

# ***Transnasal orbitakirurgi***

Sinan Dheyauldeen

ØNH afdelingen



# Transnasal

- Tåreveisoperasjon
- Orbitadekomresjon
  - Orbitatumor

# Transnasal Tåreveisoperasjon



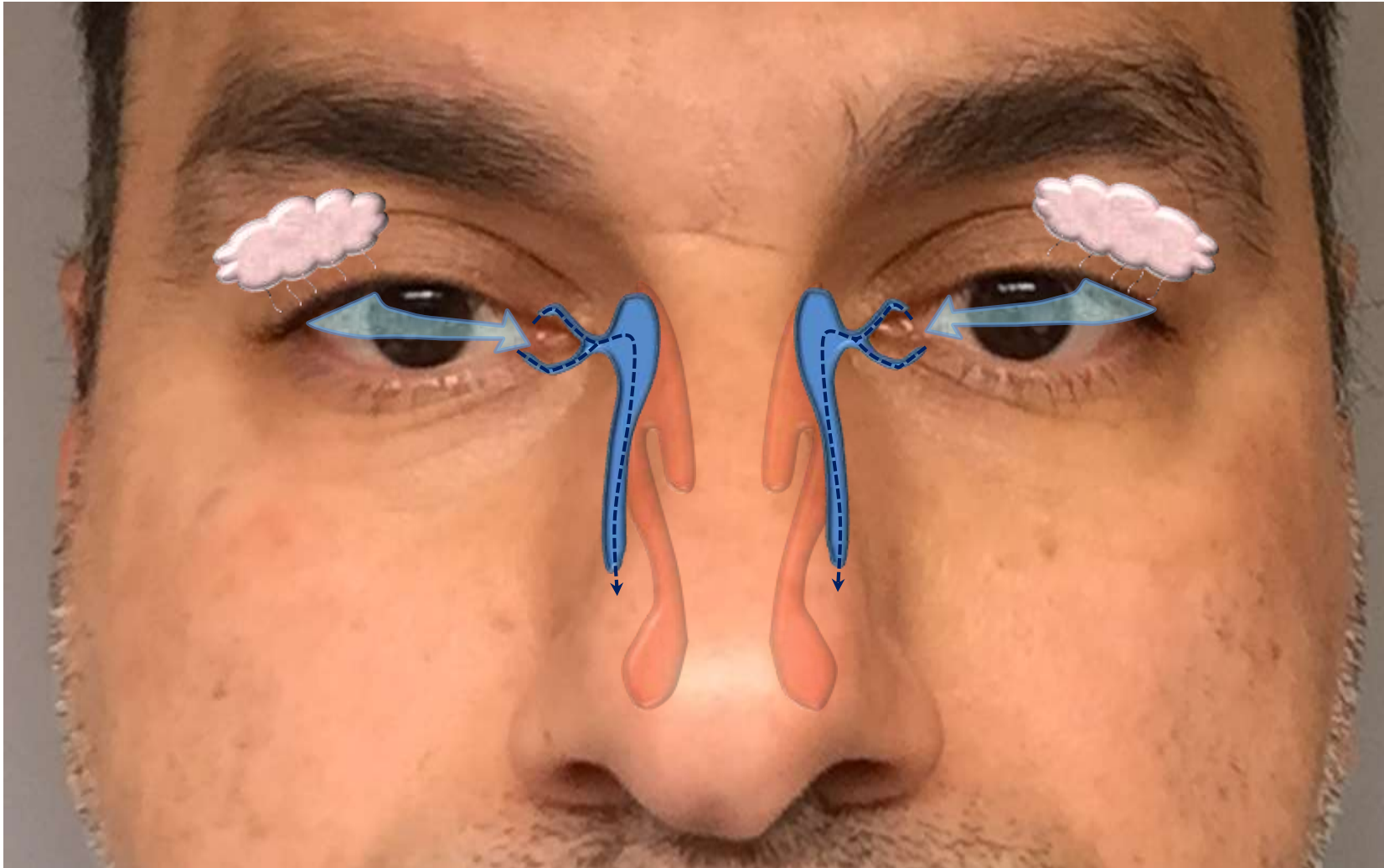
# Anatomi



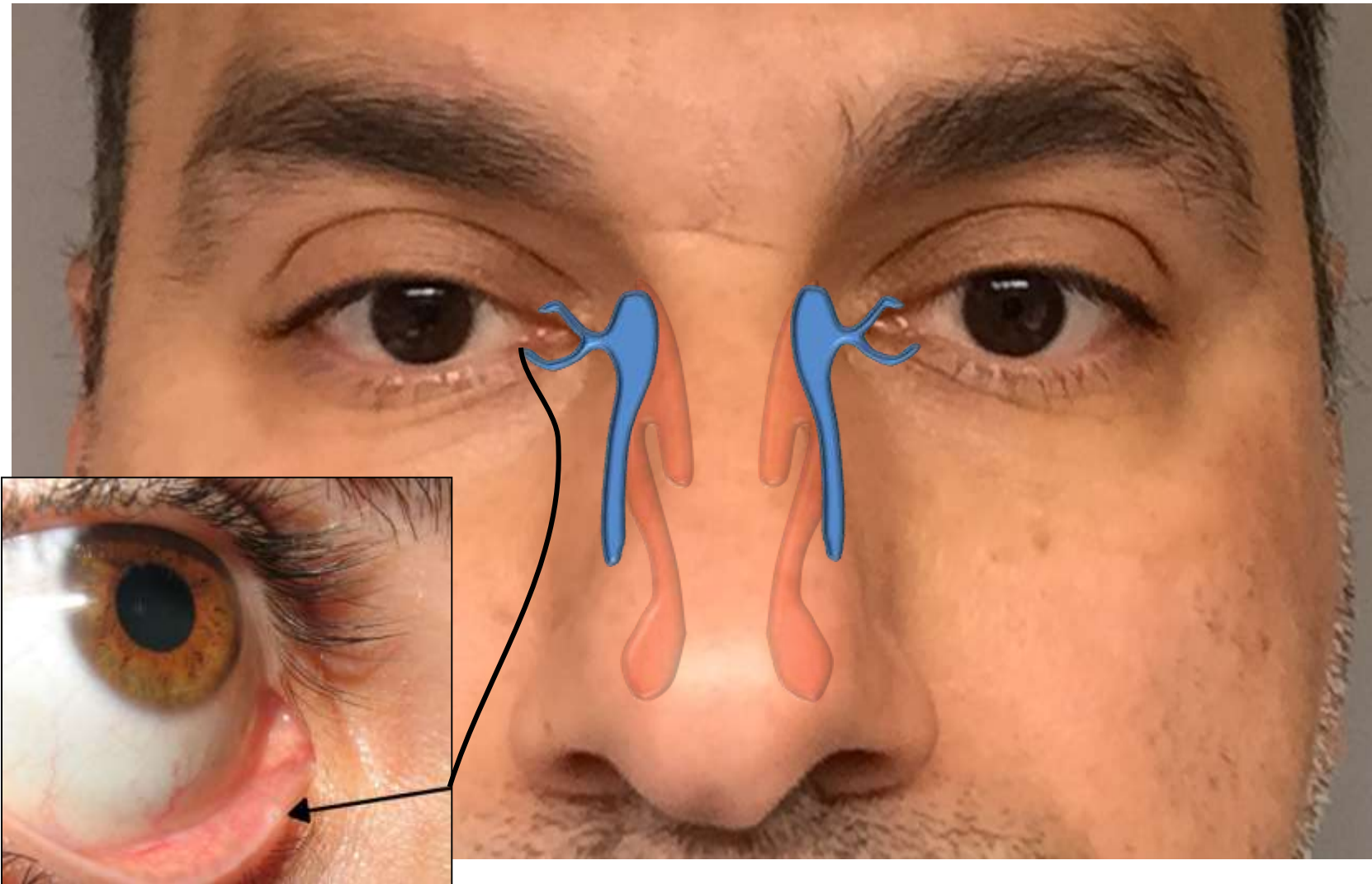
# Anatomi



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# CT



# Årsak til tåre vei stenose

# Årsak til tåre vei stenose

- Medfødt



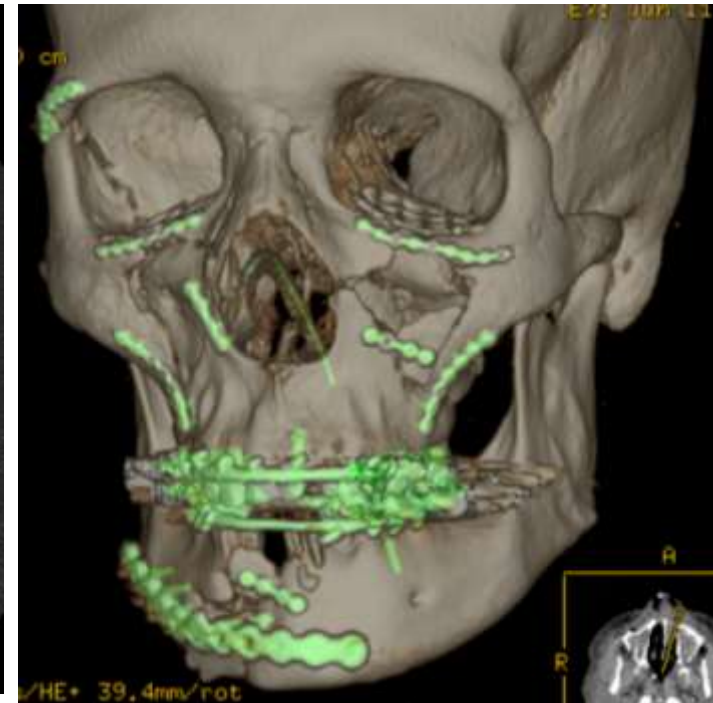
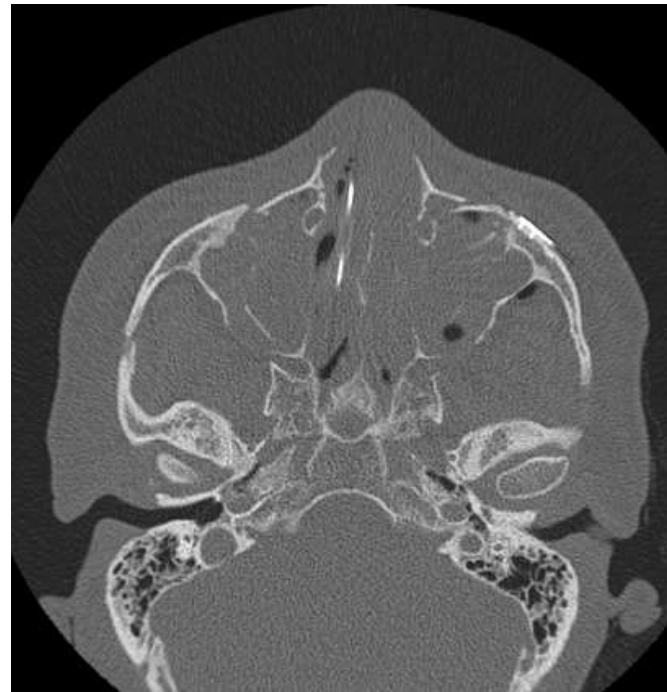
Hø side medfødt  
tåreveisstenose



Bilateral medfødt  
tåreveisatresi

# Årsak til tåre vei stenose

- Medfødt
- Skader



# Årsak til tåre vei stenose

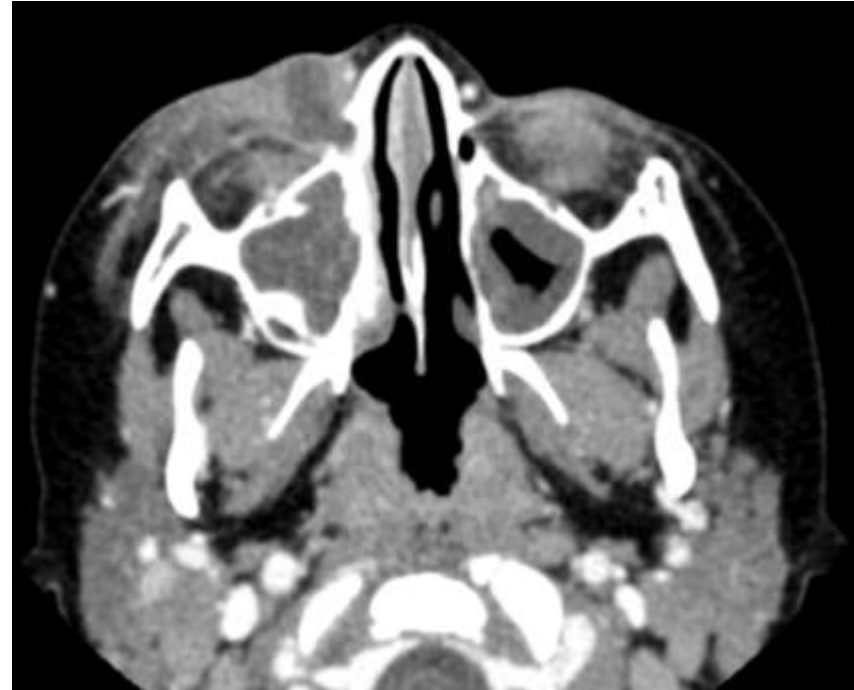
- Medfødt
- Skader



Iatrogen skade (ve side)

# Årsak til tåre vei stenose

- Medfødt
- Skader
- Infeksjon



# Årsak til tåre vei stenose

- Medfødt
- Skader
- Infeksjon
- **Medikament**



# Årsak til tåre vei stenose

- Medfødt
- Skader
- Infeksjon
- Medikament
- Tumor



# Årsak til tåre vei stenose

- Medfødt
- Skader
- Infeksjon
- Medikament
- Tumor
- Svekket pumpefunksjon

# Årsak til tåre vei stenose

- Medfødt
- Skader
- Infeksjon
- Medikament
- Tumor
- Svekket pumpefunksjon

# Syptomer

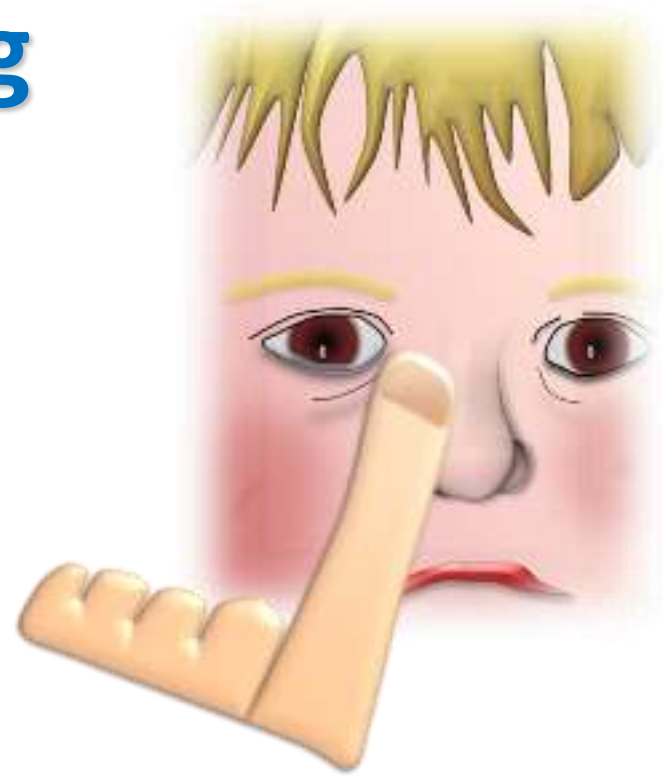


Epiphora



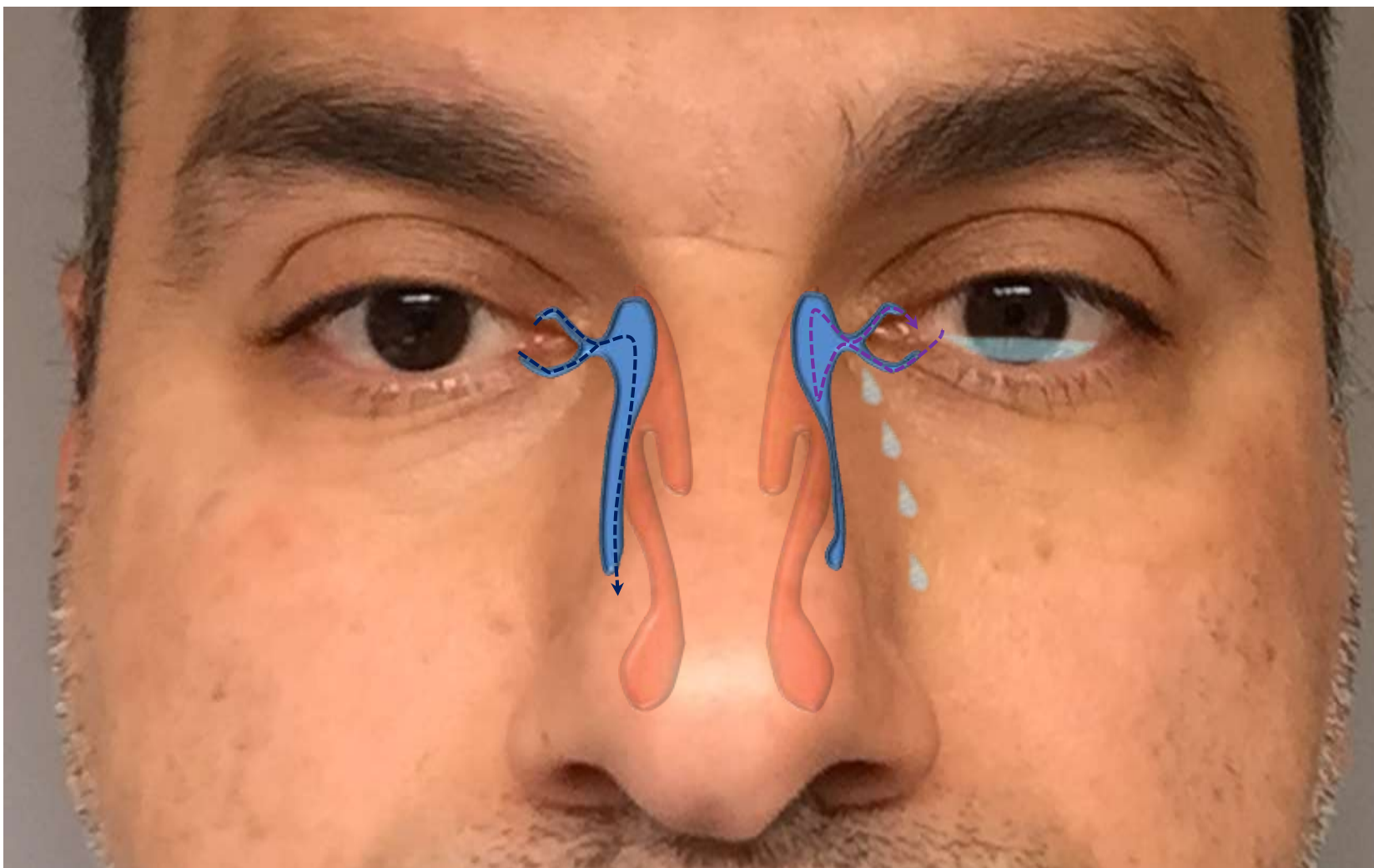
Dacreycystitt

# Behandling

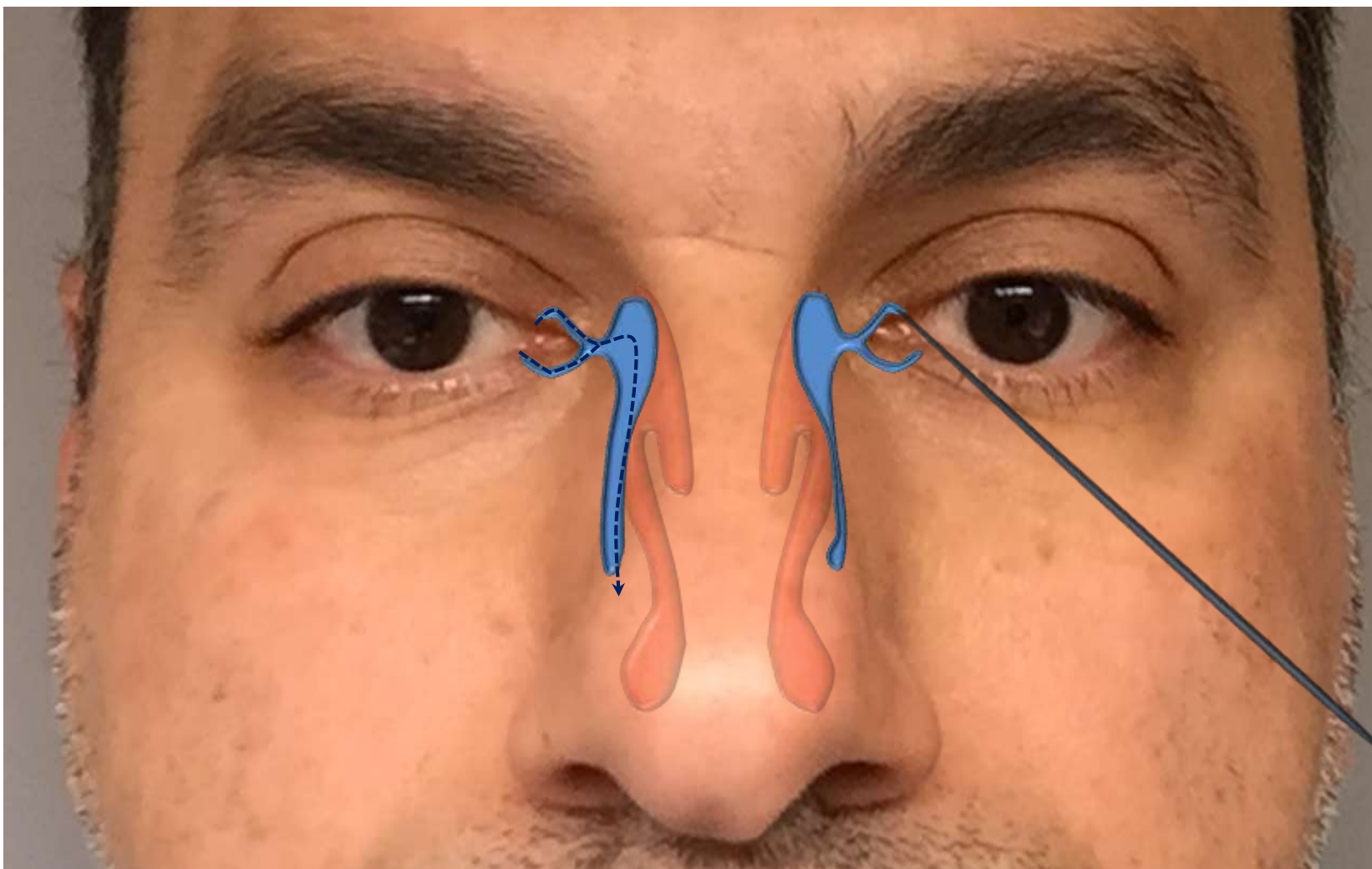


- **Konservative behandlinger**
  - Massasje
  - Varme kompresjon
  - Antibiotika
  - Sondring
- **Kirurgi**
  - Sondring  $\pm$  dren
  - Dacryocystorhinostomi DCR  $\pm$  dren
  - Conjunctivodacryocystorhinostomi (CDCR)

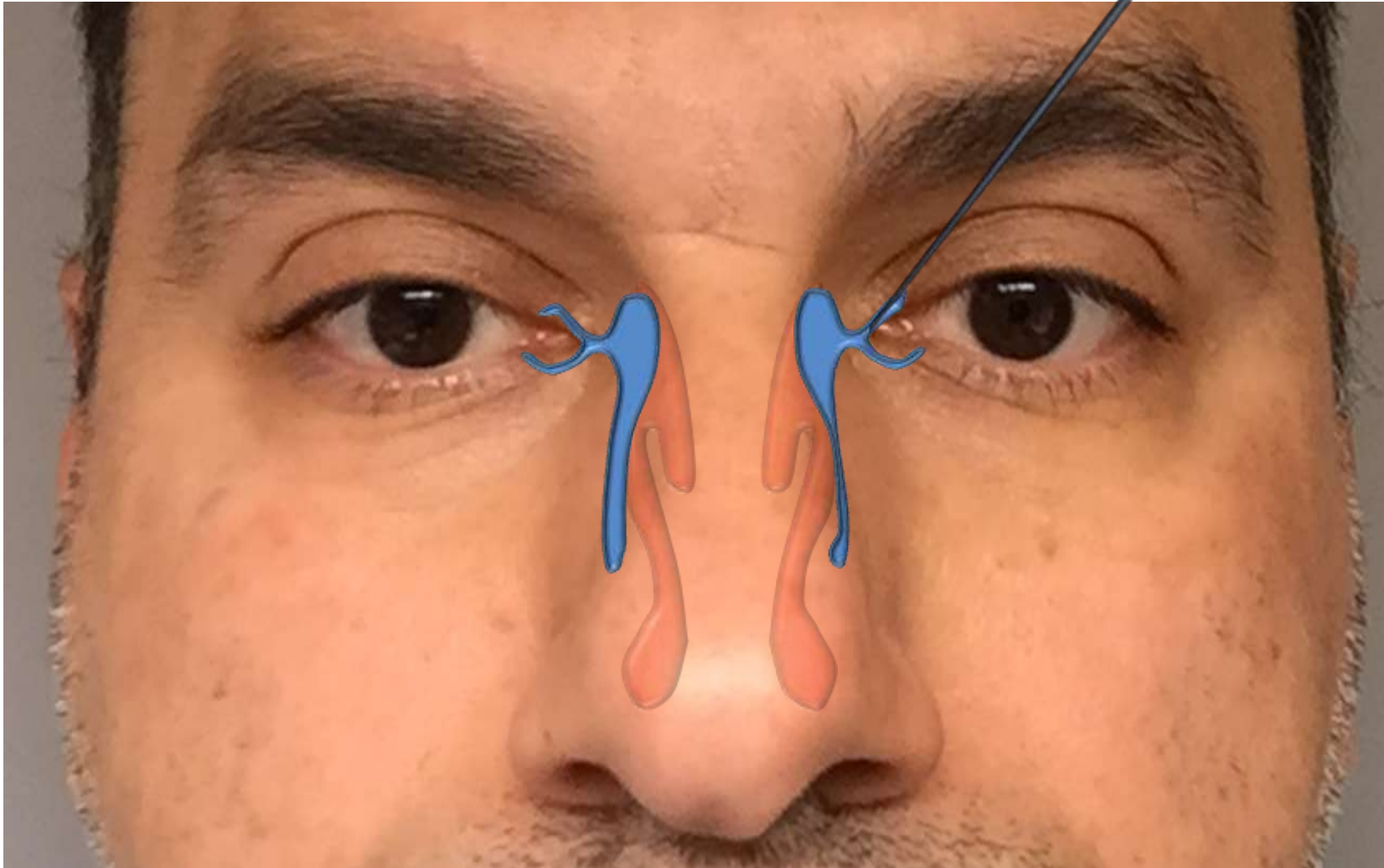
# Sondering ± Dren



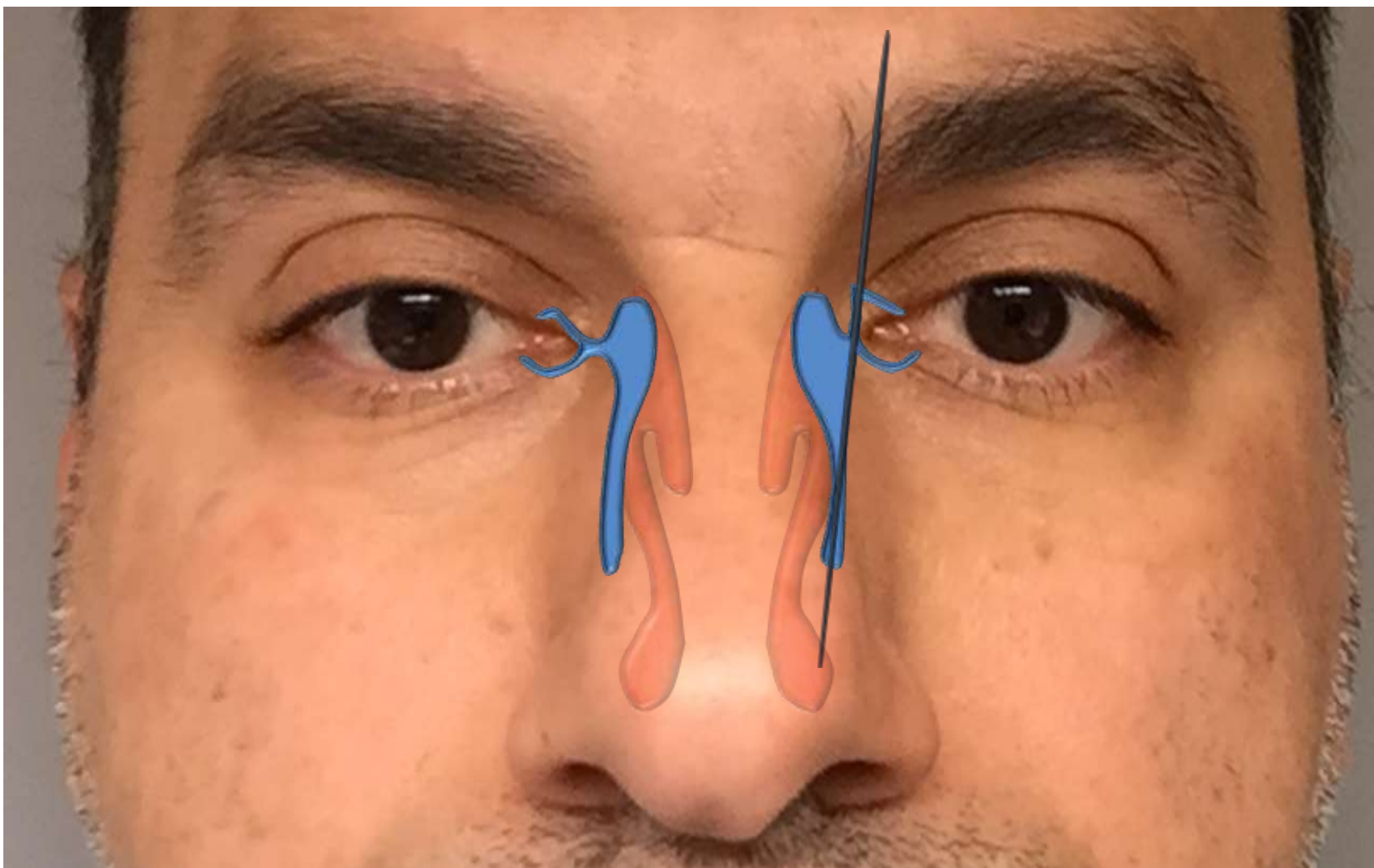
# Sondering ± Dren



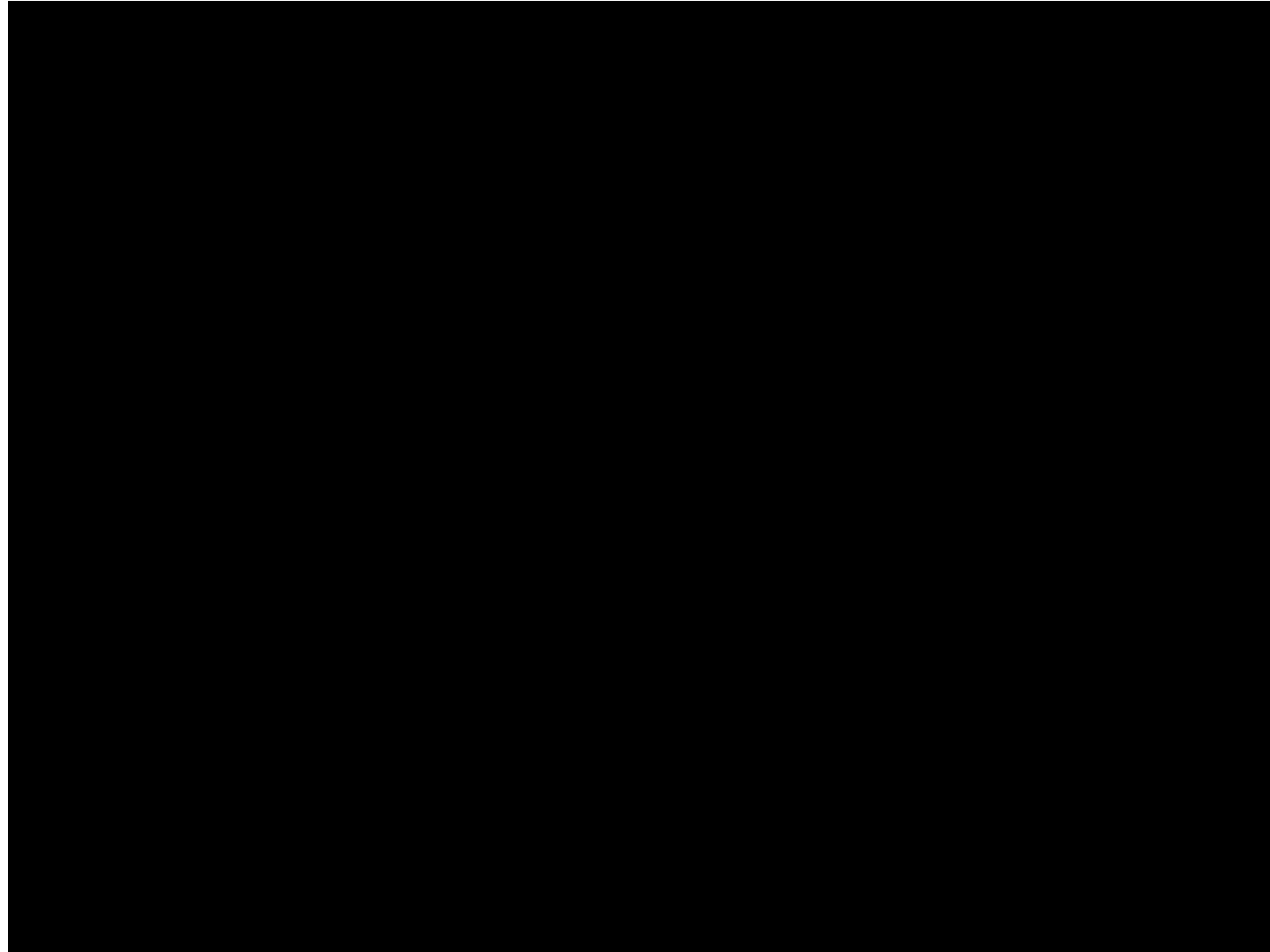
# Sondering ± Dren



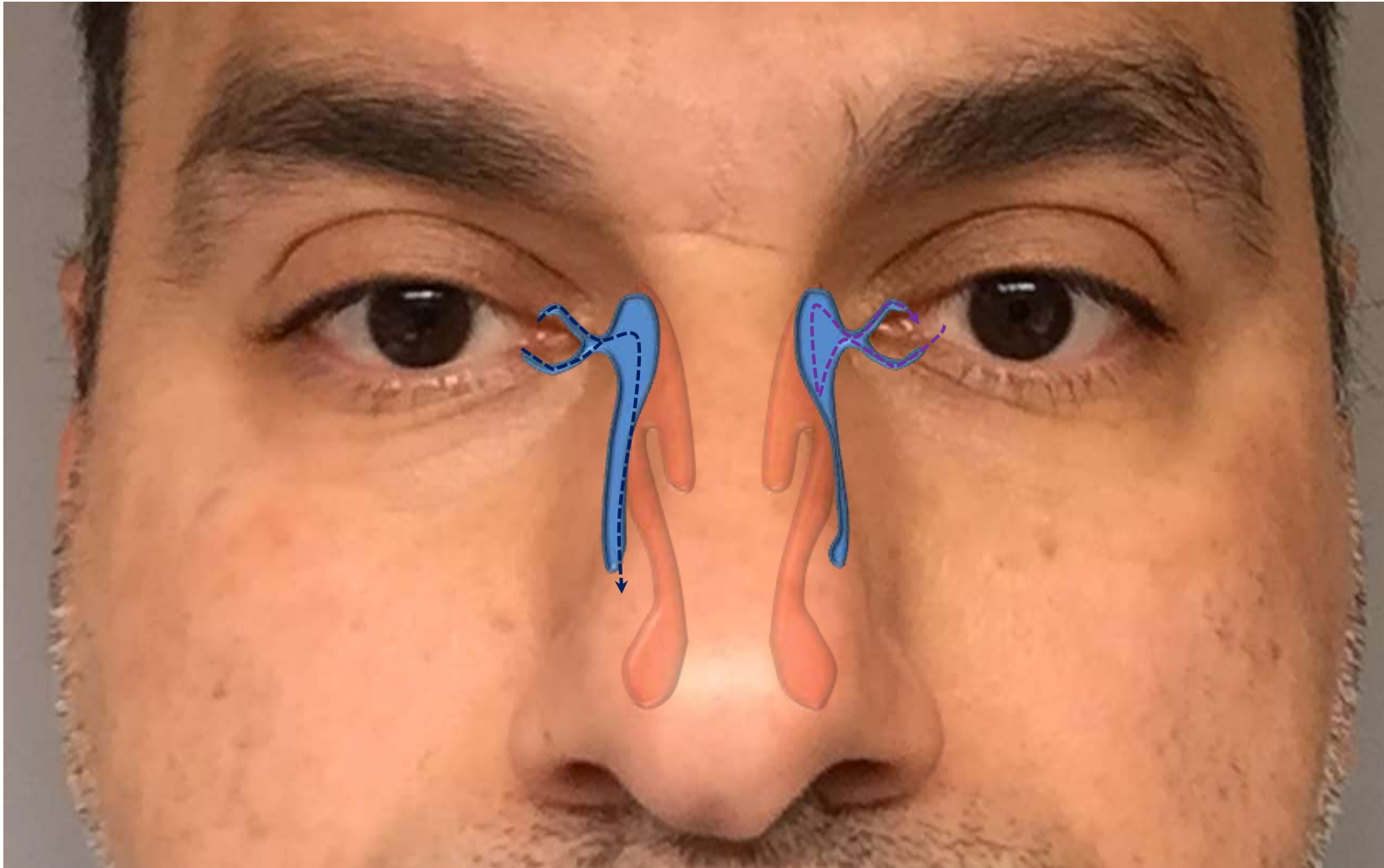
# Sondering ± Dren



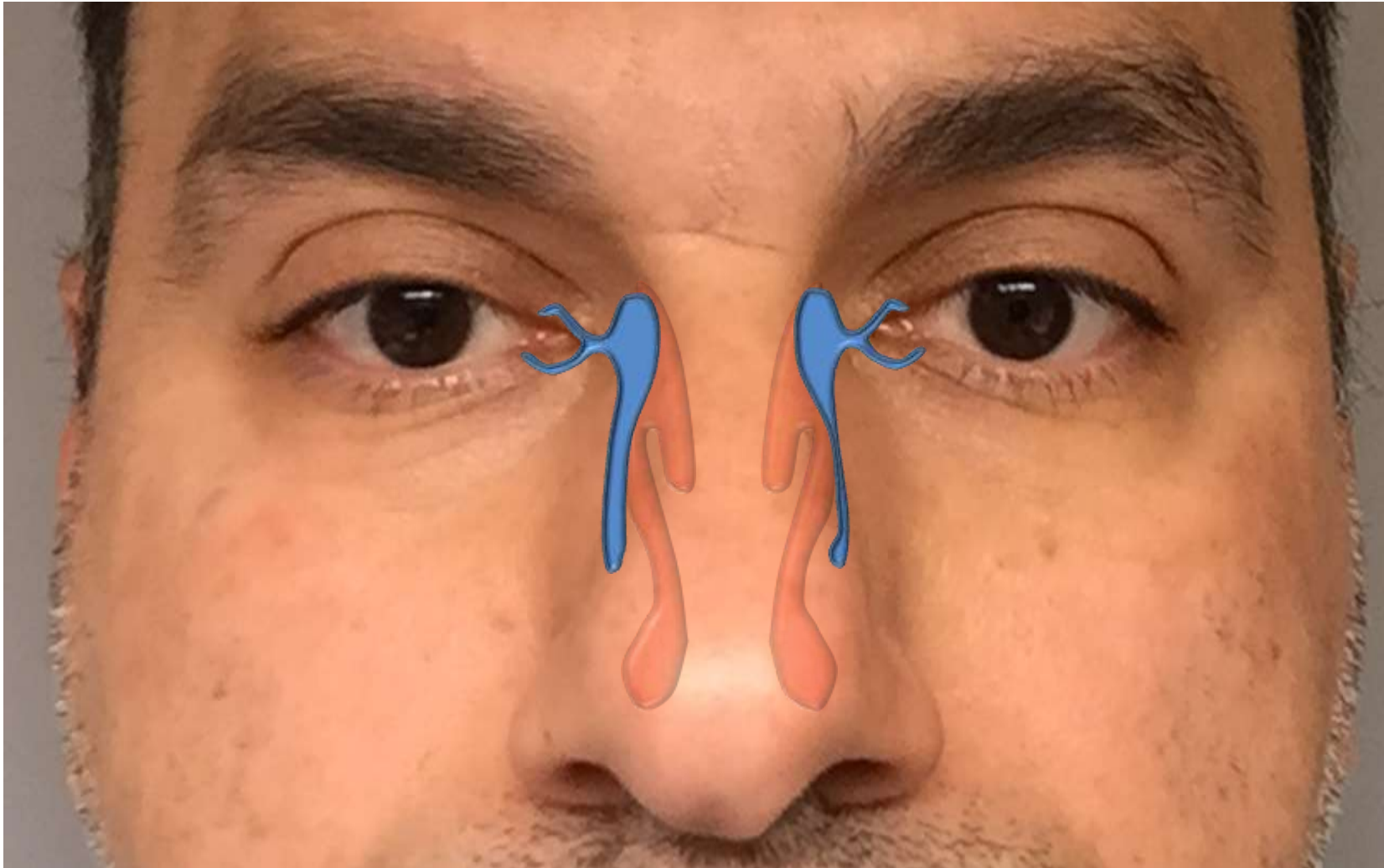
# Sondering ± Dren



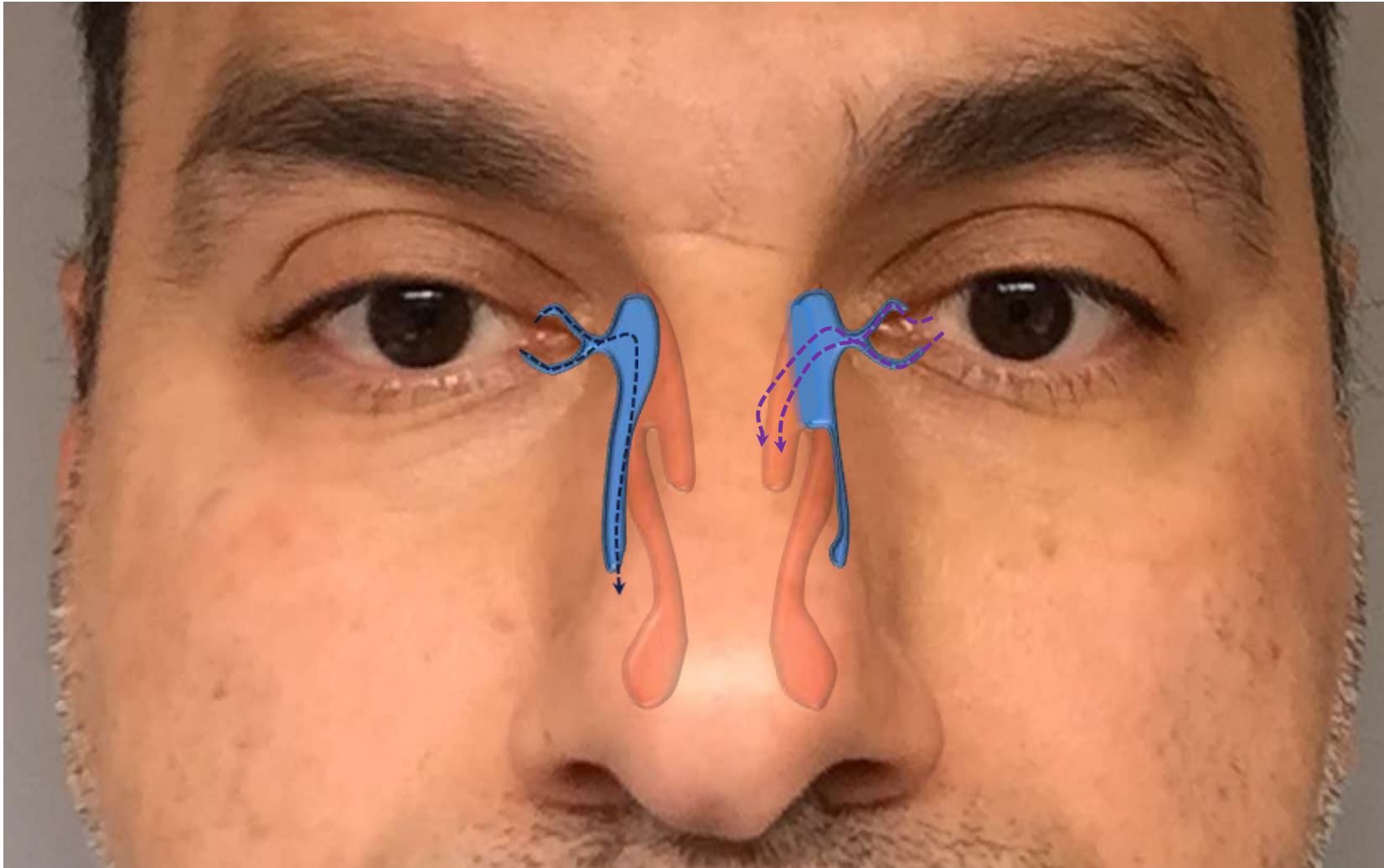
# Dacryocystorhinostomi (DCR)



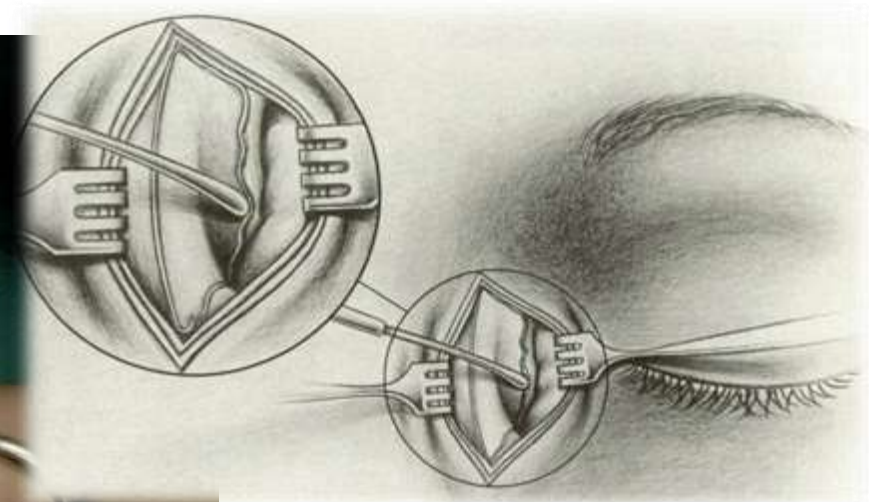
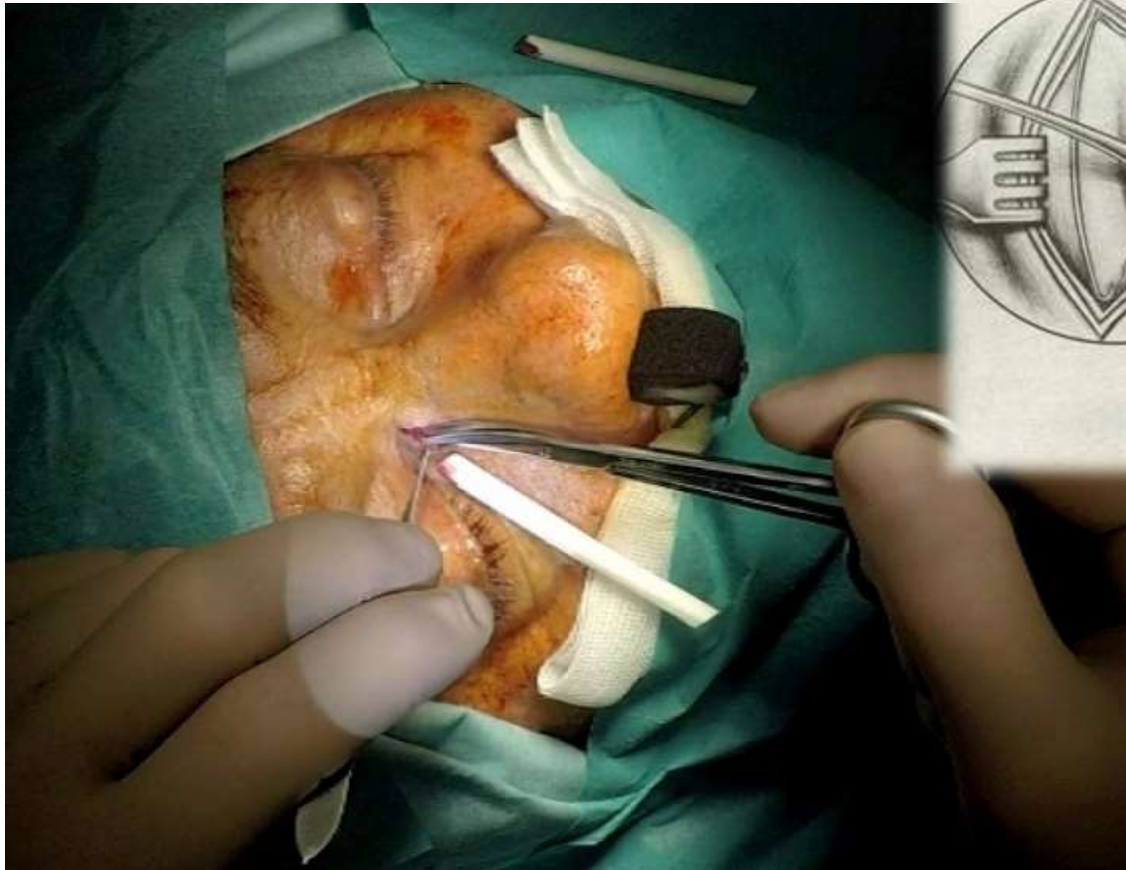
# Dacryocystorhinostomi (DCR)

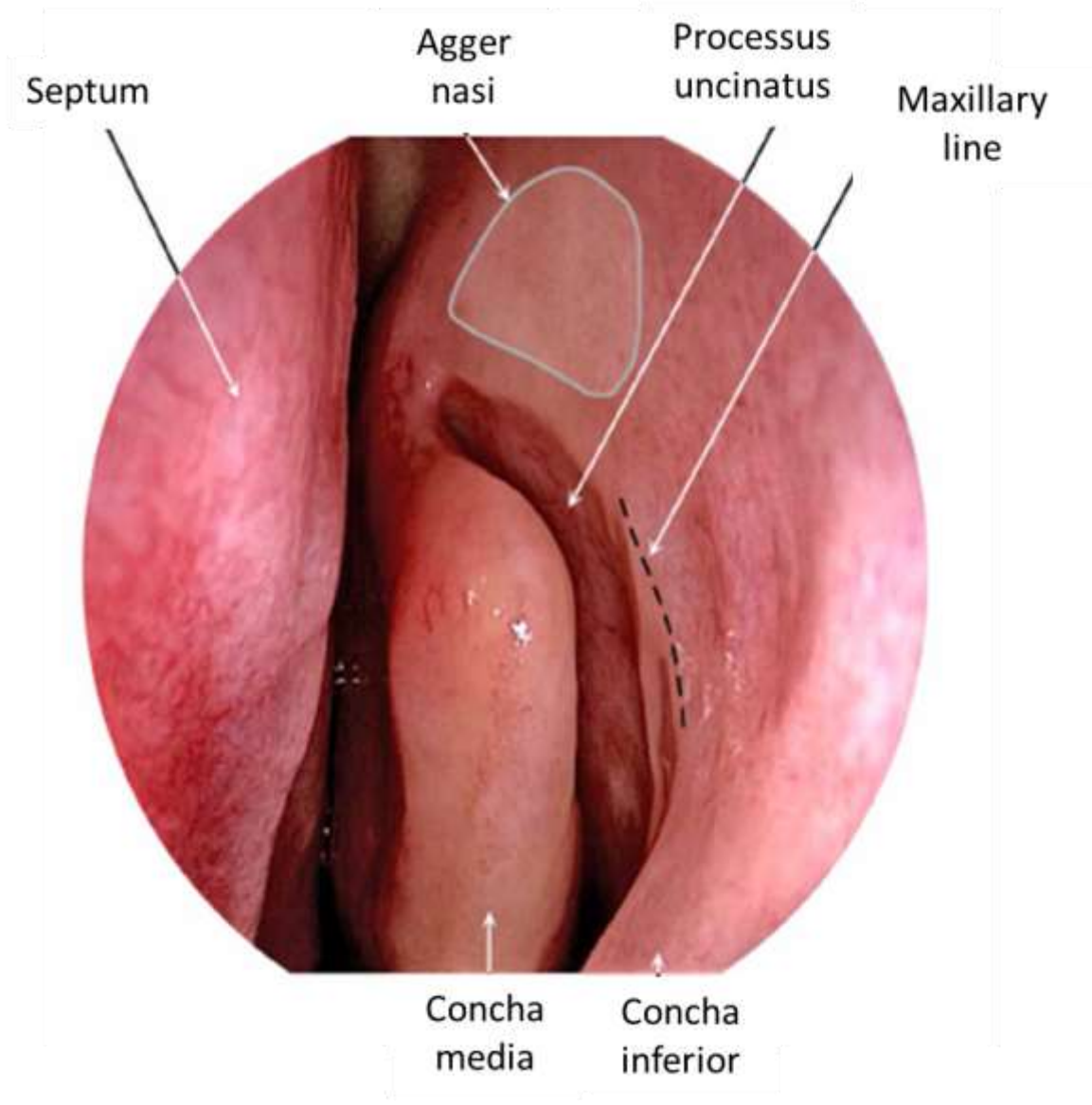


# Dacryocystorhinostomi (DCR)

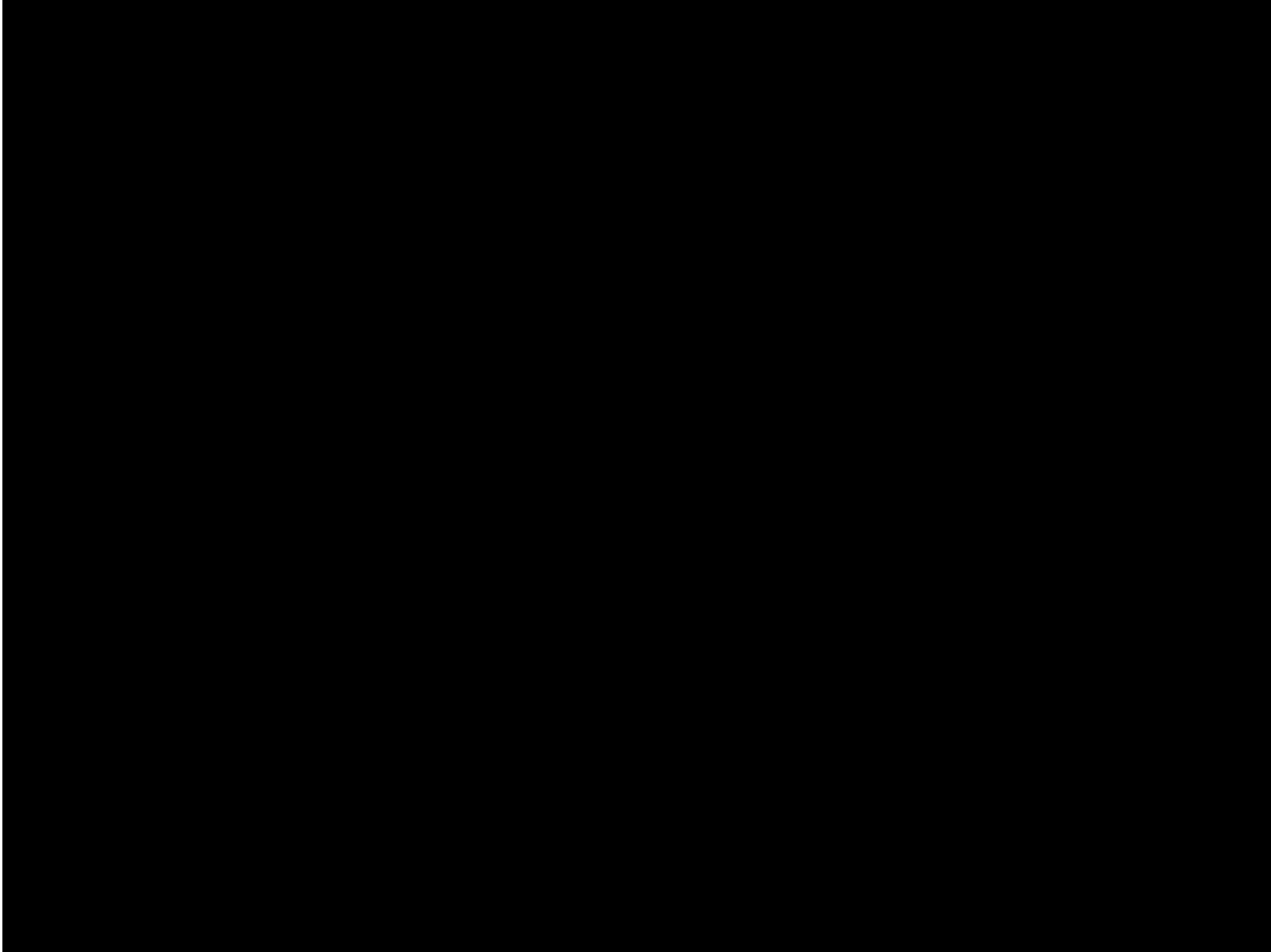


# Toti operasjon ± Dren





# Transnasal Endoscopisk DCR



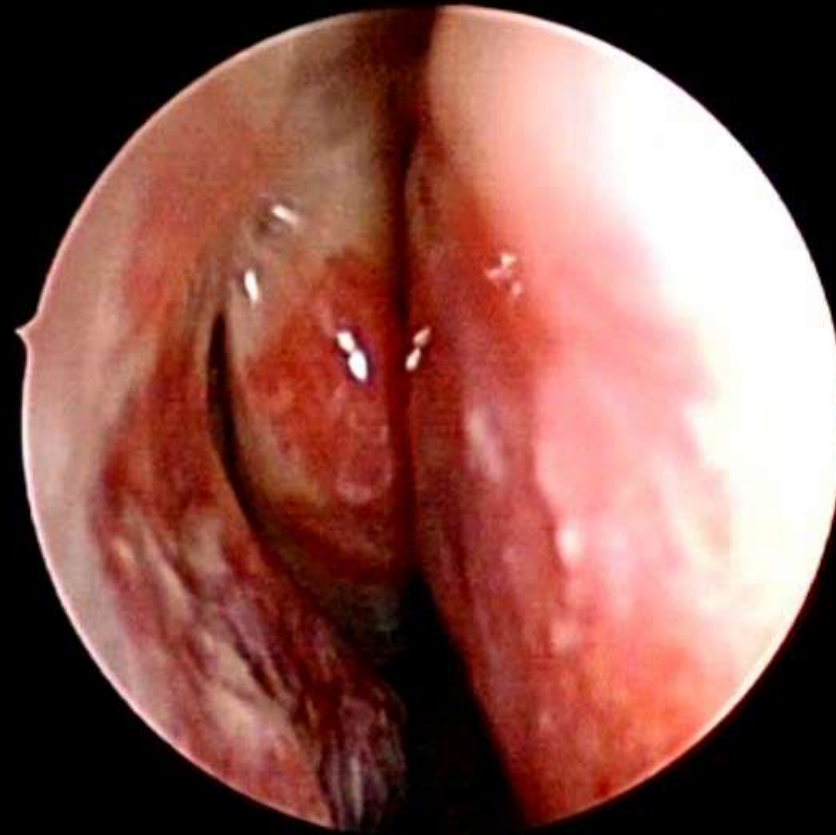
# Transnasal Endoscopisk DCR

4 mnd etter



# Transnasal Endoscopisk DCR

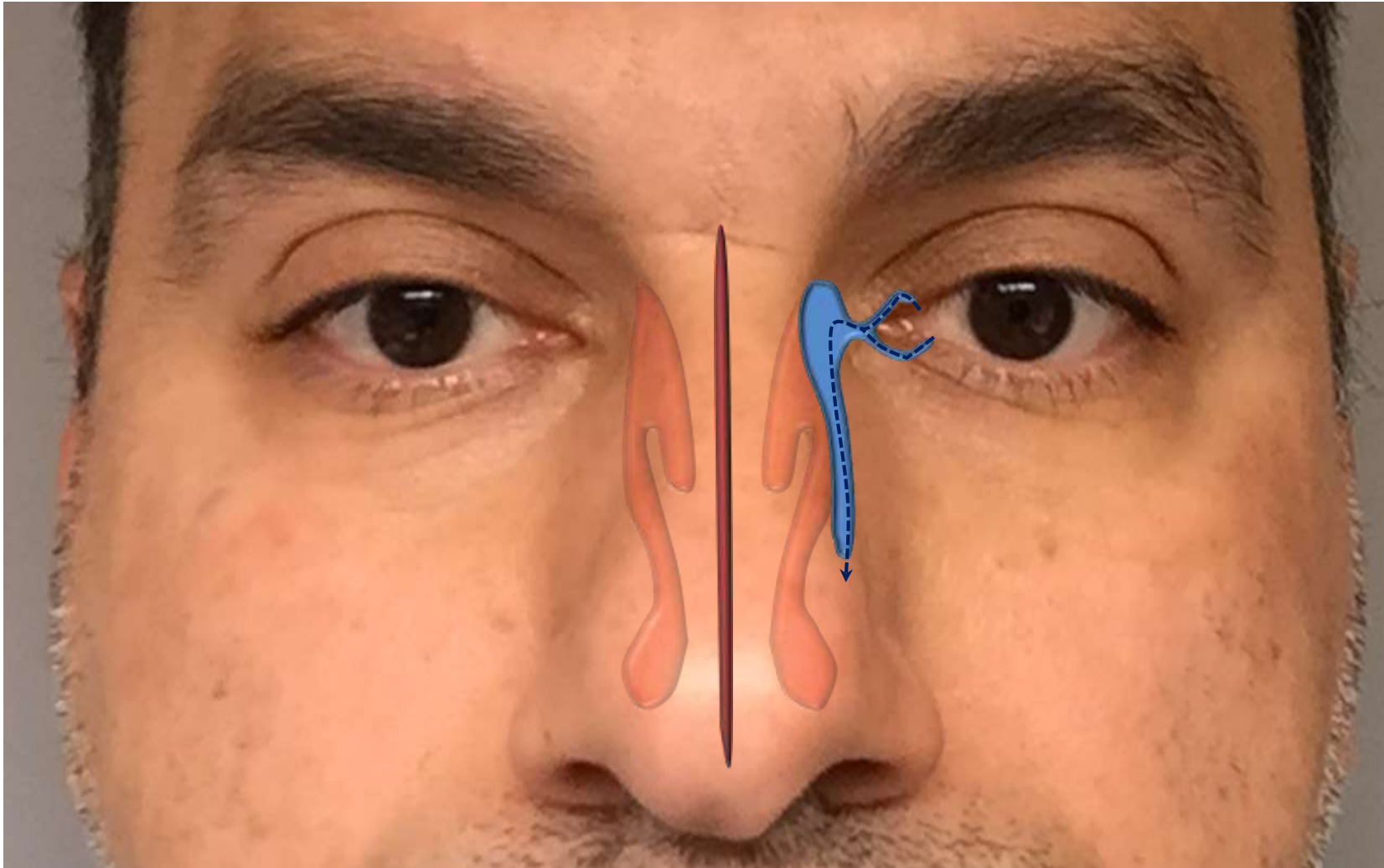
2 år senere



## Etter Hø side DCR



# Conjunctivodacryocystorhinostomi CDCR



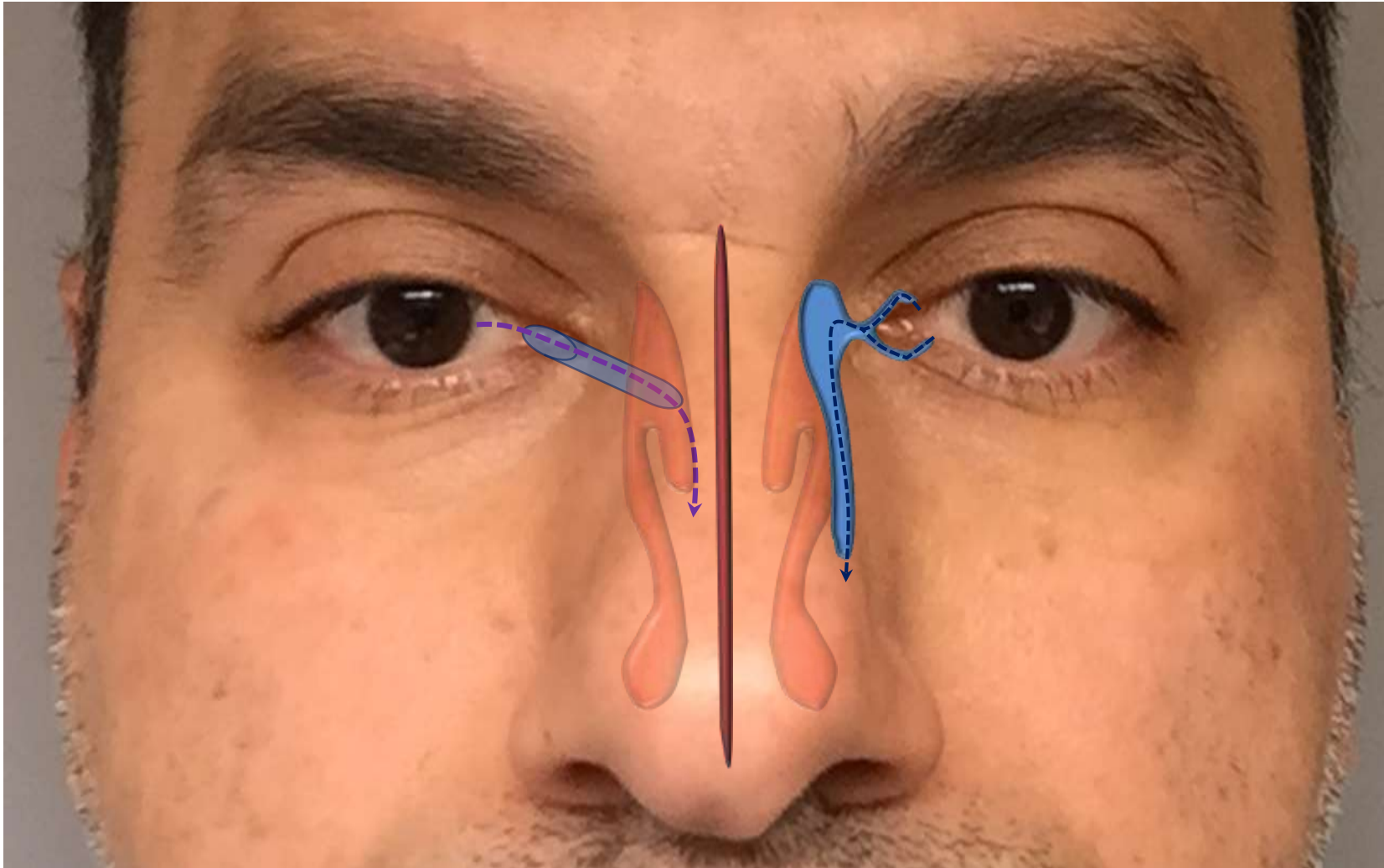
# Bihule kreft



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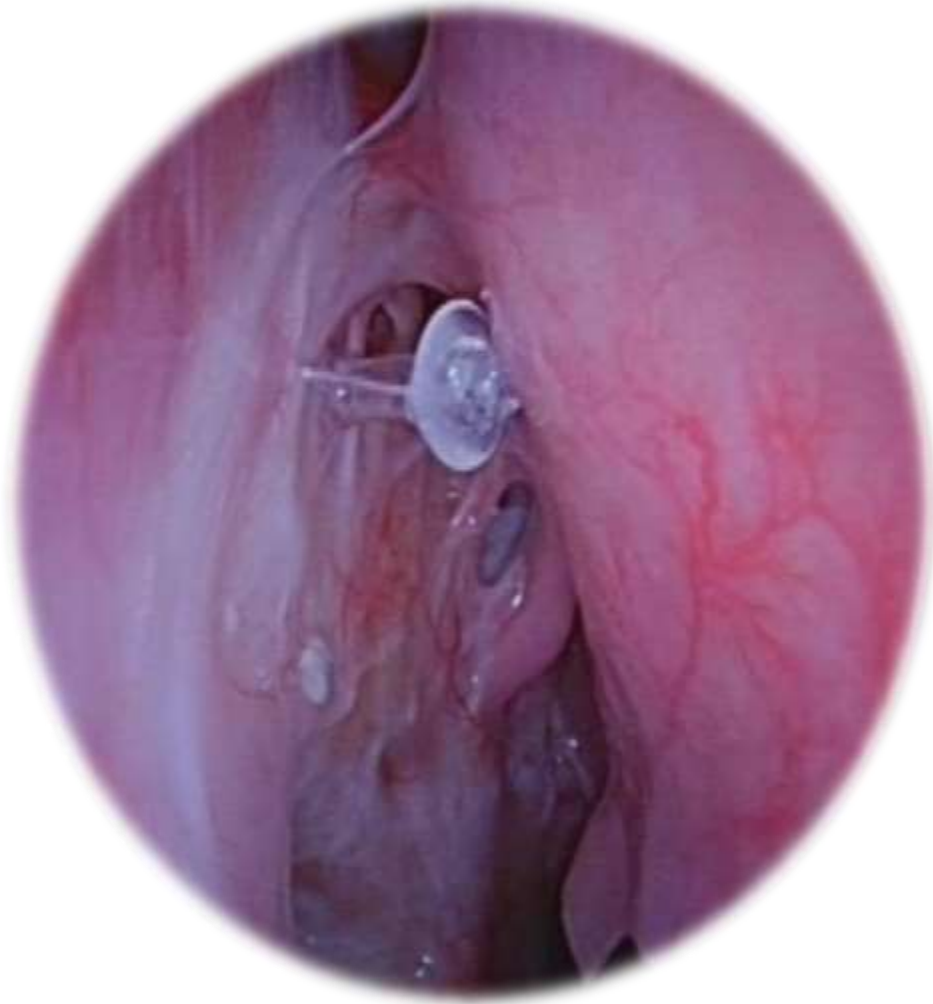
# Conjunctivodacryocystorhinostomi CDCR



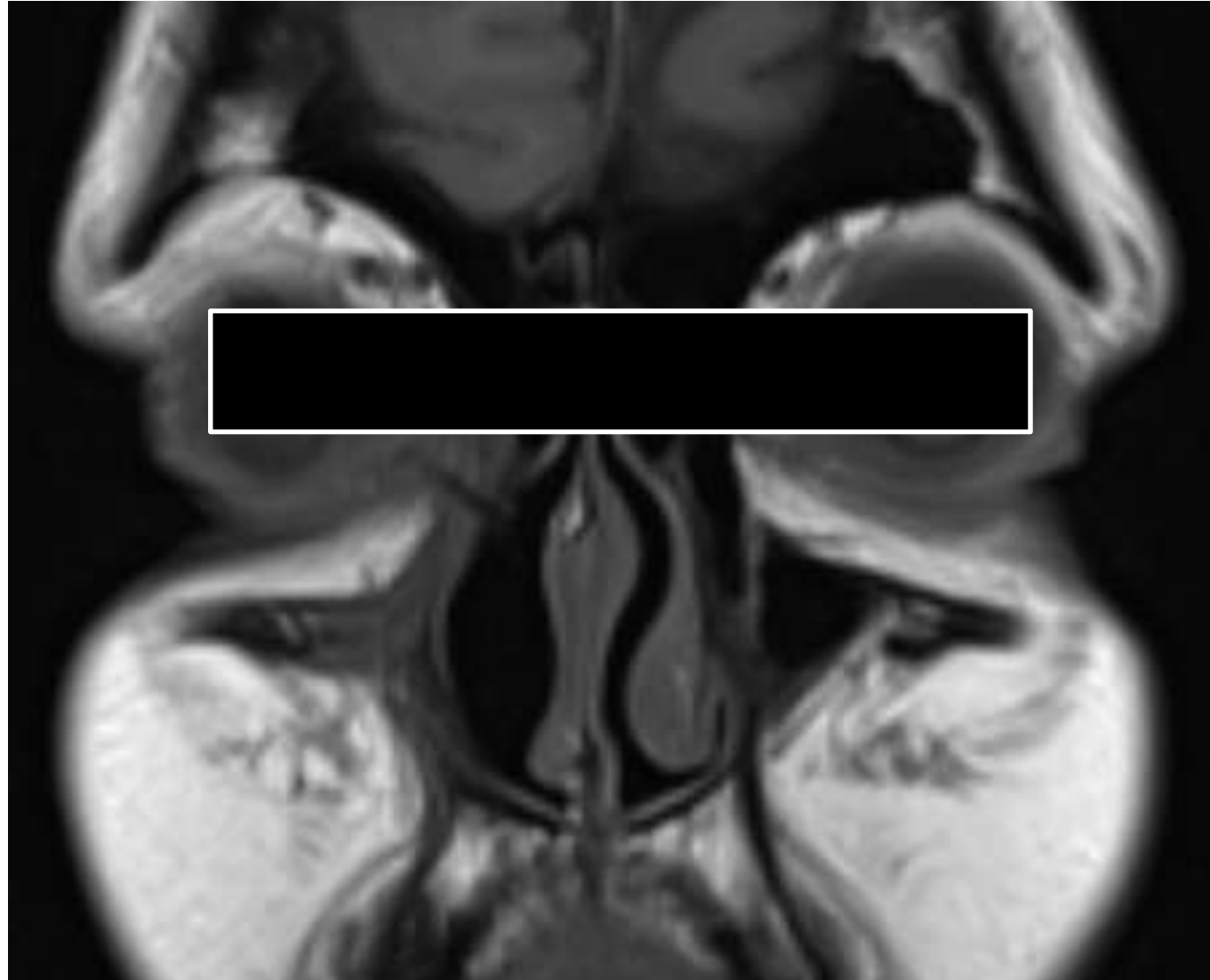
## CDCR (John's tube)



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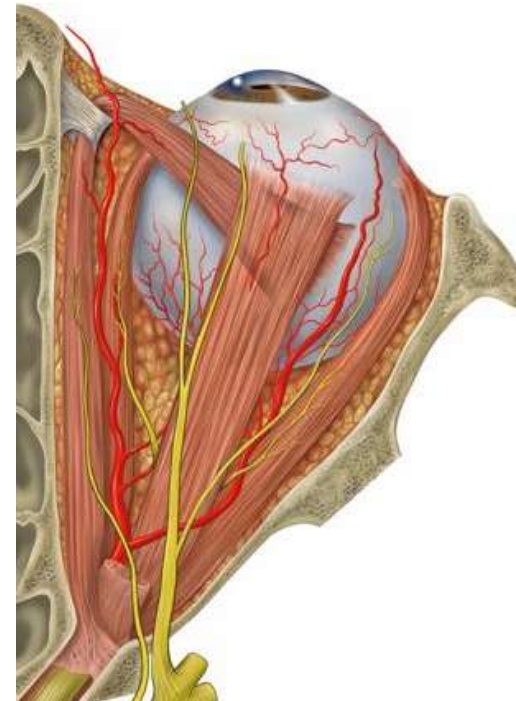
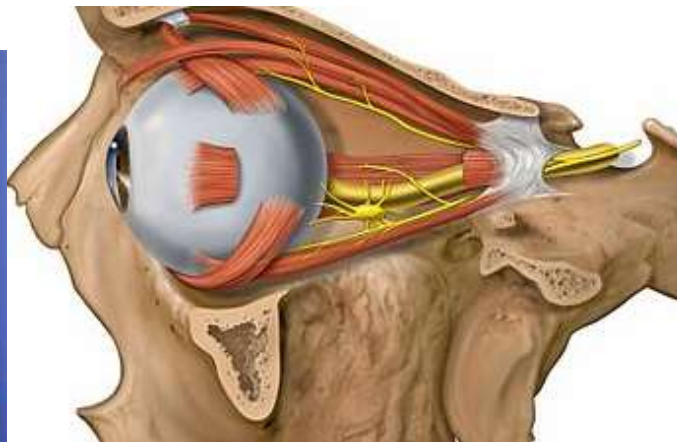
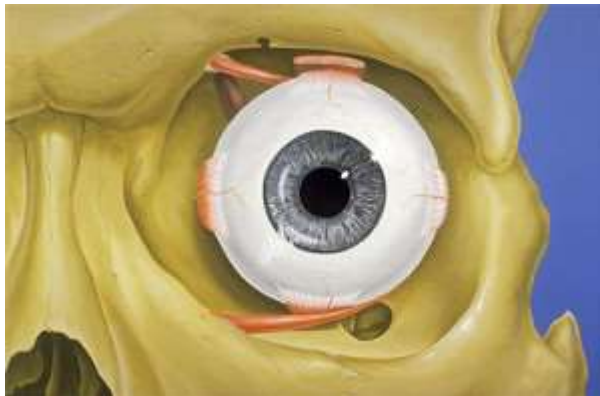


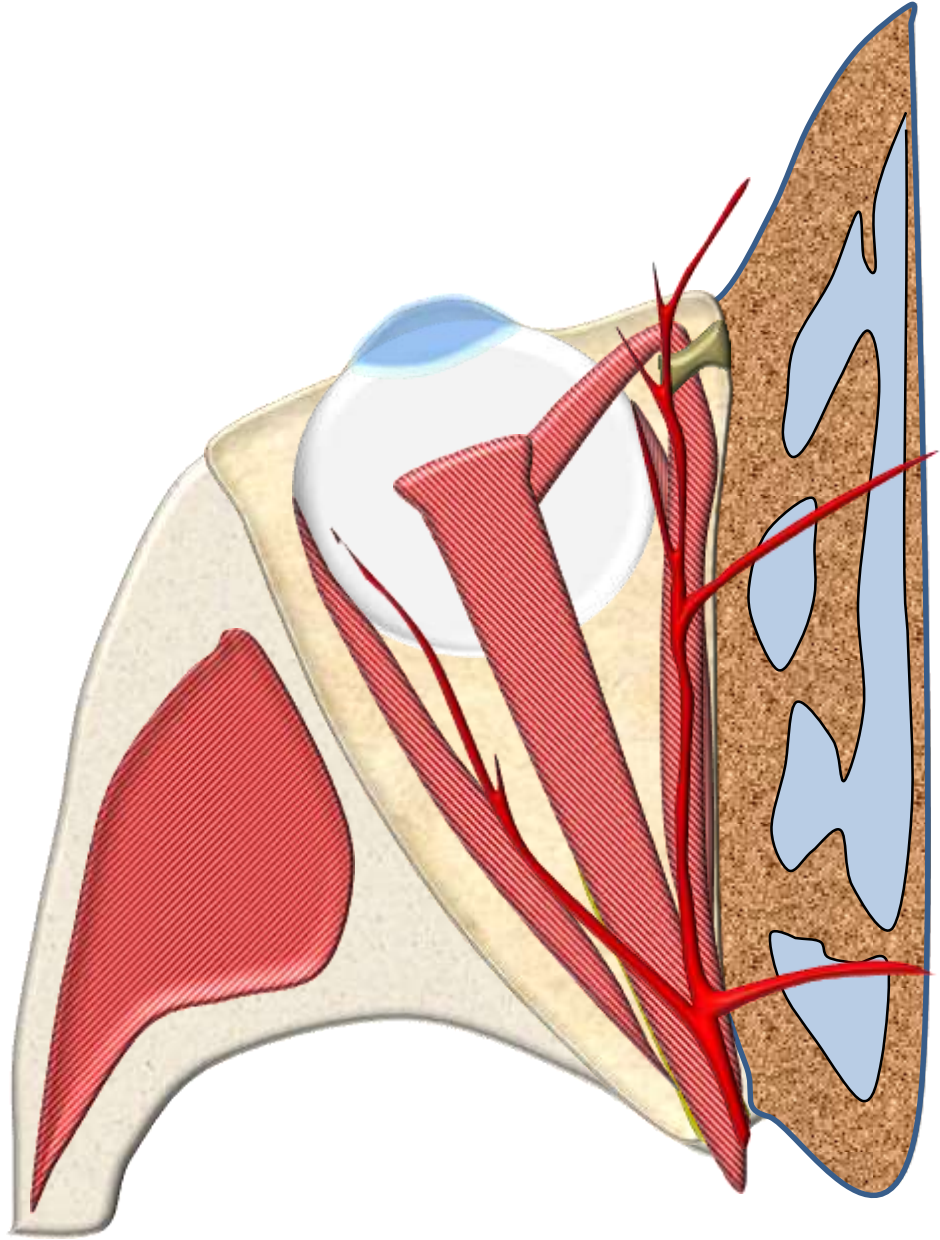
# Transnasal Orbita dekompresjon

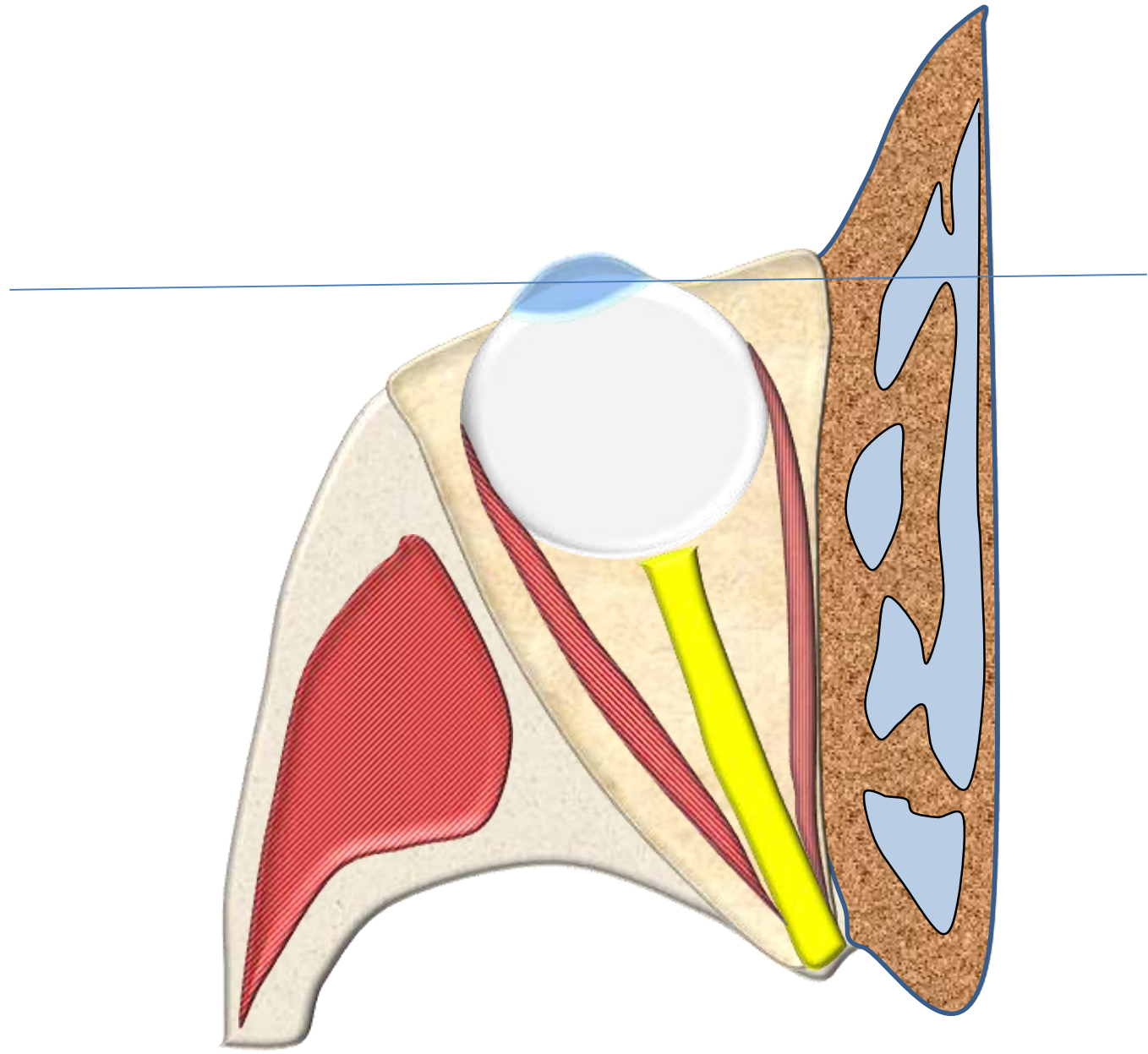


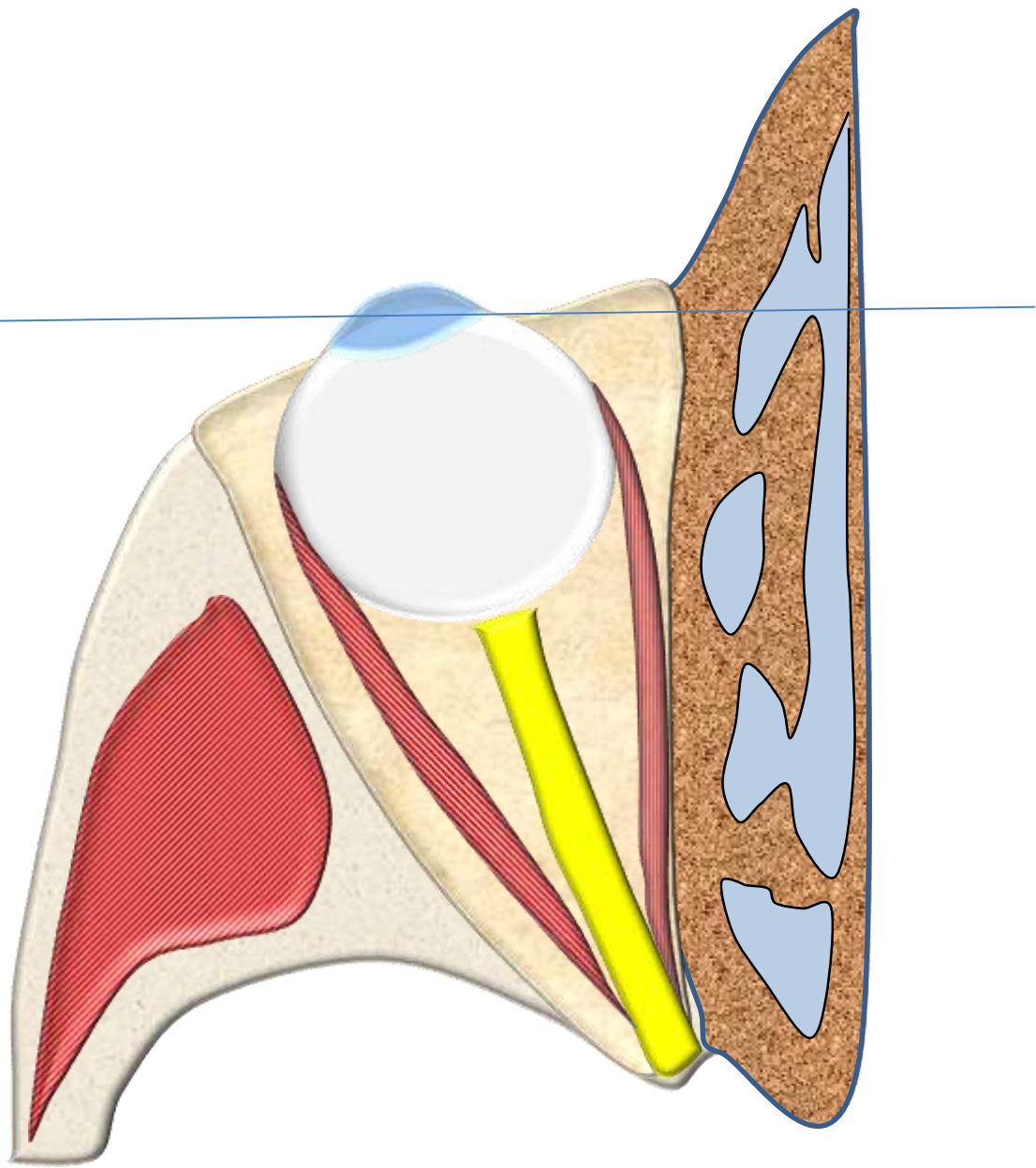
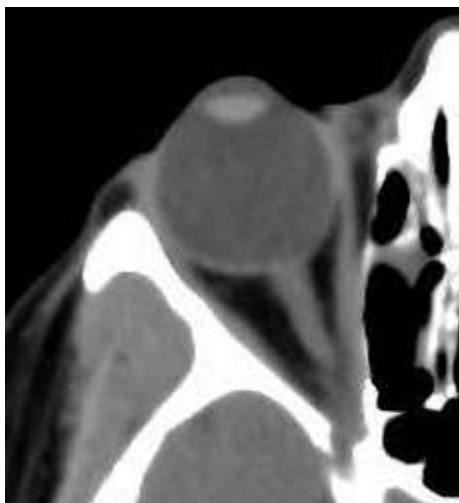
# Orbita dekompresjon

- Endokrin ophthalmopati
- Trauma
- Tumor
- Infeksjon
- ....

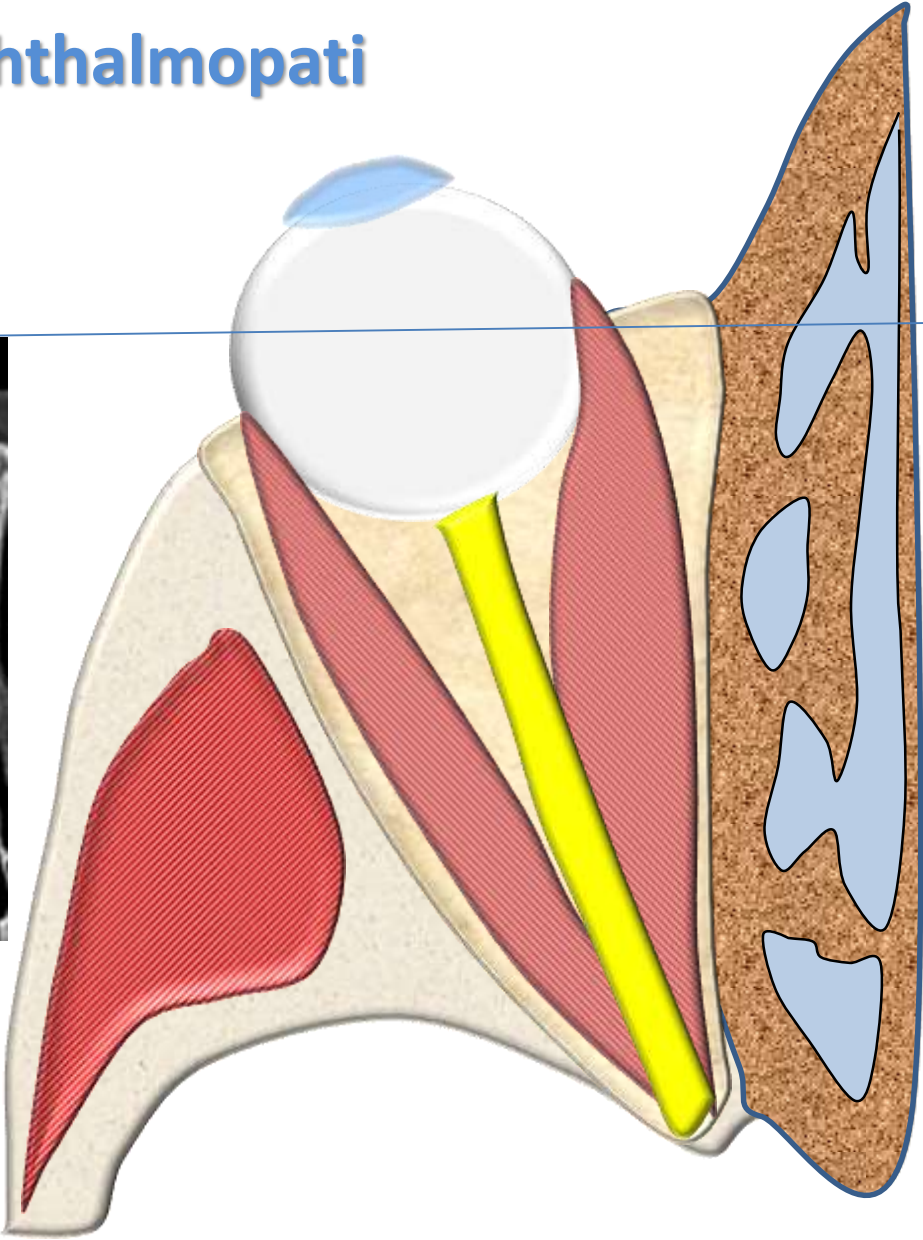
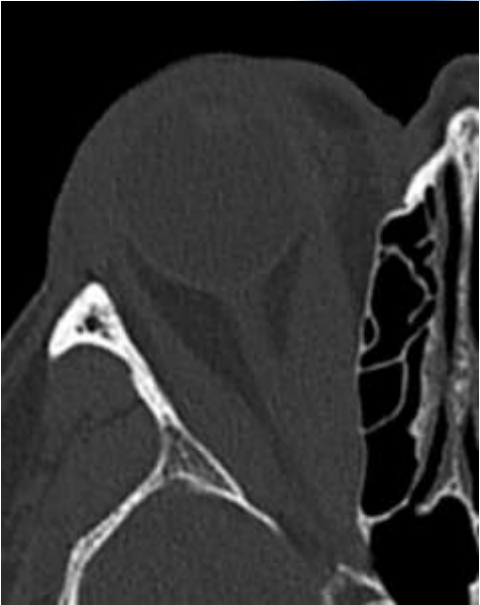








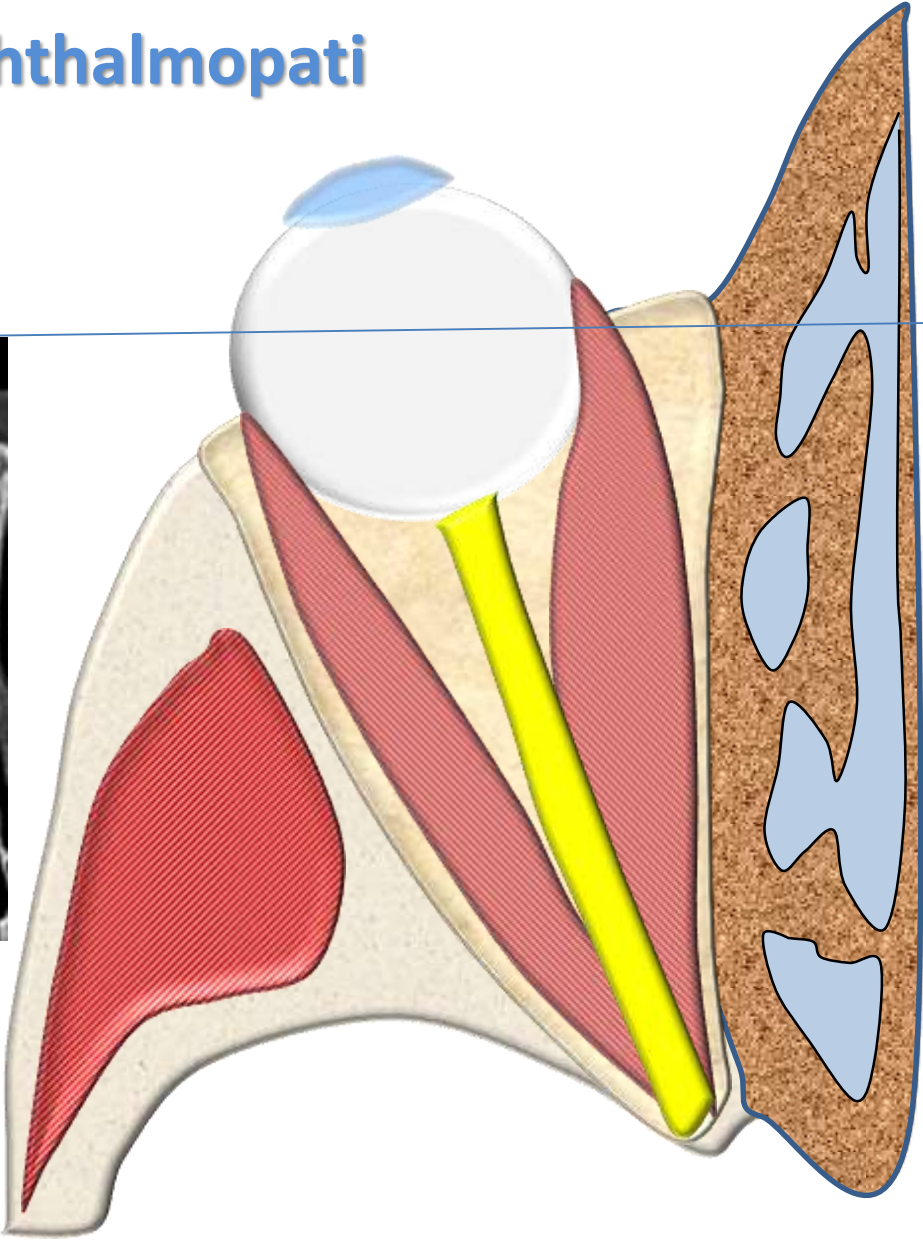
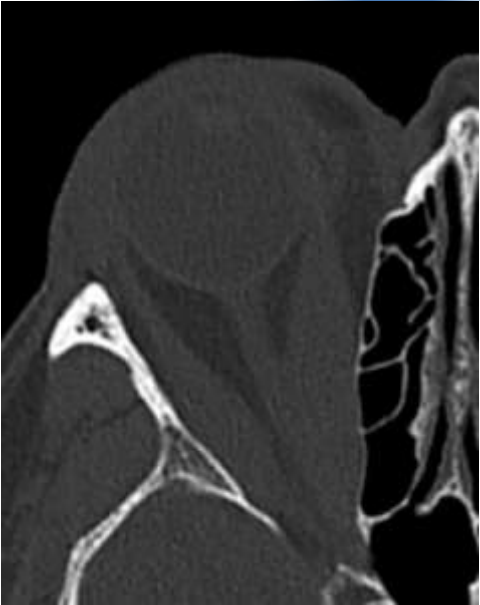
# Endokrin ophthalmopati



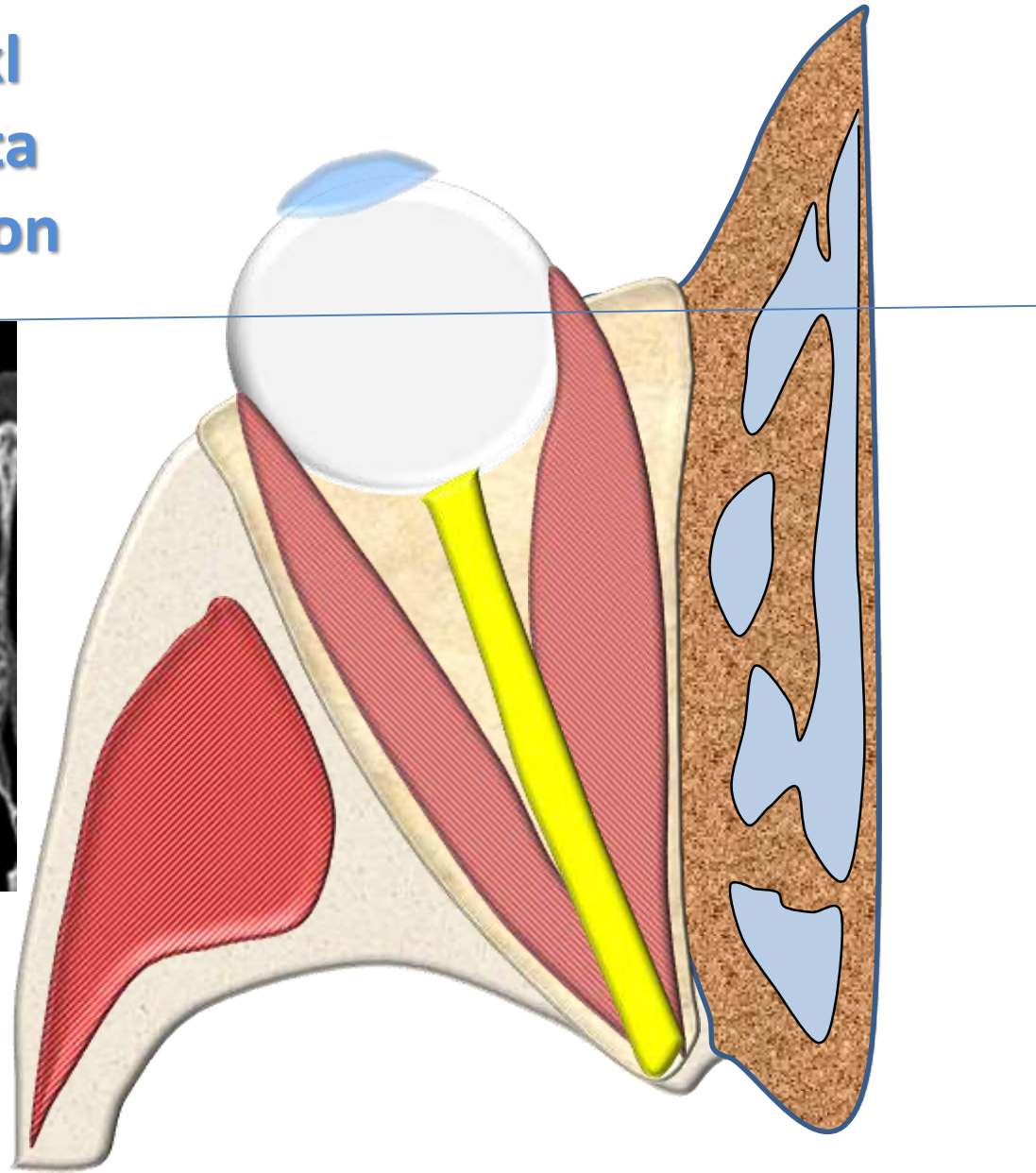
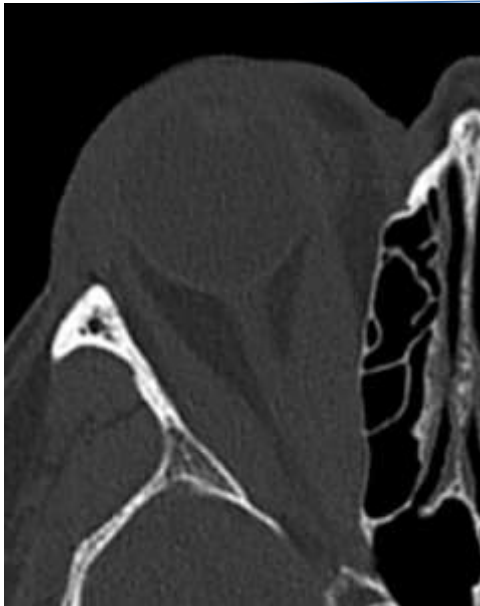
# Transnasal Endoskopisk Orbita dekompresjon



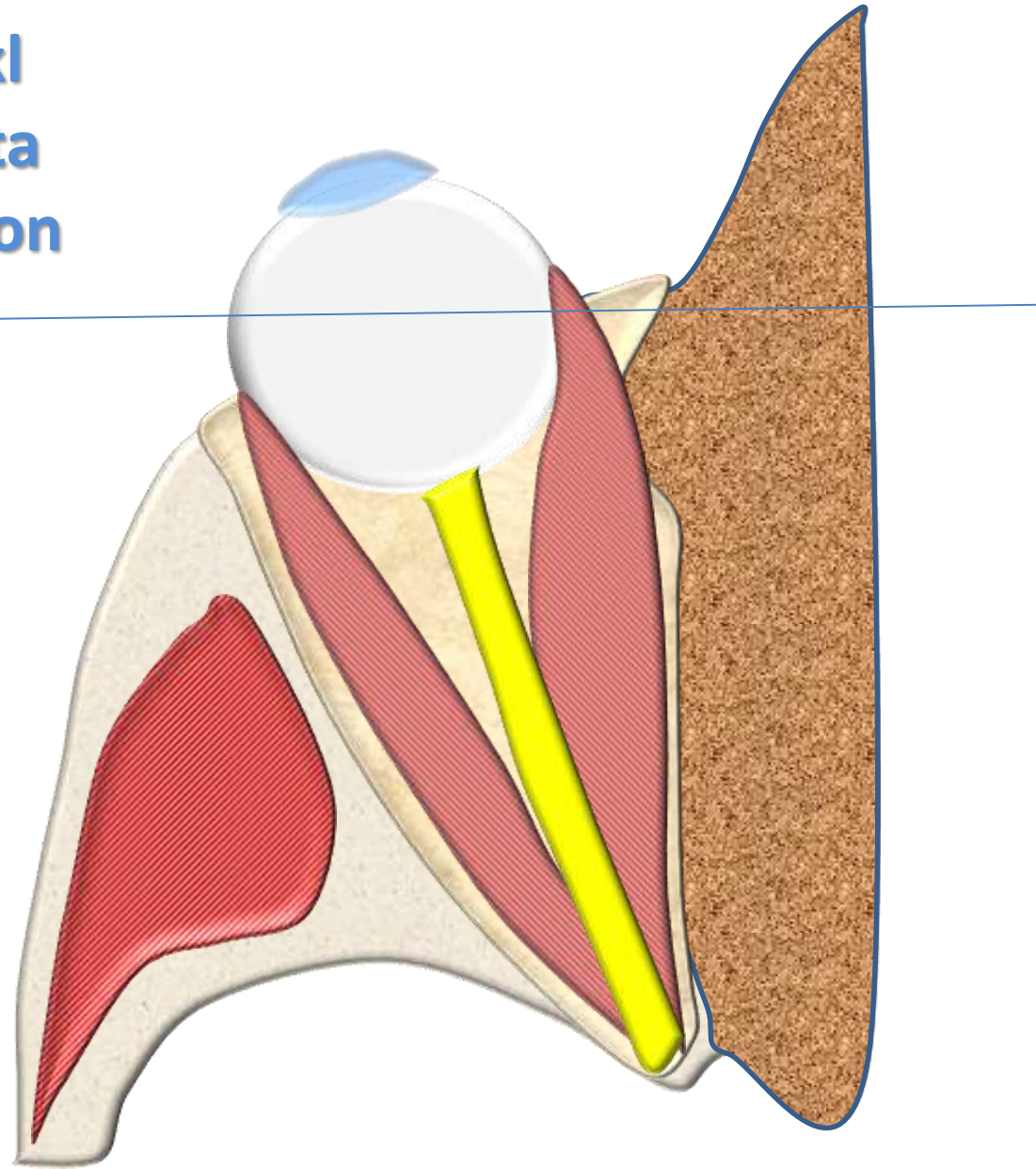
# Endokrin ophthalmopati



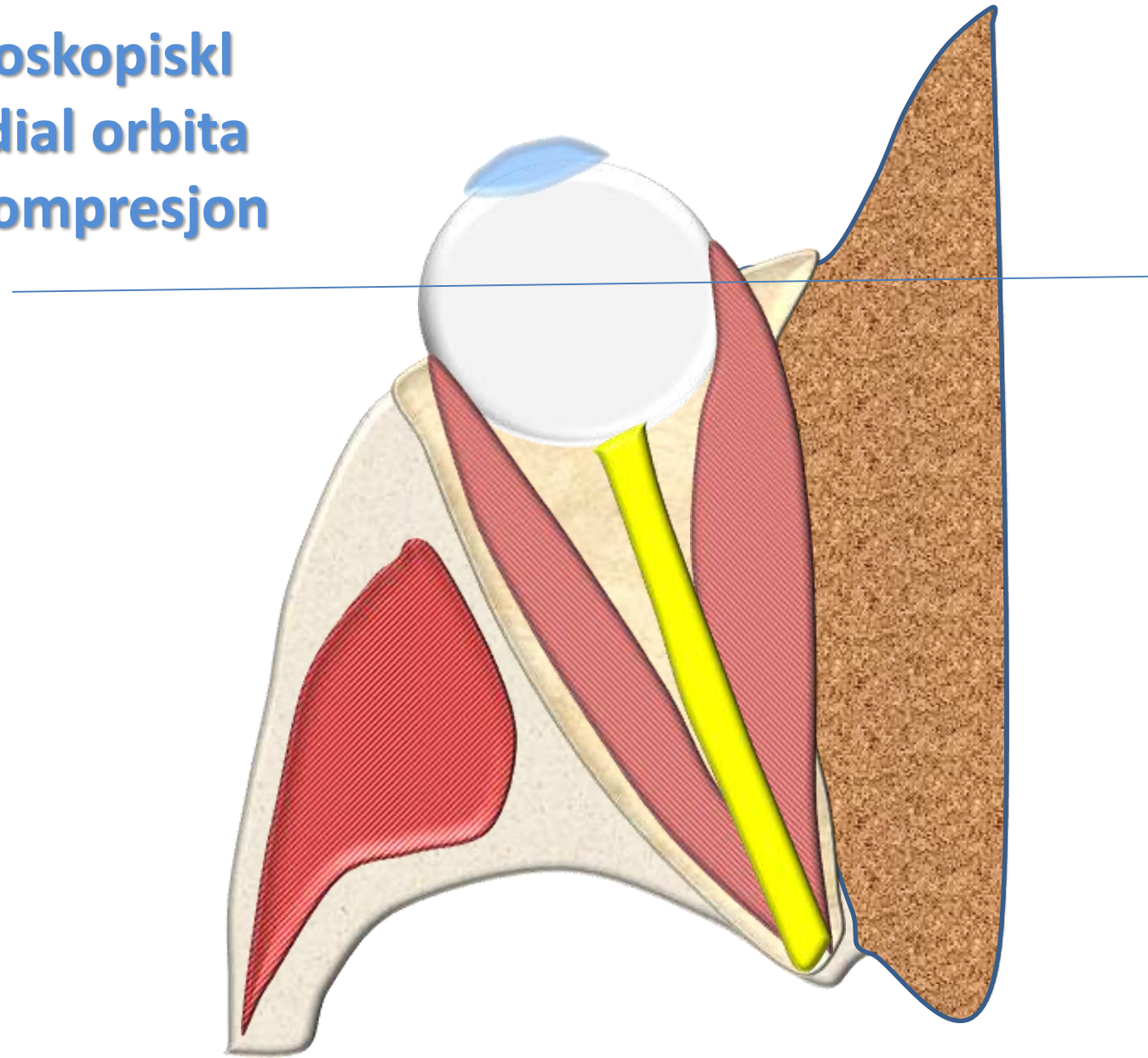
# Endoskopiskl Medial orbita dekompresjon



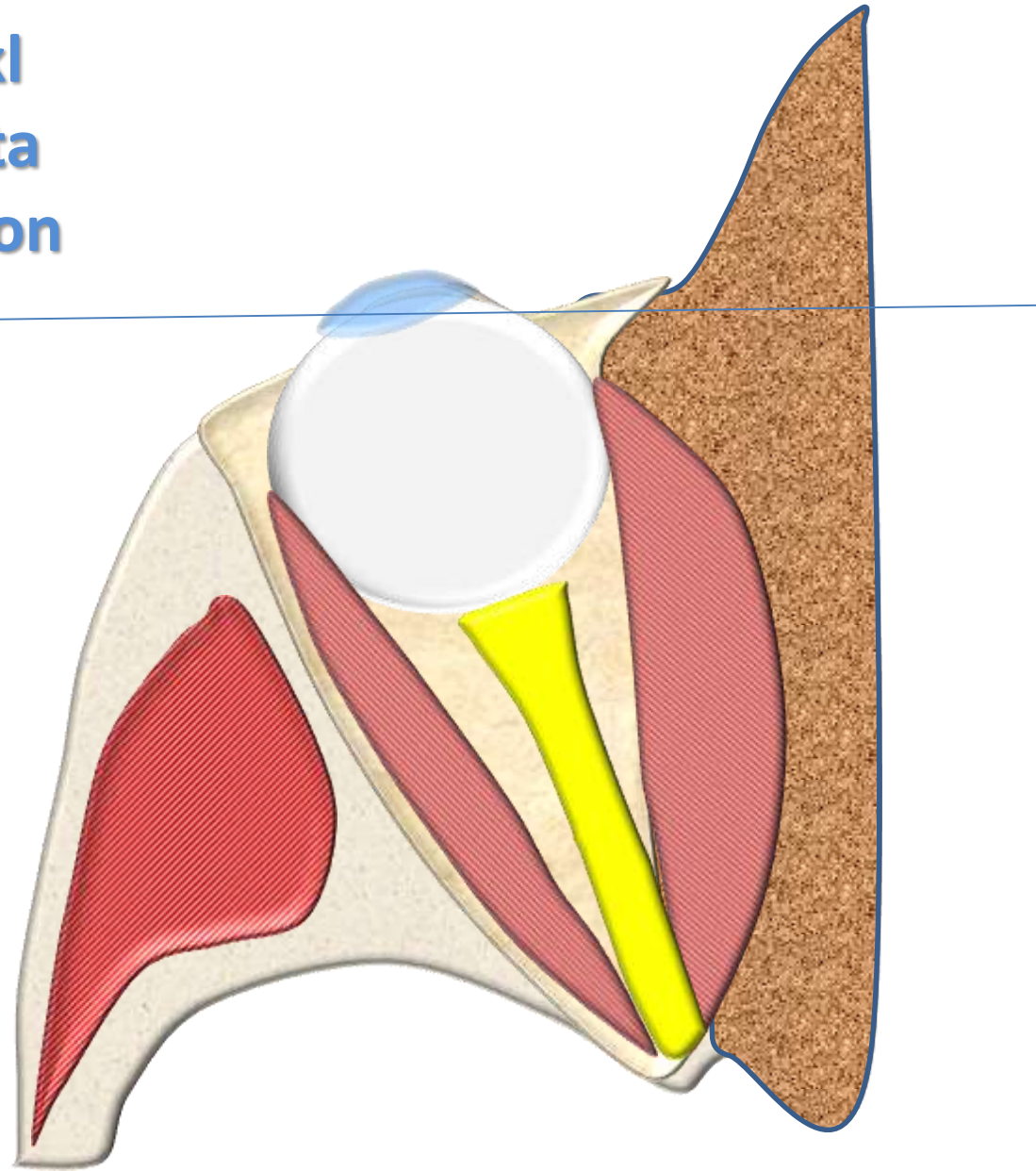
# Endoskopiskl Medial orbita dekompresjon



# Endoskopiskl Medial orbita dekompresjon



# Endoskopiskl Medial orbita dekompresjon



# Transnasal Endoskopisk Orbita dekompresjon



# Transnasal Endoskopisk Orbita dekompresjon



# Orbita dekompresjon

- Graves disease
- Etter bilateral endoskopisk debulking

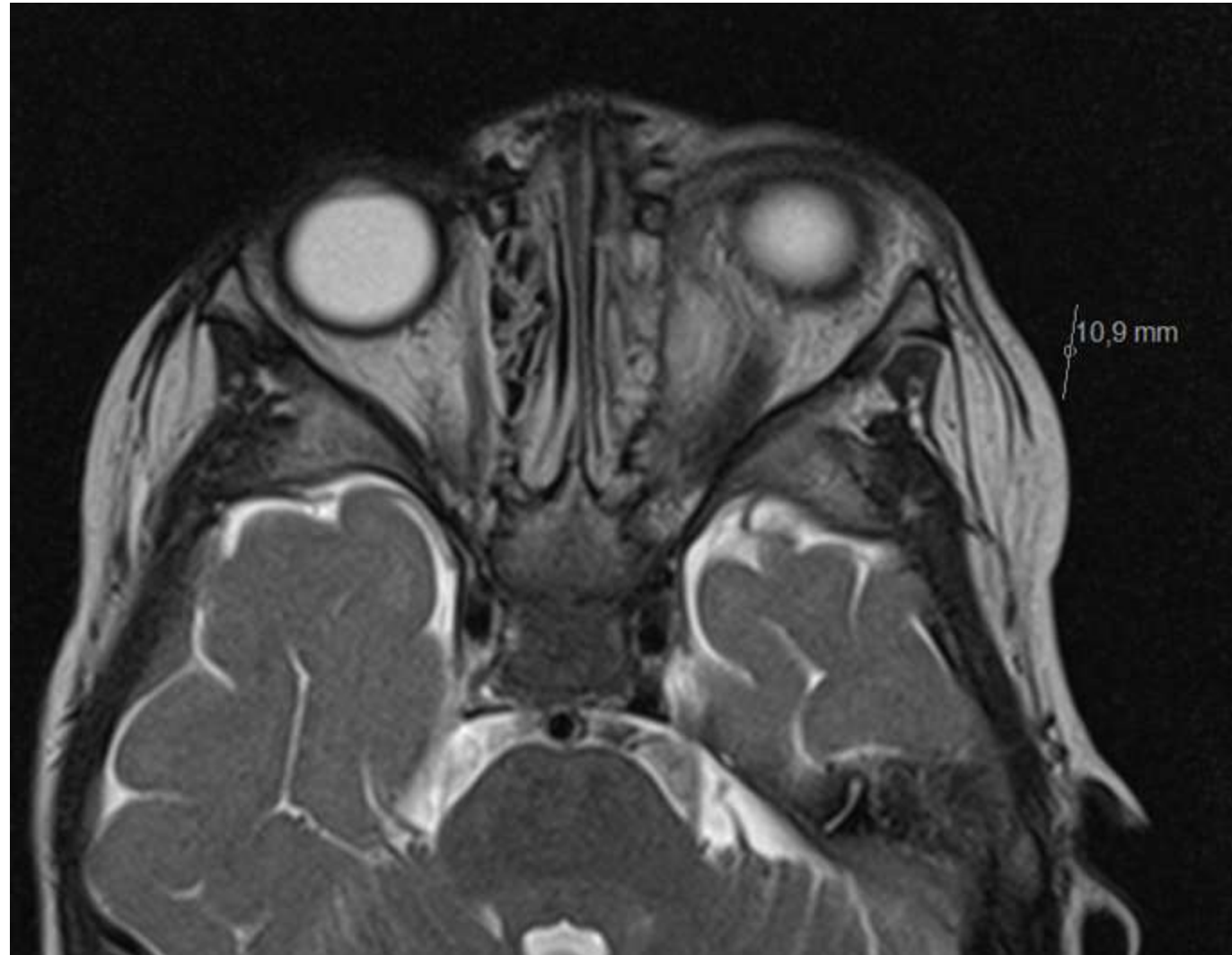


# Orbita dekompresjon

- Graves disease
- Etter bilateral endoskopisk debulking



# Orbita abscess



# Orbita abscess

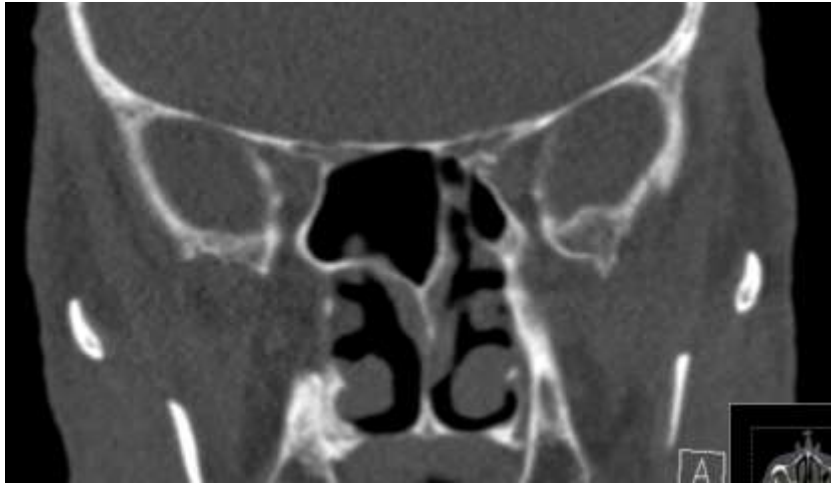


# Orbita hematom



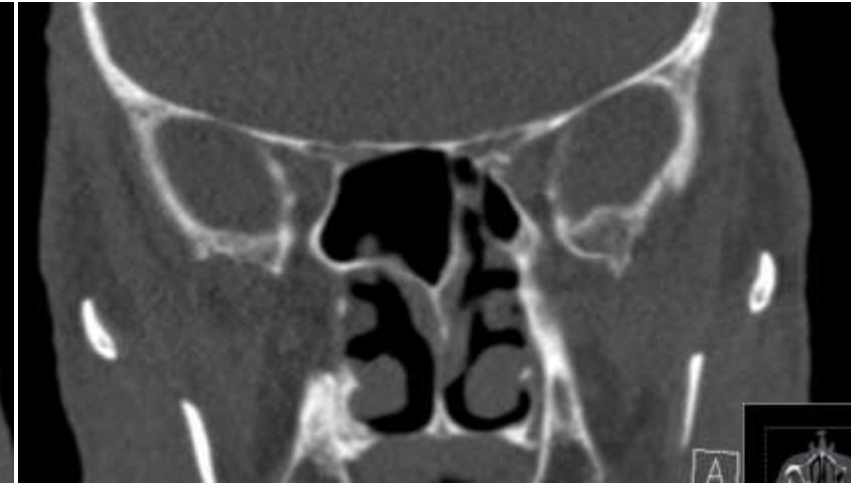
2 dager etter dekompresjon

# Opticus dekompresjon

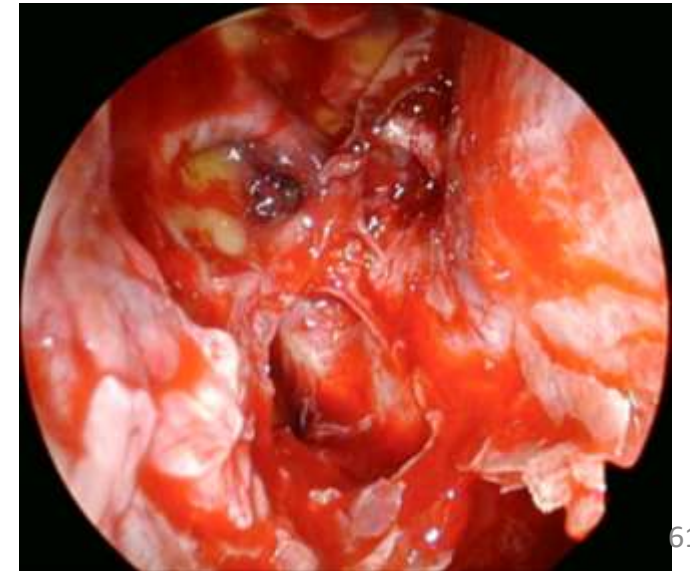
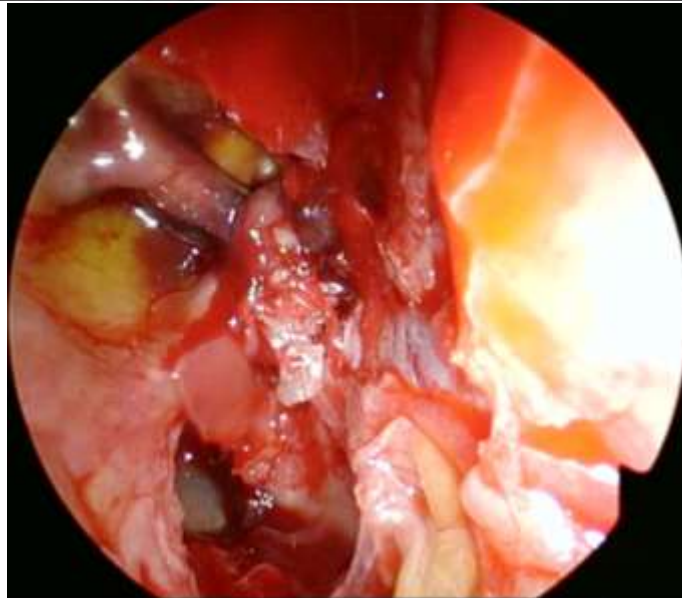


# n. Opticus dekompresjon

- Blind i ve øye etter fallskade



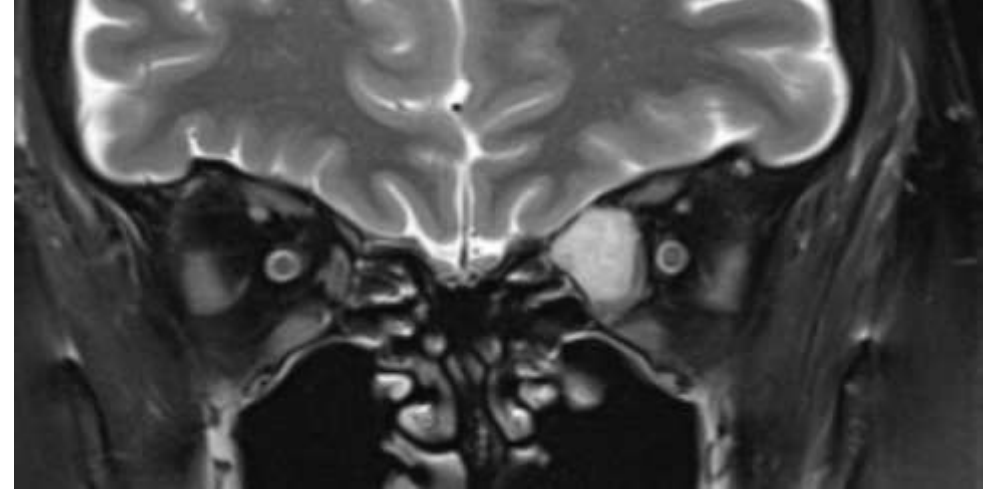
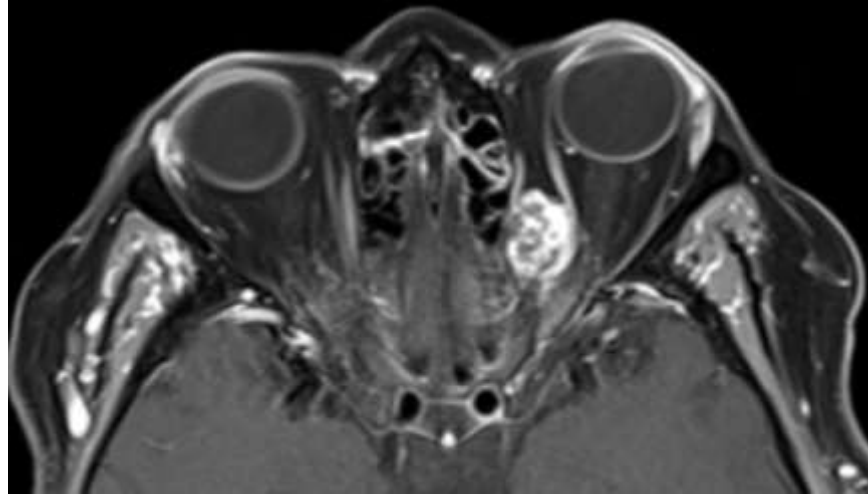
- Endoskopisk dekompresjon



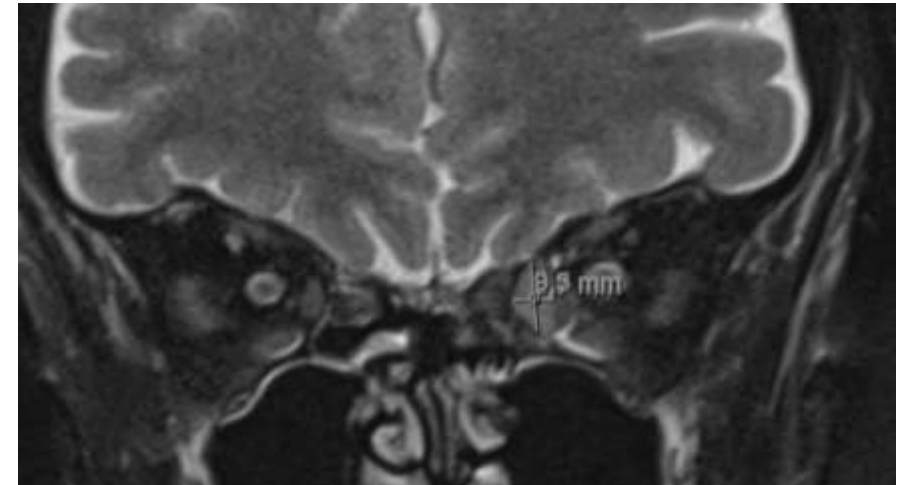
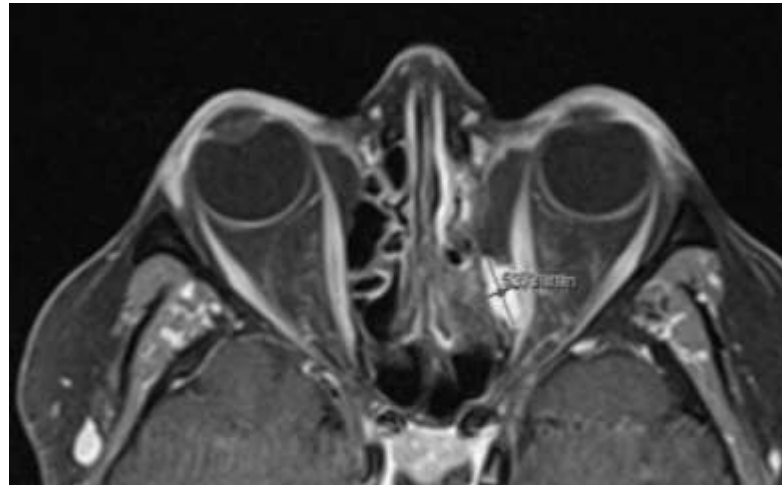
# Orbita tumor

# Orbita tumor

- Orbitaapex hemangiom

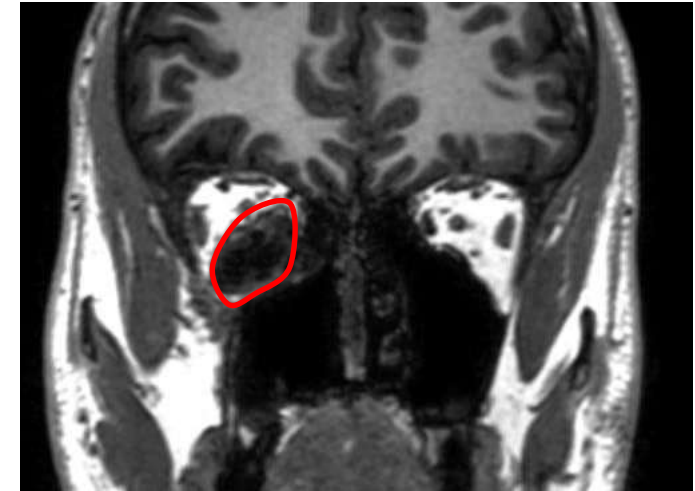


- 3 år etter endoskopisk biopsi/debulking



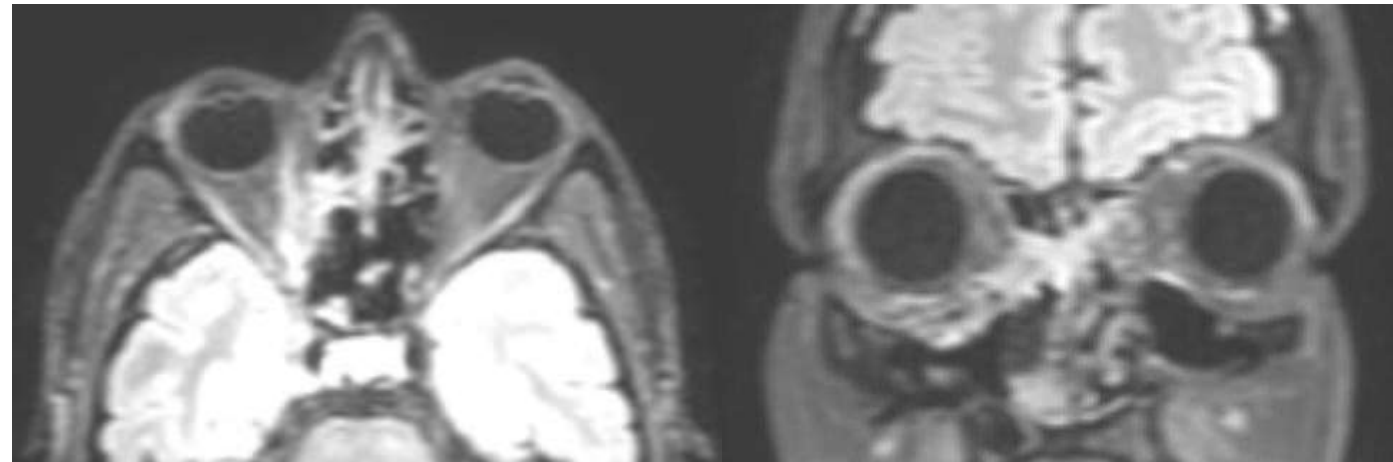
# Orbita tumor

- Residiv/rest av juvenilt angiofibrom i høy orbita



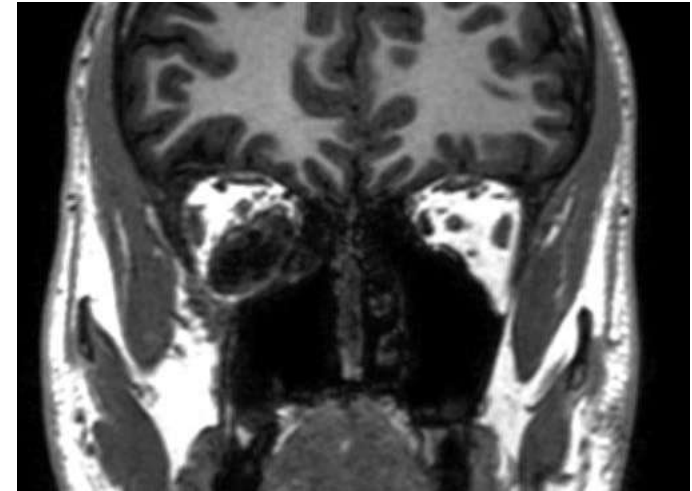
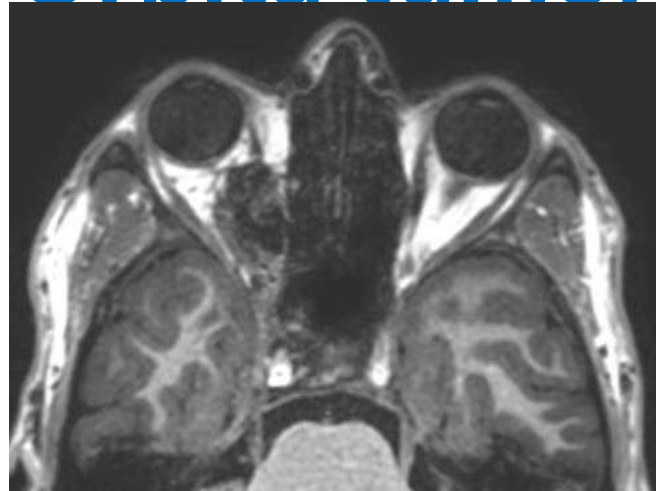
- Endoskopisk fjerning

(Peroperativ MR)



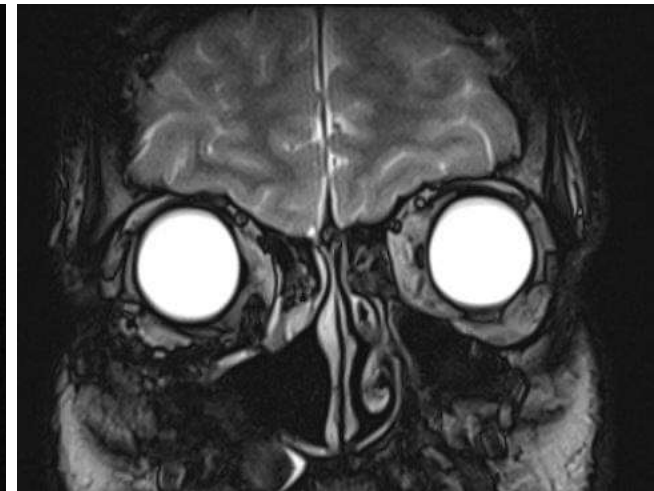
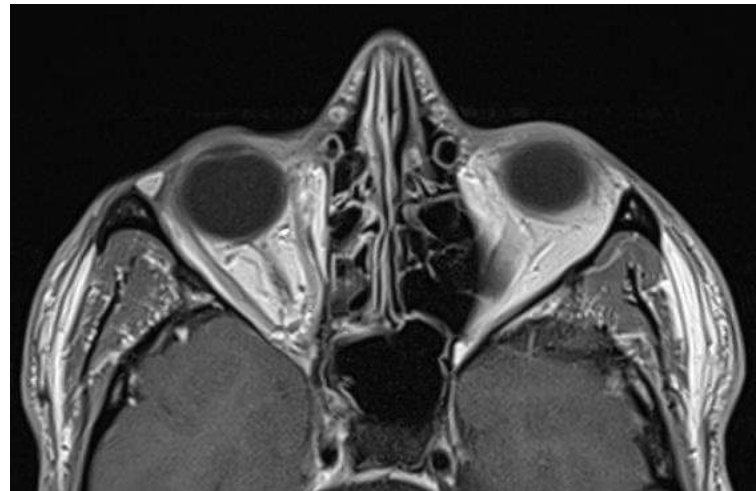
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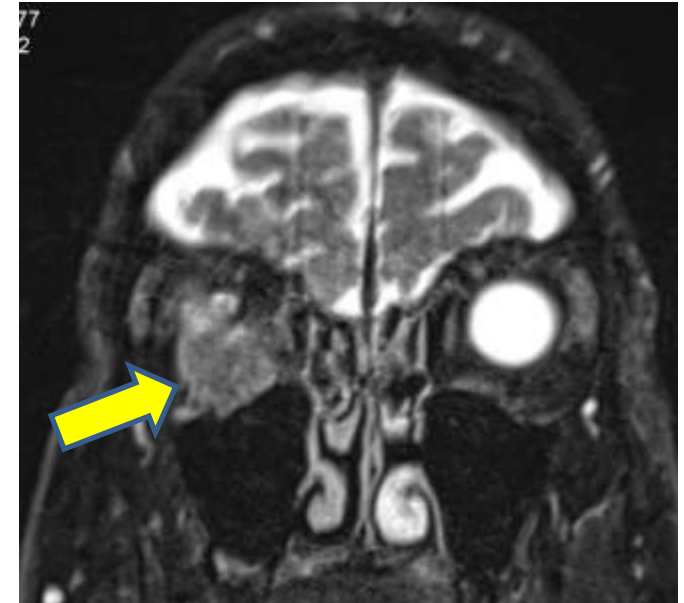
- Endoskopisk fjerning

(MR 5 år senere)



# Orbita tumor

- Papillær thyroedea carsinom metastase til orbita



- Endoskopisk medial maxillæktomi og orbitoromi



# Konklusjon

- Orbita er «no man land»
- Samarbeid er viktig
- God kunnskap om anatomi er veldig viktig

*Takk*

