Preprosthetic Surgery

Objectives of Preprosthetic Surgery

The objective of preprosthetic surgery is to create proper supporting structures for subsequent placement of prosthe(c appliances.

Treatment planning and Examination

For proper treatment planning, the medical and dental history should be given from the patient and a good clinical examintion which include careful assessment of both soM and hard (ssues, facial esthetic examination, study models and radiological examination.

- A. Extraoral Examination
- B. Intraoral Examination.
- C. Radiological evaluation.
- D. Diagnostic models.

Recontouring of Alveolar Ridges

- ***Compression* … simple tooth removal**.
- ***conserva,ve alveoloplasty* …. multiple extractions**

❖ Depending on the degree of irregularity of the alveolar ridge area,recontouring can be accomplished with a rongeur, a bone file, or a bone burr in a handpiece, alone or in combination along with copious saline irrigation to avoid overheating and bone necrosis.

❖ continuous suturing.

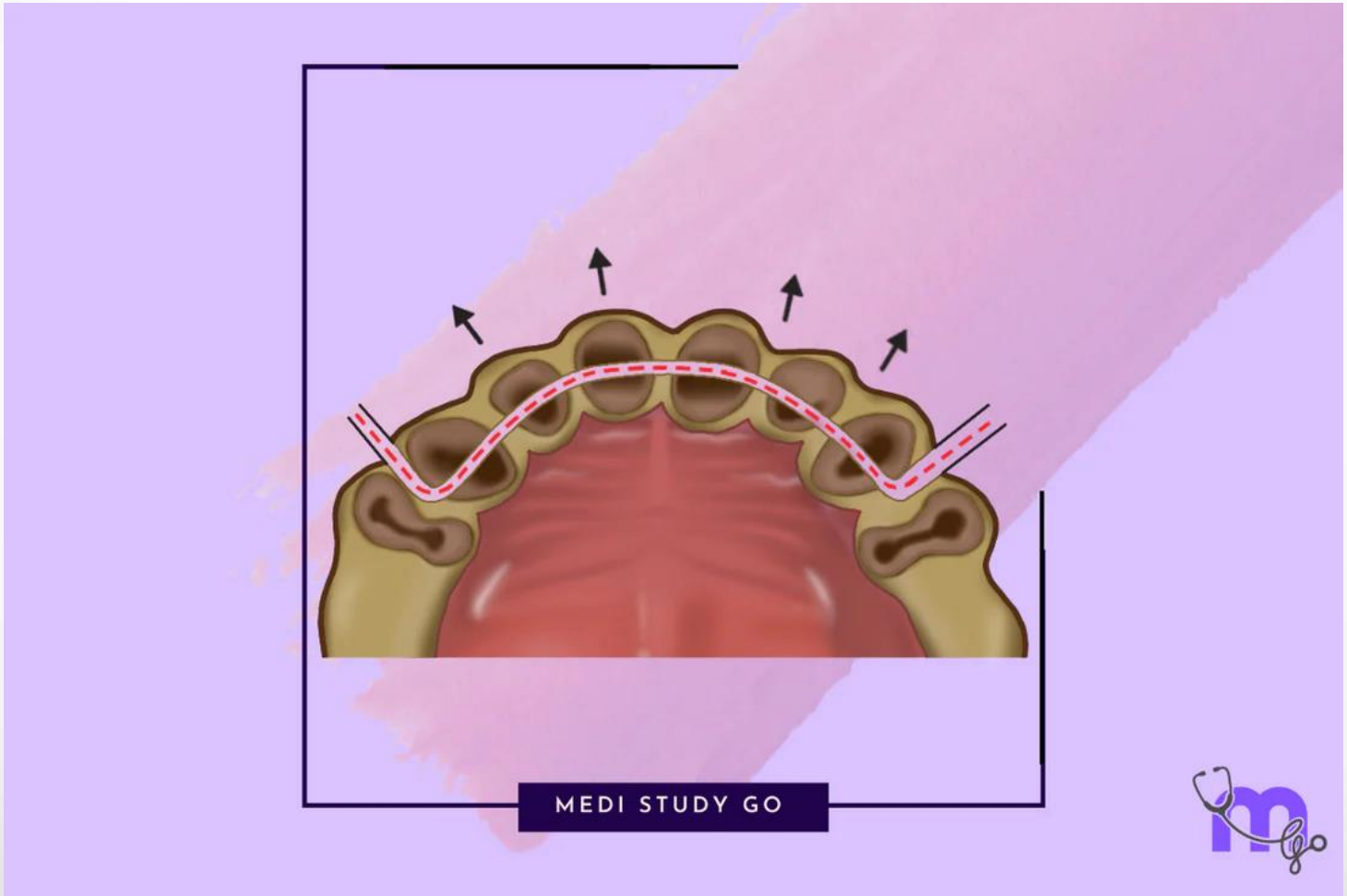

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- sharp knife-edge ridge exists in the mandible

Intraseptal Alveoloplasty

Dean technique



- Best used in an area where the ridge is of relatively regular contour and adequate height but presents an undercut .

- The technique can be accomplished at the time of tooth removal or in the early initial postoperative healing period.

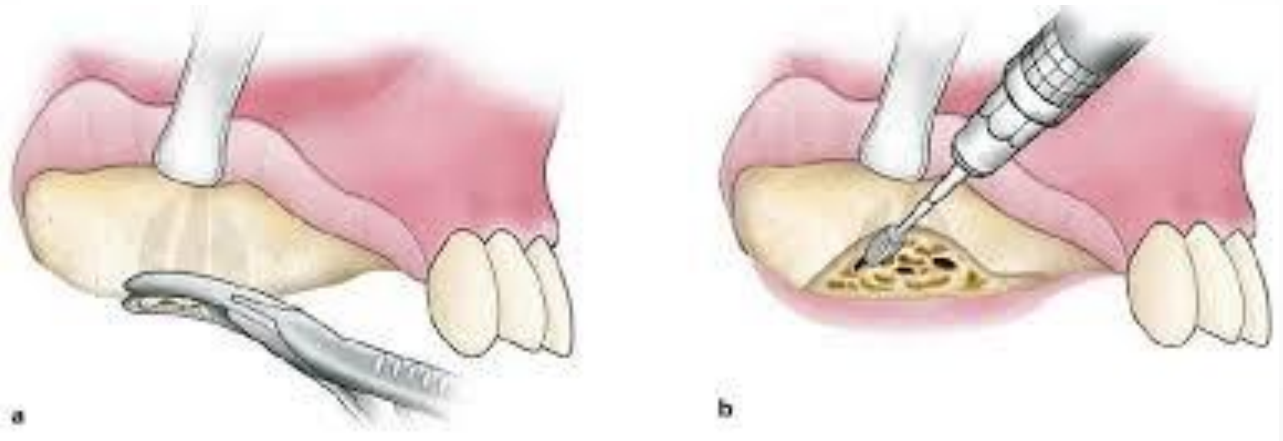
Advantages:

- height of the ridge
- The periosteal atachment
- muscle atachments

Disadvantage: decrease in ridge thickness.

Maxillary Tuberosity Reduction (Hard Tissue)

- Recontouring of the maxillary tuberosity area may be necessary to remove bony ridge irregularities or to create adequate interarch space.



Buccal Exostosis and Excessive Undercuts

more common in the maxilla than in the mandible.



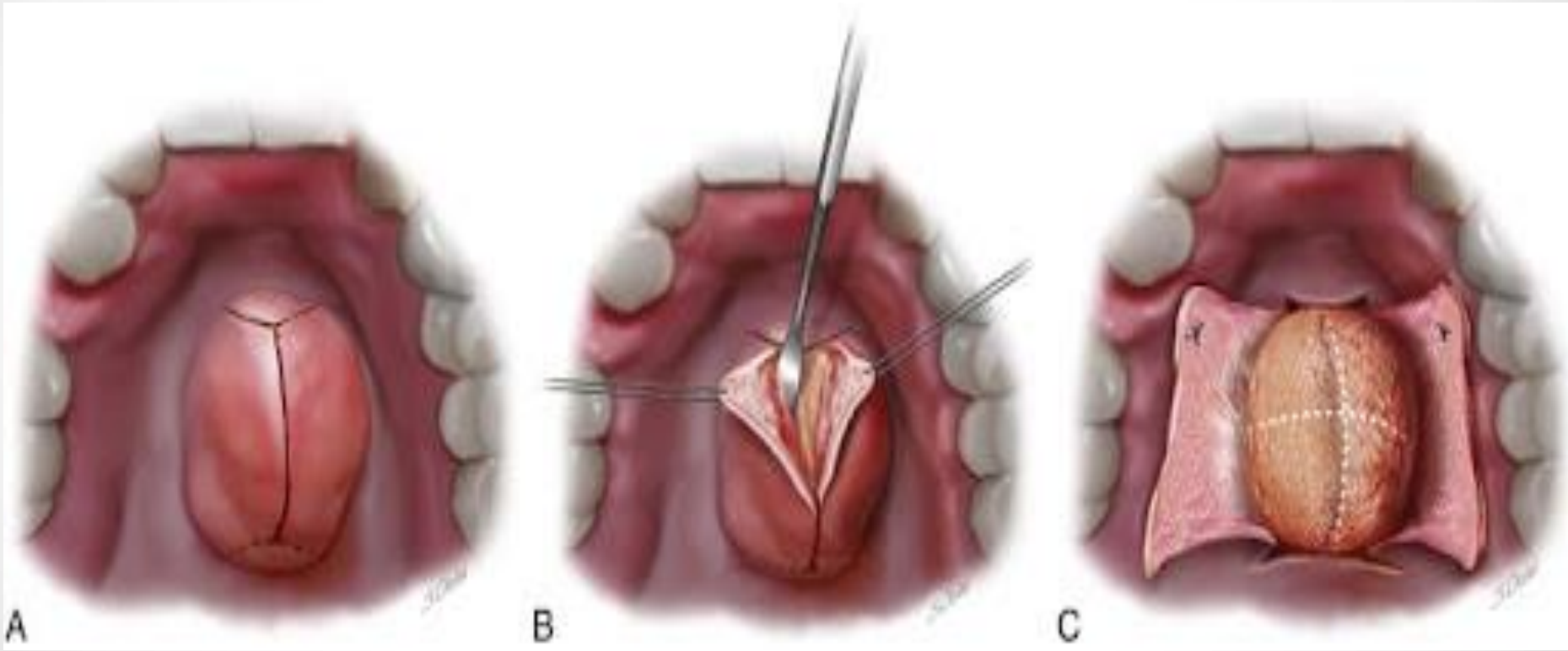

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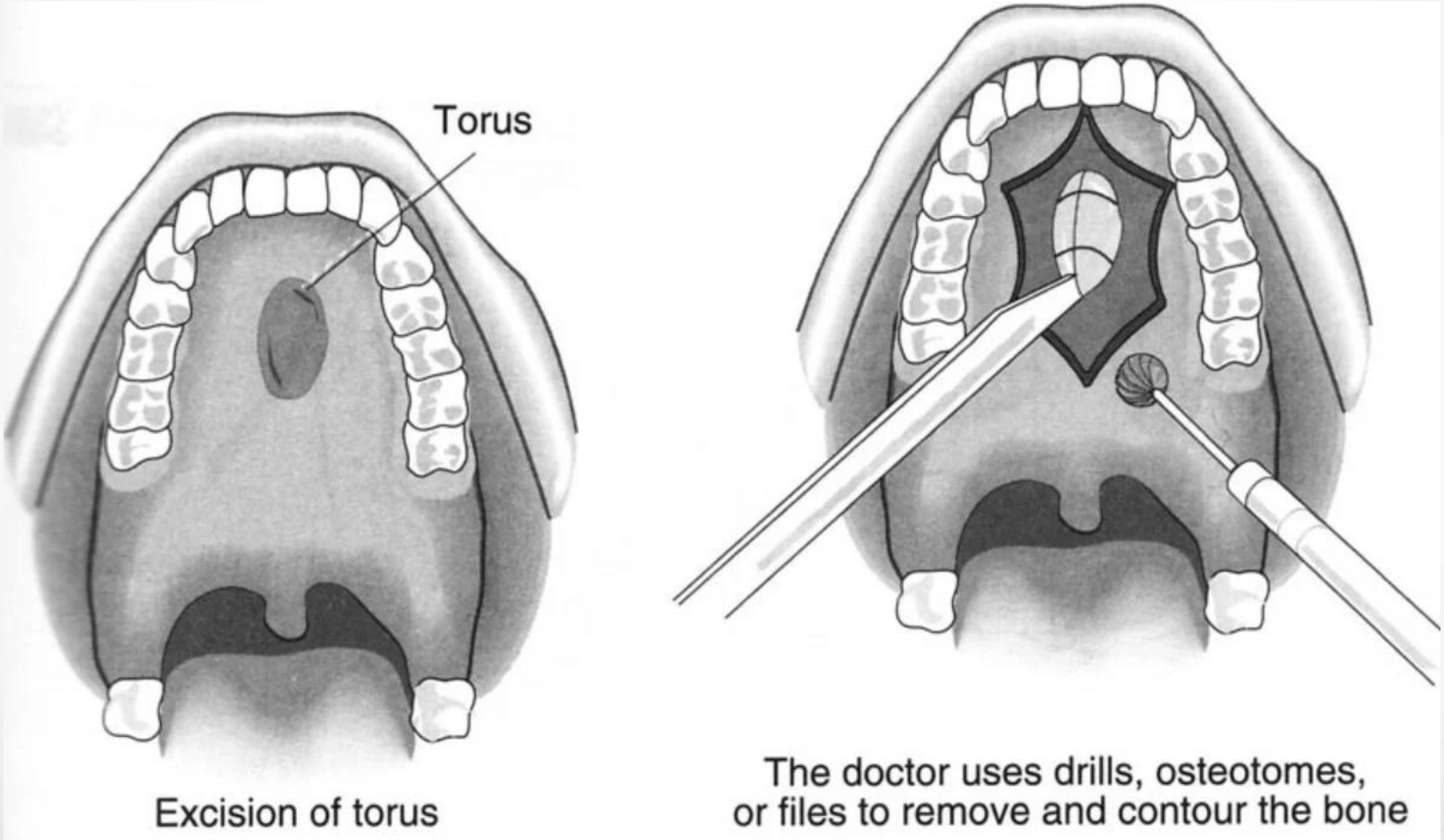
Tori Removal

- Maxillary Tori





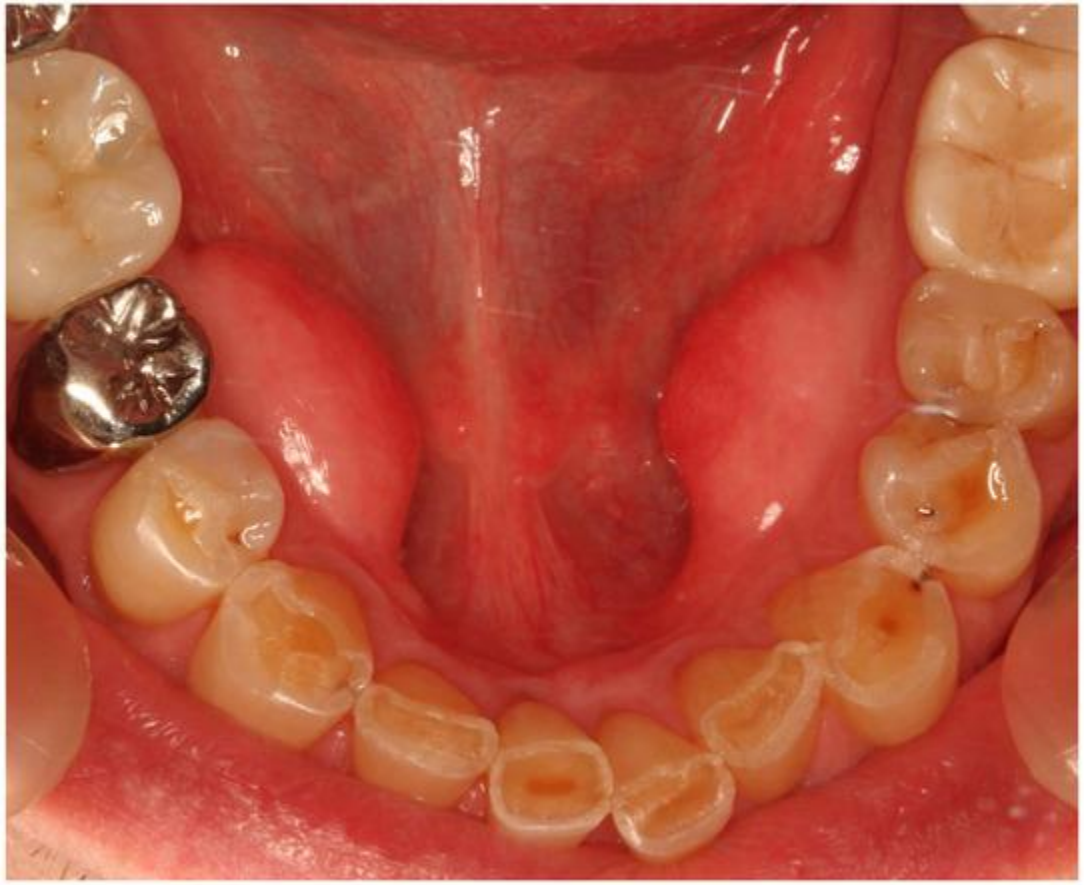

A
B
C



Excision of torus

The doctor uses drills, osteotomes, or files to remove and contour the bone

Mandibular Tori



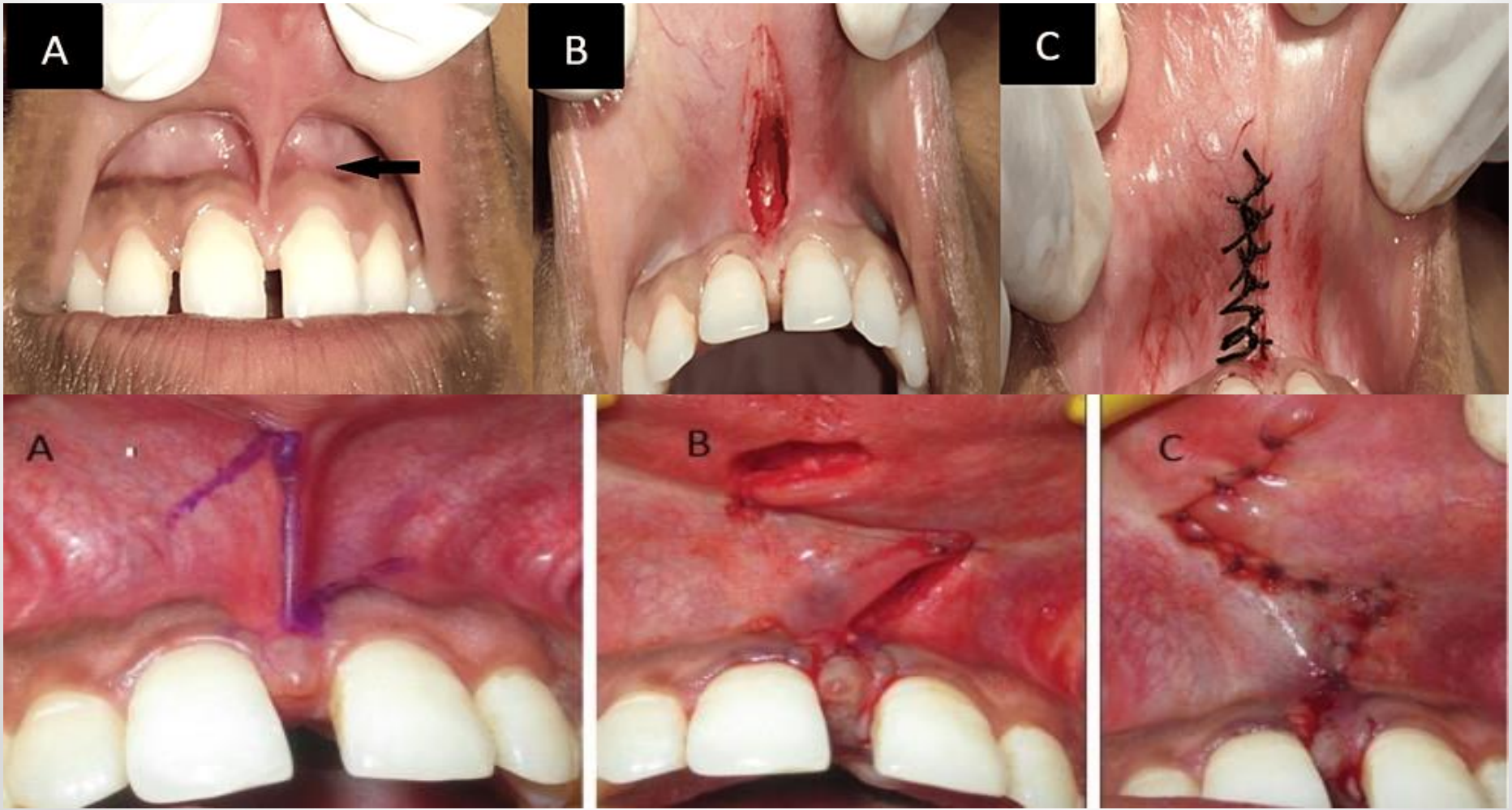
Soft Tissue Abnormalties

Inflammatory Fibrous Hyperplasia





- Labial Frenectomy



- Lingual Frenectomy



