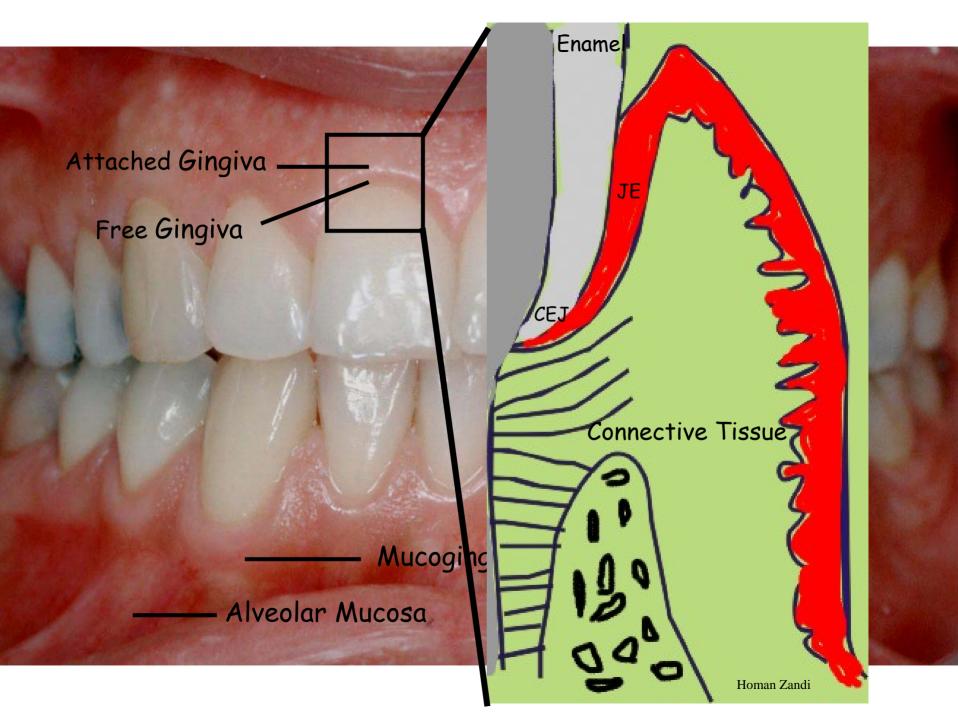
Flap Design





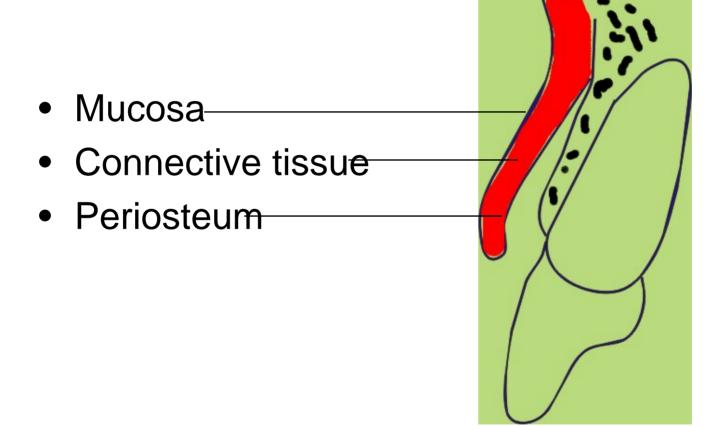
Objective

 The flap should offer adequate access and have an adequate blood supply

 The flap must be of adequate size and fully reflected

The edges must lie on the sound bone

Mucoperiosteal Flap



Considerations

- The number of teeth involved in the surgery
- The length and shape of the roots involved
- The dimensions of the lesion
- The amount of attached gingiva
- The existence and depth of periodontal pockets
- The locations of muscle attachments and frenums
- The height or depth of the vestibule
- The location of anatomic structures, such as the neurovascular bundles and the maxillary sinus

Techniques

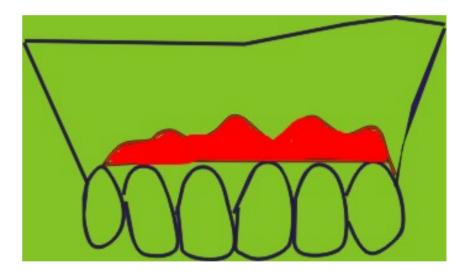
- Gingival flap
- Intrasulcular flap (marginal)
 - Triangular
 - Rectangular
- Semilunar flap
- Submarginal flap
 - Ochsentein-Luebke flap



Gingival Flap

Indications

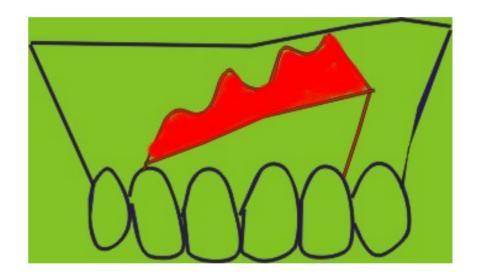
- Cervical resorptive defects
- Cervical area perforations
- Periodontal procedures



Intrasulcular Flap (Triangular)

Indications

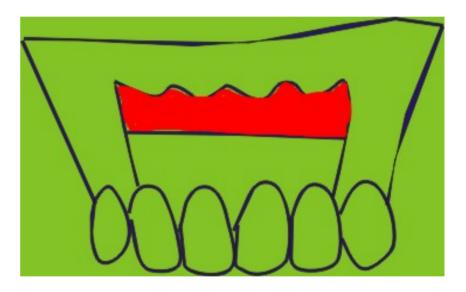
Periapical SugeryPostrerior areas



Intrasulcular Flap (Rectangular)

Indications

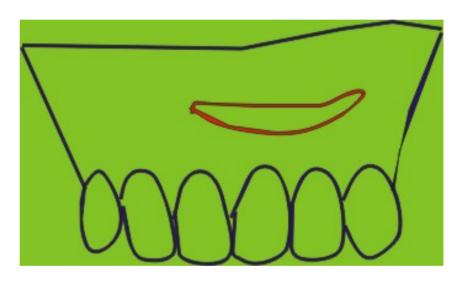
- Multiple teeth
- Large lesions
- Long roots



Semilunar Flap

Indications

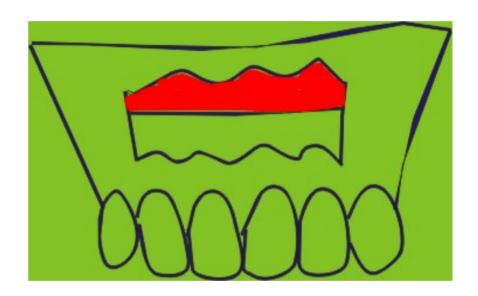
Esthetic crowns



Submarginal Flap Ochsenbein-Luebke Flap

Indications

Prosthetic crowns



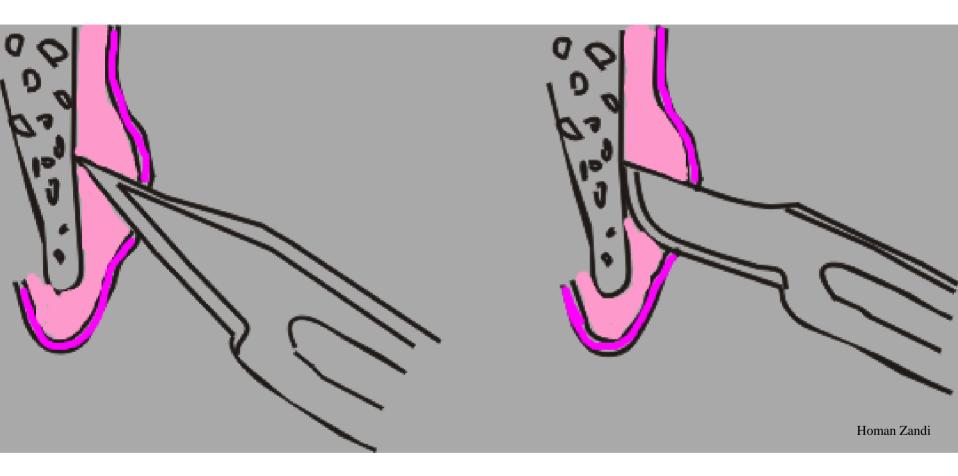
Incision

Tissue should be handled gently

Sharp dissection should be used

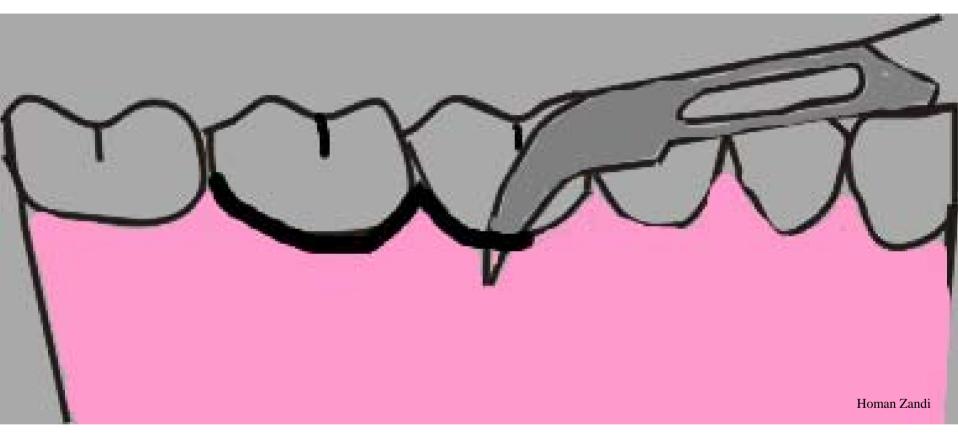
Careful hemostasis should be attained

Tension should be avoided



#11 Scalpel

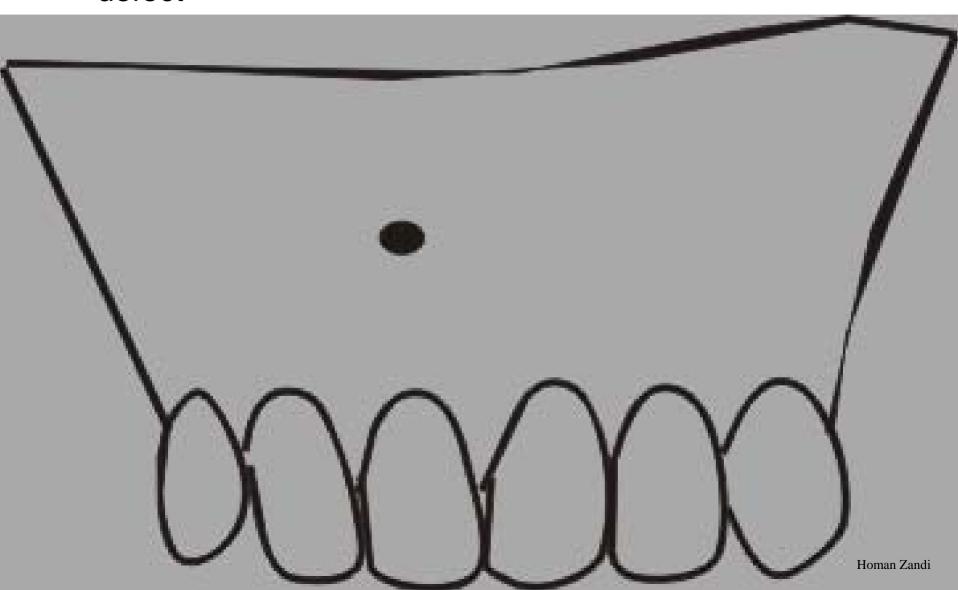
#15C Scalpel

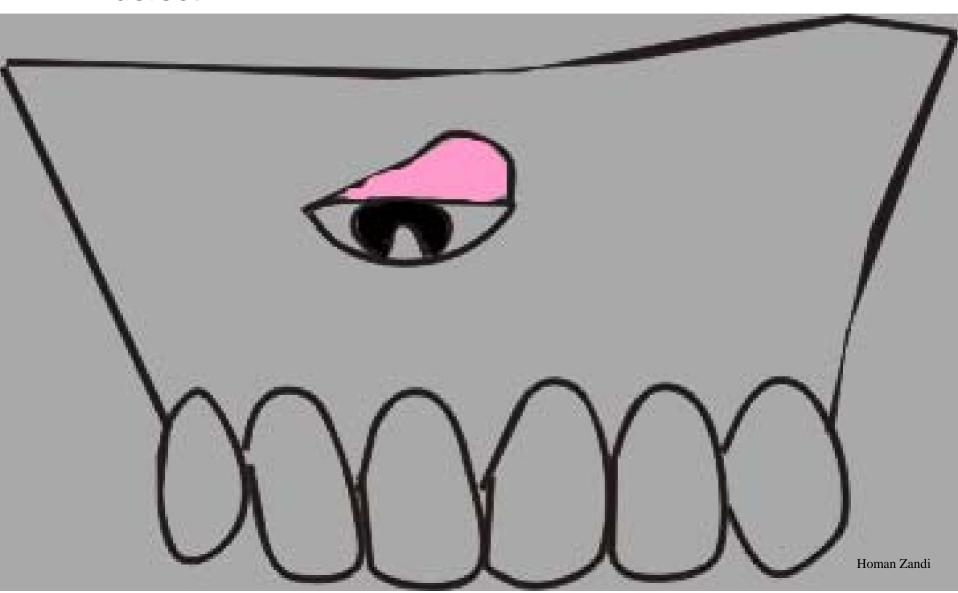


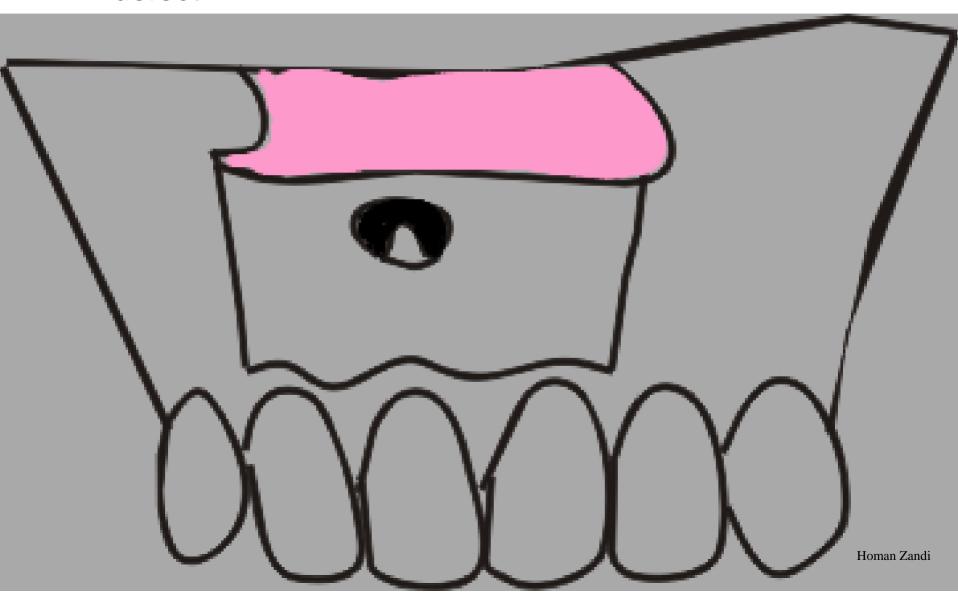
12 Scalpel

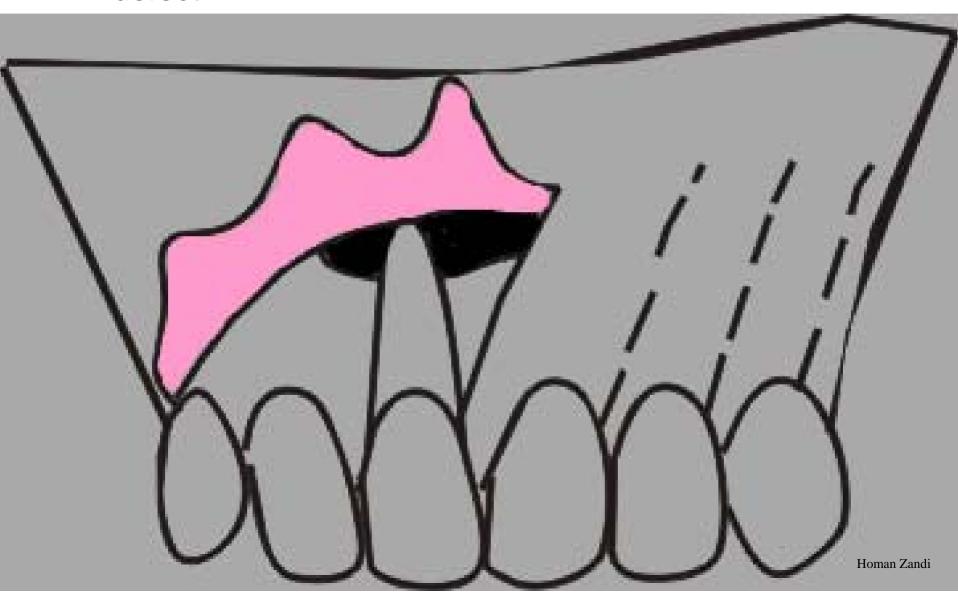
Most endodontic surgery problems can be avoided by using the following incision rules

1. Firm continuous incision

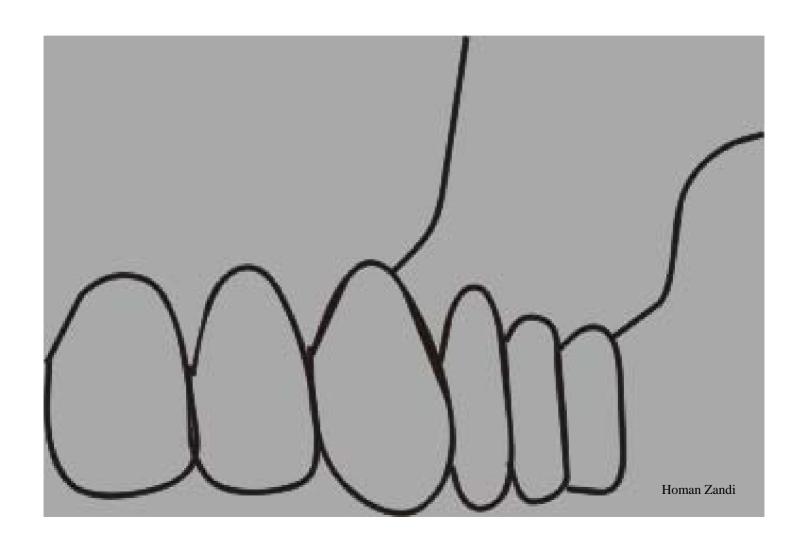


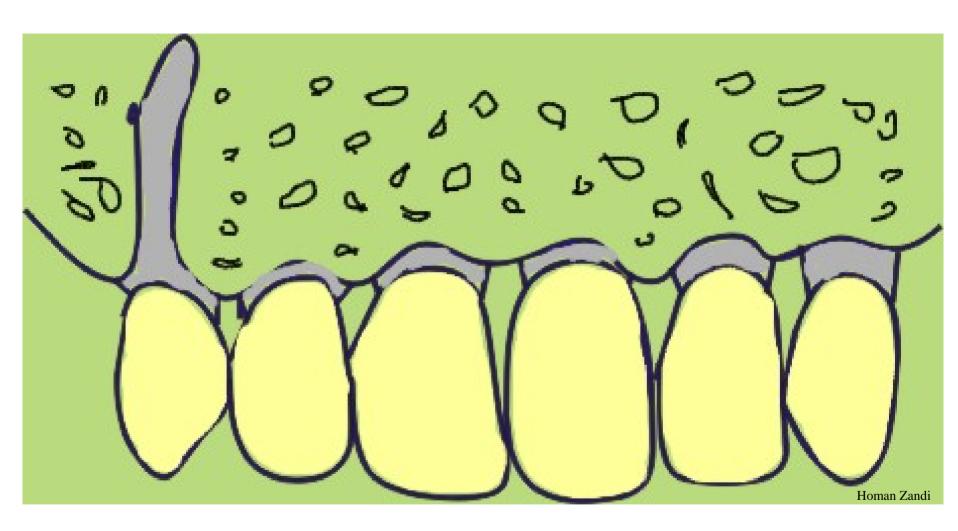




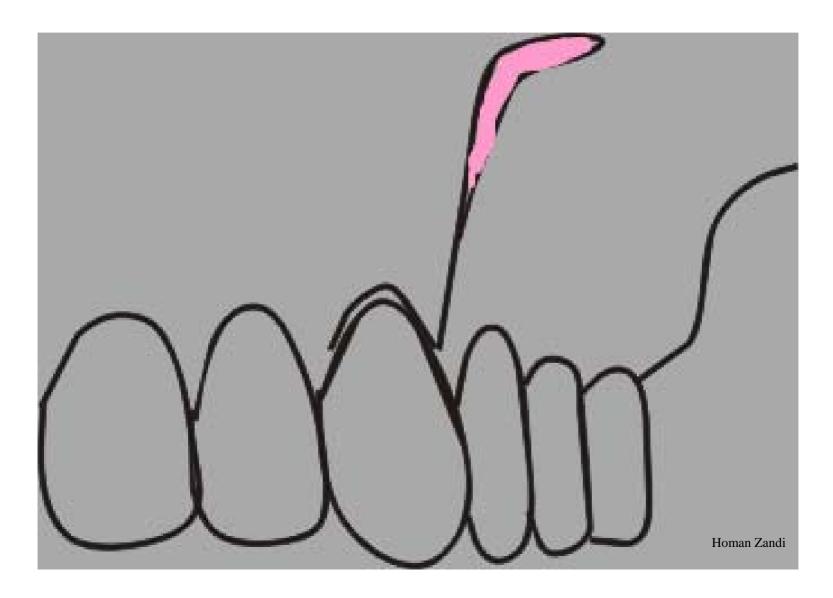


3) The vertical incision should be in the concavities between bone eminences

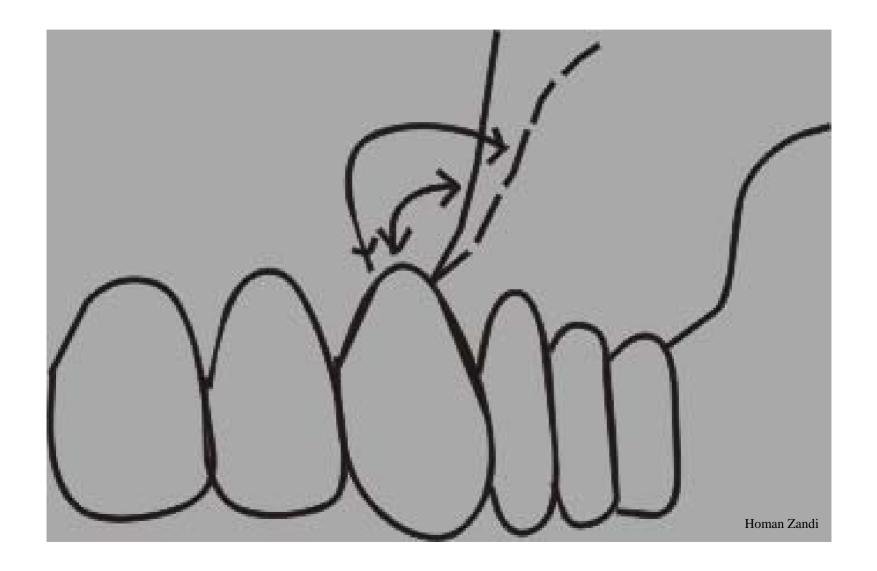




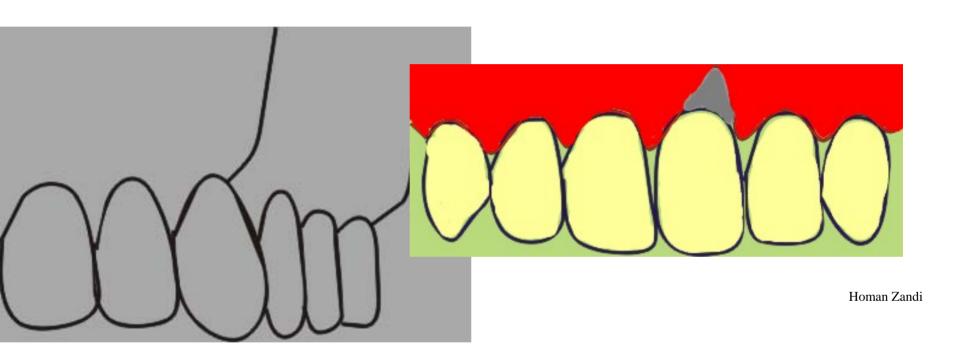
4) The vertical incision should not extend into the muccobuccal fold



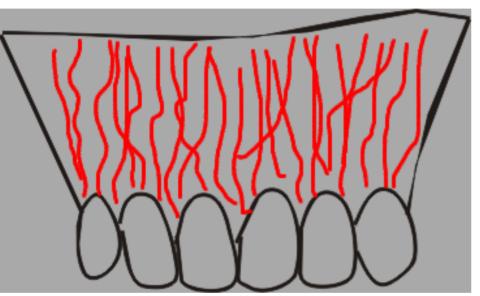
4) The vertical incision should not extend into the muccobuccal fold

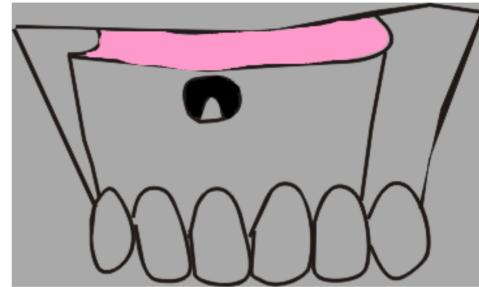


5) The termination of the vertical incision at the gingival crest must be at the mesial or distal line angle of the tooth

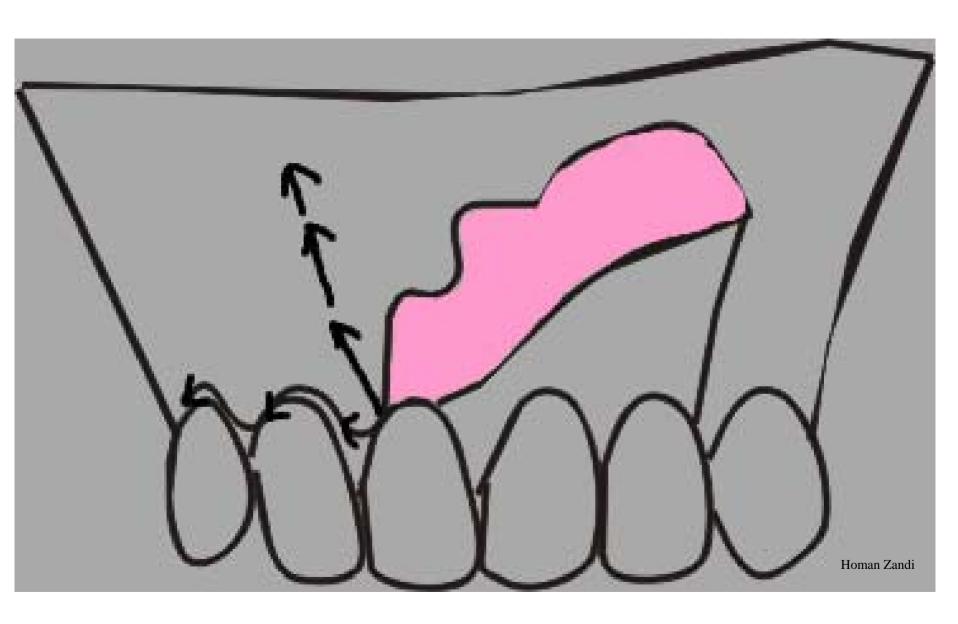


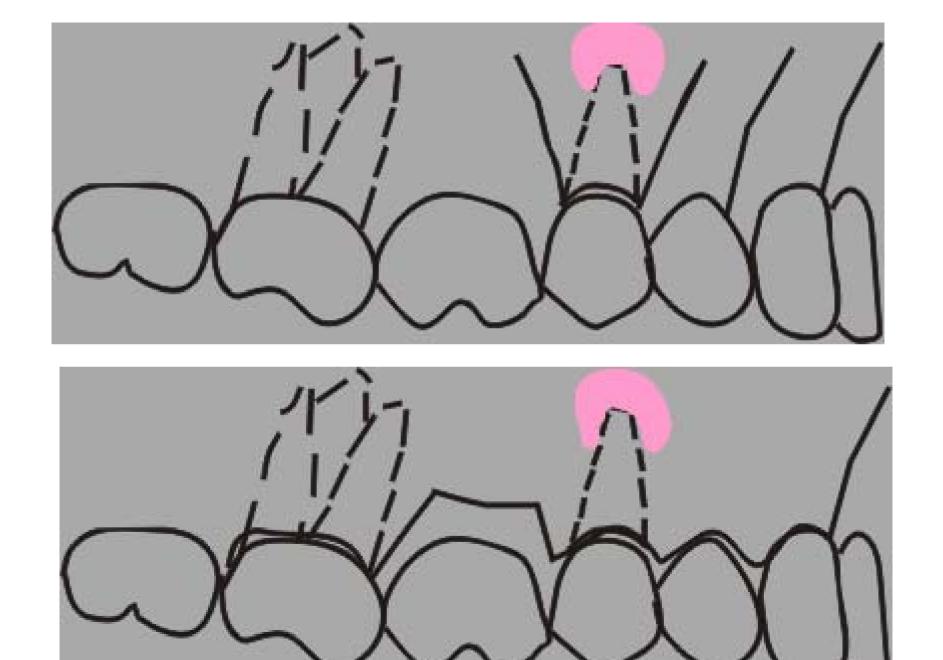
6) The base of the flap must be at least equal to the width of its free end

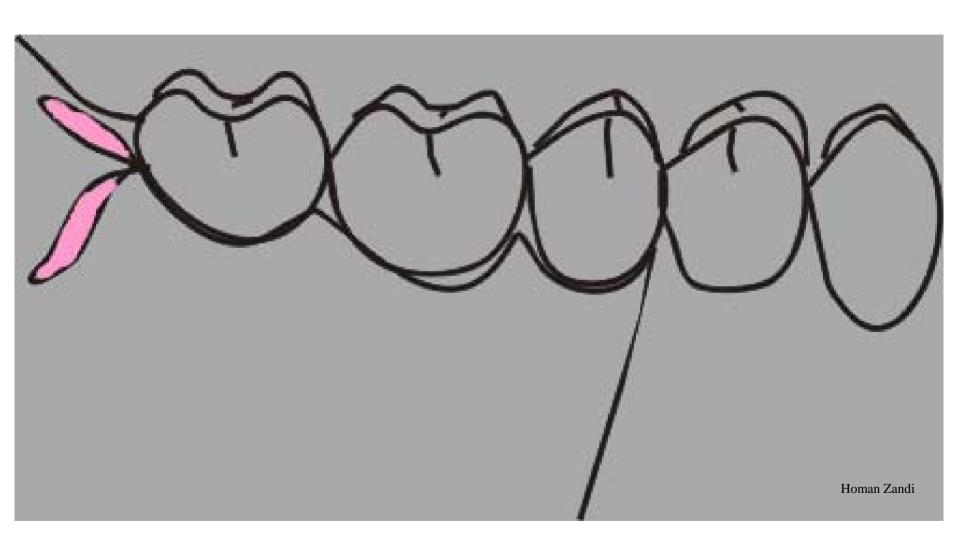


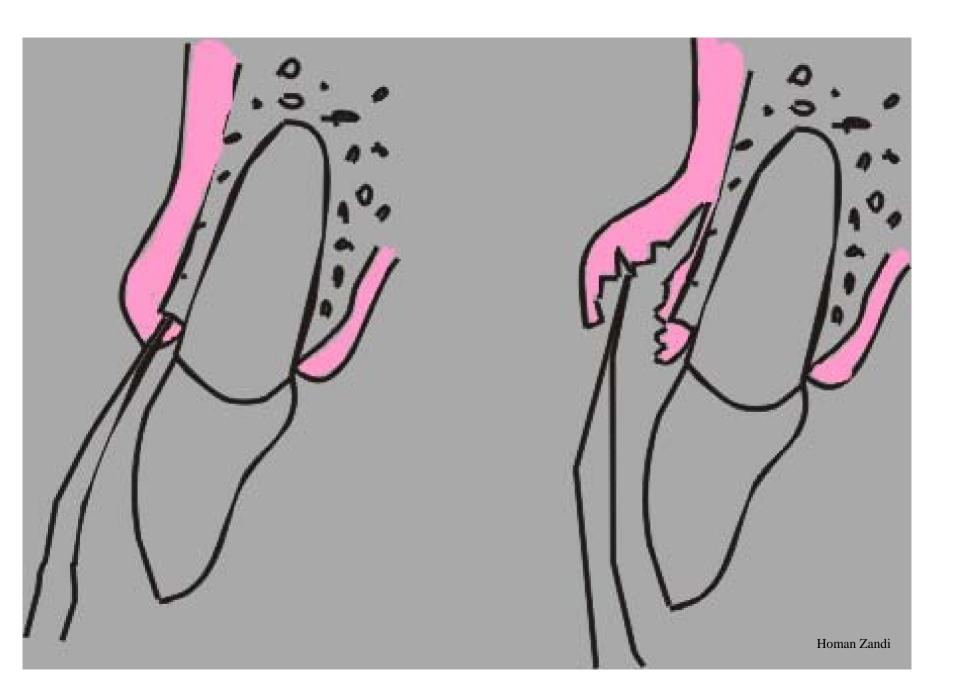


Homan Zandi









Most endodontic surgery problems can be avoided by using the following incision rules

- 1) Firm continuous incision
- An incision should not cross an underlying bony defect
- 3) The vertical incision should be in the concavities between bone eminences
- 4) The vertical incision should not extend into the muccobuccal fold
- 5) The termination of the vertical incision at the gingival crest must be at the mesial or distal line angle of the tooth
- 6) The base of the flap must be at least equal to the width of its free end