

# Ekstern tilgang til bihulene og skallebasis

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ØNH- Rikshospitalet

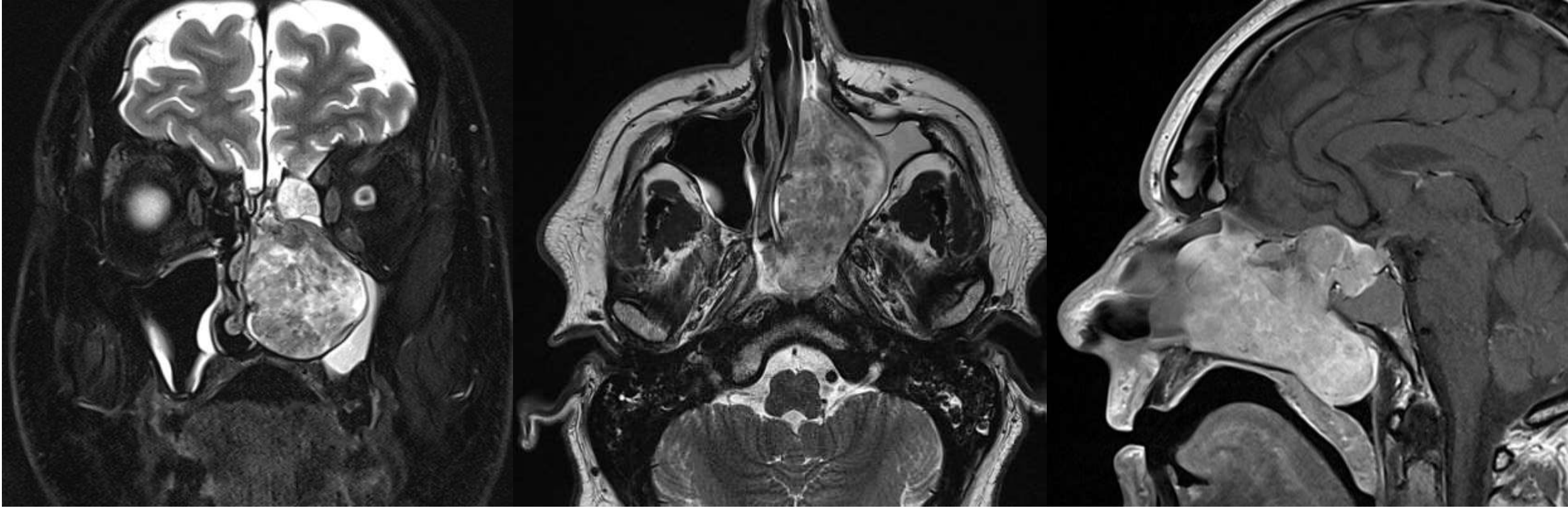
# Ekstern tilgang til bihulene og skallebasis

1. Lateral rhinotomi
2. Sublabial tilgang
3. Lynch snitt
4. Bicoronal tilgang

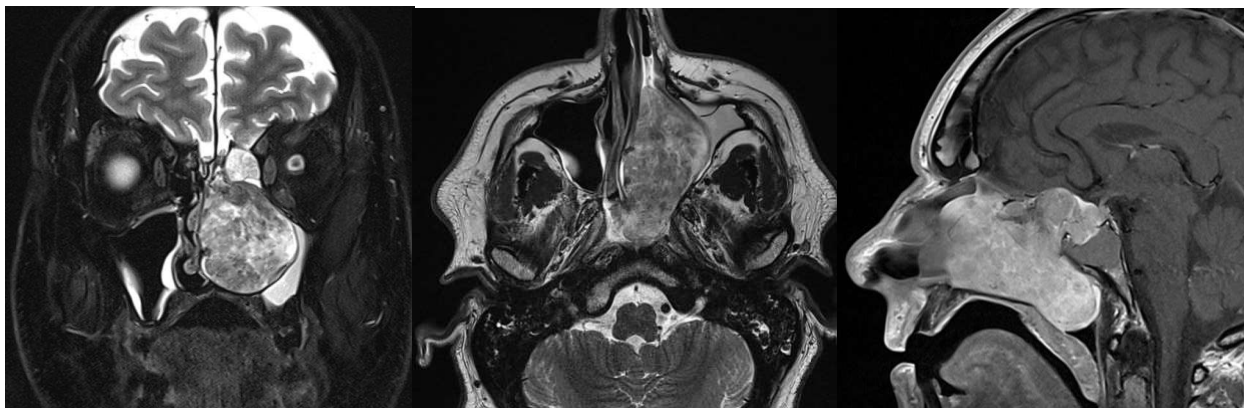
# Indikasjon for ekstern tilgang

- Avhengig av:
  - Lesjon beliggenhet
  - Histologi (malign, benign, vaskulær,...)
  - Størrelse
  - Pasientfaktorer (Alder, co-morbiditet,..)
  - Kirurg erfaring

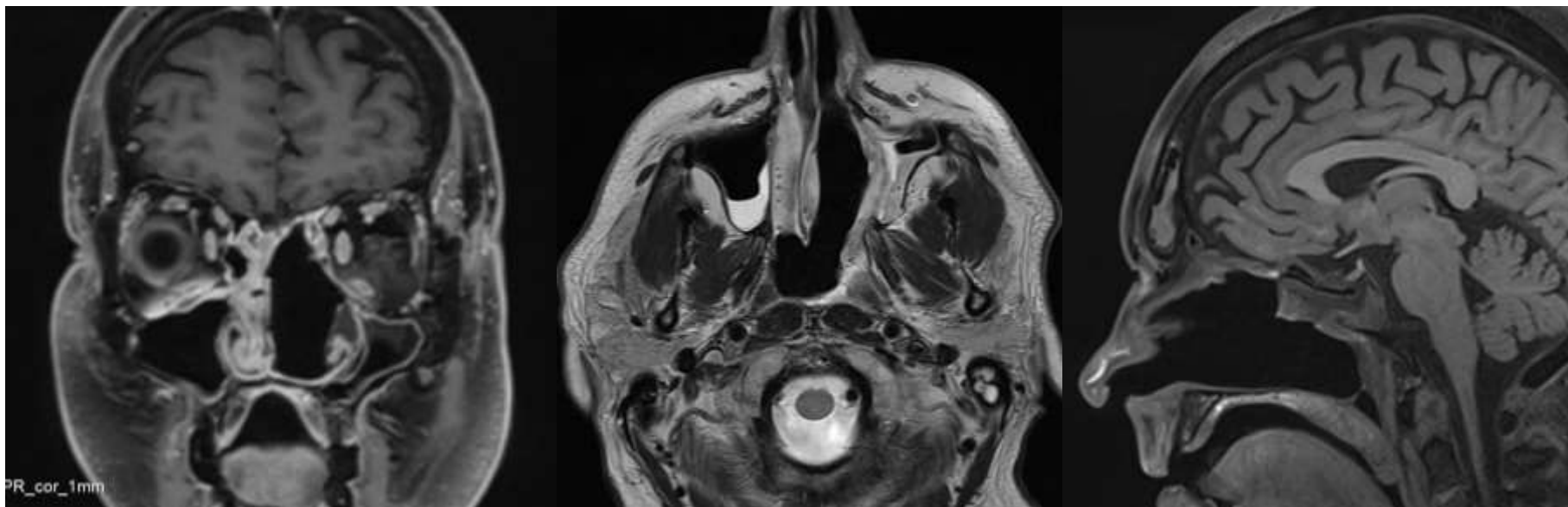
# Solitær fibrøs tumor



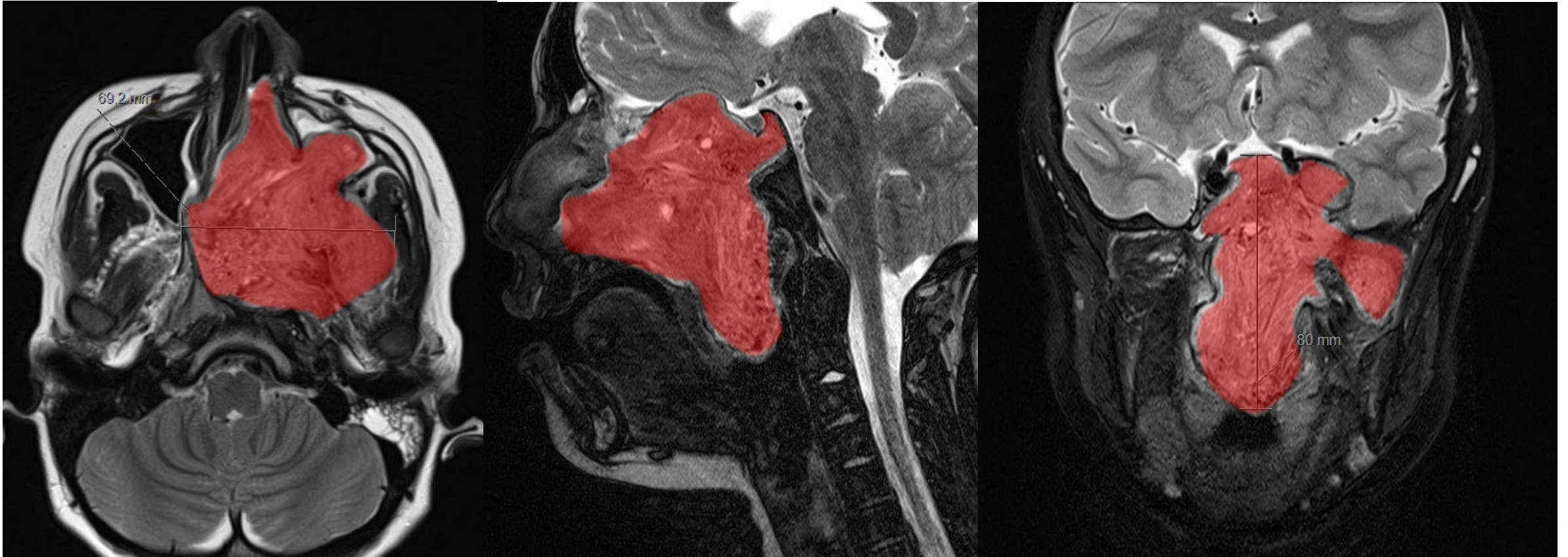
# Solitær fibrøs tumor



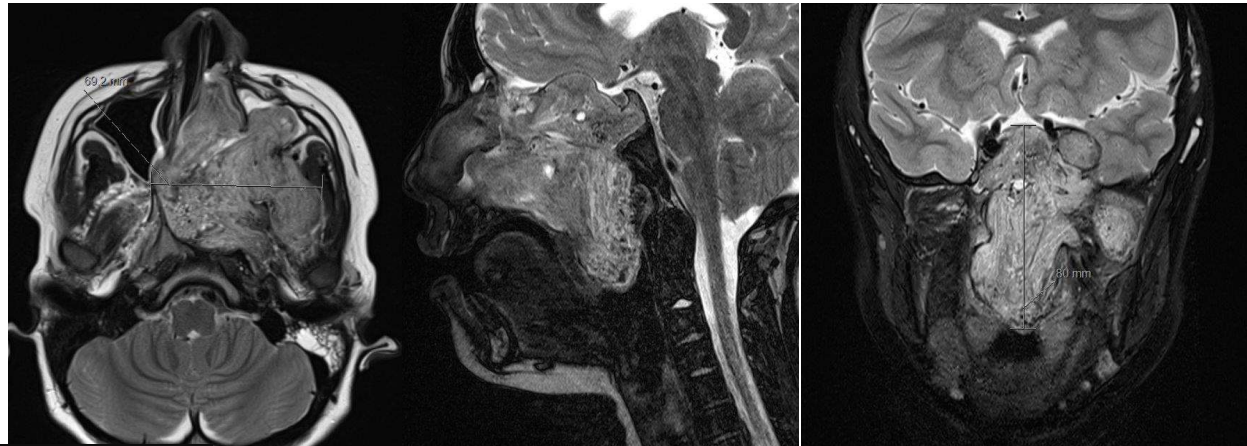
Endoskopisk fjerning



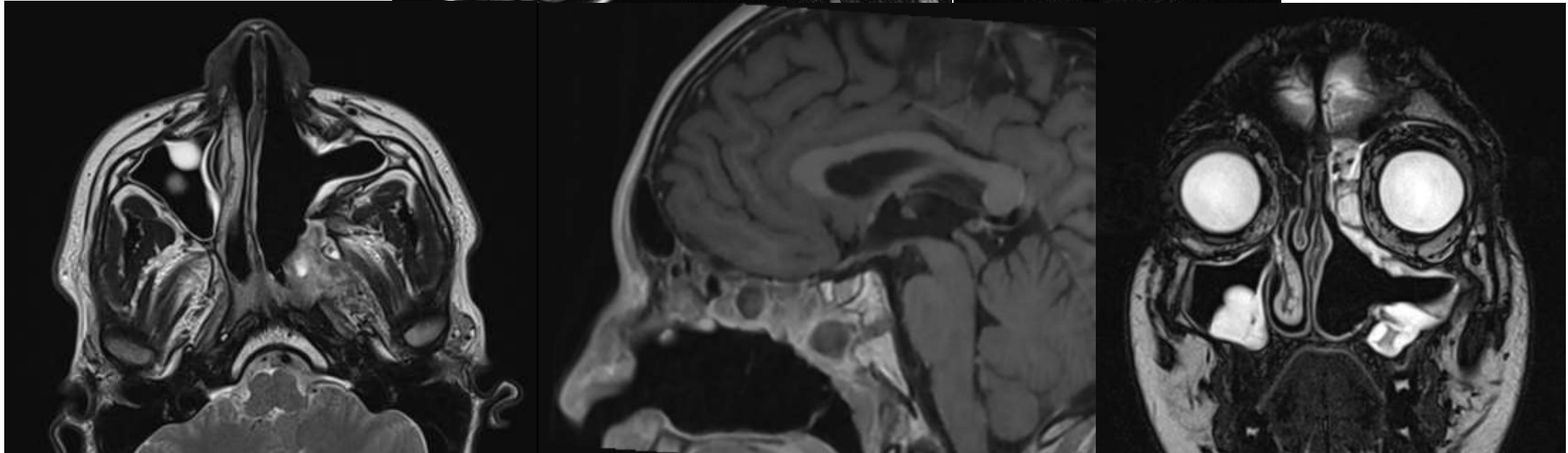
# Juvenilt nasofarynks angiofibrom



# Juvenilt nasofarynks angiofibrom



Midfacial degloving

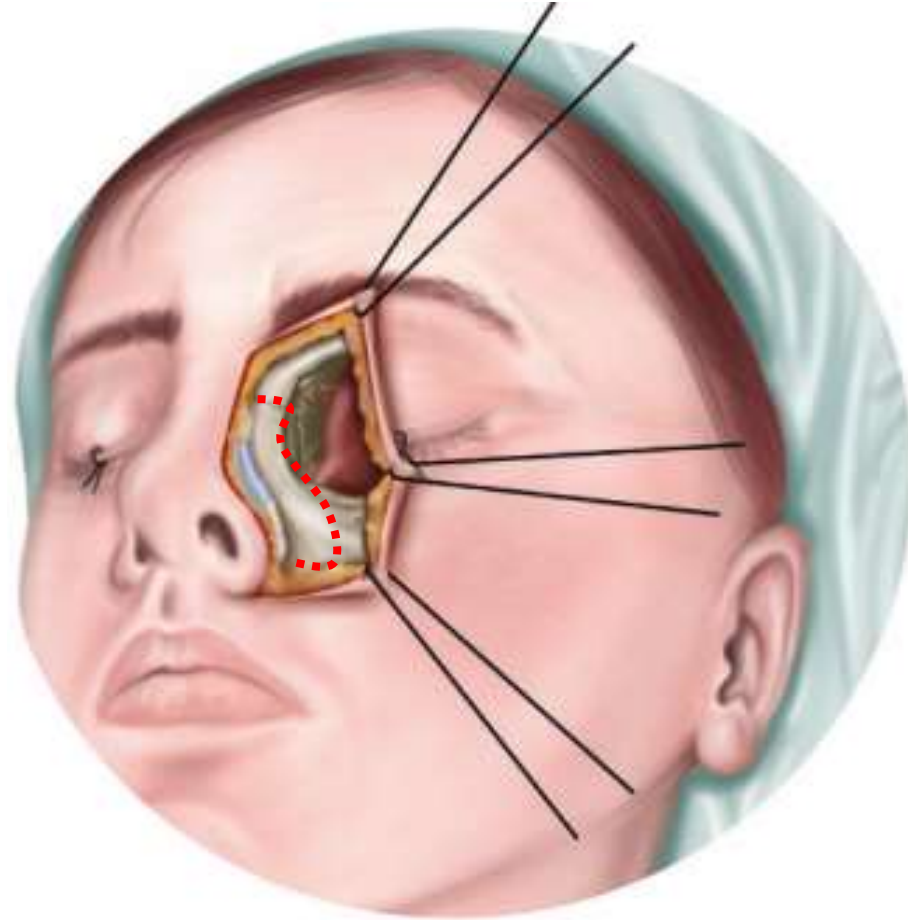


# Lateral rhinotomi

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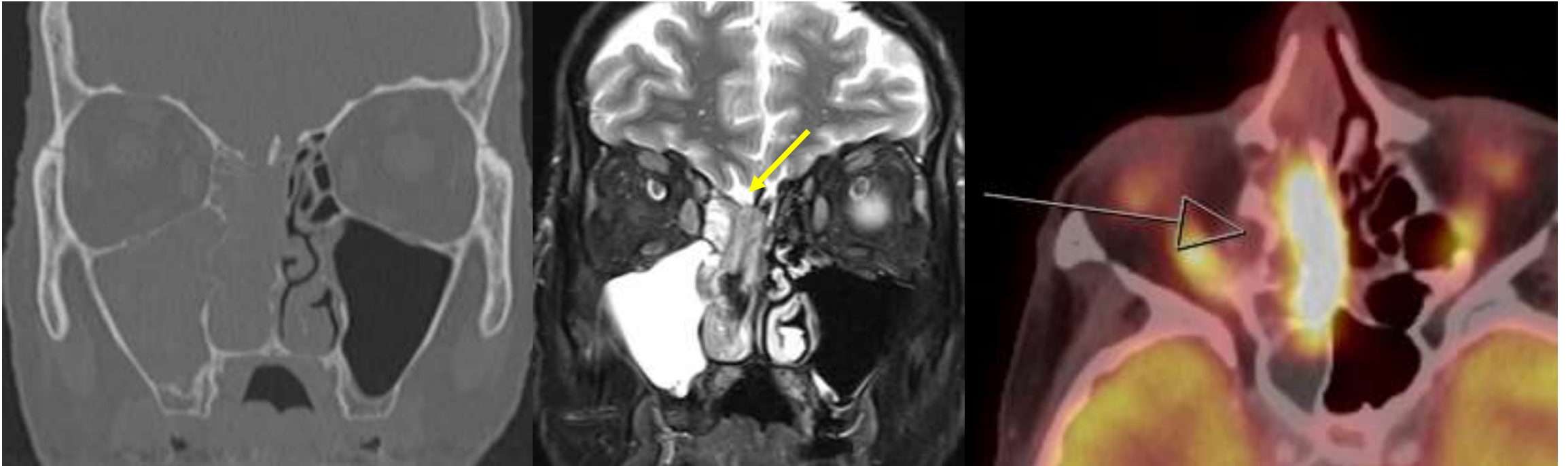
- Indikasjon:
  - Malign tumor i ethmoidal, maxillar, sfenoidal sini
  - Malign tumor i skallebasis
  - Malign tumor medially i orbita tumor

# Lateral Rhinotomy



# Lateral Rhinotomi kasuistikk

- Malign melanom



# Lateral Rhinotomi kasuistikk



# Lateral Rhinotomi kasuistikk



Nesevingelapp



N. infraorbitale



saging

# Lateral Rhinotomi kasuistikk

tårekanalen



# Lateral Rhinotomi kassustikk



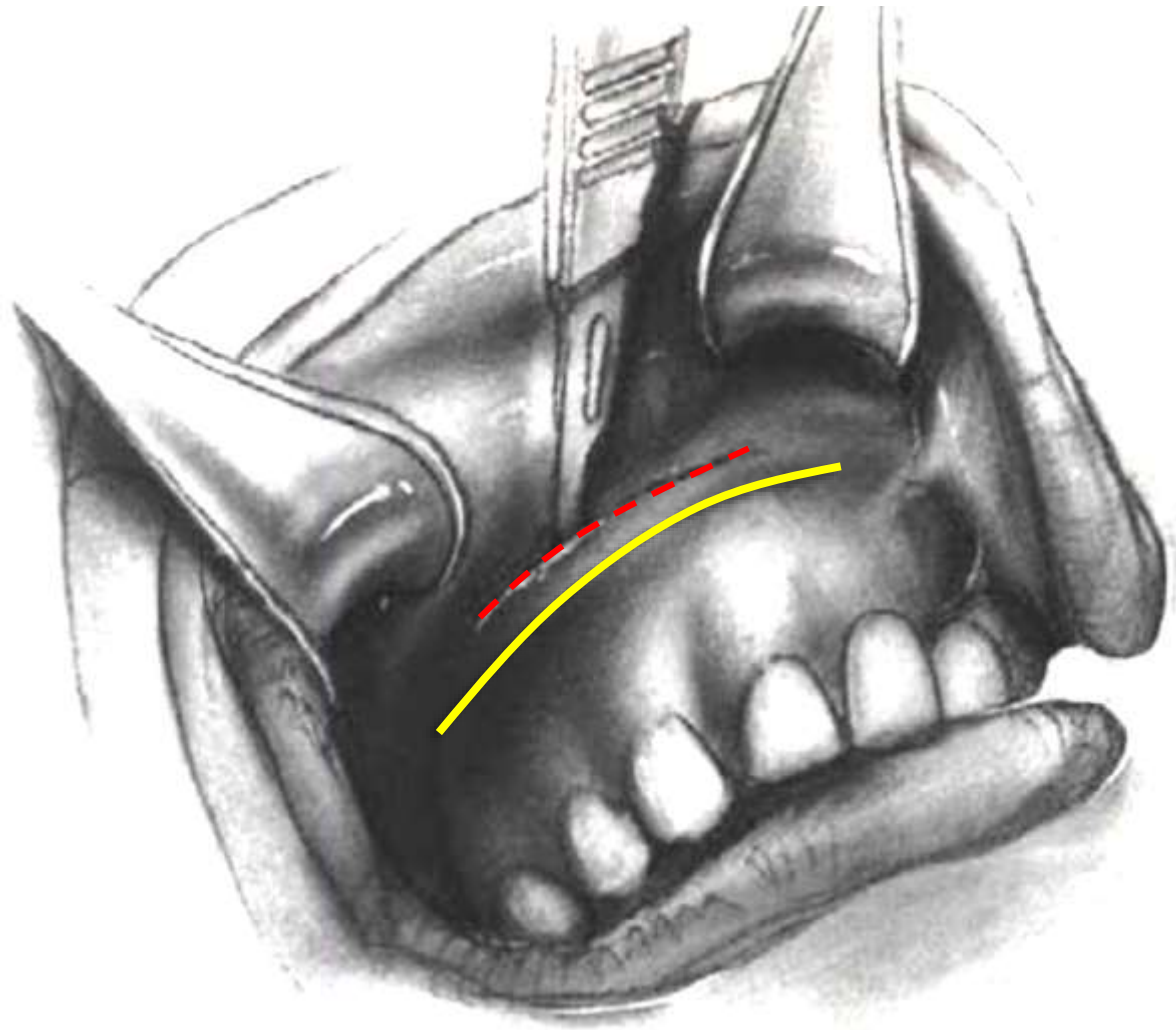
# Lateral Rhinotomi kassustikk



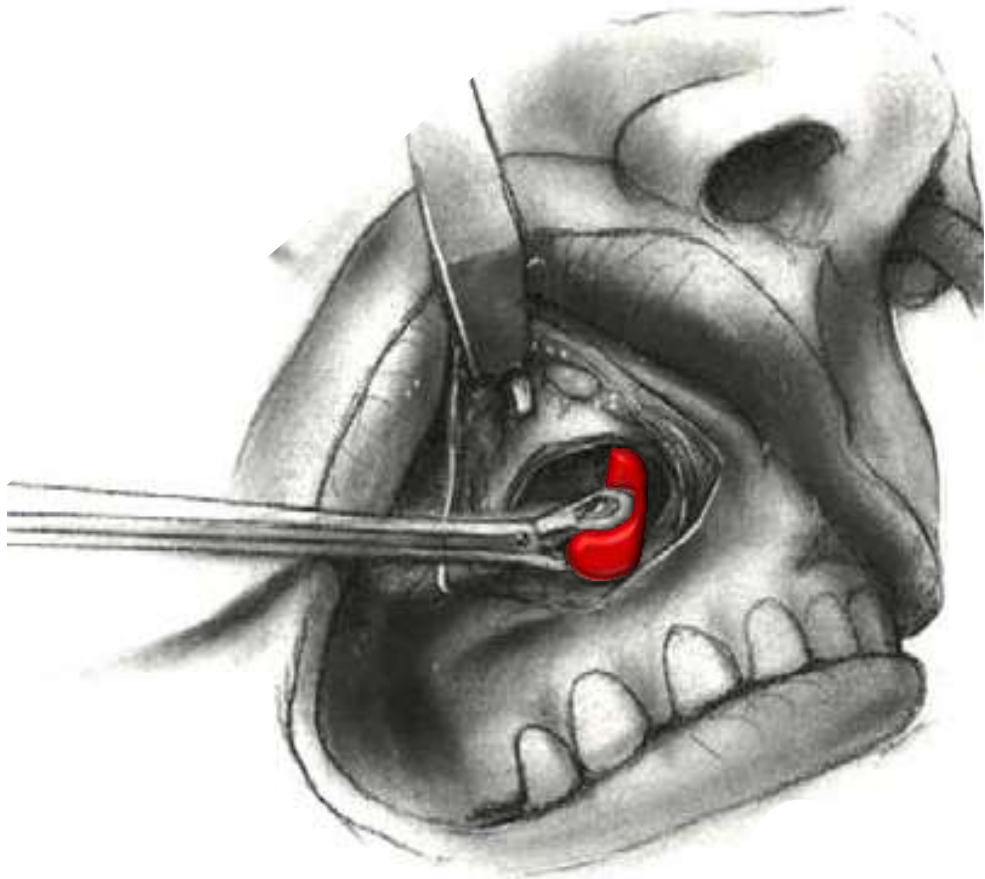
# Sublabial tilgang

- Caldwell-Luc
- Midfacial degloving

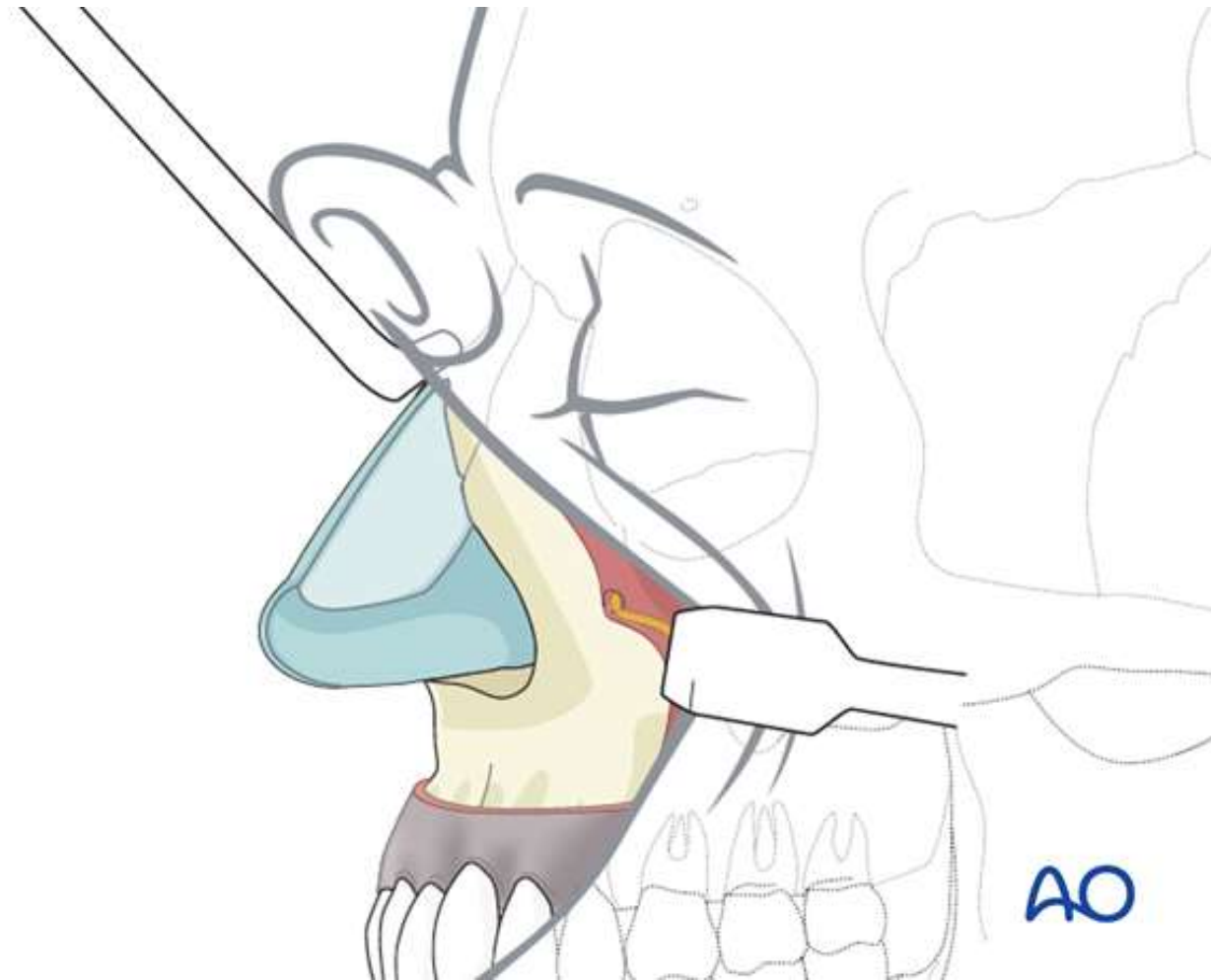
# Caldwell-Luc



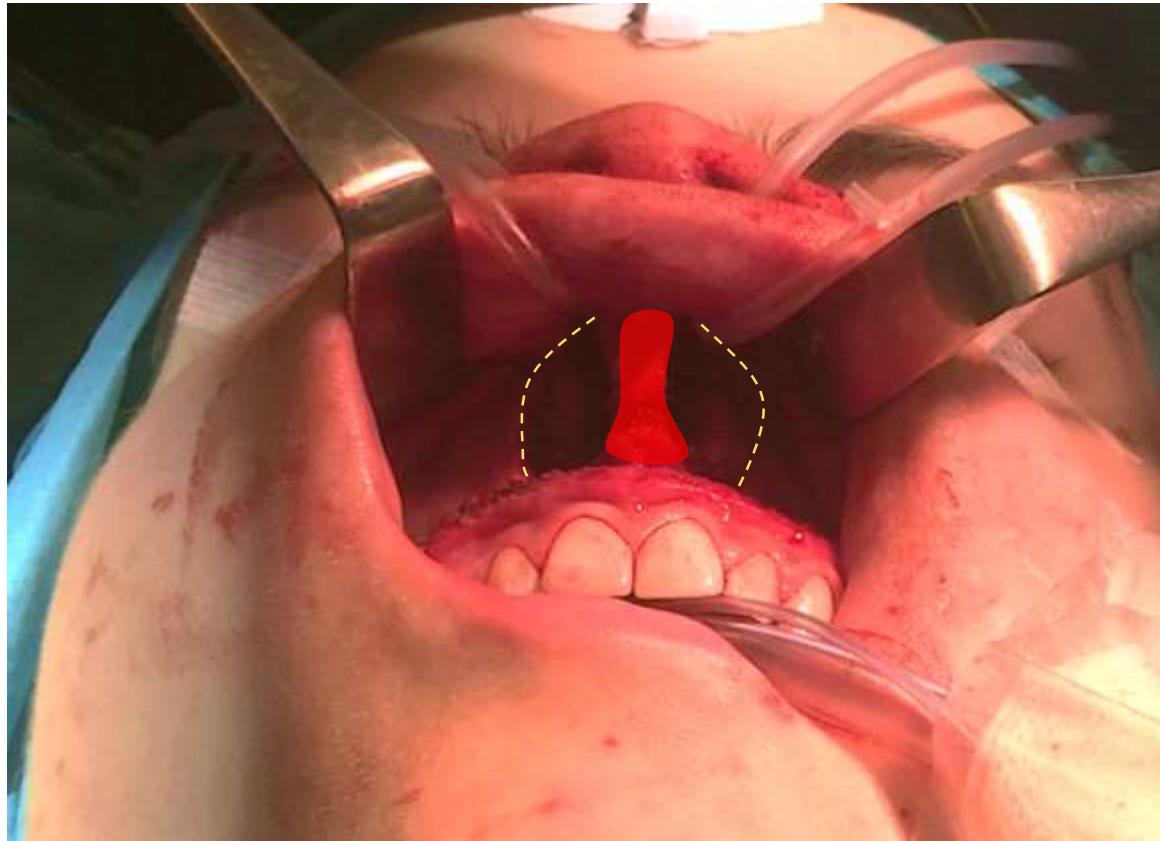
# Caldwell-Luc



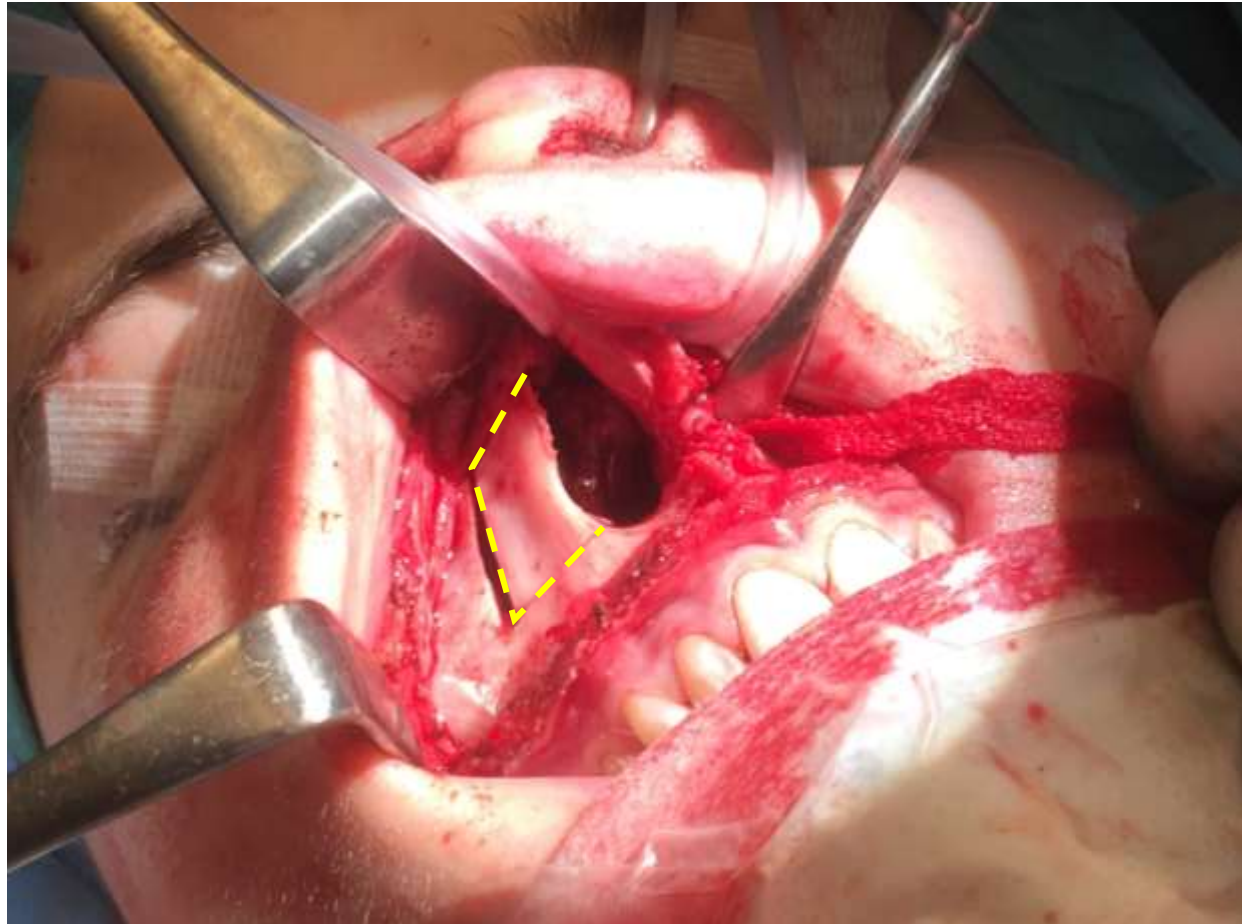
# Midfacial degloving -



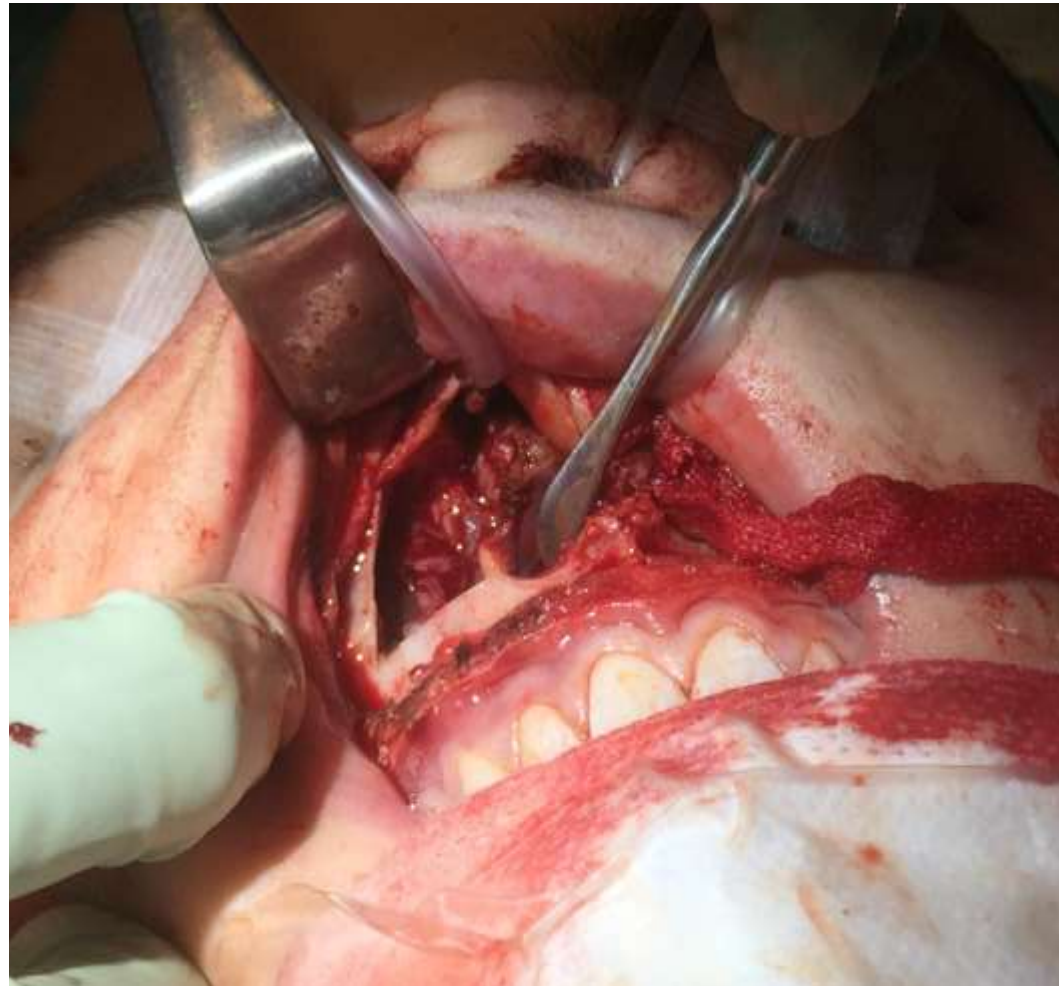
# Midfacial degloving - Kasustikk



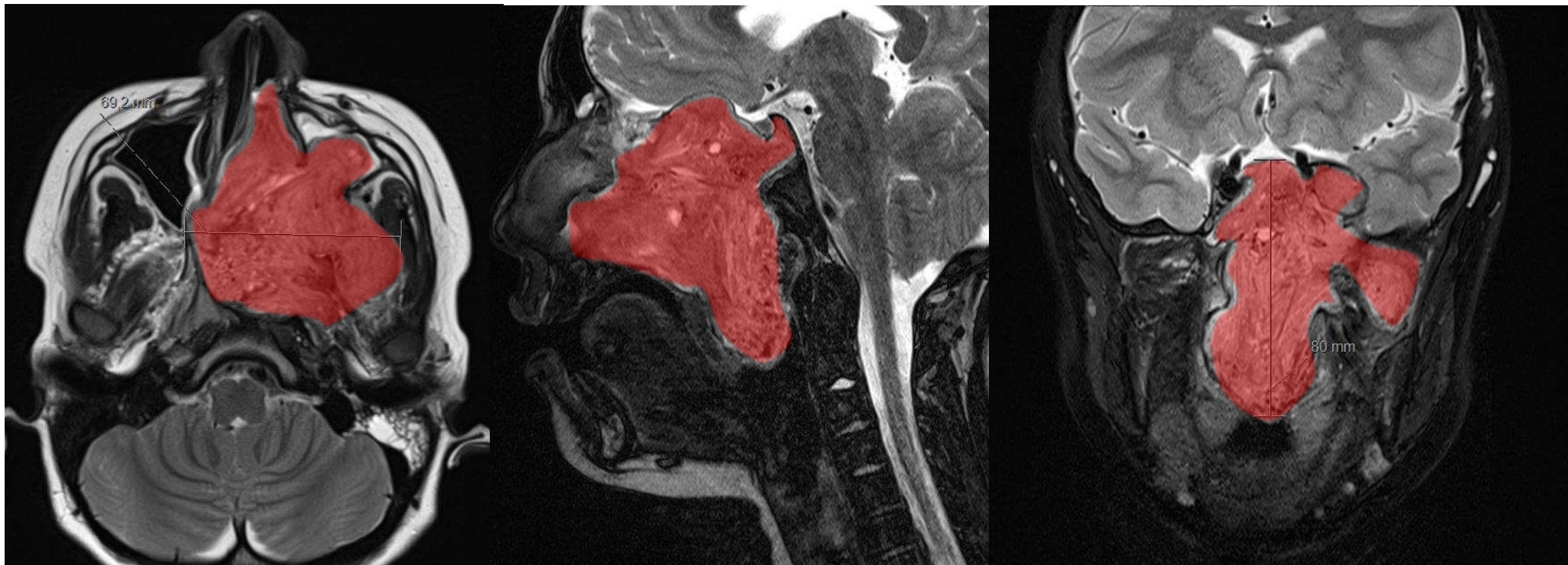
# Midfacial degloving - Kasustikk



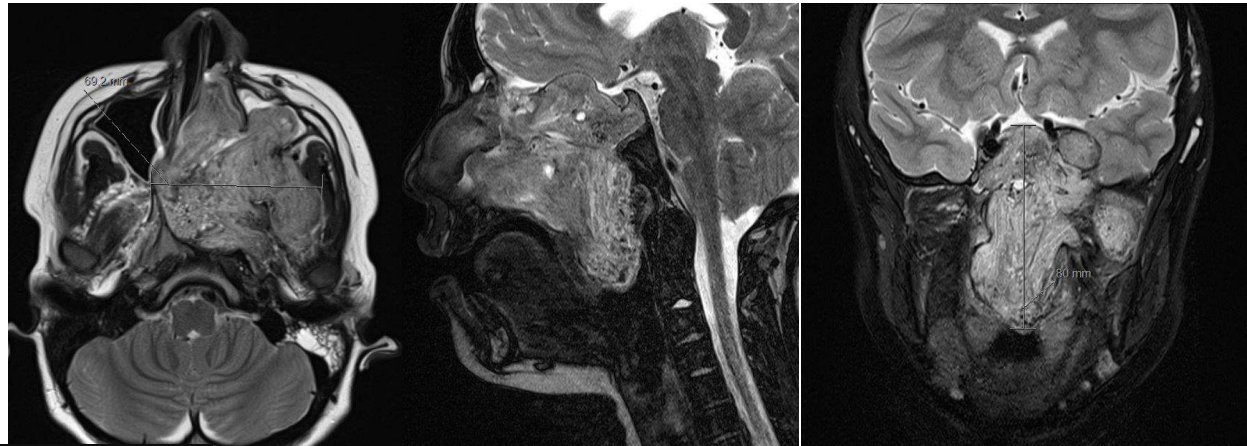
# Midfacial degloving - Kasuistikk



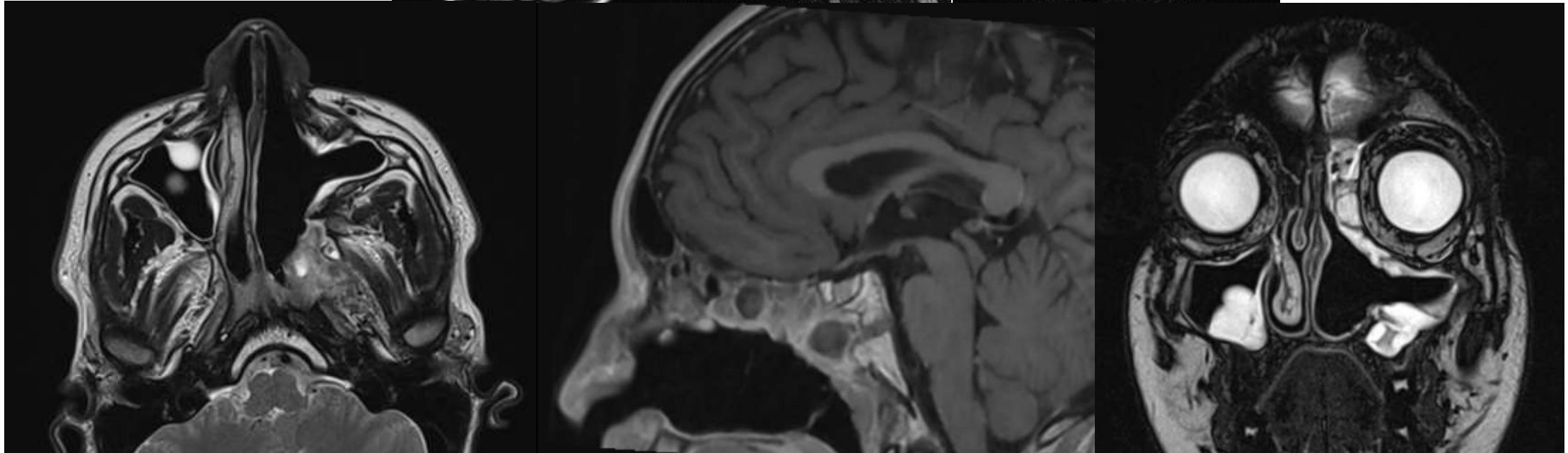
# Juvenilt nasofarynks angiofibrom



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Midfacial degloving



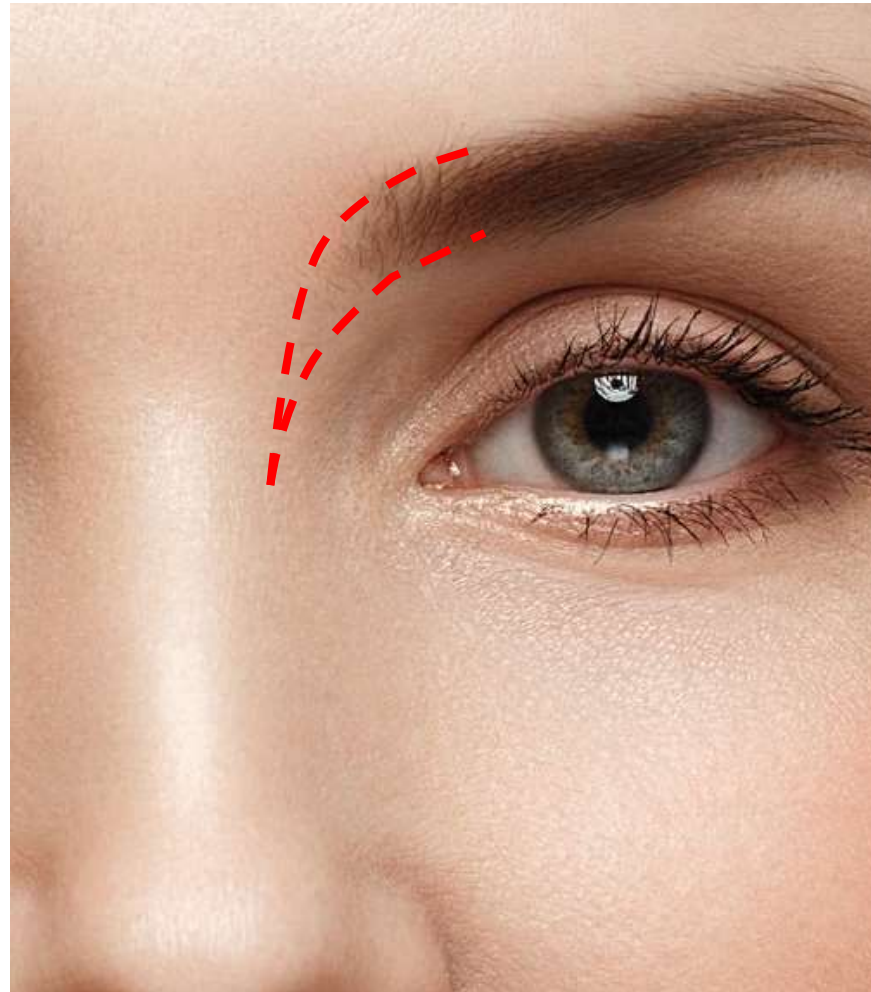
Lynch snitt

# Lynch snitt

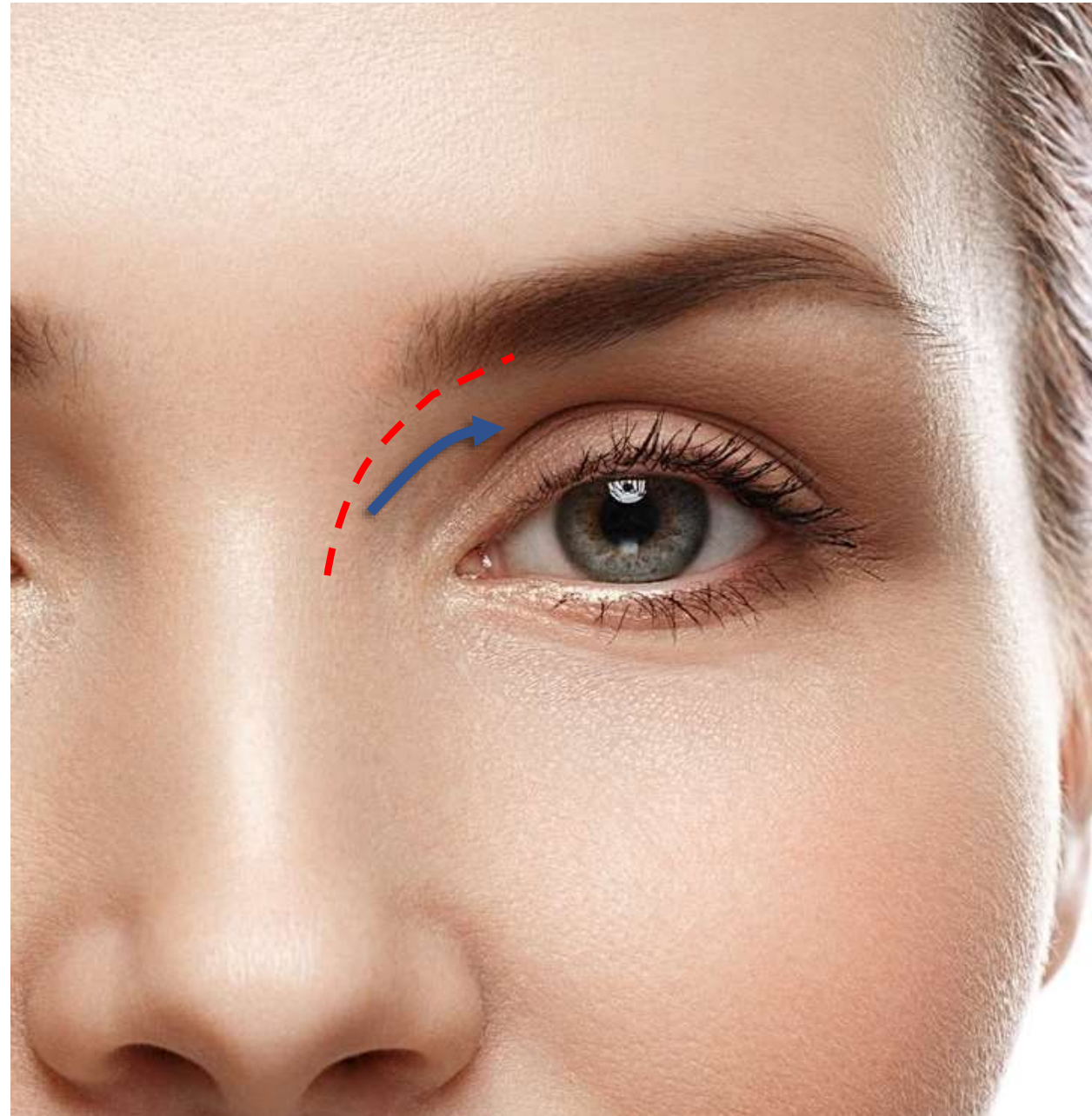
- Indikasjon

- Ekstern tilgang til medial del av frontal sinus
- Ligering av a. ethmoidalis anterior og posterior
- Fjerning av tumor fra craniale delen av orbita

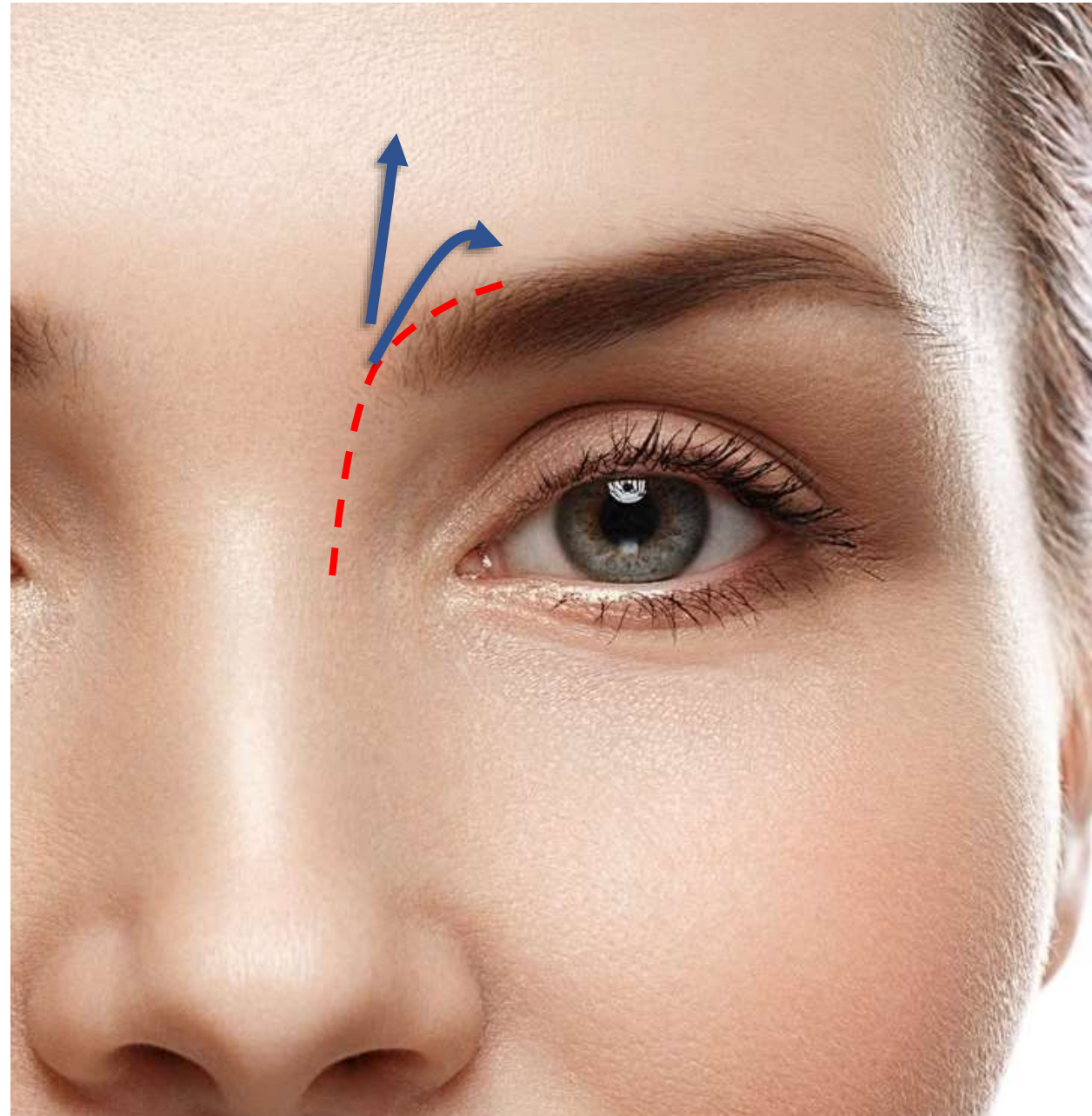
# Lynch snitt



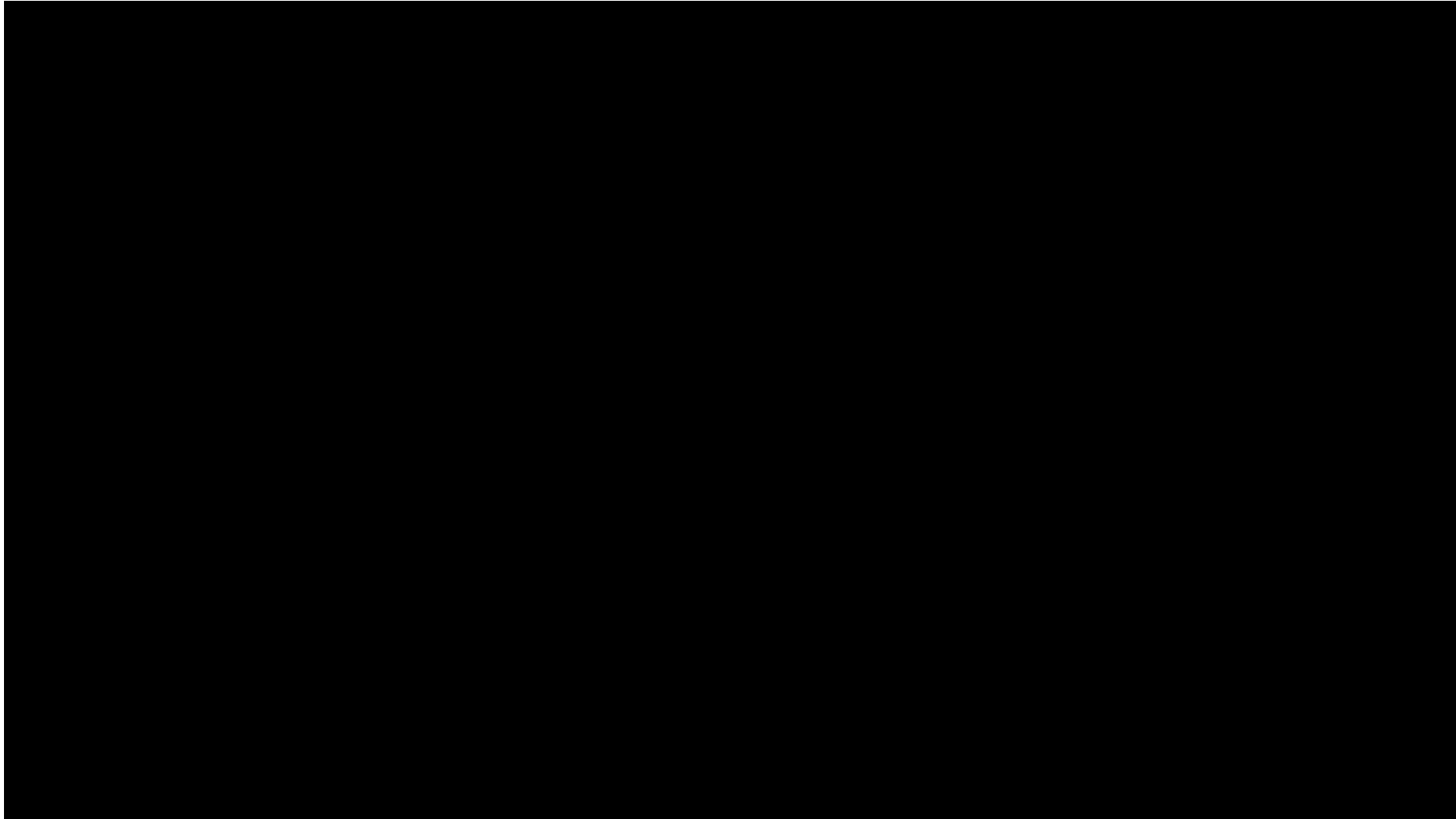
# Lynch snitt



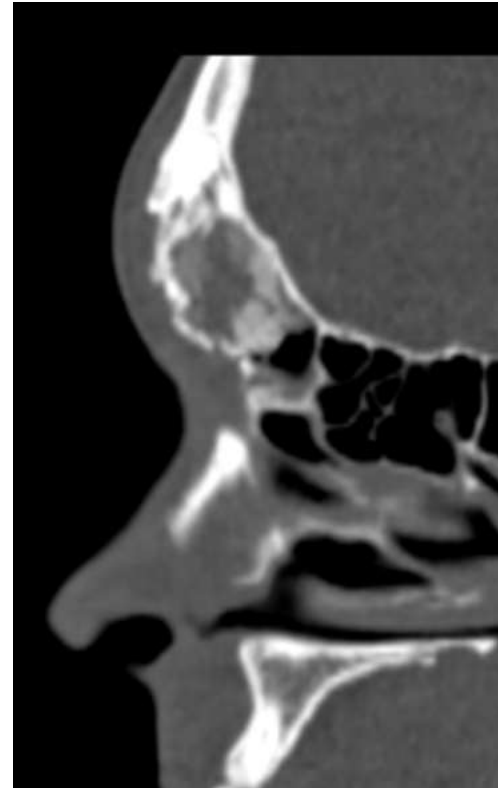
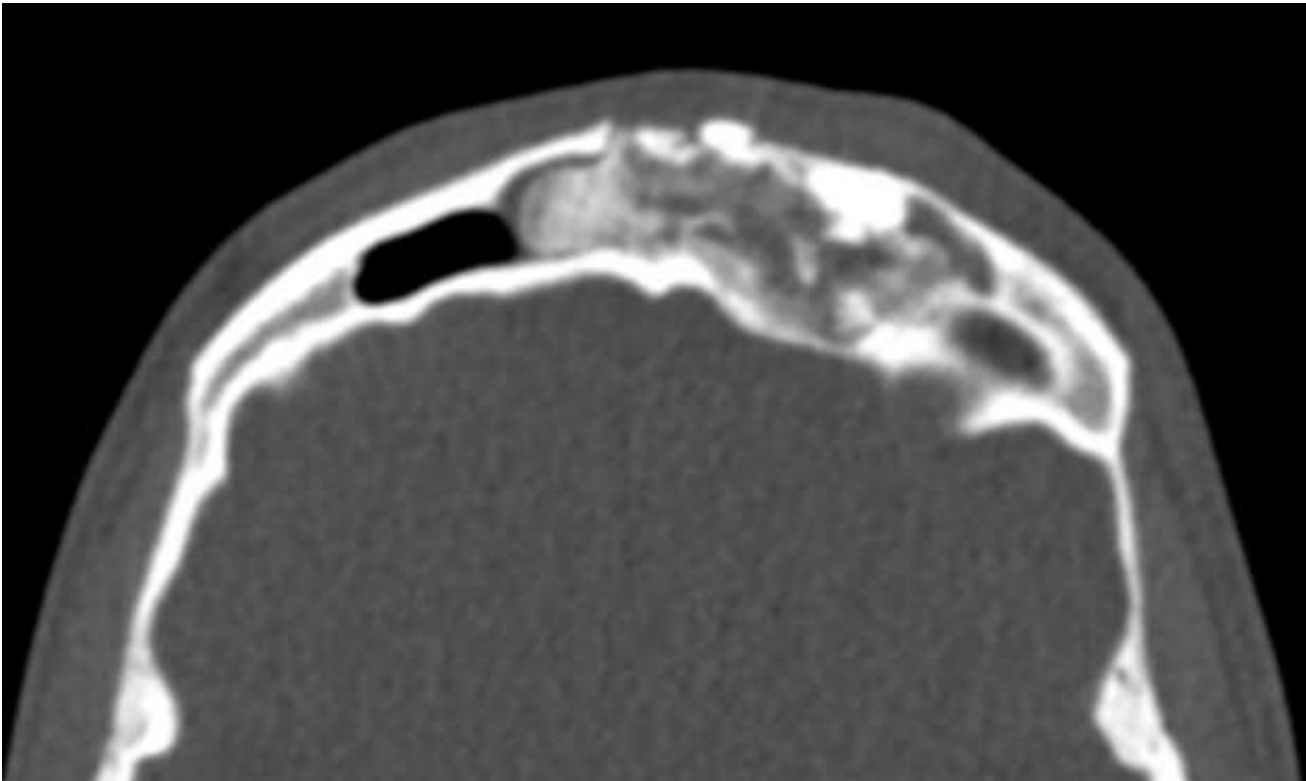
# Lynch snitt



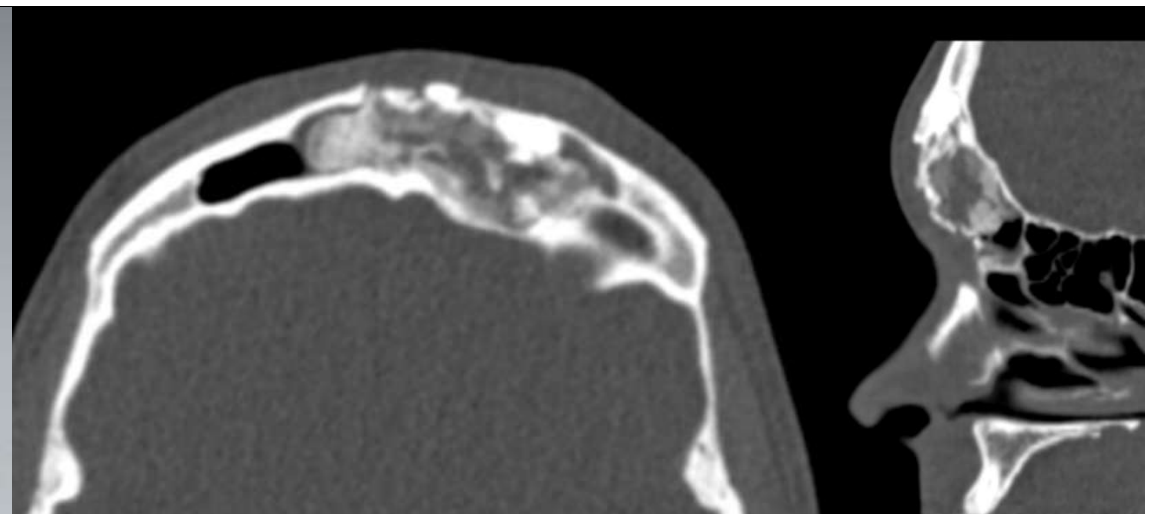
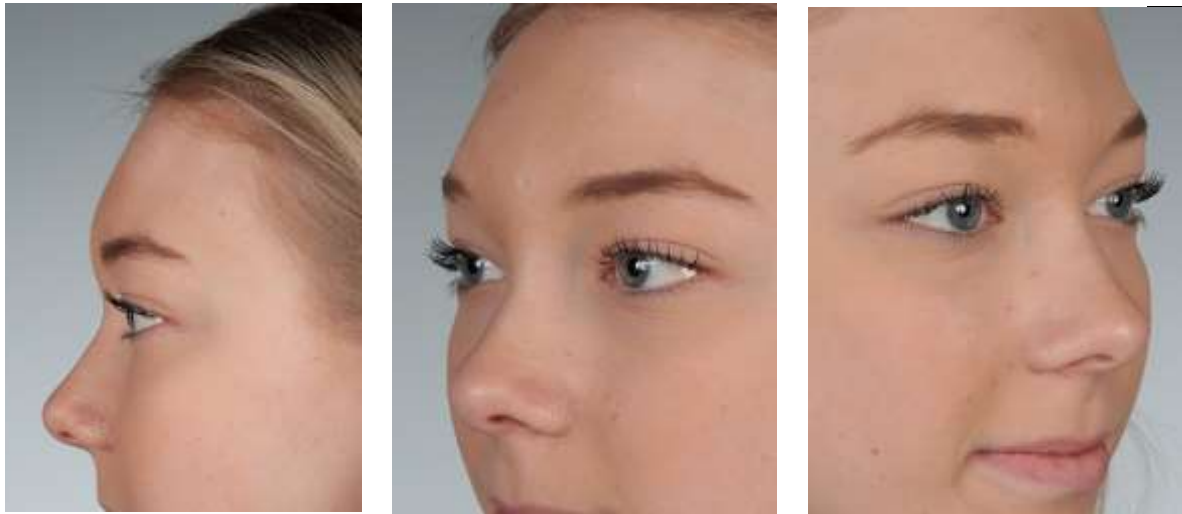
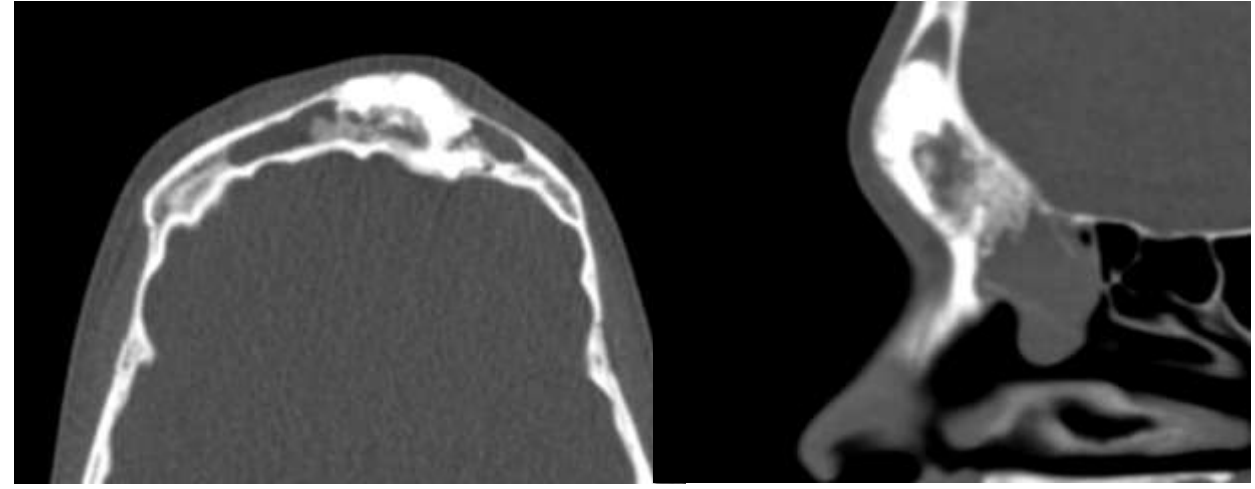
# Lynch snitt- Kasuistikk-1



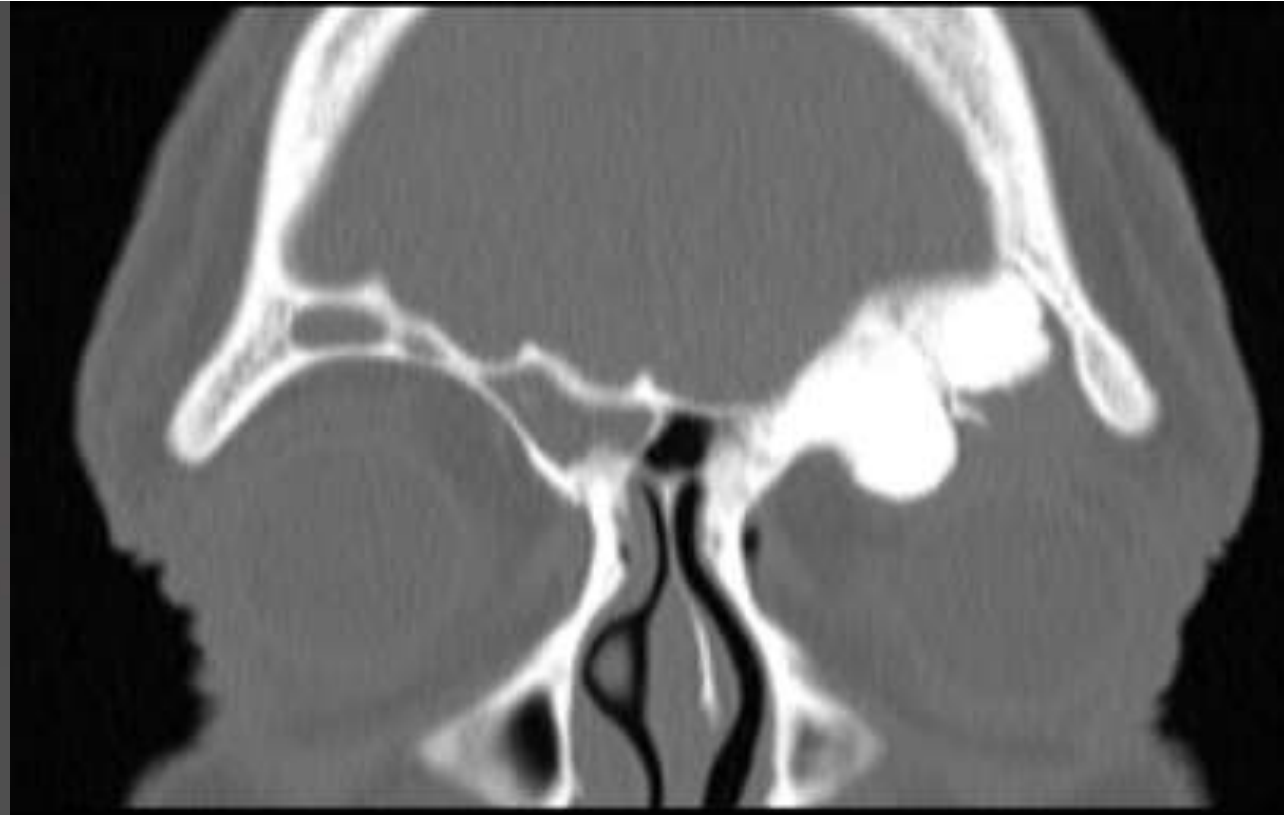
## Lynch snitt- Kasustikk-2



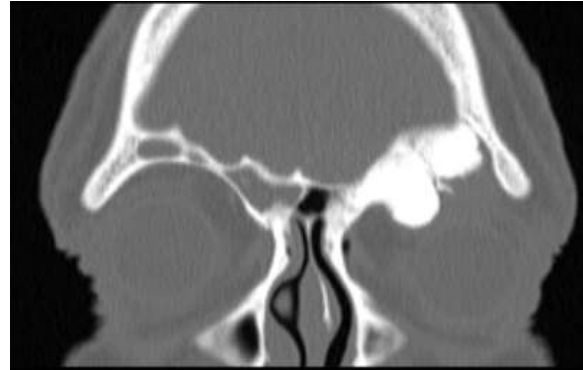
# Lynch snitt- Kasustikk-2



# Lynch snitt- Kasuistikk-3

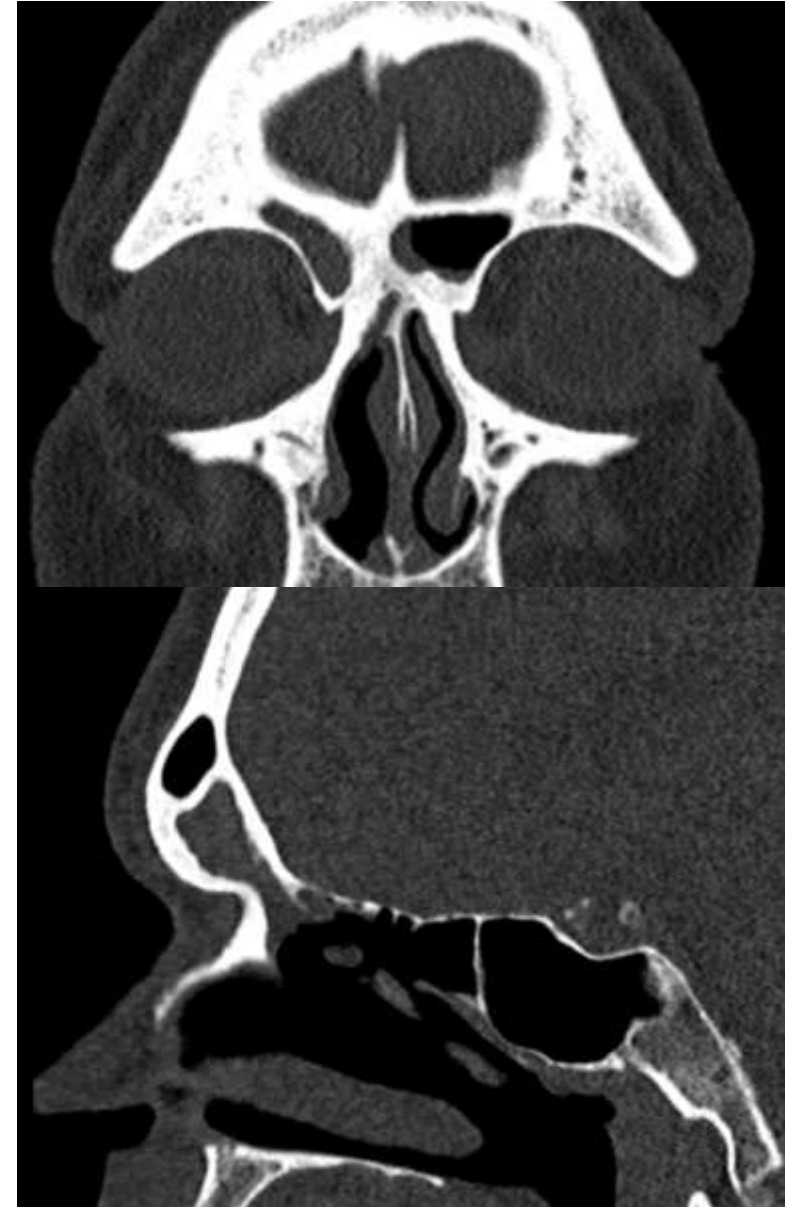


# Lynch snitt- Kasuistikk-3



# Lynch snitt- Kasuistikk-4

- IP i frontal sinus



Bikoronal snitt

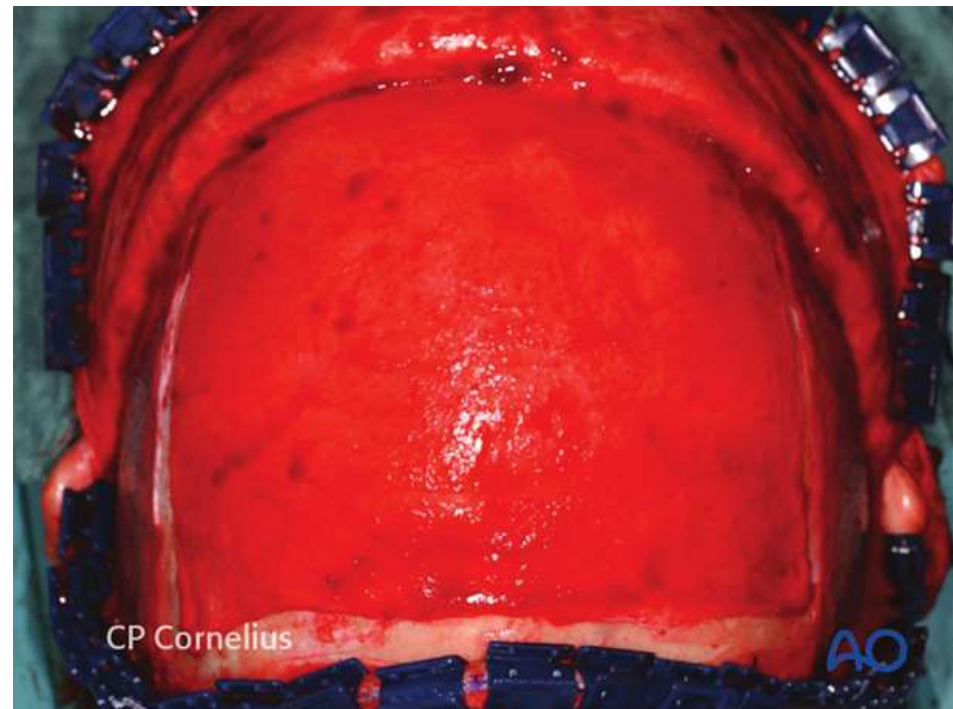
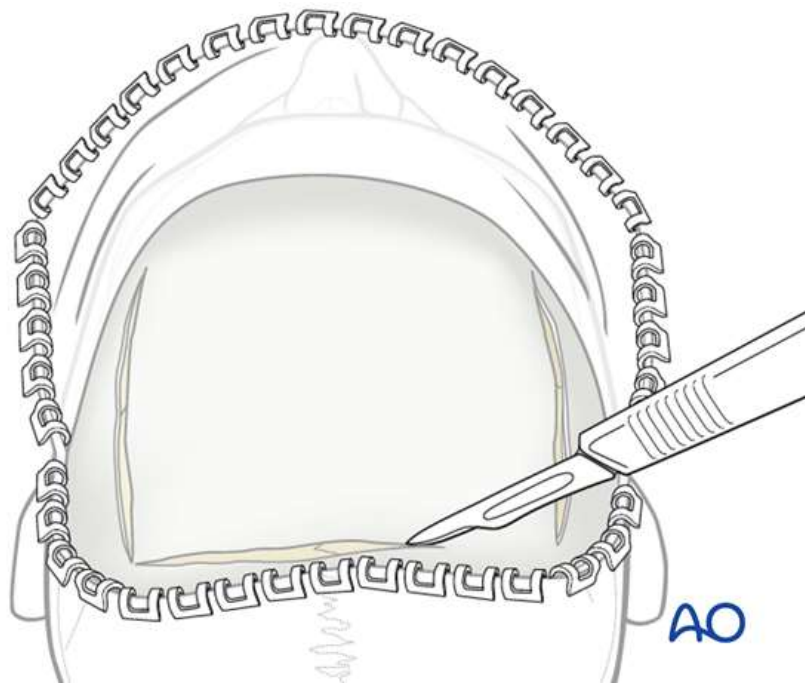
Coronale / bitemporale insision

# Koronale eller biteporale snitt

- God tilgang til øvre og midtre del av ansiktsskjelettet, inkludert arkus zygomatikus.
- Meste av arret er skjult i hårfestet.
- Omfanget avhenger av prosedyren

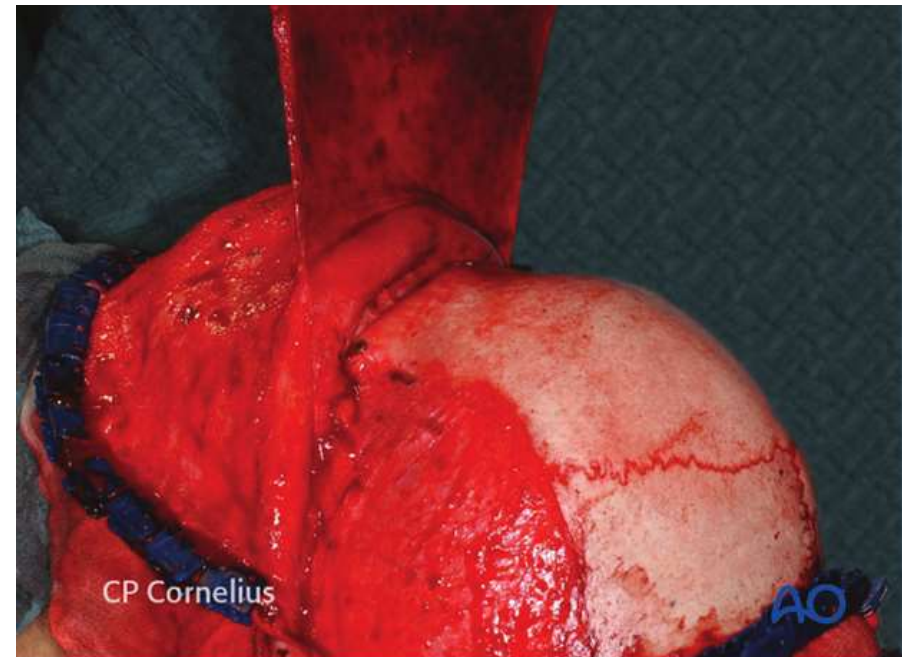
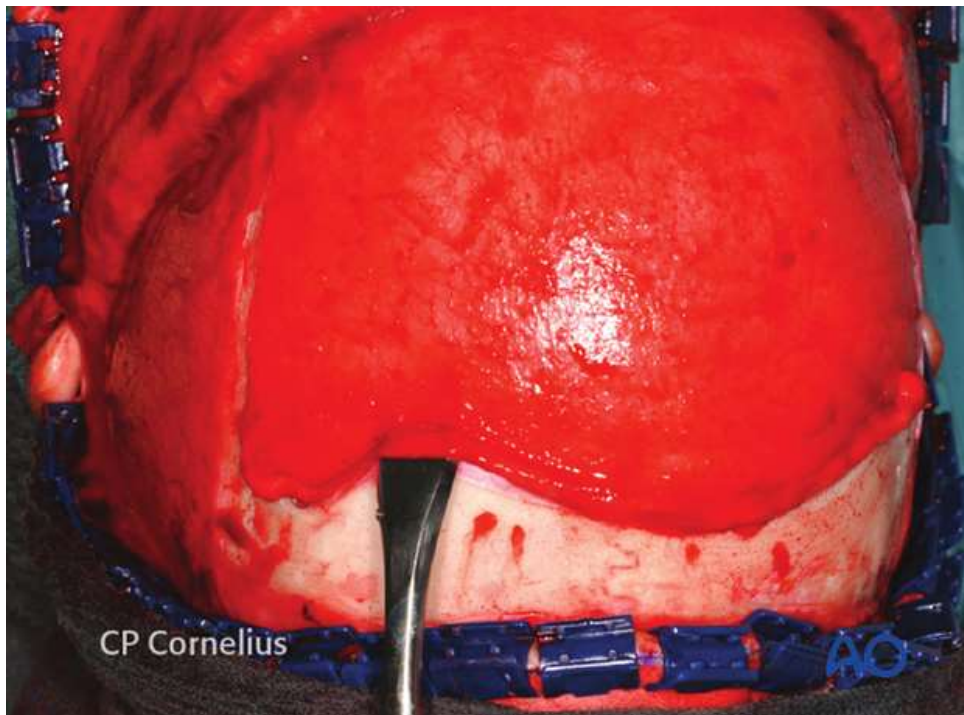
# Teknikk

- Precranium lapp

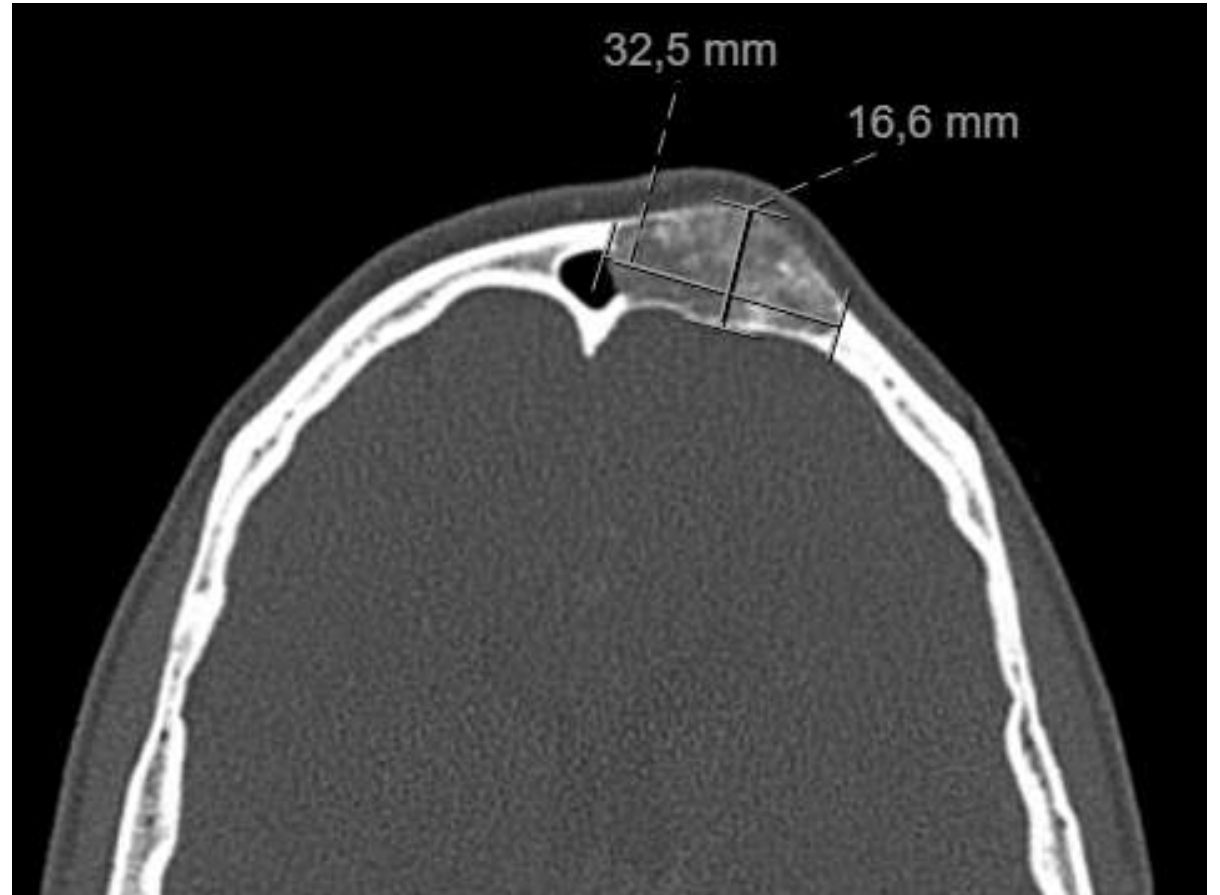


# Teknikk

- Precranium lapp



# Bicoronalsnitt- Kasuistikk- 1



Intraoseøs vaskular malformasjon

# Bicoronalsnitt- Kasuistikk- 1



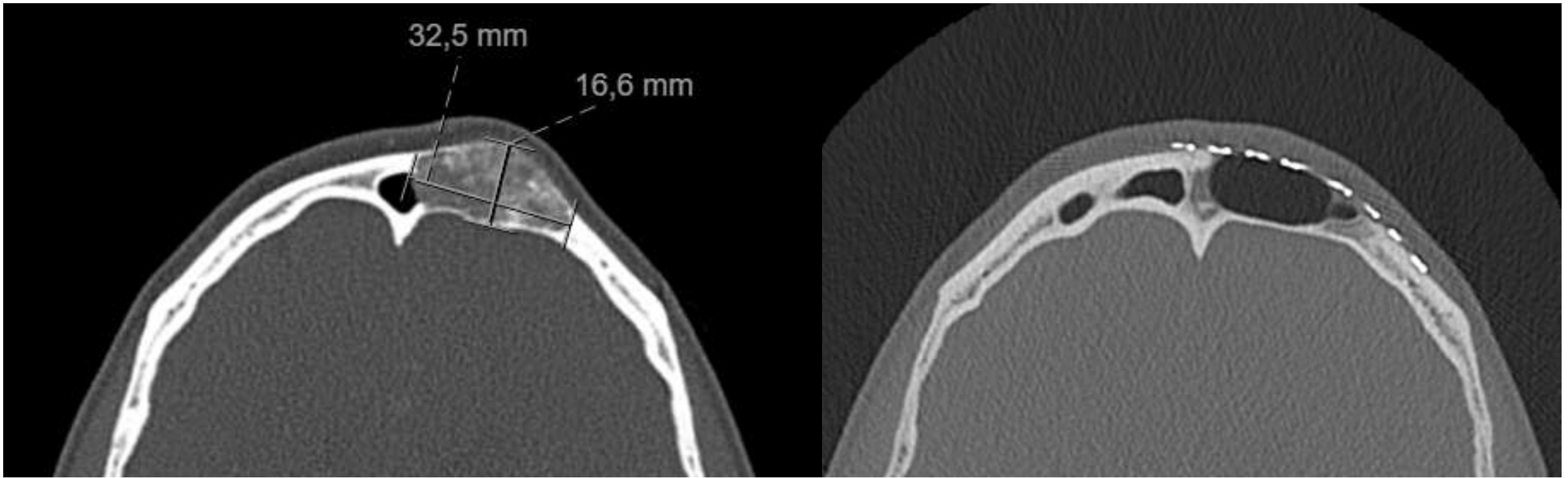
# Bicoronalsnitt- Kasuistikk- 1



# Bicoronalsnitt- Kasuistikk- 1



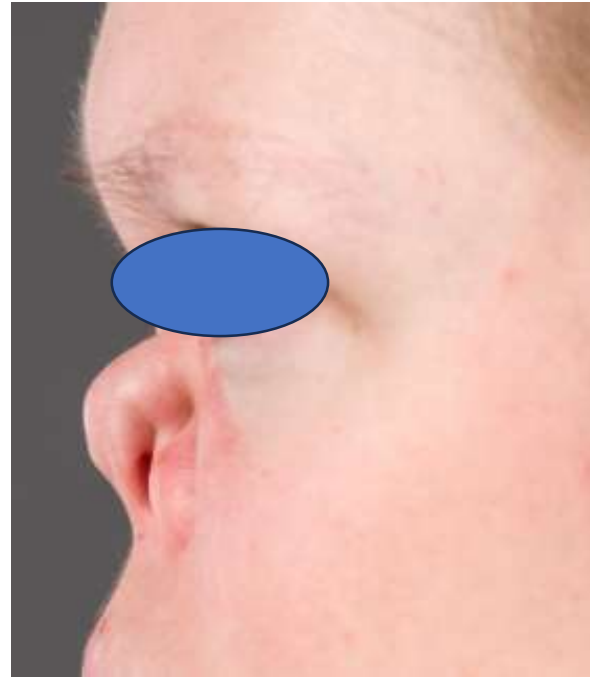
# Bicoronalsnitt- Kasuistikk- 1



Før operasjon

1 år etter op

## Bicoronalsnitt- Kasuistikk- 2



GPA

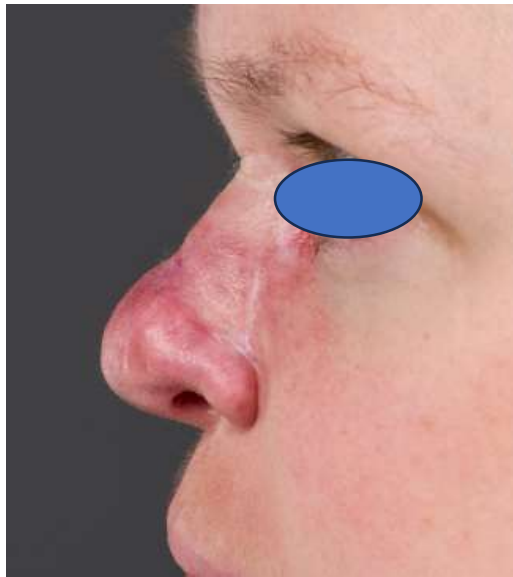
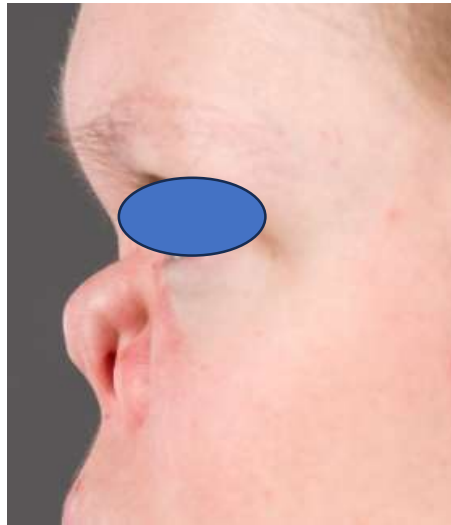
## Bicoronalsnitt- Kasuistikk- 2



## Bicoronalsnitt- Kasuistikk- 2

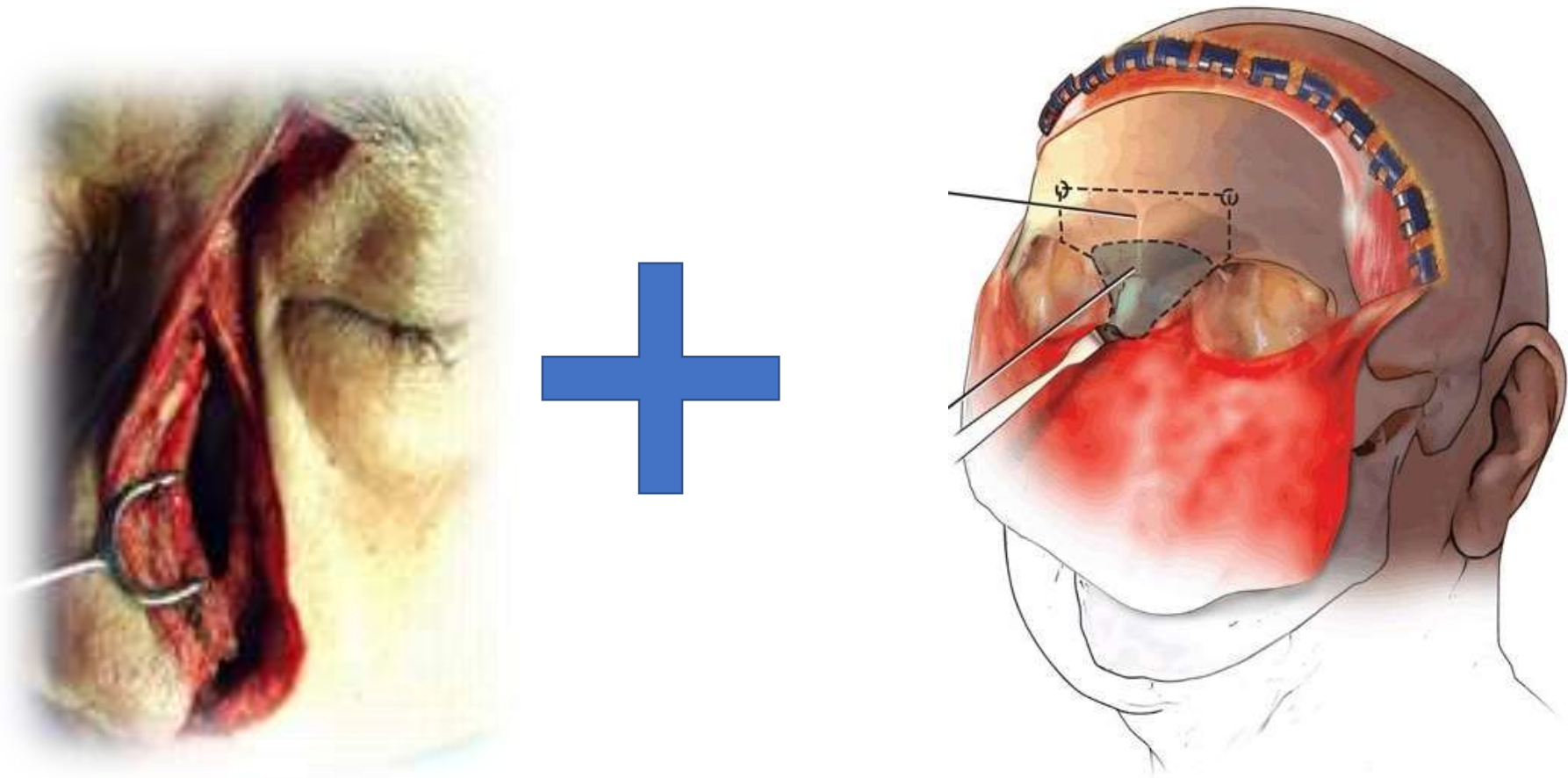


# Bicoronalsnitt- Kasuistikk- 2

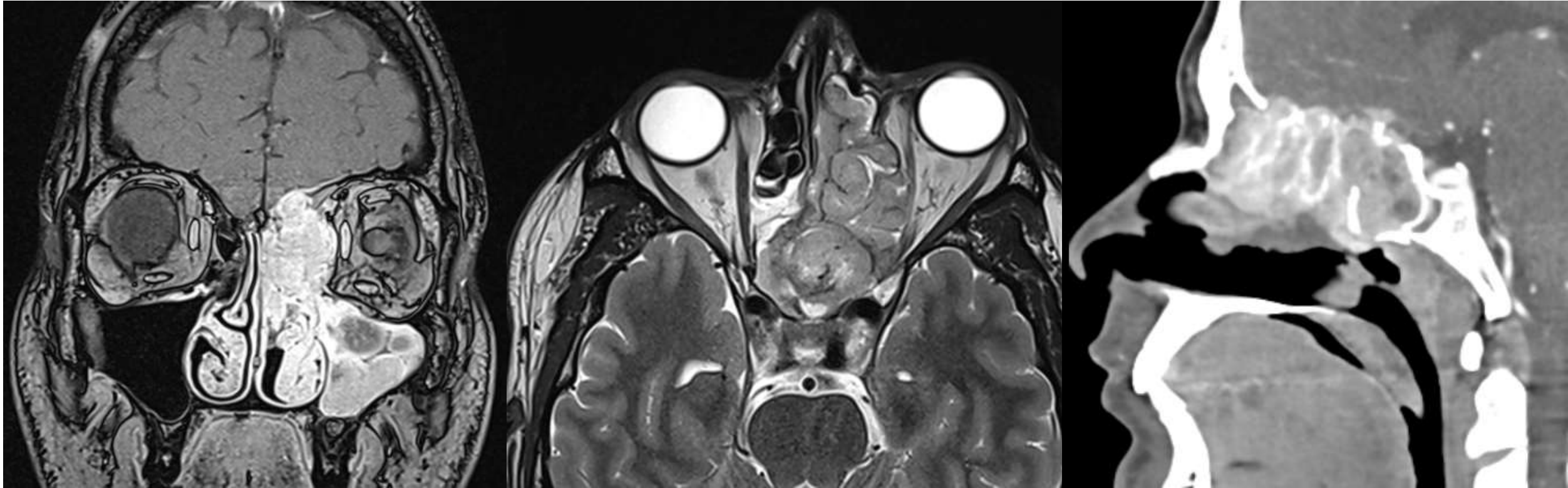


# Open Approach

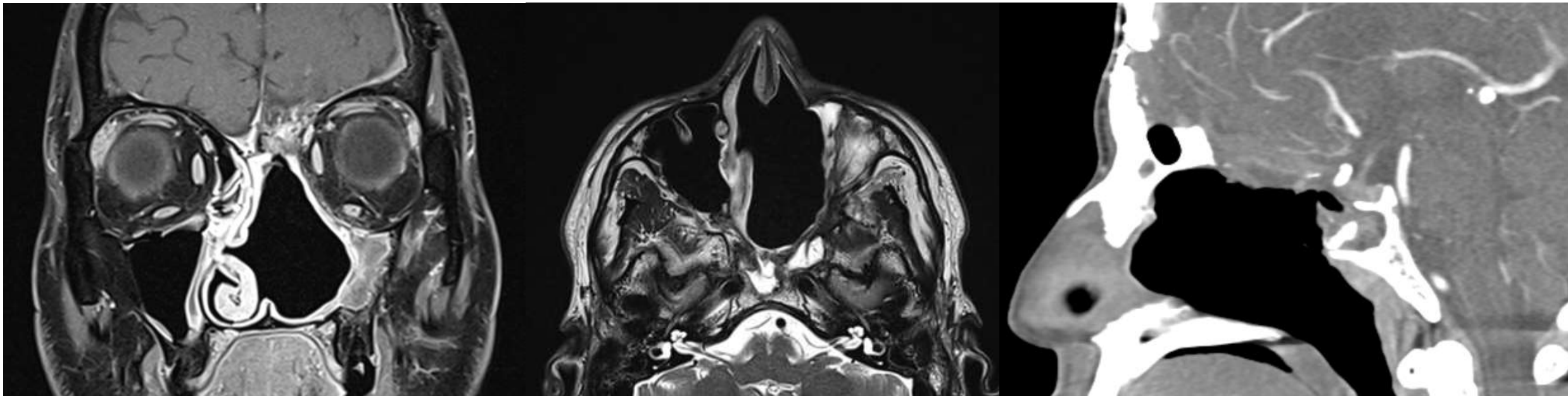
- Cranioasial resection: (Lateral rhinotomy + craniotomy)



# Cranionasal resection

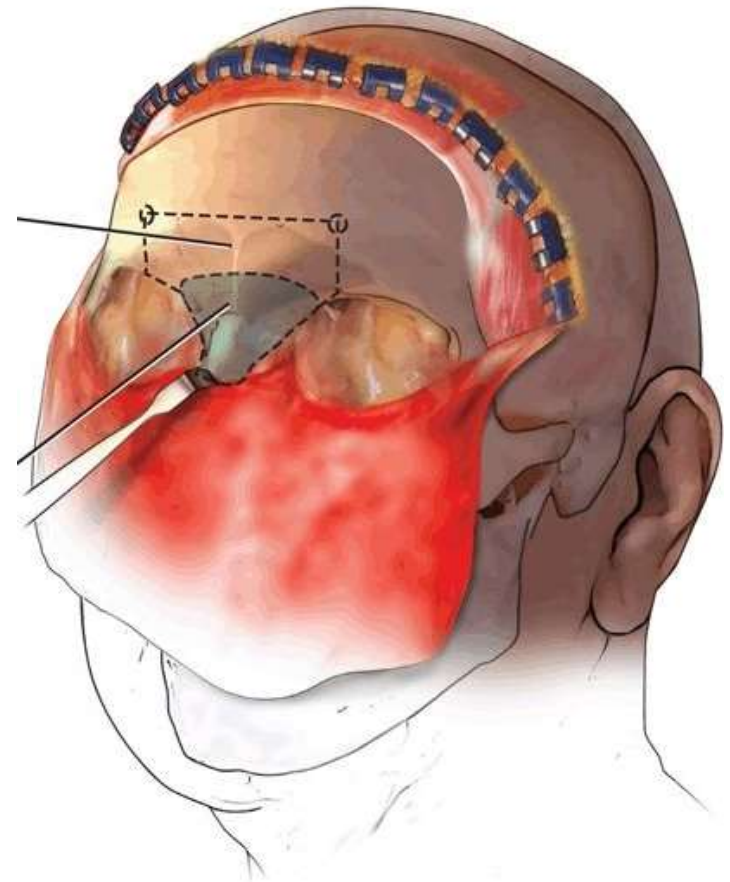
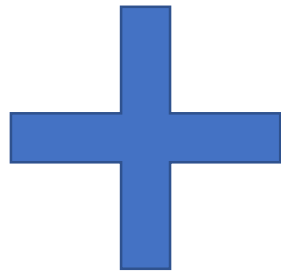
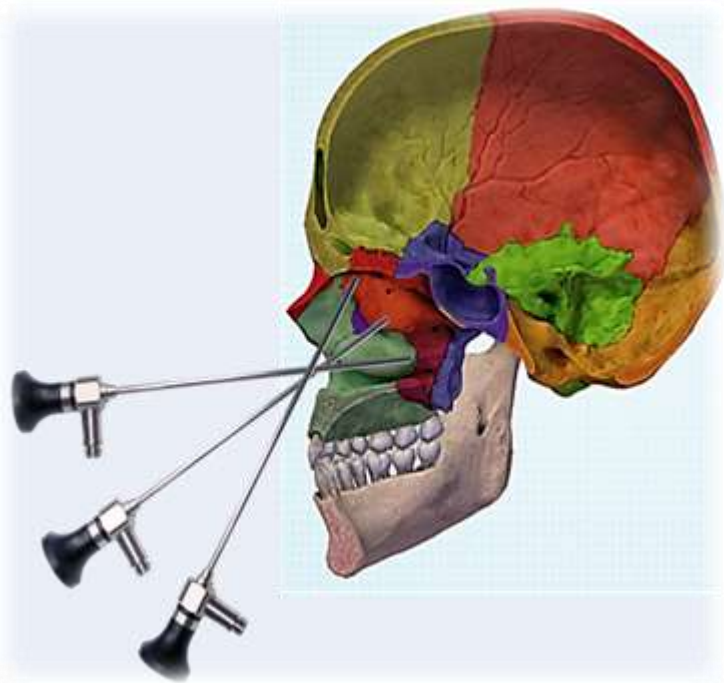


# Cranionasal resection

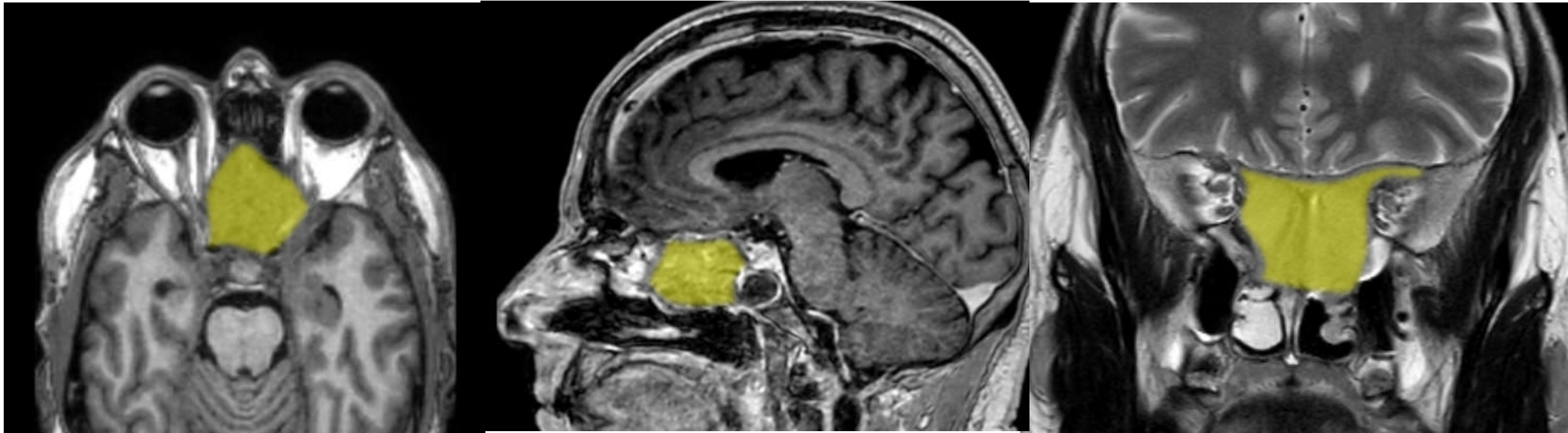


# Open Approach

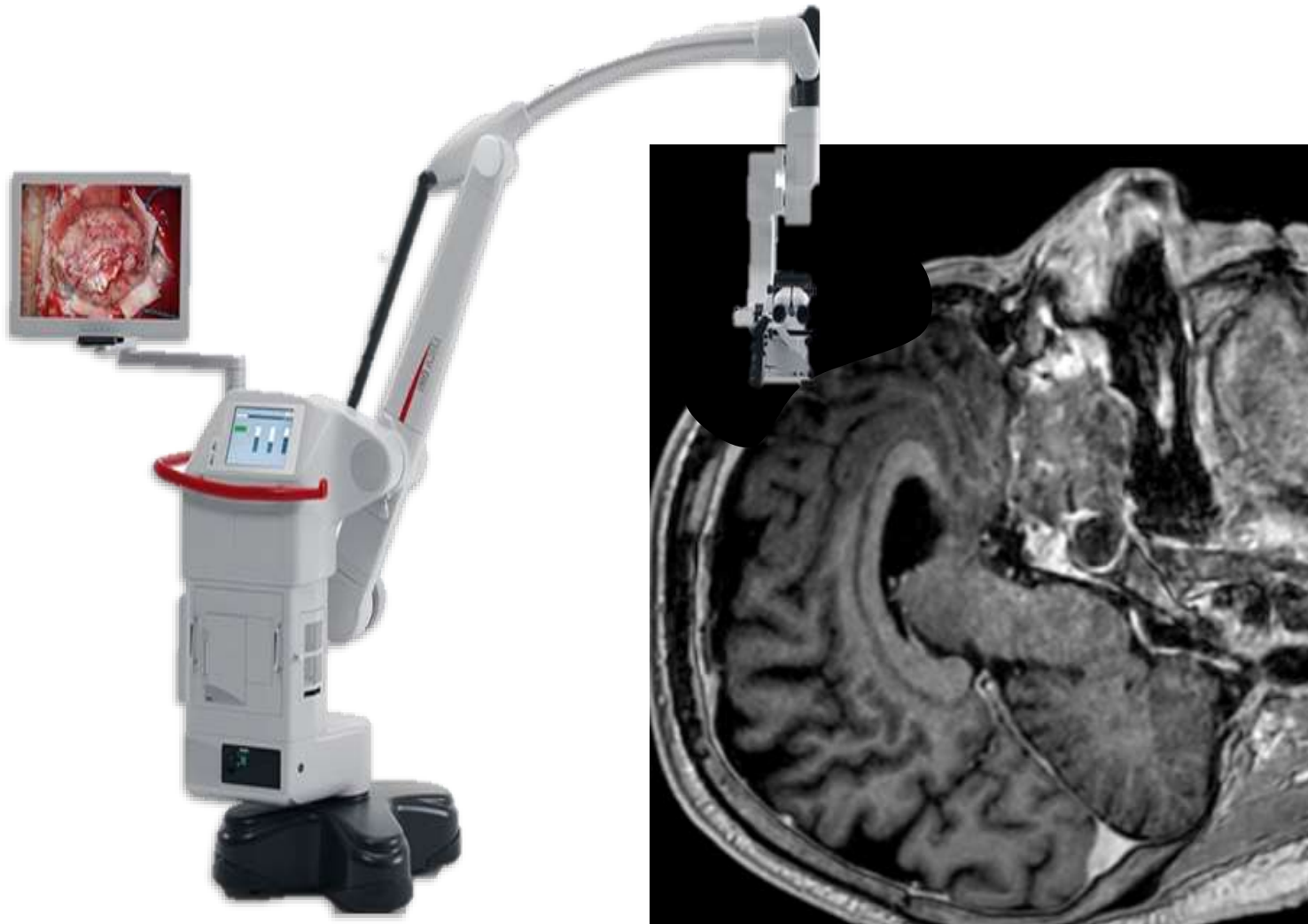
- Cranionasal resection: (Endoskopisk+ craniotomy)



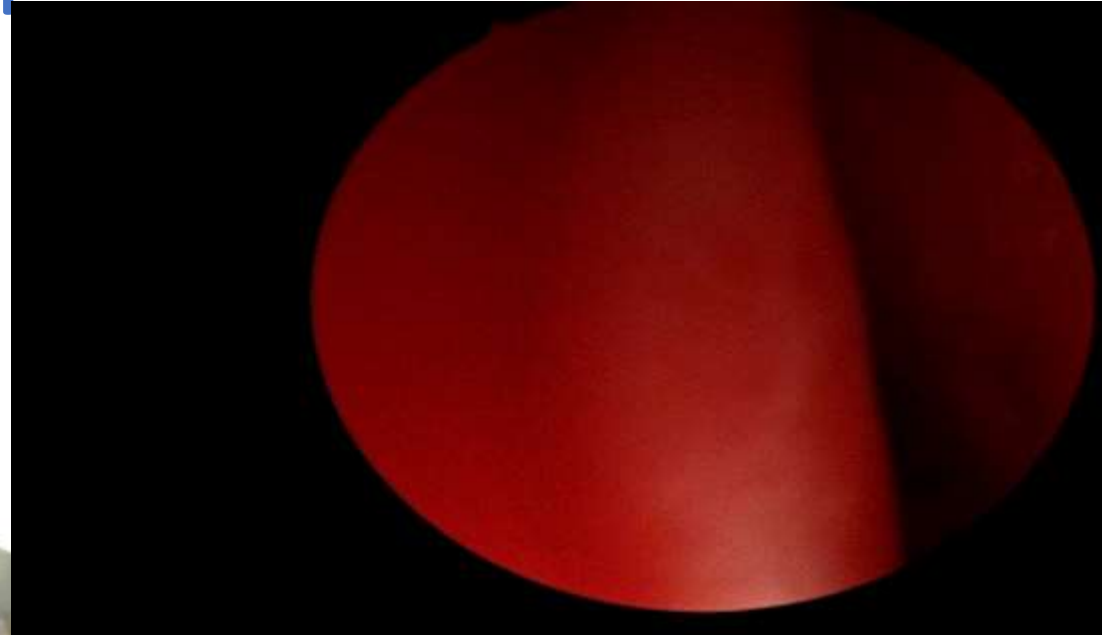
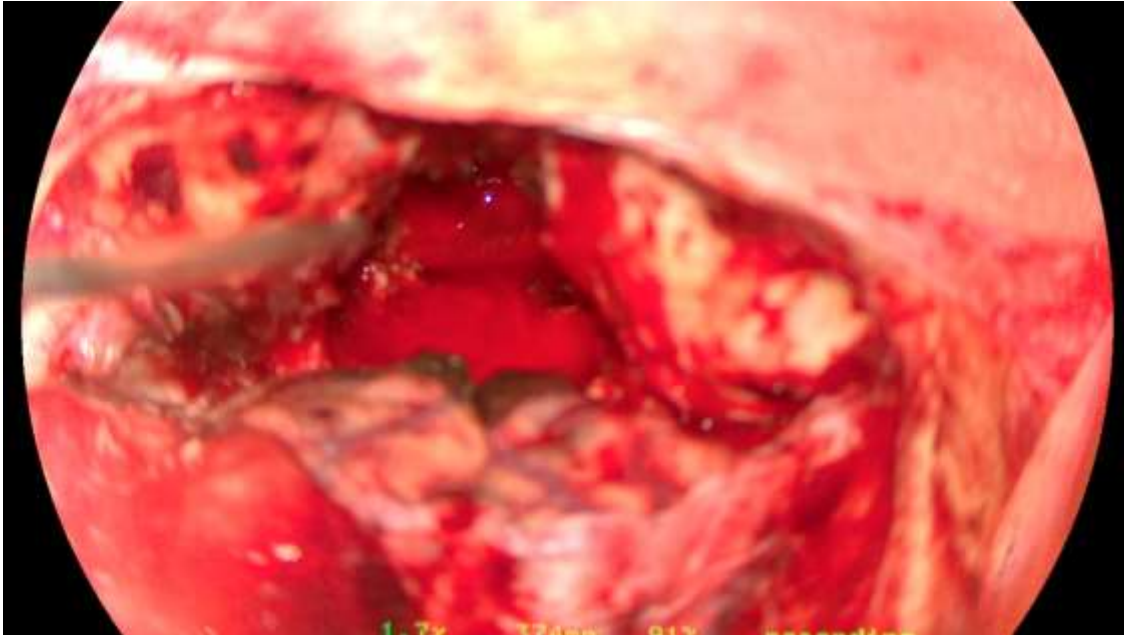
# Combined approach



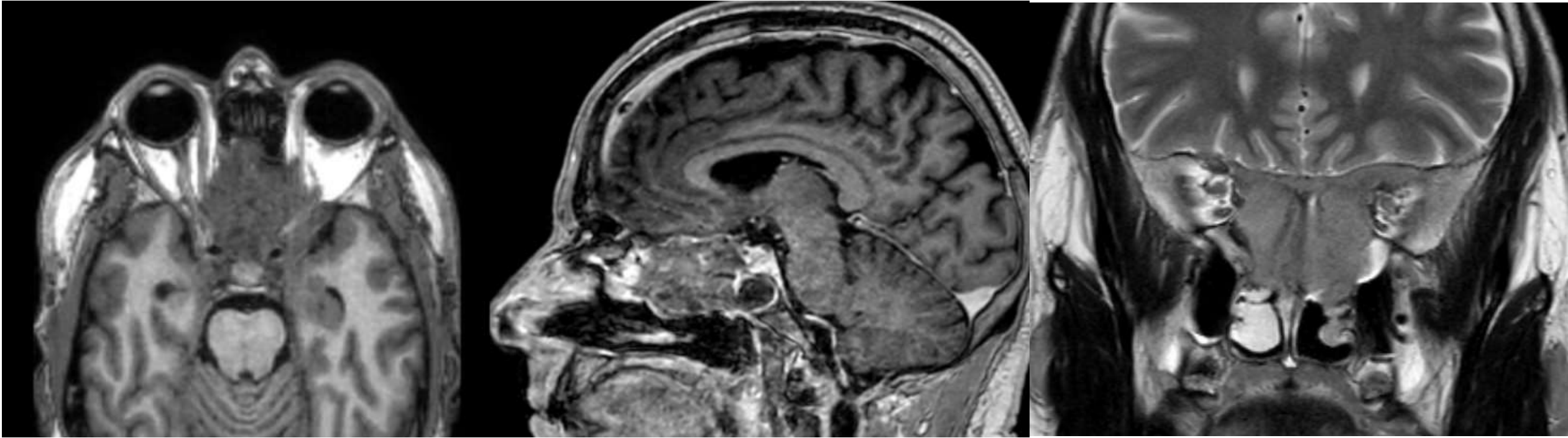
# Combined approach



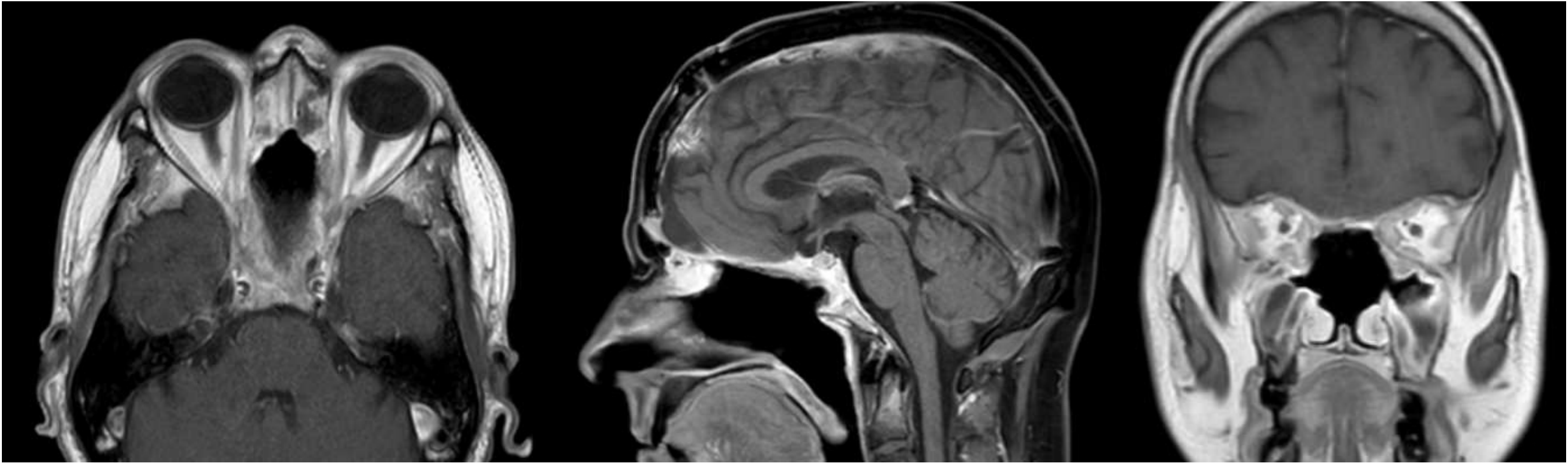
# Combined approach



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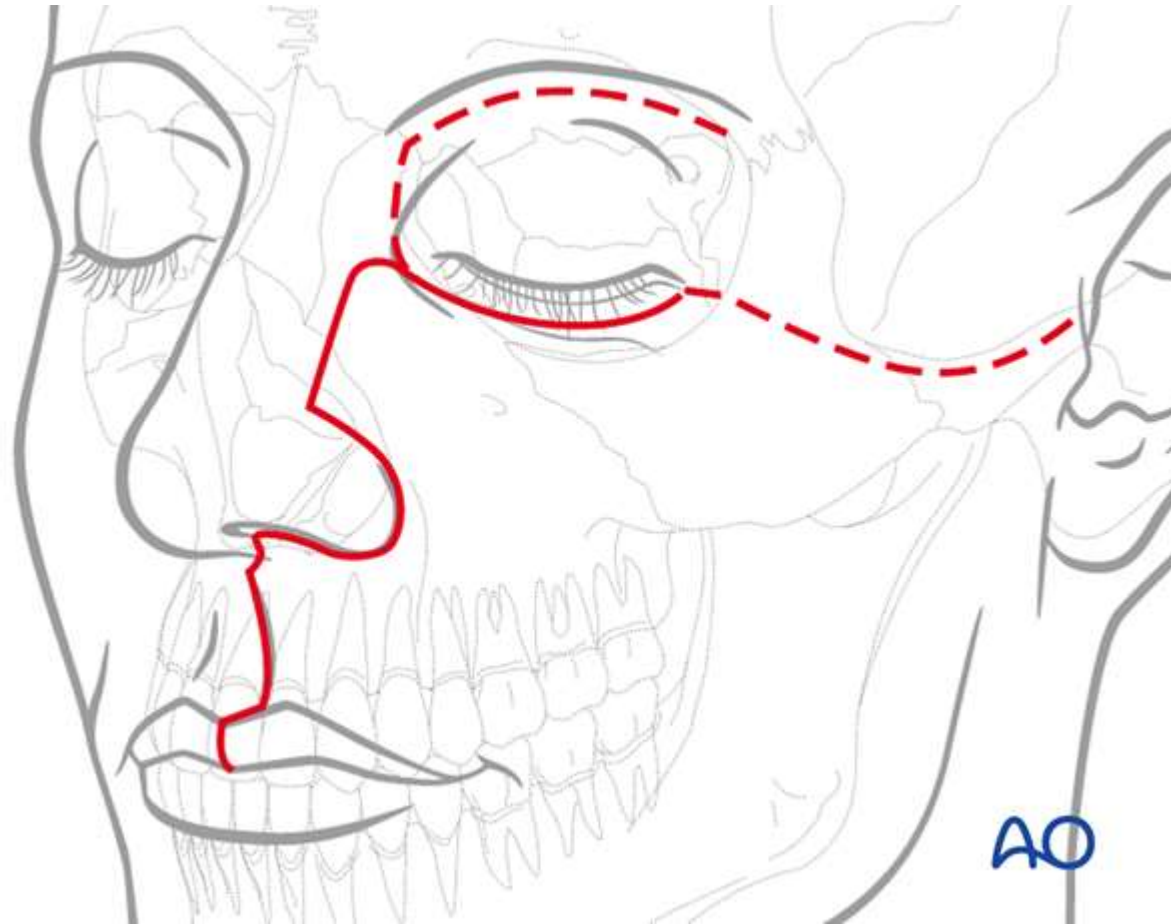


# Combined approach



# Open Approach

- Weber-Ferguson appro



TAKK