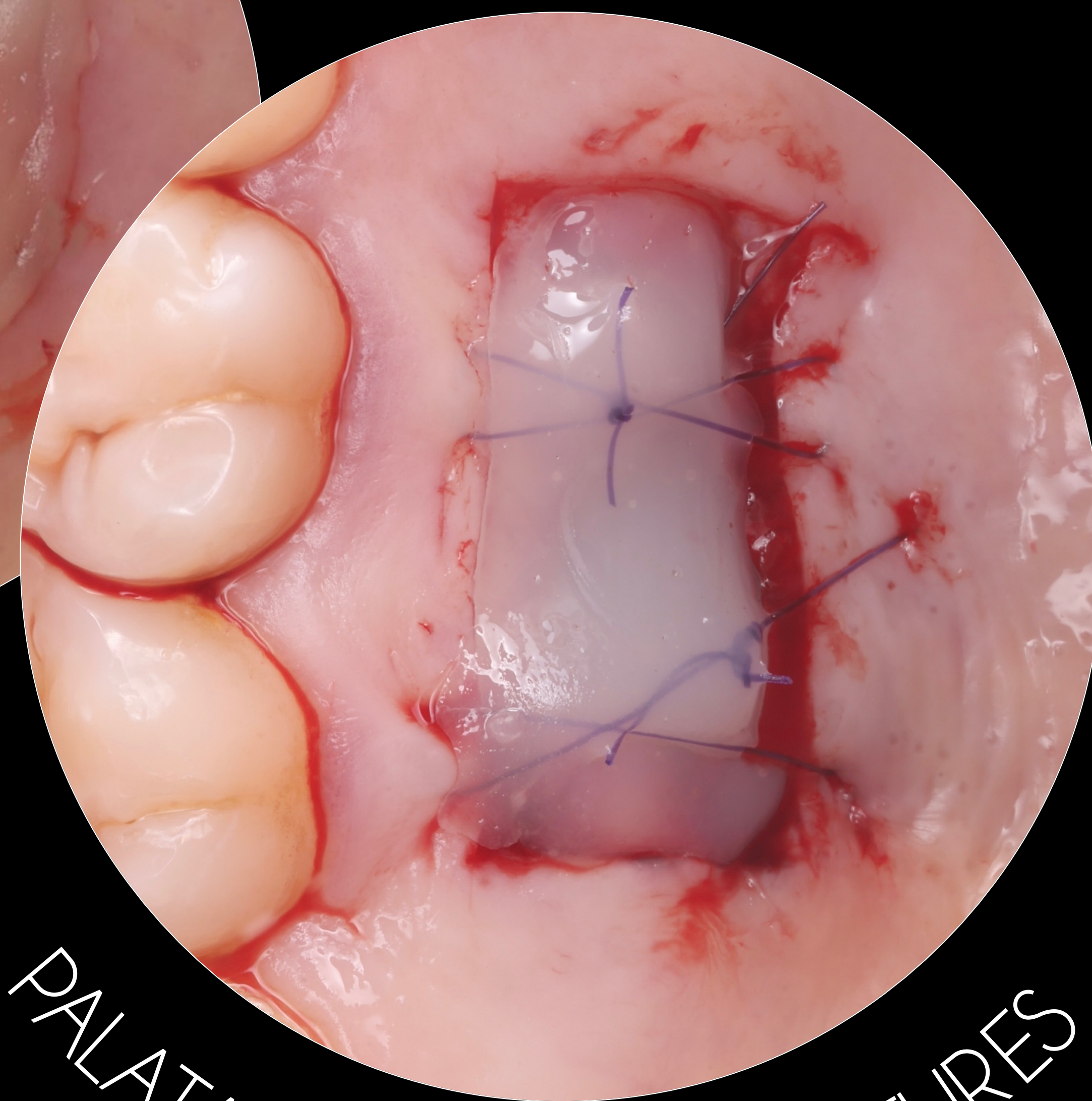
COLLAGEN STRIP + CYANOACRYLATE



PALATAL COMPOSITE



PALATAL COPOSITE+ SUTURES



SOFT
TISSUE
GRAFTING

PATIENTS OFTEN FACE
SIGNIFICANT
POSTOPERATIVE PAIN,
DISCOMFORT, AND
BLEEDING FROM THE
DONOR SITE

HEALING BY
SECONDARY
INTENTION

INCREASED PAIN AND
MORBIDITY

COLLAGEN SPONGES WITH
FLOWABLE RESIN
COMPOSITE CAN ALLOW
COMPLETE TISSUE
EPITHELIZATION

COMPOSITE
RESIN

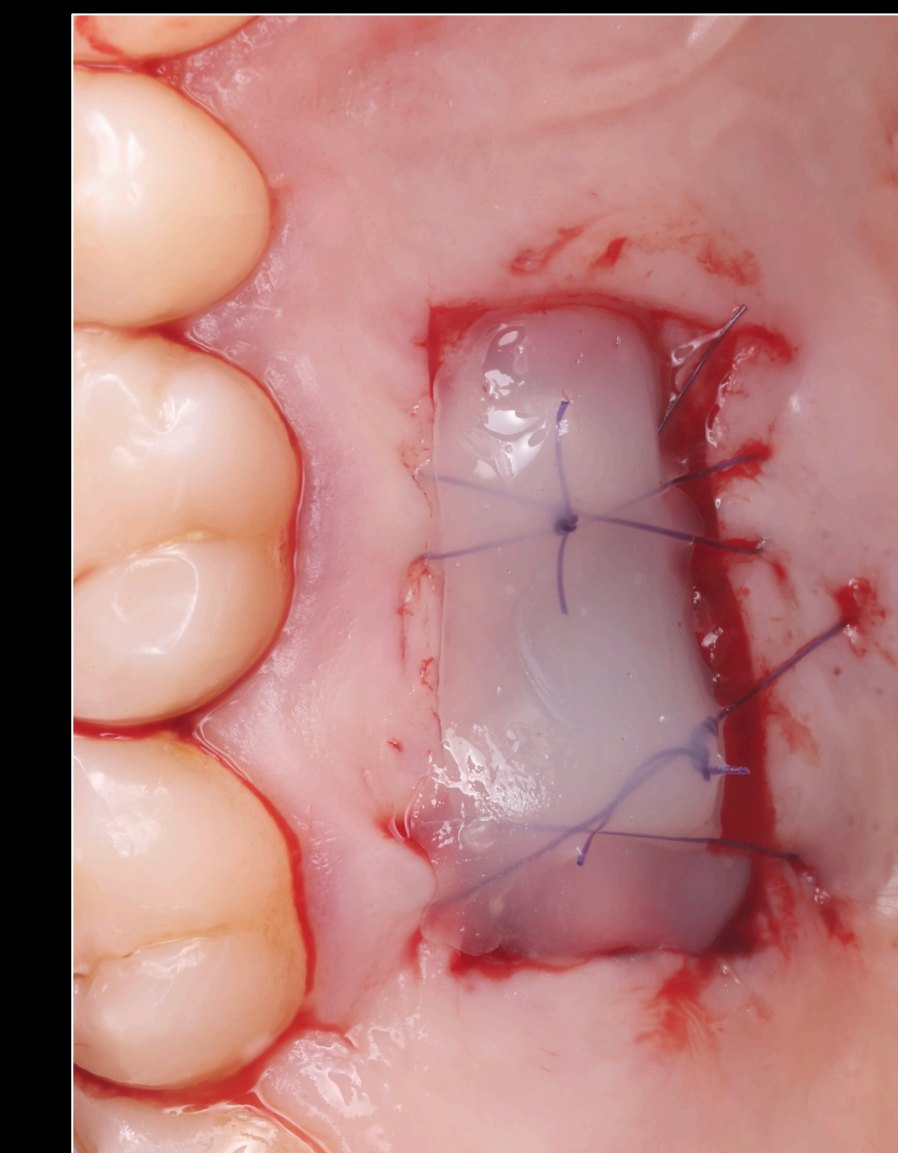
AVAILABLE, EASY TO USE
AND TISSUE FRIENDLY

APPLIED WITHOUT
INFLAMMATION, REDUCE
PROLONGED BLEEDING,
AND DIMINISH PAIN WHEN
IN CONTACT WITH
GINGIVAL TISSUE

HEMOSTATIC PROPERTIES
OF COLLAGEN
SPONGE
+
SEALING AND PROTECTION
OF FLOWABLE
COMPOSITE
RESIN

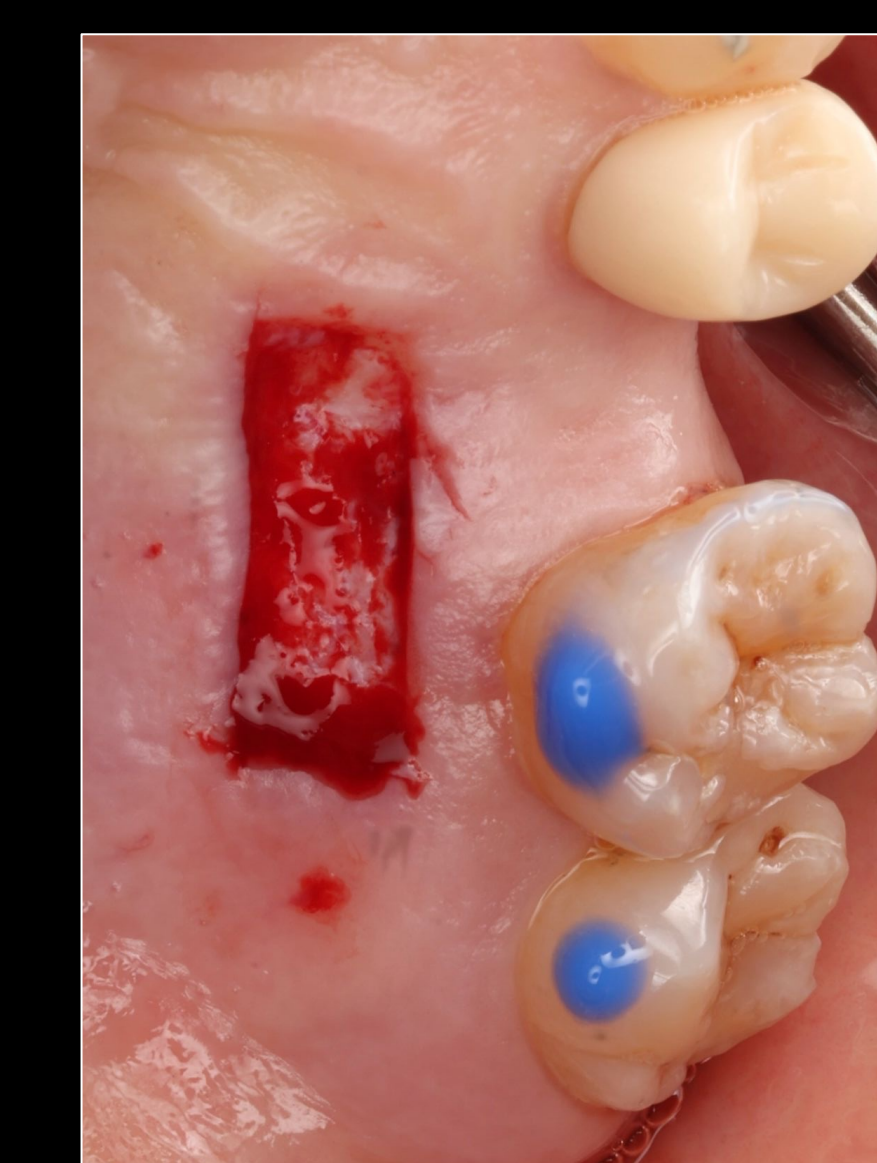
PALATAL
WOUND IS
PROTECTED
BY PLACING A
HEMOSTATIC
COLLAGEN
SPONGE

STABILIZATION TYPE 1 / SUTURES



- Resin composite along the edges of the collagen sponge
- Composite stabilized using criss-cross sutures

STABILIZATION TYPE 2 / ETCHED TEETH



- 35% phosphoric acid gel applied for 30 seconds on the palatal surfaces of the teeth - rinsed for 10 seconds - excess moisture blotted
- Adhesive for 15 seconds, followed by flowable resin composite
- Resin composite placed along the edges of the collagen sponge

INTRODUCTION

MATERIAL
AND
METHODS

RESULTS

CONCLUSION

COLLAGEN SPONGES

- POPULAR IN WOUND HEALING
- BIOCOMPATIBILITY, SAFETY, AND COST-EFFECTIVENESS.
- MECHANICAL PROTECTION
- SUPPORTIVE MATRIX FOR CLOT FORMATION
- HELPING REDUCE POSTOPERATIVE PAIN

FLOWABLE RESIN

- MAY ENHANCE THE SPONGE'S SEALING PROPERTIES
- REDUCING PALATAL PAIN MORE EFFECTIVELY THAN THE SPONGE ALONE

APPLYING A FLOWABLE RESIN COMPOSITE COATING OVER A HEMOSTATIC COLLAGEN SPONGE PLACED AFTER PALATAL HARVESTING APPEARS TO OFFER ADDITIONAL BENEFITS, INCLUDING PAIN RELIEF, AT A LOW COST COMPARED TO USING ONLY A SUTURE-STABILIZED COLLAGEN SPONGE

REFERENCES

Basma HS, Saleh MH, Abou-Araj RV, Imbrogno M, Ravida A, Wang HL, Li P, Geurs N. Patient-reported outcomes of palatal donor site healing using four different wound dressing modalities following free epithelialized mucosal grafts: A four-arm randomized controlled clinical trial. Journal of Periodontology. 2023 Jan;94(1):88-97.

Meza-Mauricio J, Mourão ER, Oliveira Marinho K, Vergara-Buenaventura A, Mendoza-Azpur G, Muniz FW, Santamaria MP, Faveri M. Effect of collagen sponge and flowable resin composite on pain management after free gingival graft harvesting: A randomized controlled clinical trial. European journal of oral sciences. 2023 Jun;131(3):e12935.

FOLLOW UP / 2 WEEKS

STABILIZATION TYPE 1 /
SUTURES



STABILIZATION TYPE 2 /
ETCHED TEETH



INTACT FOR TWO WEEKS POST-SURGERY