Surgical treatment of non-erupted third molars

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The points of local analgesia, at the removal of third molars

- Vasoconstrictor containing anaesthetic solution
- Anaesthetic solution with long duration
- Nerve block, and infiltration as well

Possible difficulties with local analgesia of third molars

- Inflammation
- Limited mouth opening /trismus/
- Prolonged surgical interventions





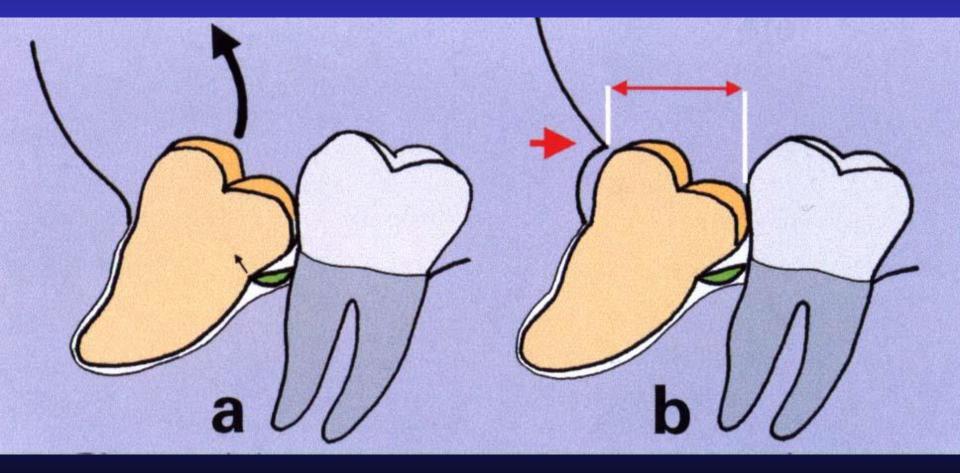








Possible removal of mandibular third molar with elevator



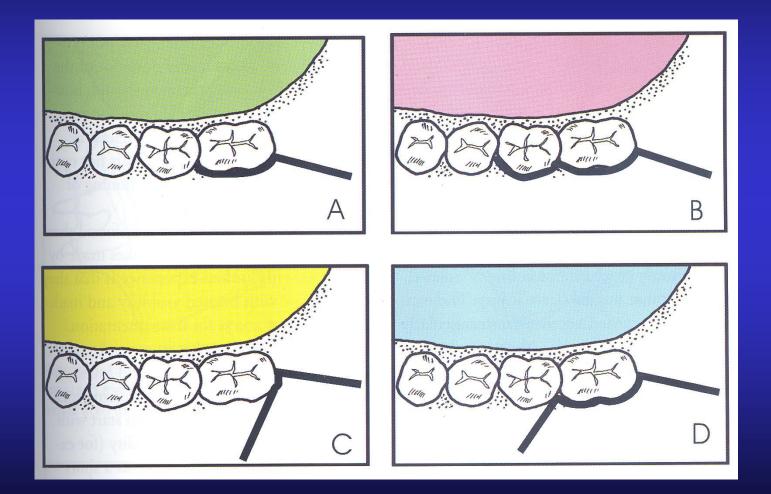




The usual surgical steps for removal of mandibular third molars

• Flap design

Mucoperiosteal flap for surgical access of mandibular third molar

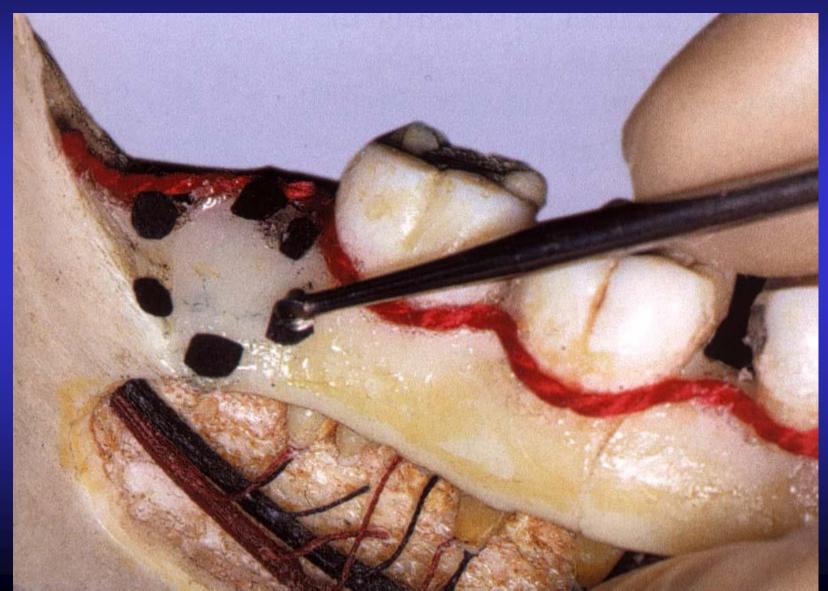


The usual surgical steps for removal of mandibular third molars

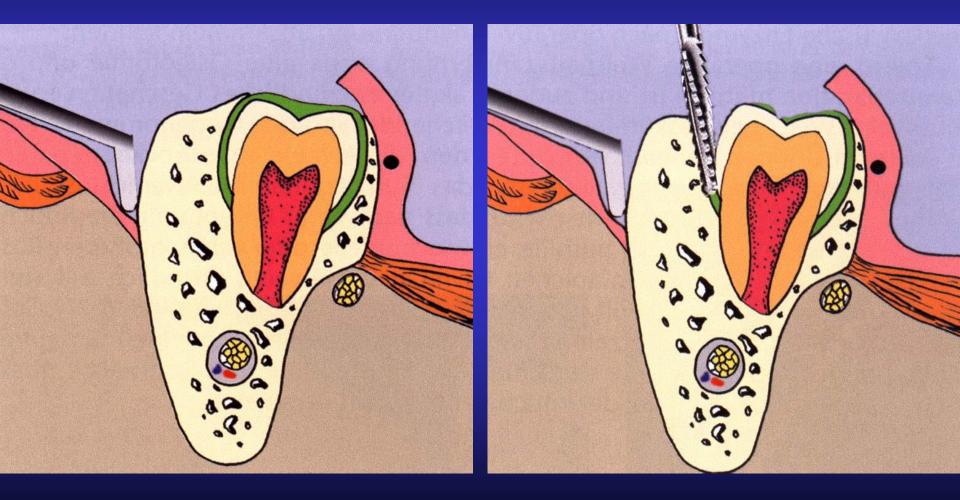
• Flap design

• Liberation of the crown from the bone

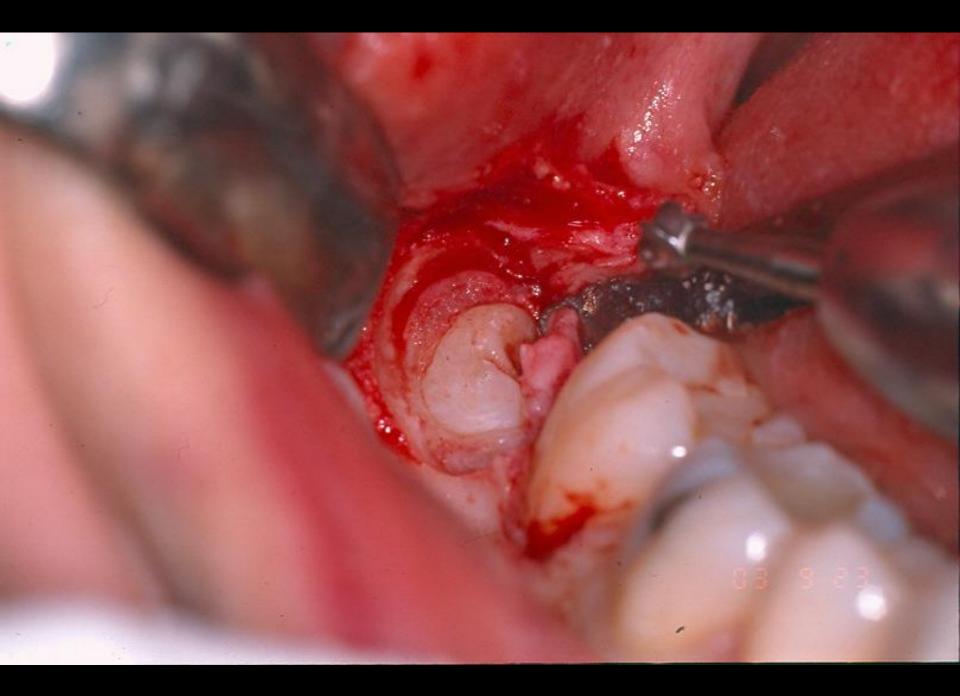
Bone removal by round bur over the third molar



Bone removal around the crown of third molar by fissure bur



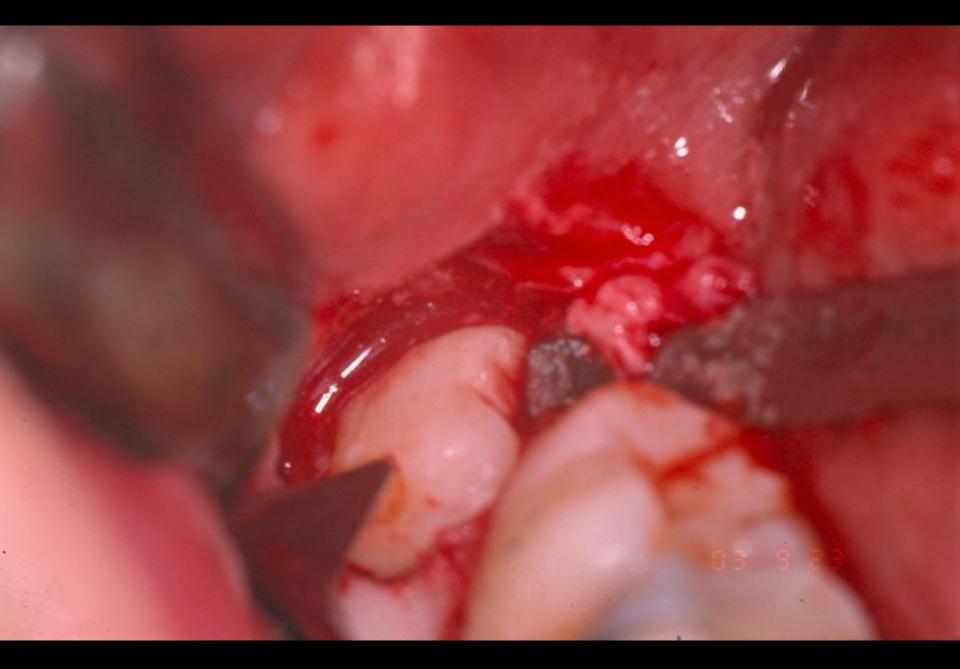


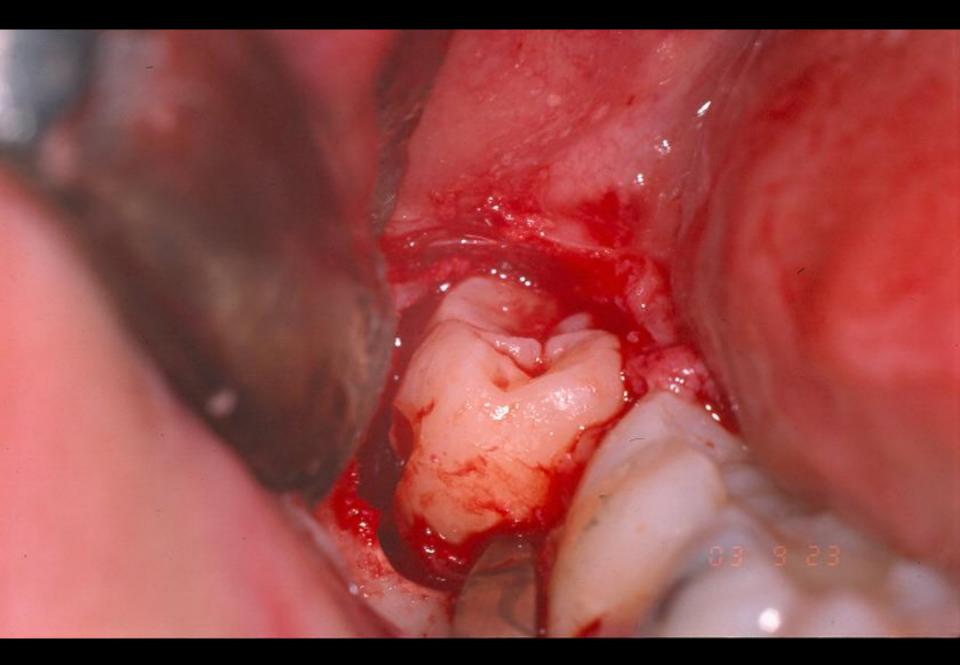


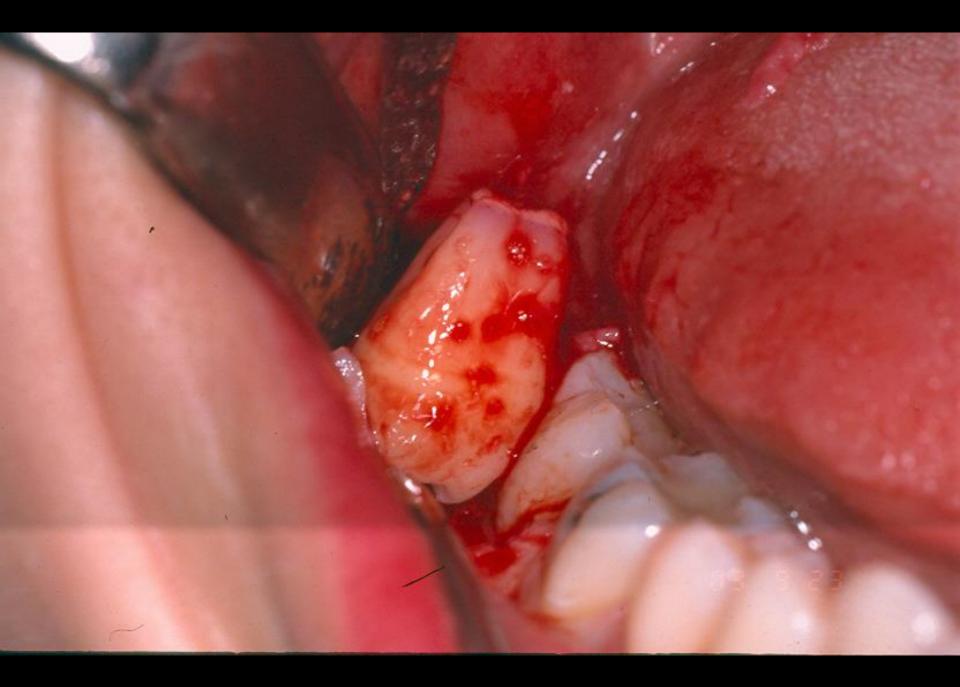
The usual surgical steps for removal of mandibular third molars

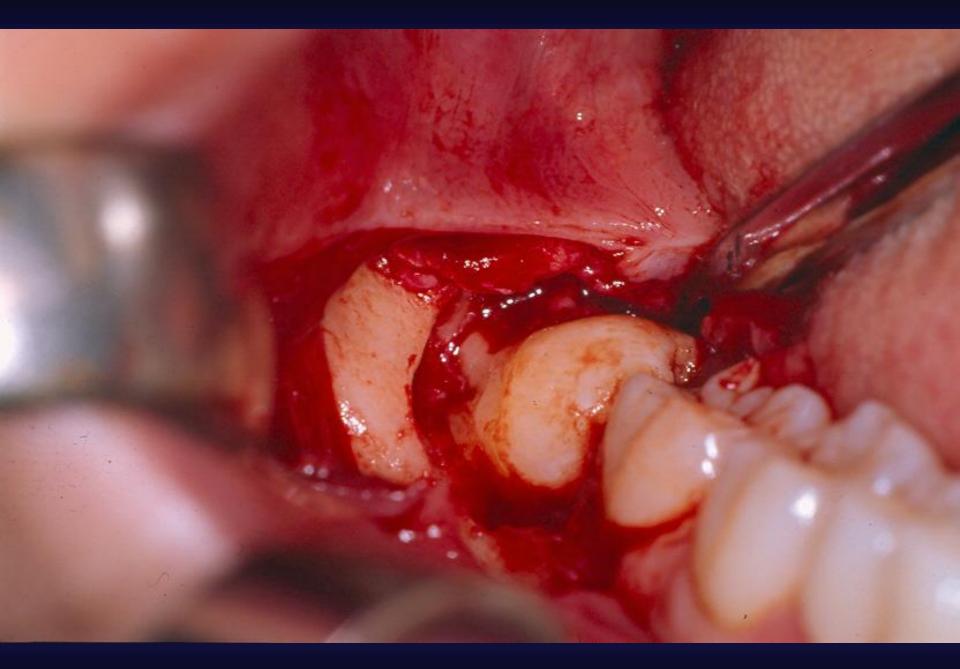
- Flap design
- Liberation of the crown from the bone

Tooth removal: with forceps with elevator with dissection











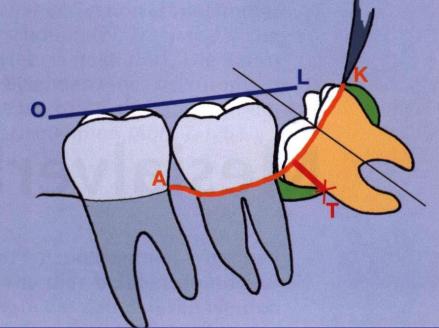




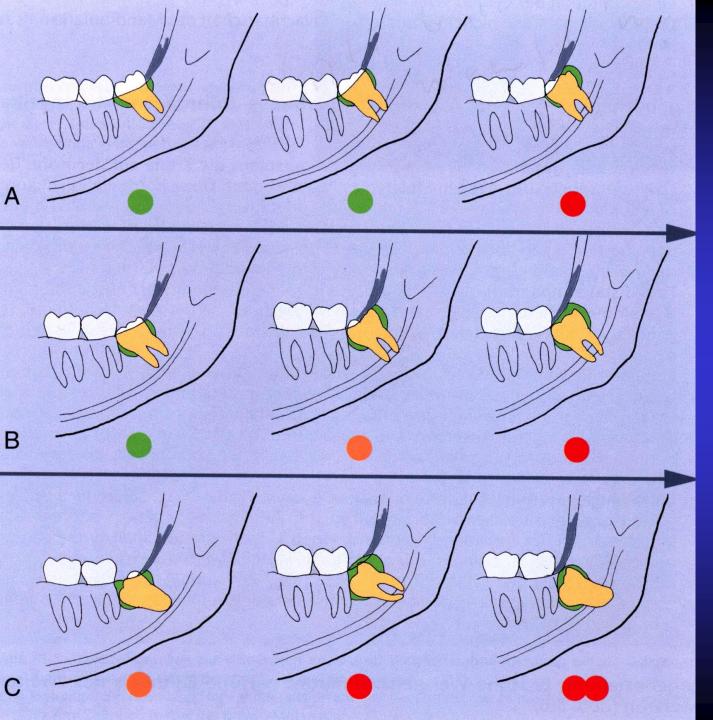
The surgical know-how of removal of third molars in different types of impaction

Schematic illustration of the evaluation of the OP pictures





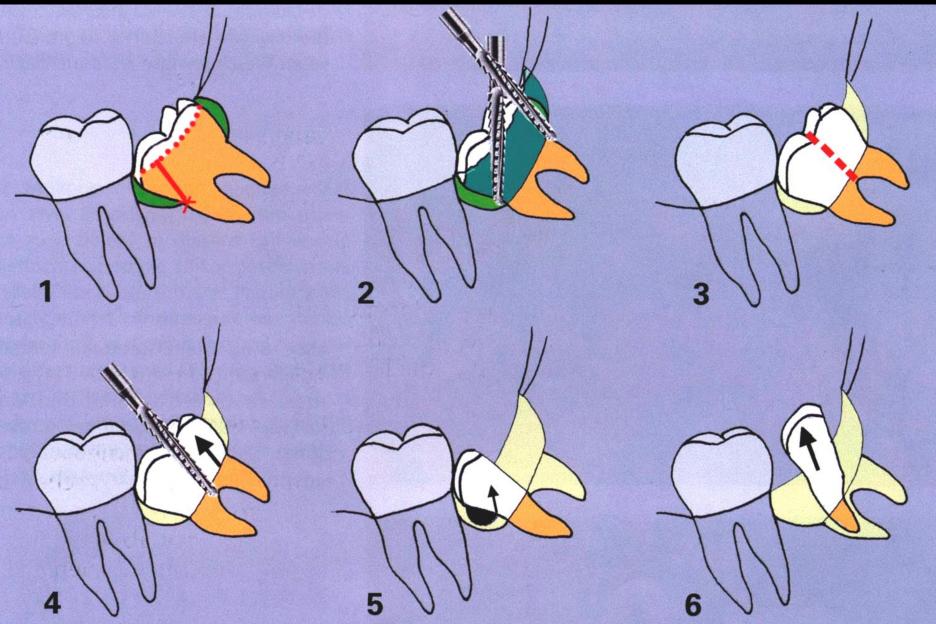
O L = occlusion line A K = depth of retention T = cemento-enamel junction

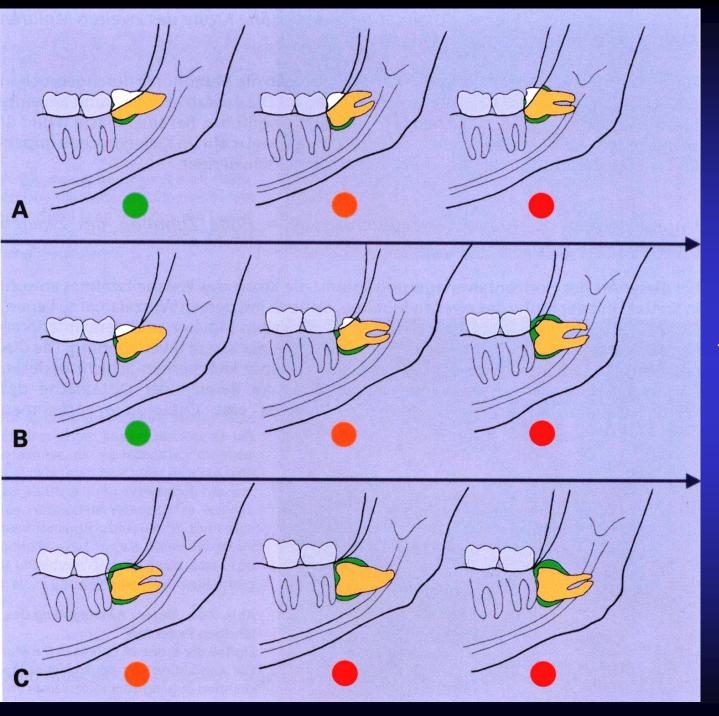


The grades of difficulty of removal of third molar in <u>mesio-angular</u> impaction

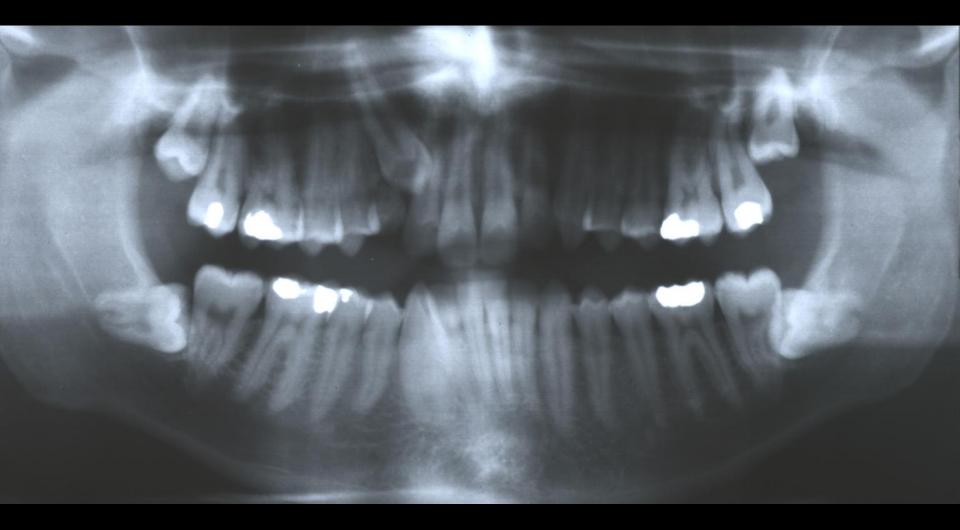


The technique of removal of third molar in <u>mesio-angular</u> impaction



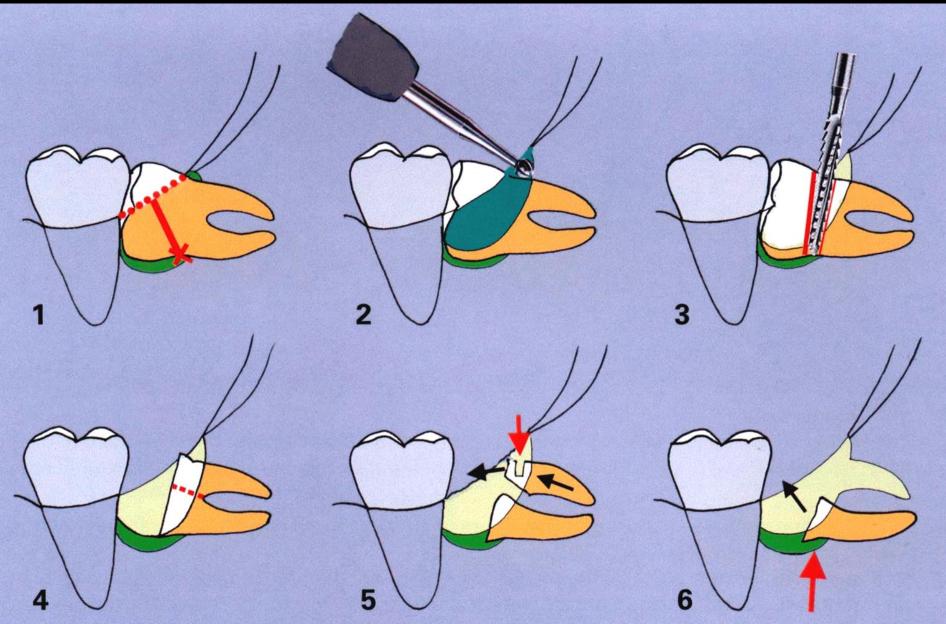


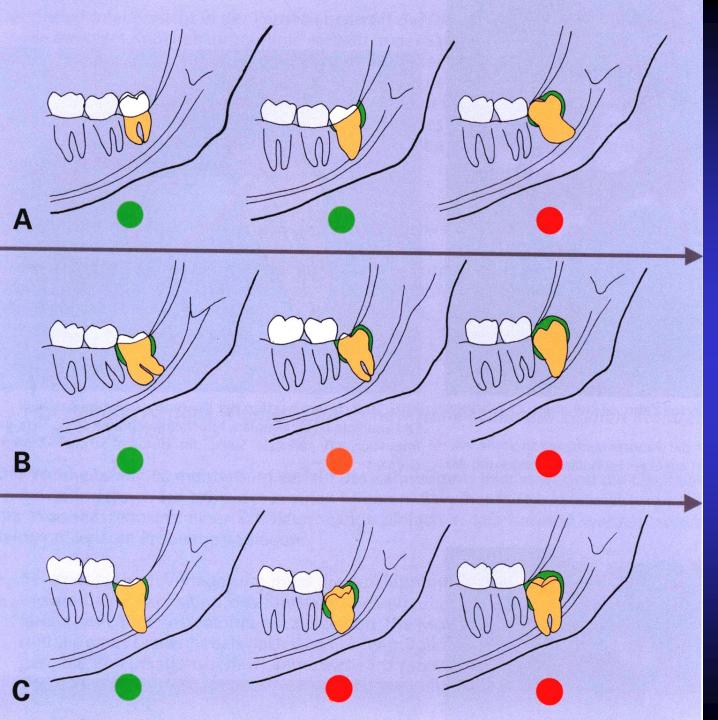
The grades of difficulty of removal of third molar in <u>horizontal</u> impaction





The technique of removal of third molar in <u>horizontal</u> impaction

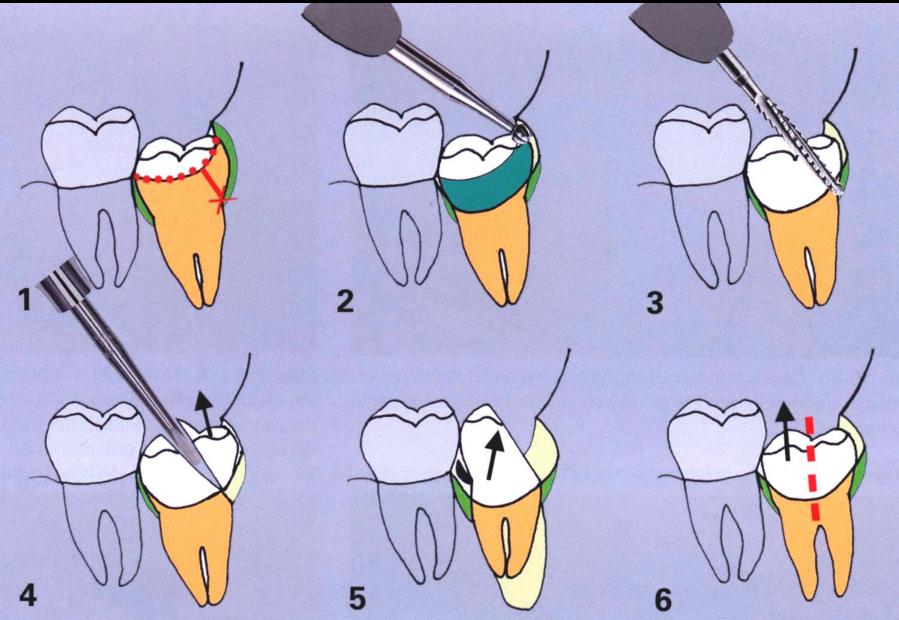


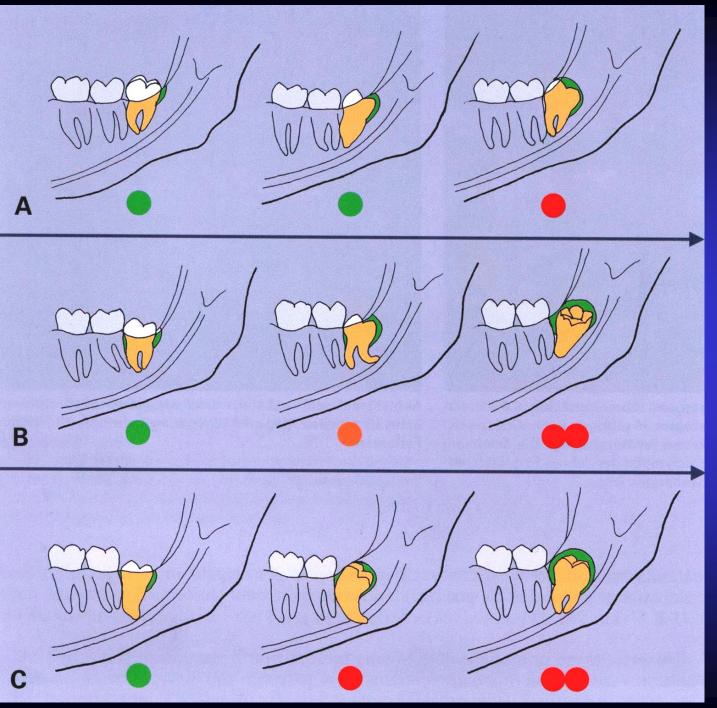


The grades of difficulty of removal of third molar in <u>vertical</u> impaction

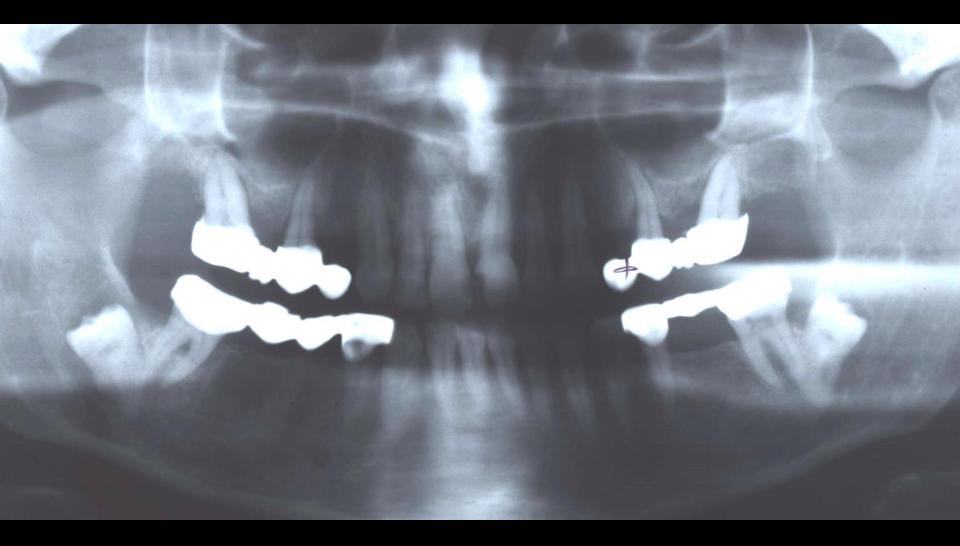


The technique of removal of third molar in <u>vertical</u> impaction

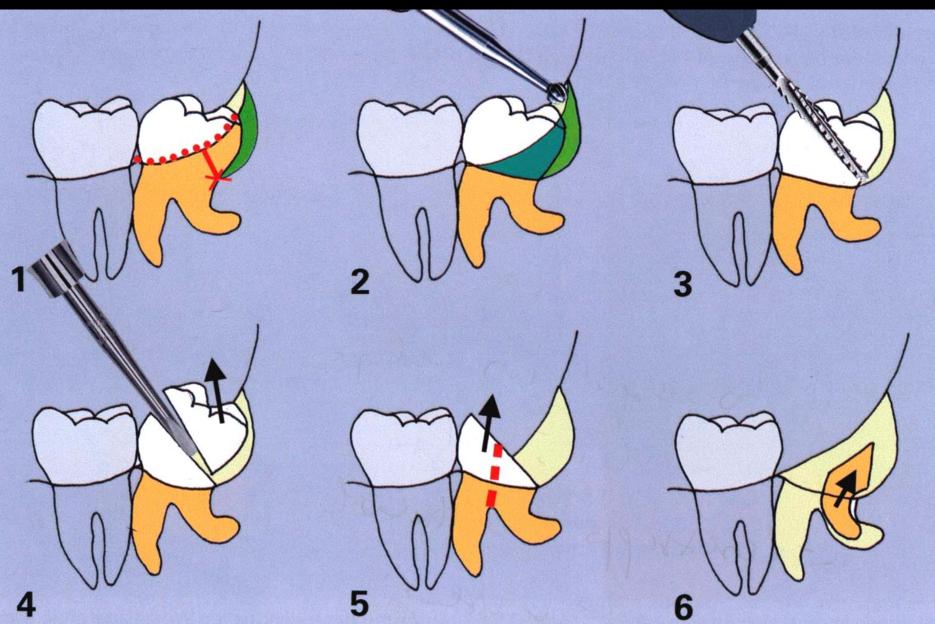




The grades of difficulty of removal of third molar in <u>disto-angular</u> impaction



The technique of removal of third molar in <u>disto-angular</u> impaction



The usual surgical steps for removal of mandibular third molars

- Flap design
- Liberation of the crown from the bone
- Tooth removal: with forceps with elevator

with dissection

Wound cleaning
Wound closure

The principles of wound treatment after removal of mandibular third molars

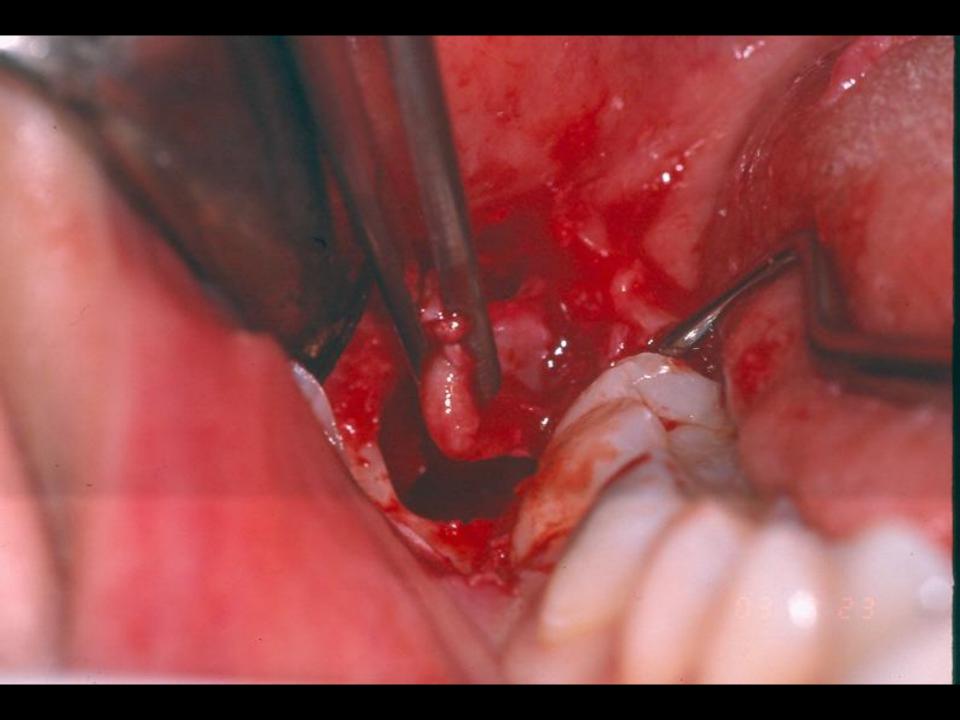
- Removing of remnants of follicular sac
- Wound cleaning
- Wound closure eventually with drainage
- Physiotherapy
- Antibiotic prophylaxis

The principles of wound treatment after removal of mandibular third molars

Removing of remnants of follicular sac
Wound cleaning

The remnants of follicular sac around third molar

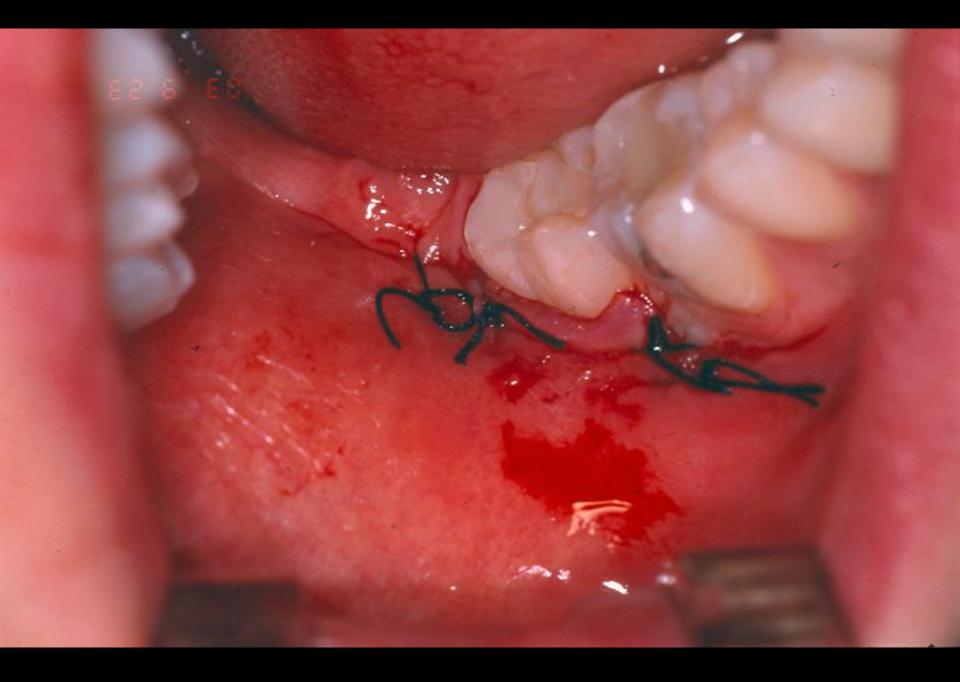


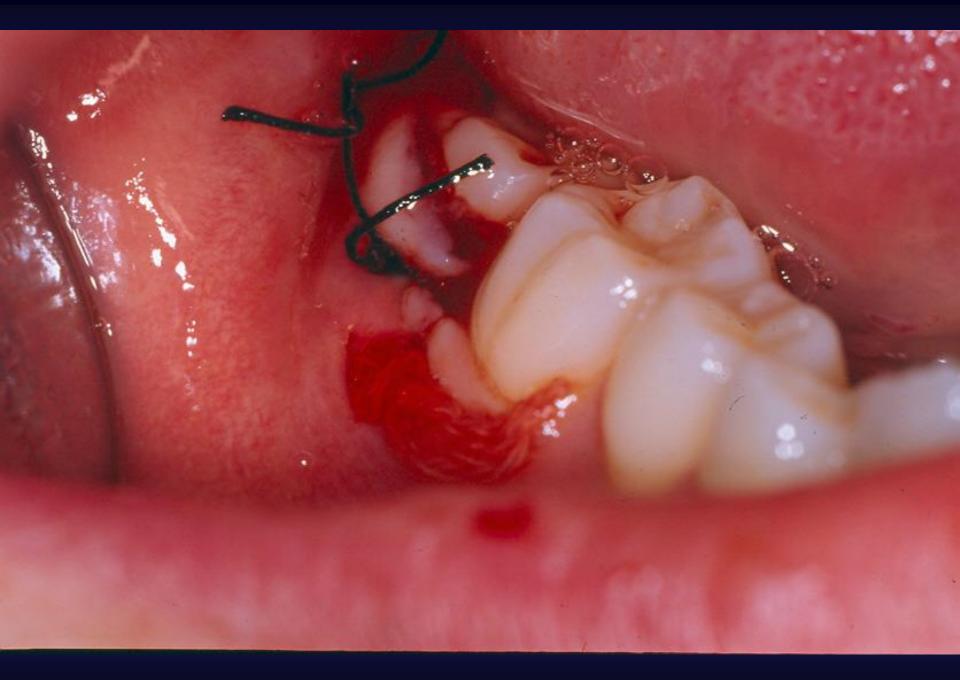




The principles of wound treatment after removal of mandibular third molars

- Removing of remnants of follicular sac
- Wound cleaning
- Wound closure eventually with drainage





The principles of wound treatment after removal of mandibular third molars

- Removing of remnants of follicular sac
- Wound cleaning
- Wound closure eventually with drainage
- Physiotherapy
- Antibiotic prophylaxis

Complications of removal of mandibular third molars

- Alveolar osteitis /Dry socket/
- Injury of 2 molar
- Fracture of root
- Fracture of mandible
- Nerve injury