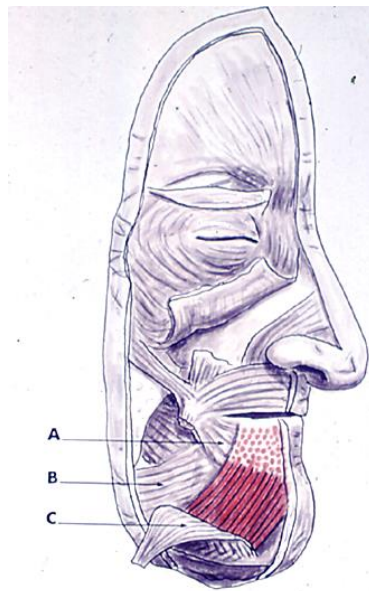


HOVEDETS MUSKLER



ANATOMI

Henrik Løvschall

Anatomisk afsnit, TA

Århus Tandlægeskole

HOVEDETS MUSKLER



- Tyggemusklar
- Ansigtsmuskler

TYGGEMUSKLER

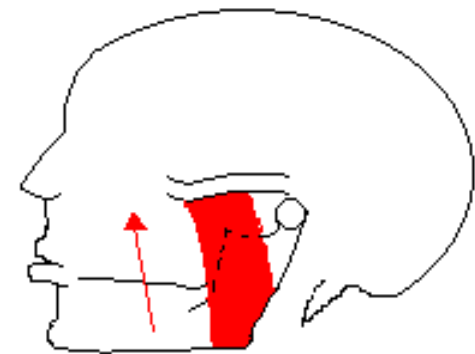
m. masseter

udspring:

- arcus zygomaticus

tilhæftning:

- lateralfladen af ramus mandibula



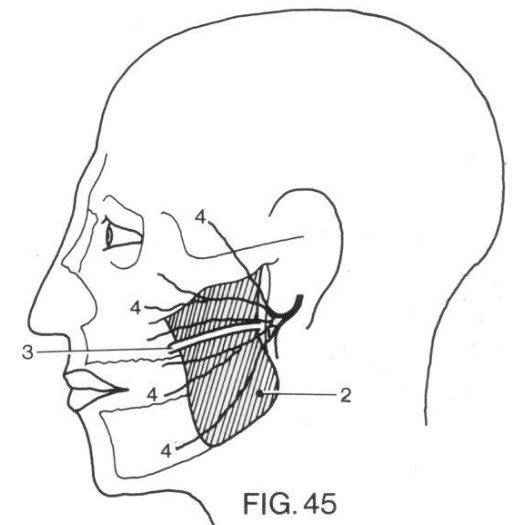
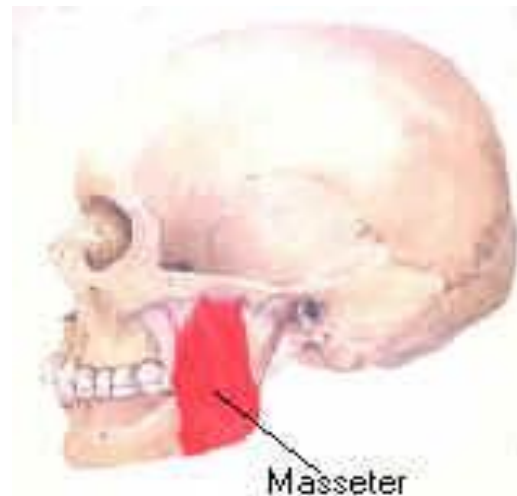
sådan?



TYGGEMUSKLER

m. masseter

- dækkes af fascia masseterica på lateralfladen



TYGGEMUSKLER

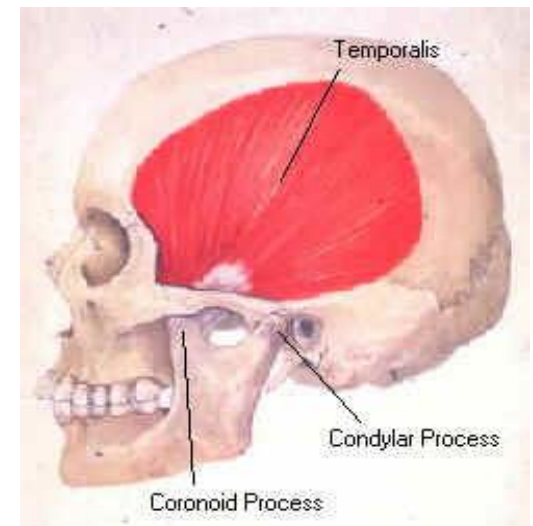
m. temporalis

Udspring:

- fra knogle og fascie under linea temporalis

Tilhæftning:

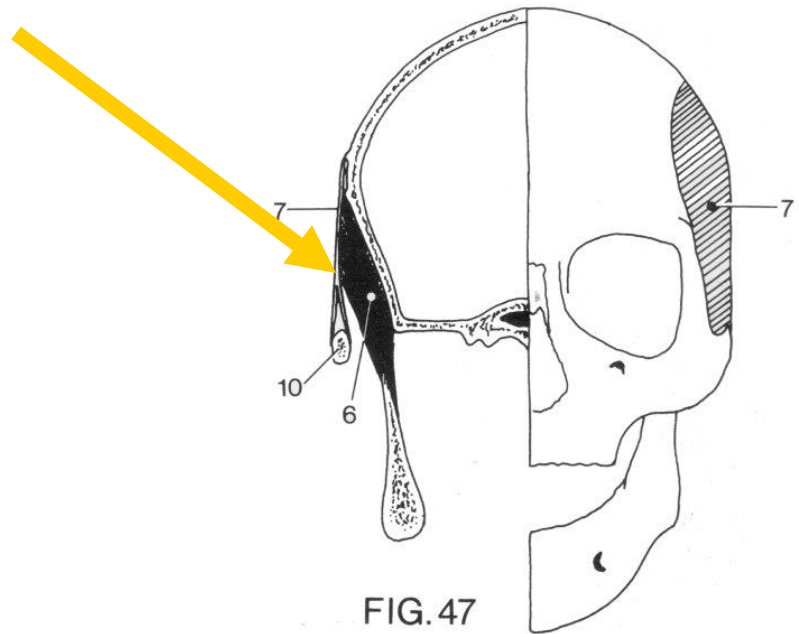
- processus coronoideus



TYGGEMUSKLER

m. temporalis

- dækkes af fascia temporalis på lateralfladen

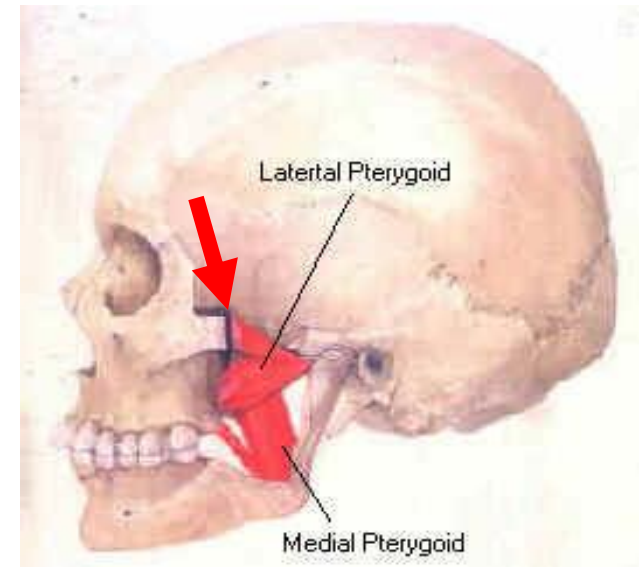


TYGGEMUSKLER

m. pterygoideus lateralis

Udspringer på:

- processus pterygoideus
(lateralfladen)

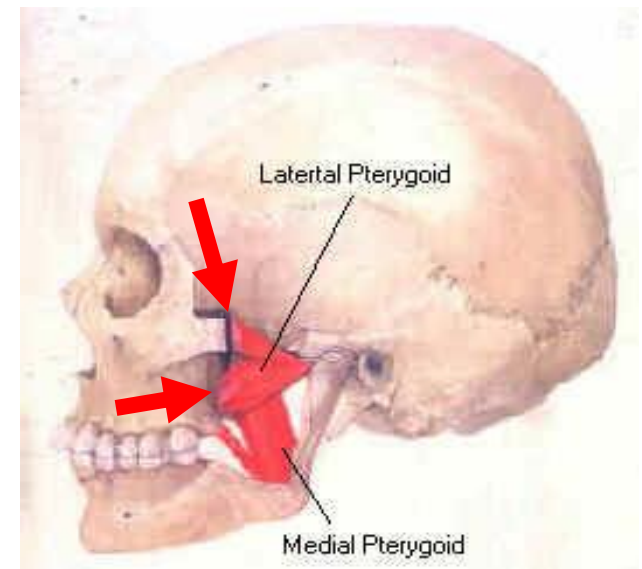


TYGGEMUSKLER

m. pterygoideus lateralis

Udspringer på:

- processus pterygoideus (lateralfladen)
- facies infratemporalis alae majoris på kilebenet

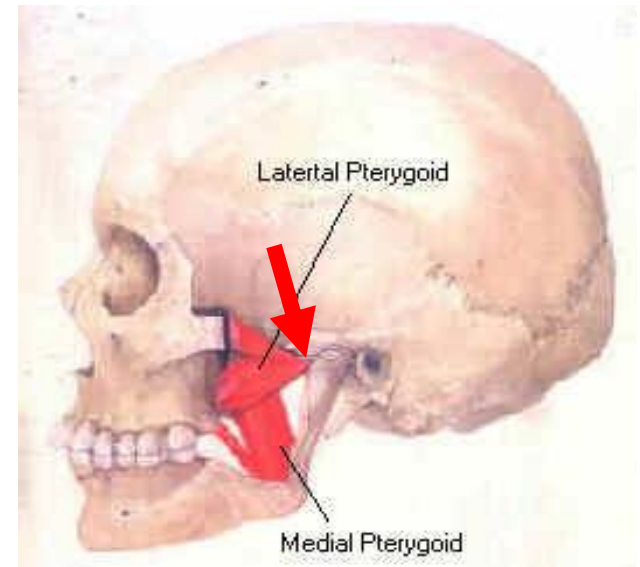


TYGGEMUSKLER

m. pterygoideus lateralis

Tilhæftning:

- processus condylaris
- kæbeledskapslen

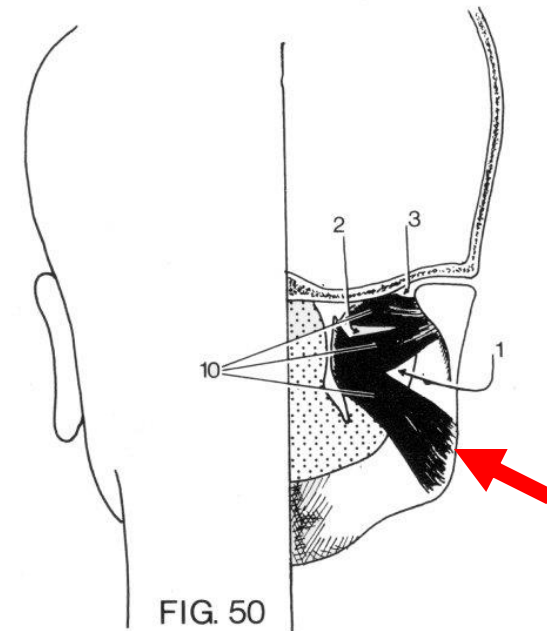
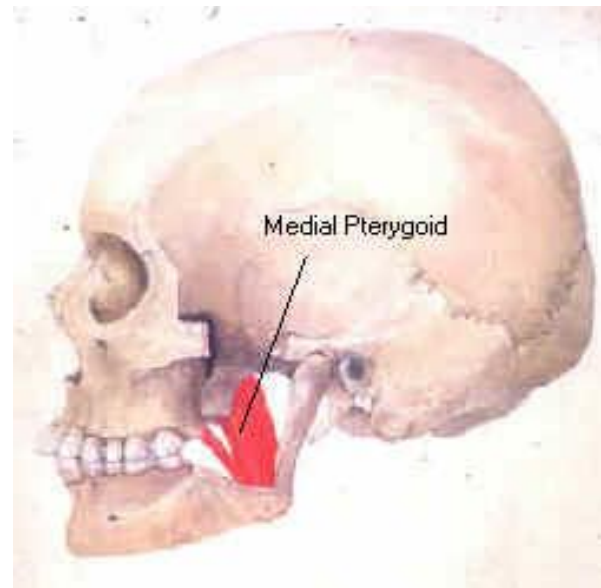


TYGGEMUSKLER

m. pterygoideus medialis

Tilhæftning:

- ramus mandibula (medialfladen)



TYGGEMUSKLER

m. pterygoideus medialis

Udspring:

- fossa pterygoidea

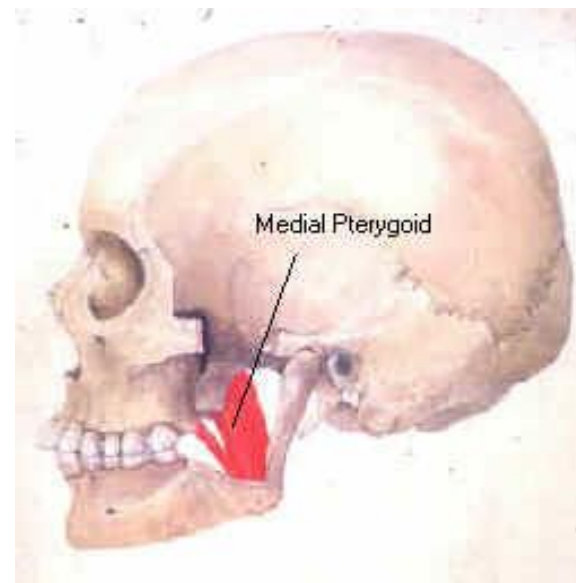
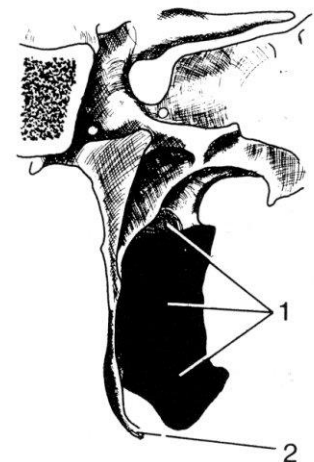
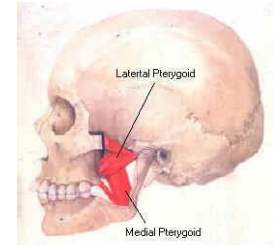


FIG.49F



TYGGEMUSKLER



pterygoidermuren

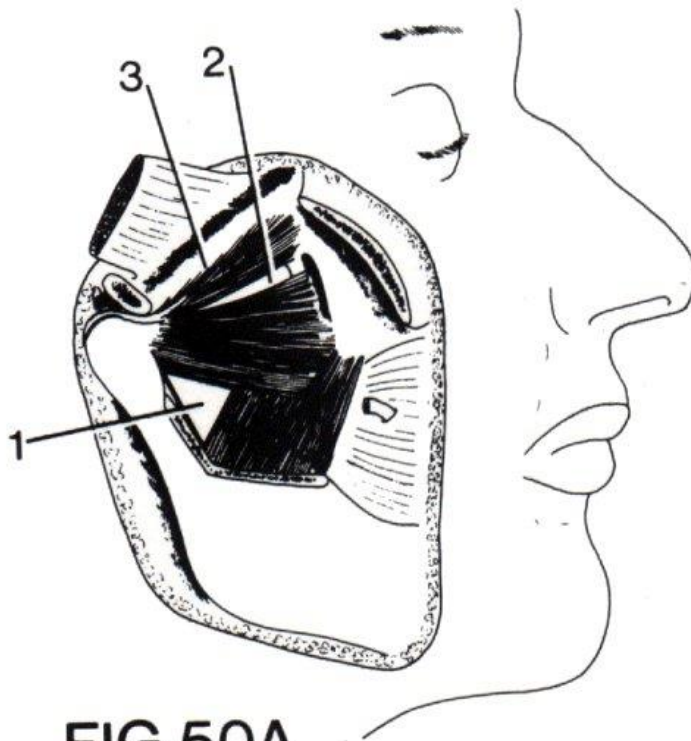


FIG.50A

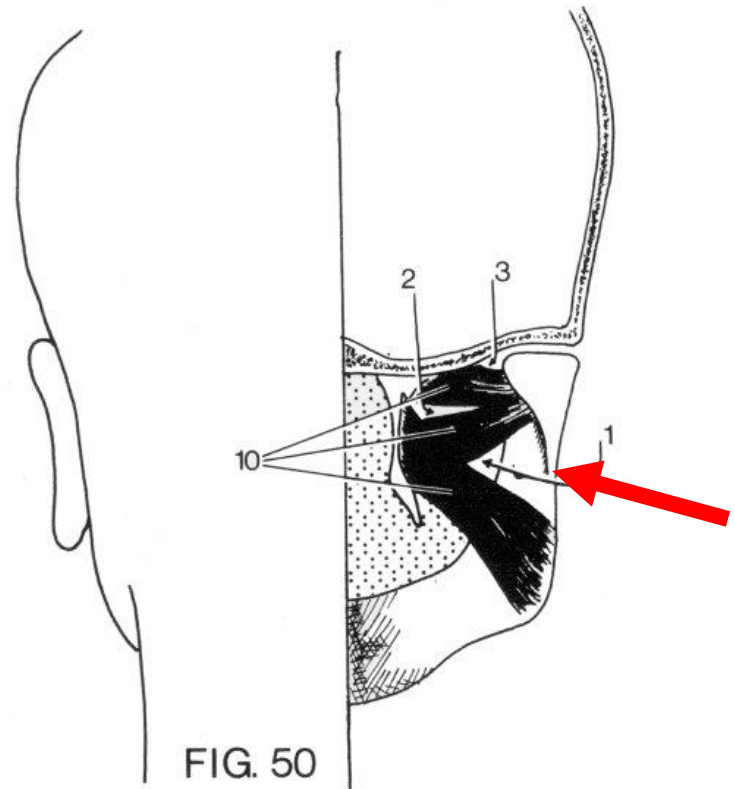


FIG. 50



ANSIGTSMUSKLER



- også kaldet de mimiske muskler

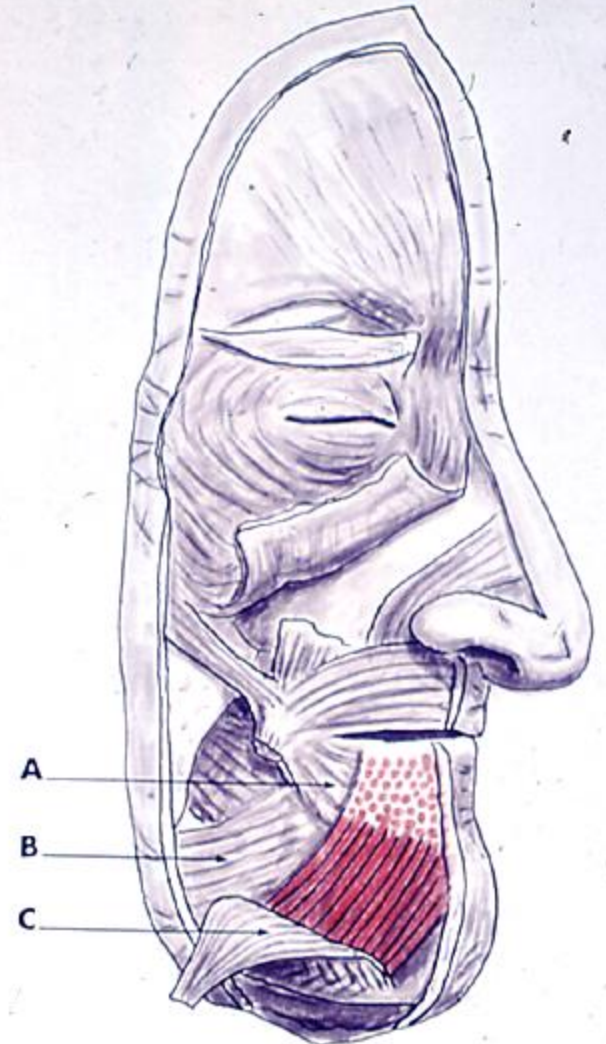
ansigtsmuskler



- udspring ofte på knogle
- ofte tilhæftning i hud

ansigtsmuskler

- flade muskler
- ligger subcutant
- har ingen fascier



ansigtsmuskler



Inddeling:

- overlæbens muskler
- underlæbens muskler
- kindens muskler
- hagens muskler
- næsens muskler
- øjeåbningens muskler
- øreåbningens muskler



MUNDENS MUSKLER

mundhulens muskler



Inddeling:

- overlæbens muskler
- underlæbens muskler
- kindens muskler
- hagens muskler

DYBE &
OVERFLADISKE

overlæbens muskler



overlæbens muskler

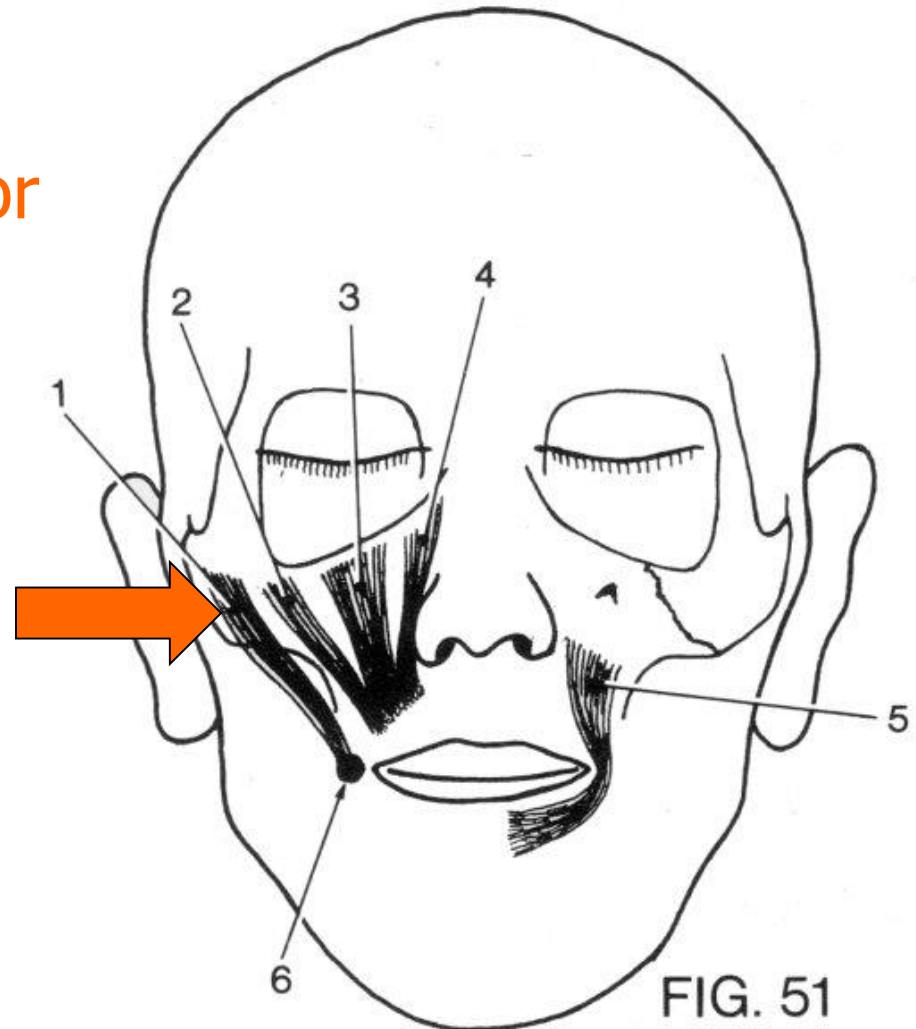


- superficielle lag

- profunde lag

overlæbens muskler

- **superficielle lag**
 - **m. zygomaticus major**

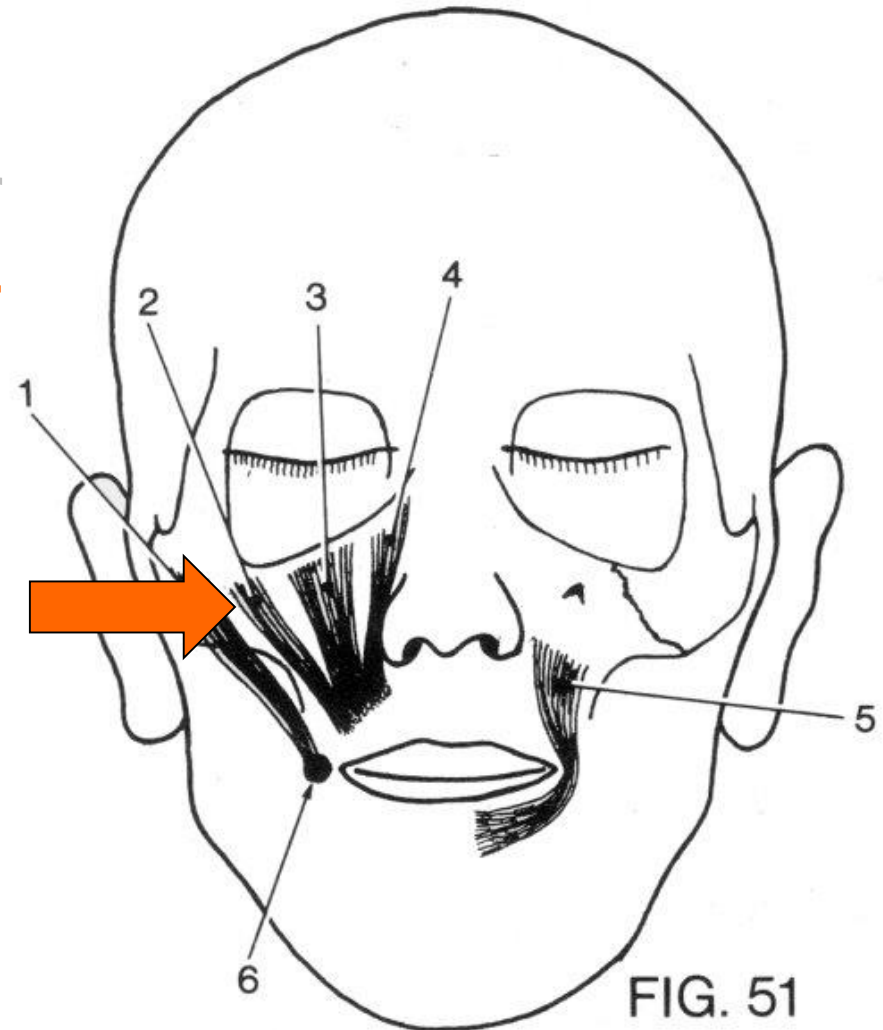


- (Se fx sp19/1) Skab 39/11

overlæbens muskler

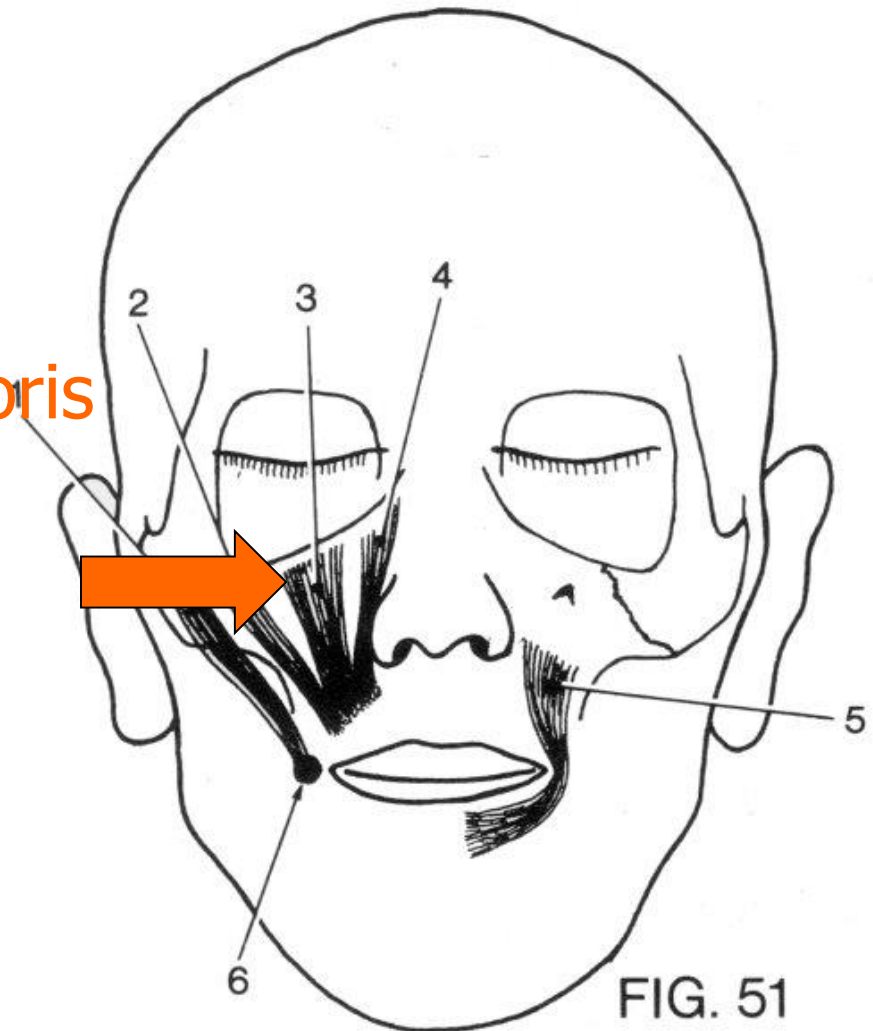
- **superficielle lag**
 - m. zygomaticus major
 - m. zygomaticus minor

- Skab 49/4



overlæbens muskler

- **superficielle lag**
 - m. zygomaticus major
 - m. zygomaticus minor
 - **m. levator labii superioris**

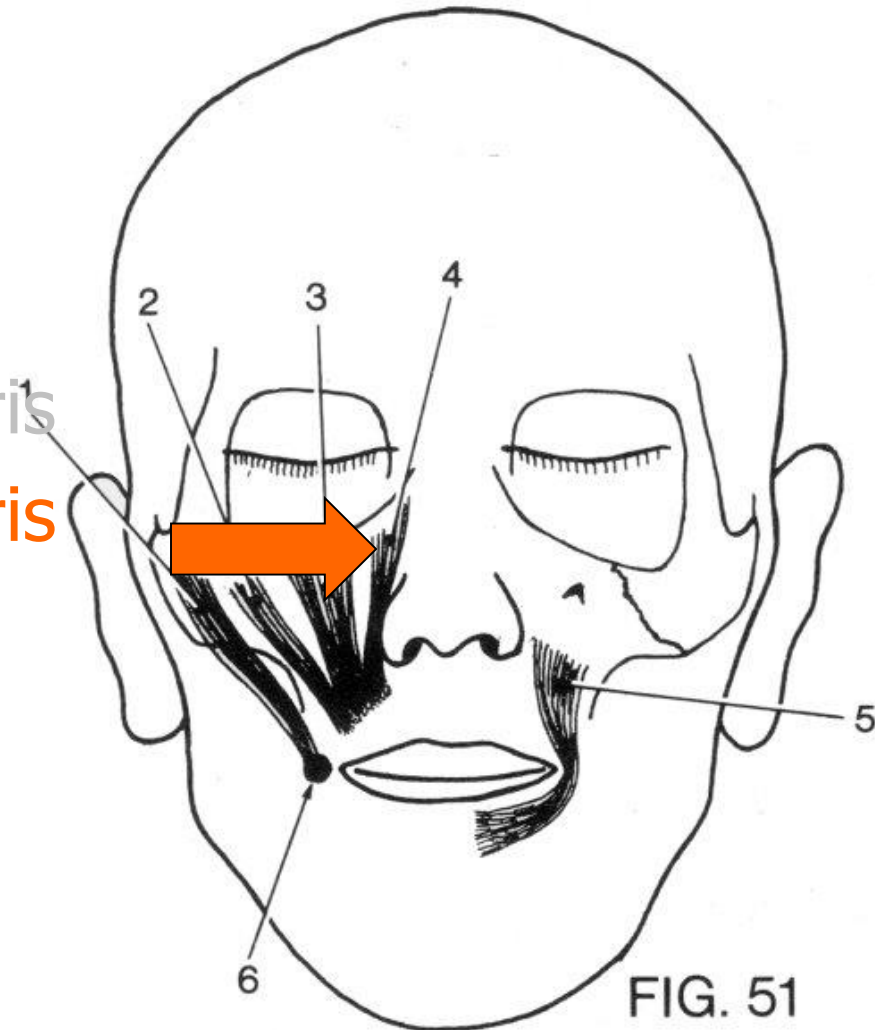


- (Se fx sp37/2) Skab 49/3

overlæbens muskler

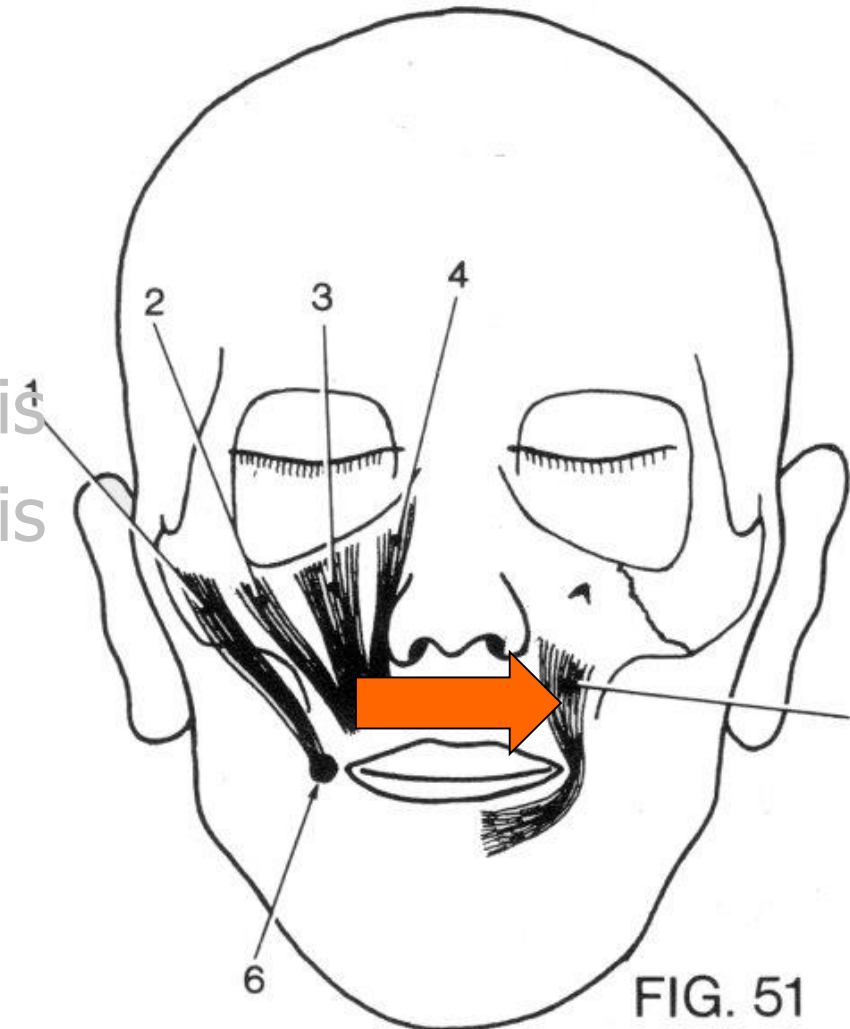
- **superficielle lag**
 - m. zygomaticus major
 - m. zygomaticus minor
 - m. levator labii superioris
 - **m. levator labii superioris alaeque nasi**

- (Se fx sp37/2) Skab 49/3



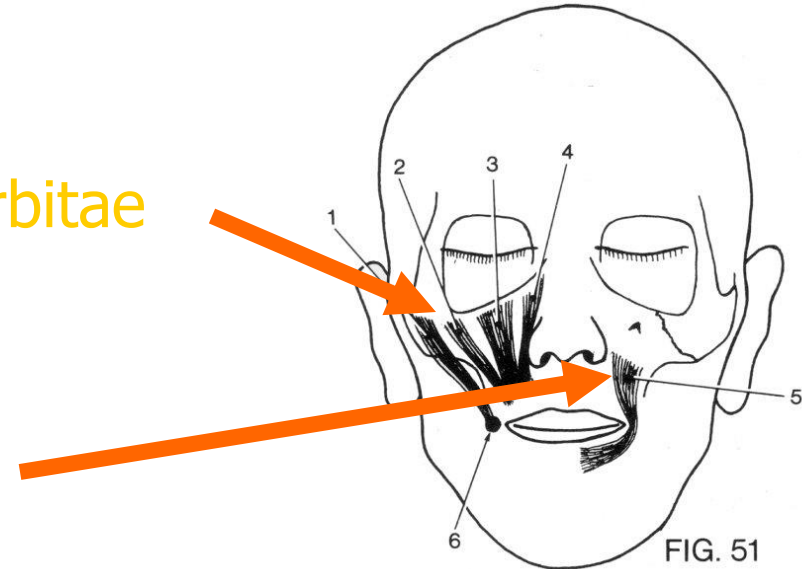
overlæbens muskler

- superficielle lag
 - m. zygomaticus major
 - m. zygomaticus minor
 - m. levator labii superioris
 - m. levator labii superioris alaeque nasi
- **profunde lag**
 - **m. levator anguli oris**
 - (se fx sp38/2) Skab 49/4



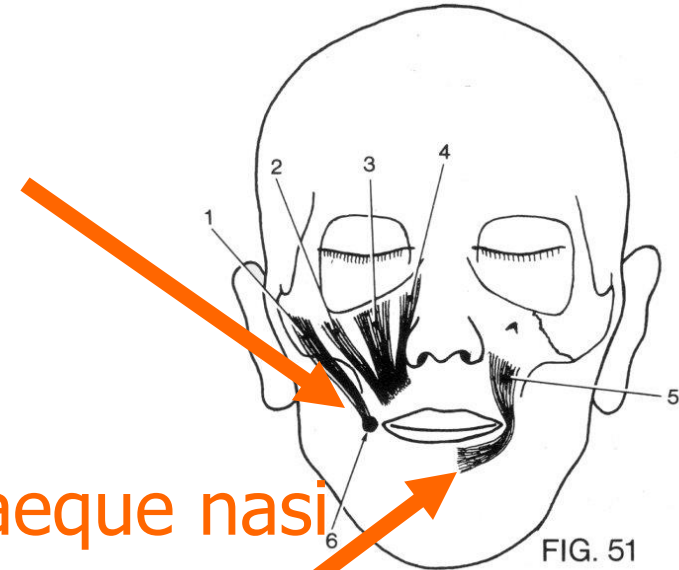
udspring

- **superficielle lag**
 - udspringer langs aditus orbitae
- **profunde lag**
 - udspringer i fossa canina



tilhæftning

- m. zygomaticus major
 - tilhæfter modiolus
- m. zygomaticus minor
- m. levator labii superioris
- m. levator labii superioris alaeque nasi
 - tilhæfter huden
- m. levator anguli oris
 - fortsætter i m. orbicularis oris



underlæbens muskler



- Superficielle lag
- Profunde lag

underlæbens muskler

- Superficielle lag
 - m. depressor anguli oris

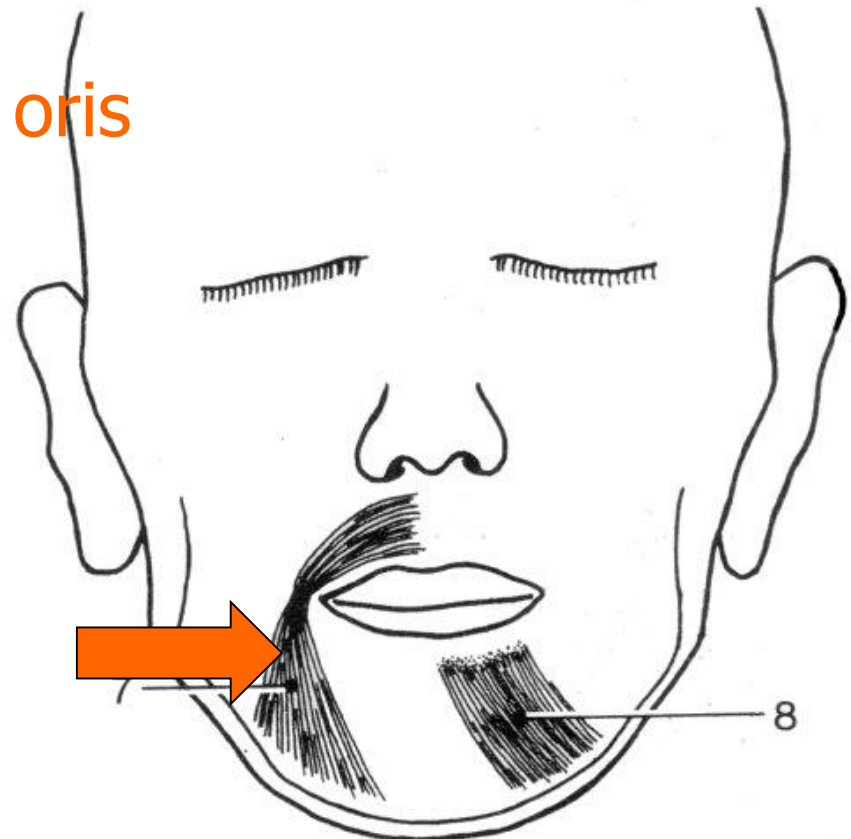


FIG. 52

underlæbens muskler

- Superficielle lag
 - *m. depressor anguli oris*
- Profunde lag
 - *m. depressor labii inferioris*

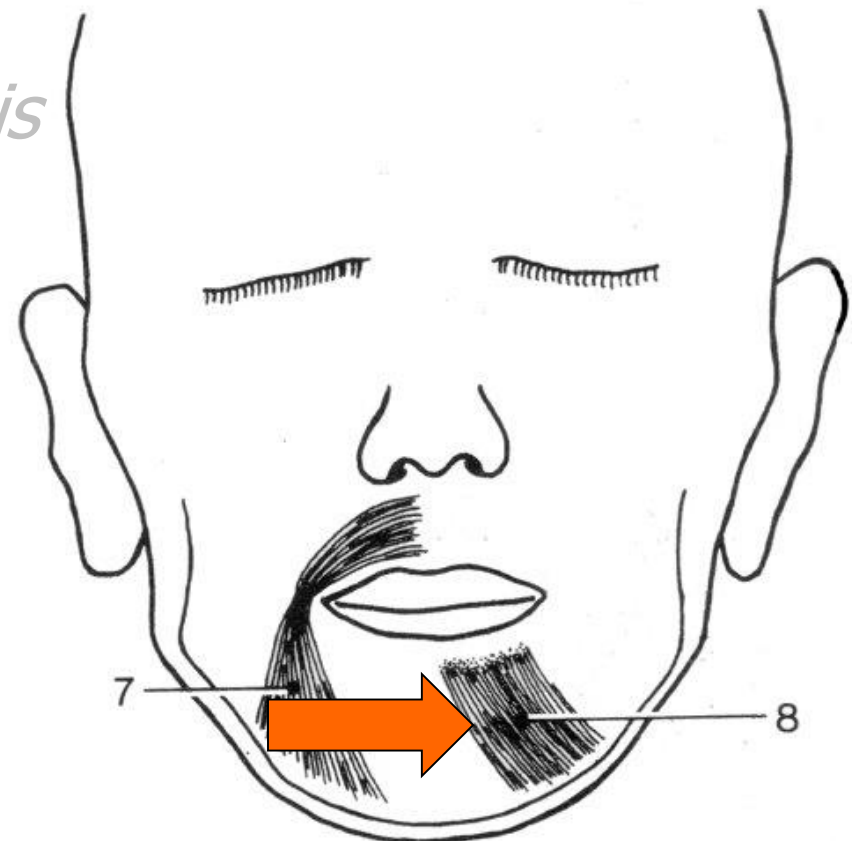


FIG. 52

underlæbens muskler..

- **Superficielle lag**
 - m. depressor anguli oris
 - udspring på mandibula
 - fortsætter i m. orbicularis oris
- **Profunde lag**
 - m. depressor labii inferioris
 - udspring på mandibula
 - tilhæfter i underlæbens hud

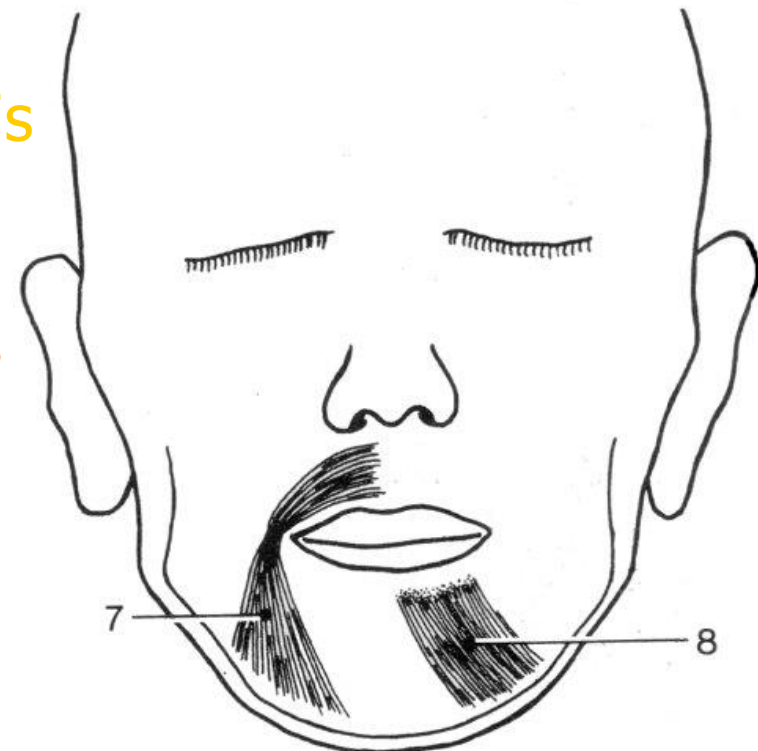


FIG 52

læbernes muskler..

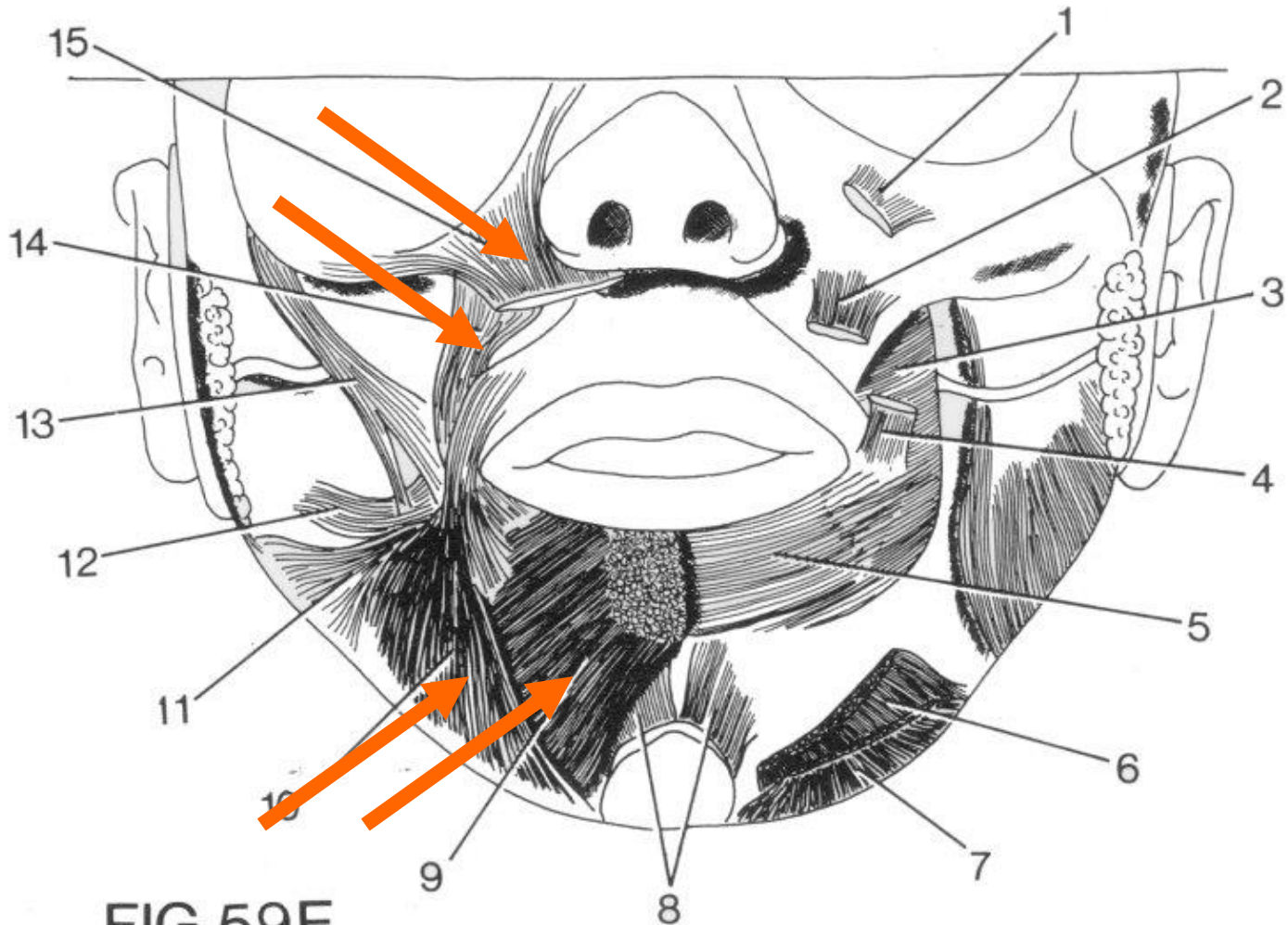


FIG.59E

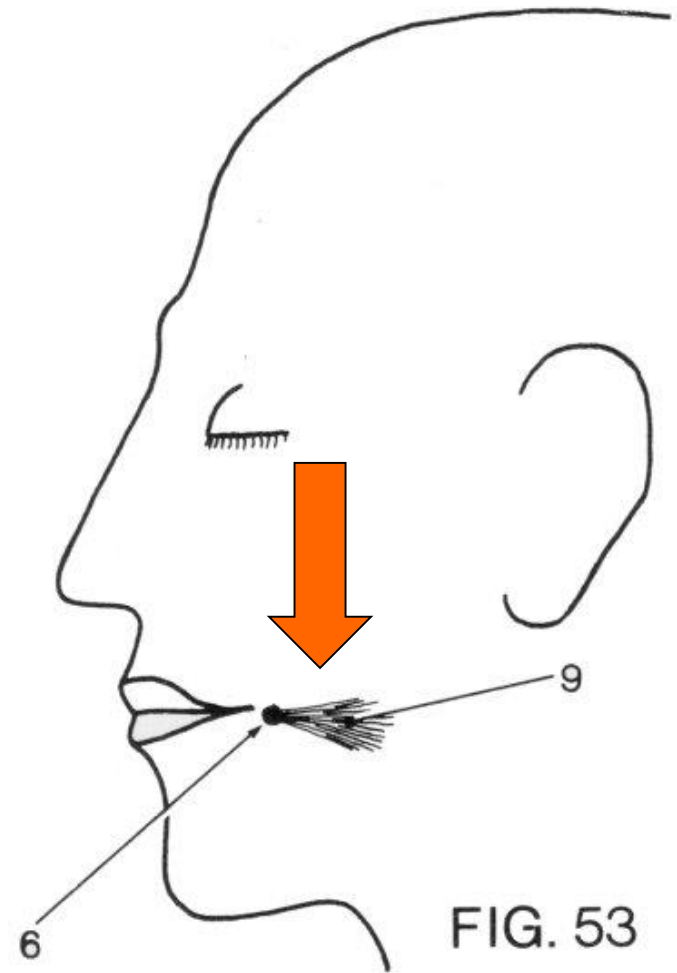
kindens muskler



- superficielle lag
- profunde lag

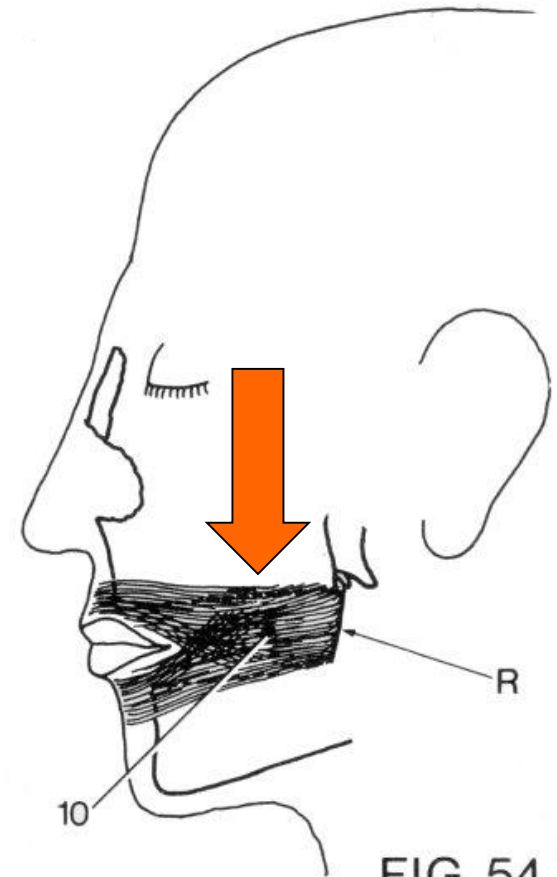
kindens muskler

- **superficielle lag**
 - **m. risorius (lattermusklen)**



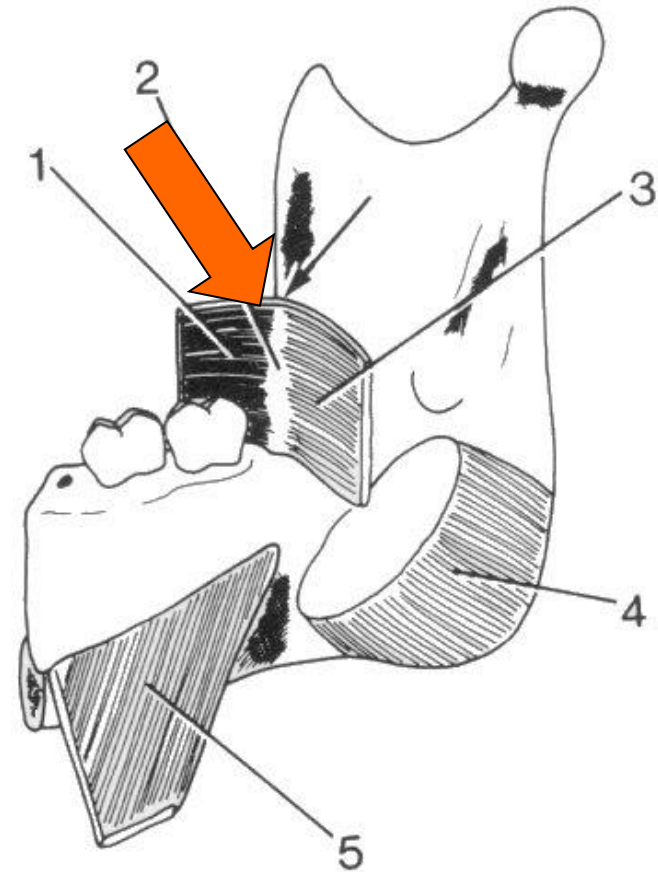
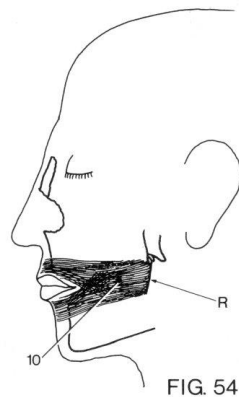
kindens muskler

- superficielle lag
 - m. risorius (lattertermusklen)
- **profunde lag**
 - m. buccinator



kindens muskler

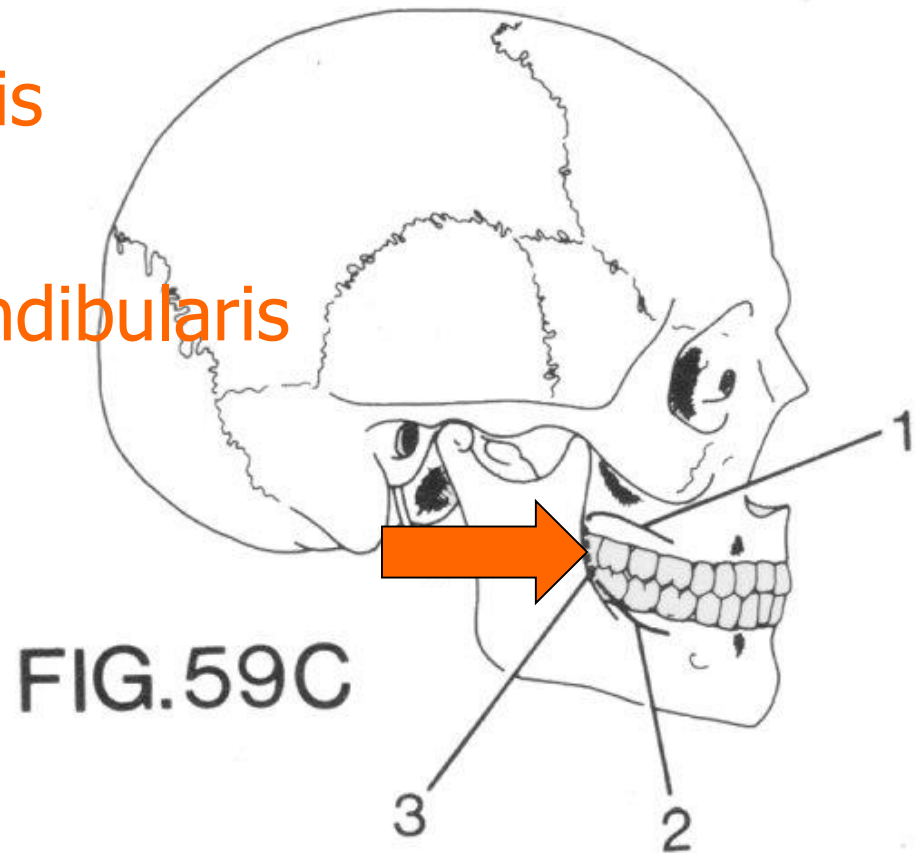
- superficielle lag
 - m. risorius (lattertermusklen)
- **profunde lag**
 - m. buccinator



m. buccinator

Udspring:

- Processus alveolaris
- Pars alveolaris
- Raphe pterygomandibularis



raphe pterygomandibularis

mellem knogleområderne:

- hamulus processus pterygoidei
- crista buccinatoria

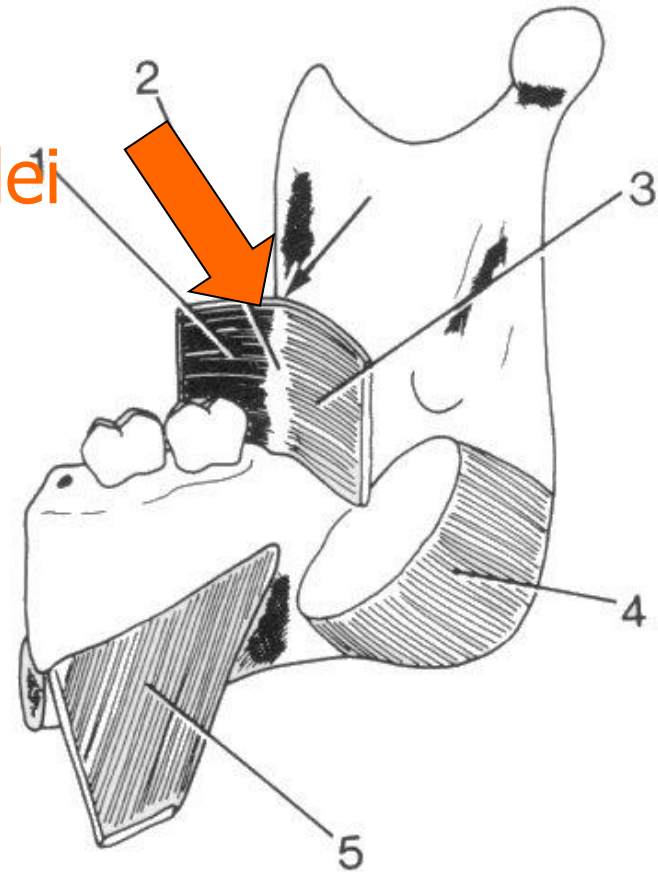
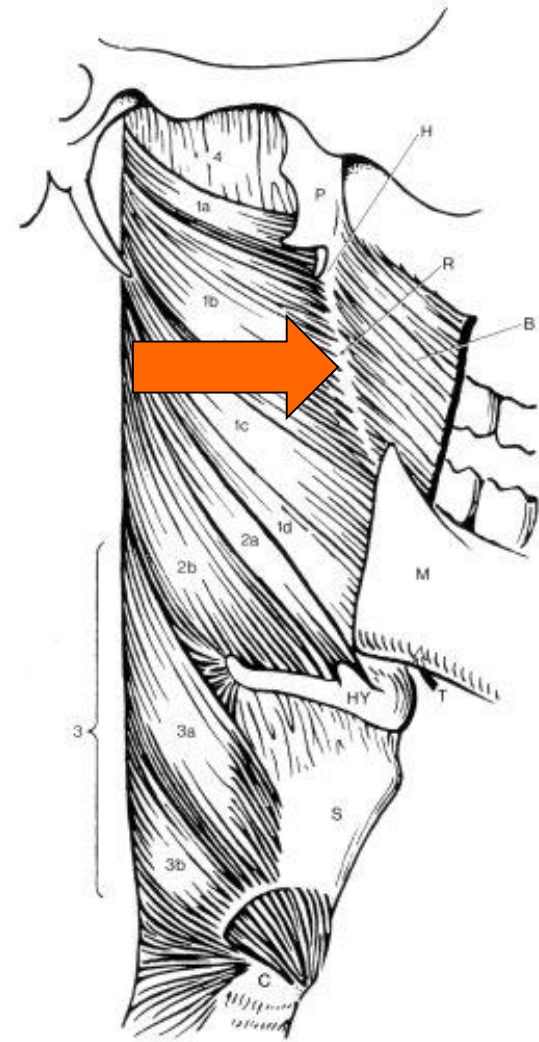


FIG. 59D

raphe pterygomandibularis

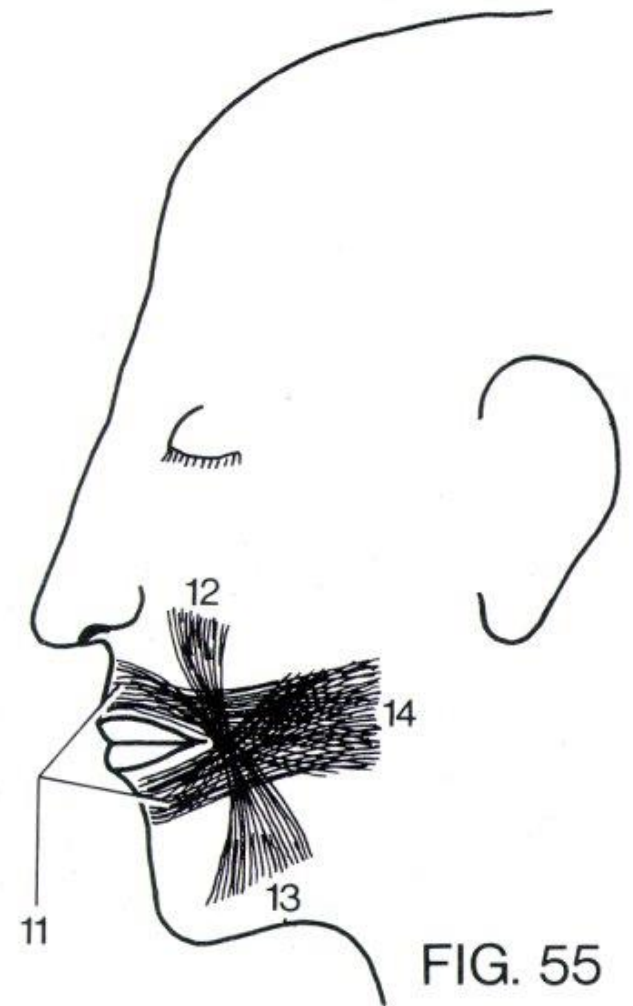
en sene mellem muskler

- m. buccinator
- m. buccopharyngeus



m. orbicularis oris

- får fibre fra 3 muskler:
 - m. buccinator
 - m. levator anguli oris
 - m. depressor anguli oris
- disse muskler hæfter ikke i huden



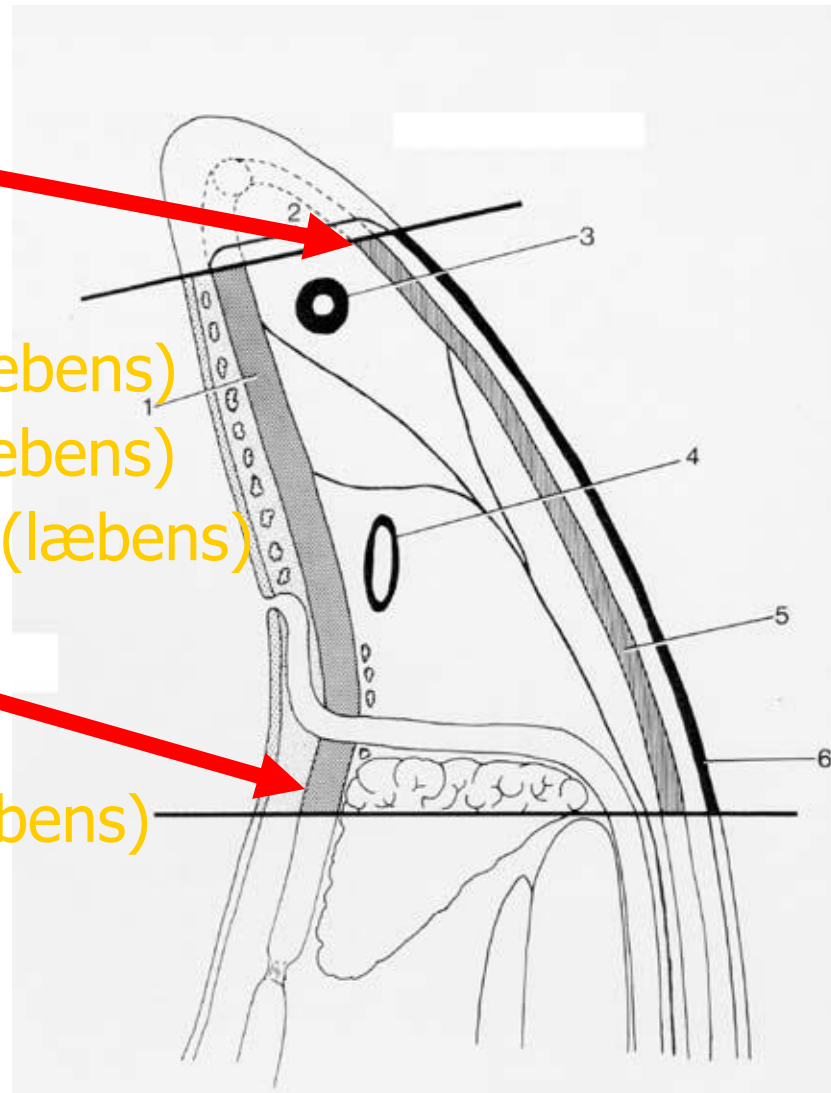
obs: "kindens muskler"

- Overfladisk lag

- m. risorius (kindens)
- platysma (halsens)
- m.zygomaticus major (læbens)
- m.zygomaticus minor (læbens)
- m. depressor anguli oris (læbens)

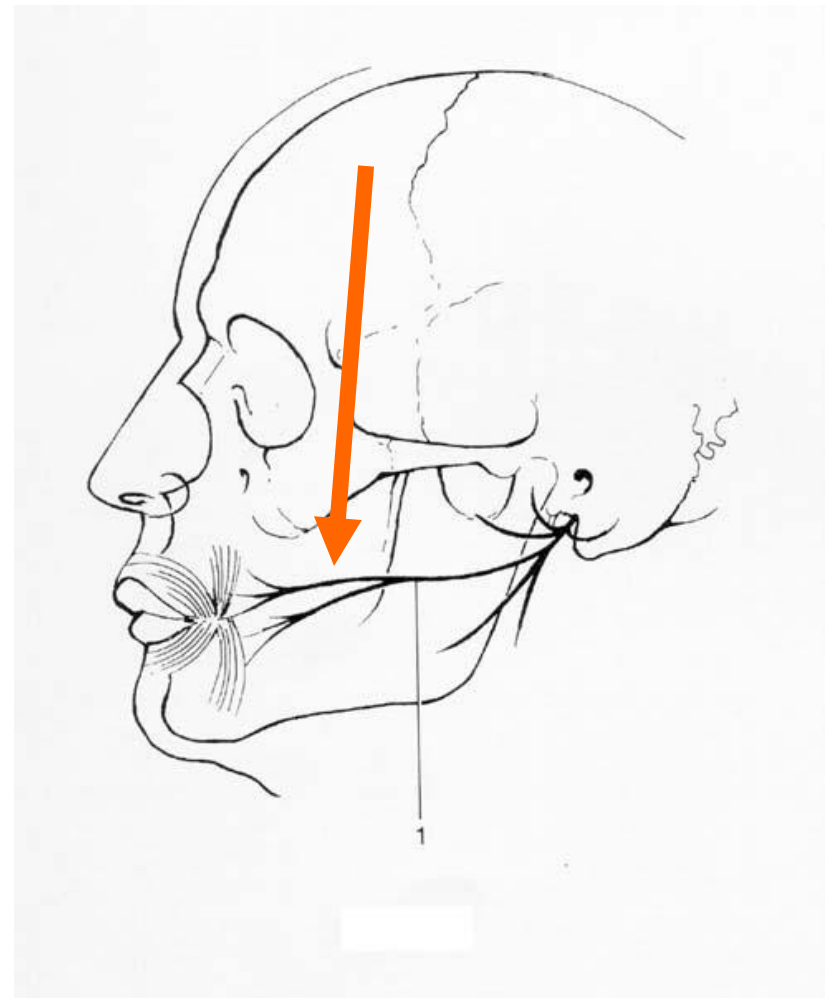
- Underliggende lag

- m.buccinator (kindens)
- m.levator anguli oris (læbens)



innervation

- mundens muskler:
grene fra *n. facialis*



hagens muskler

- **m. mentalis**
 - udspring:
 - corpus mandibula
 - tilhæftning
 - hagens hud

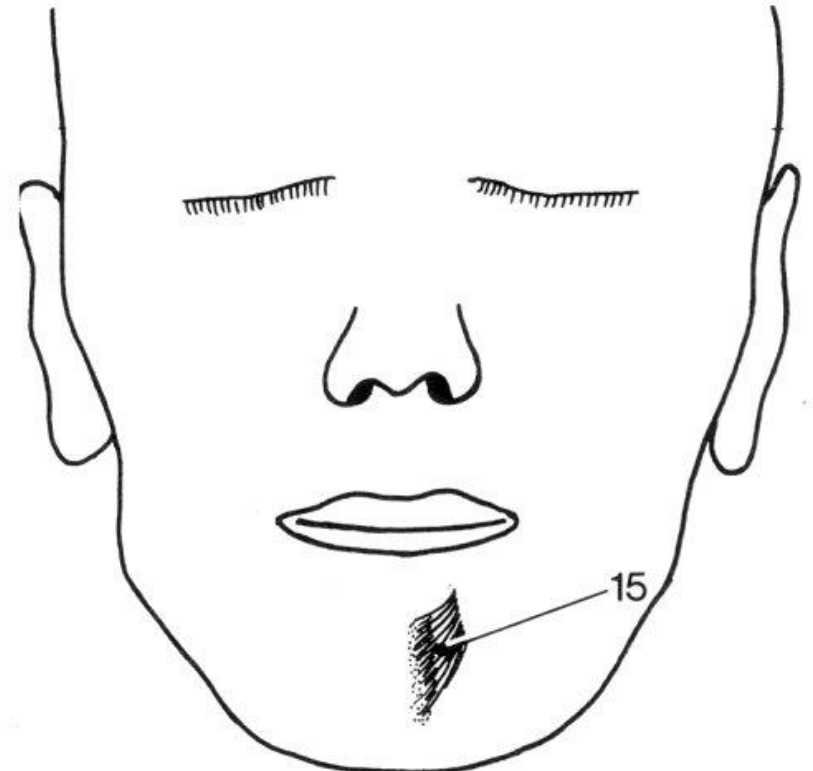


FIG. 56

ansigtsmuskler i øvrigt

• ØJEÅBNINGENS MUSKLER

- m. corrugator supercilii
 - rynker øjenbrynet
- m. orbicularis oculi
 - perifer del: sammenknibning af øje
 - central del: alm. blink

• NÆSENS MUSKLER

- m. nasalis

• ØREÅBNINGENS MUSKLER

- rudimentære

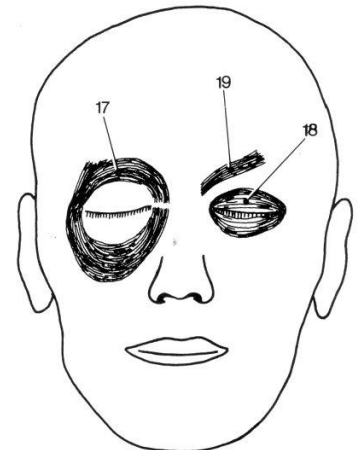


FIG. 58

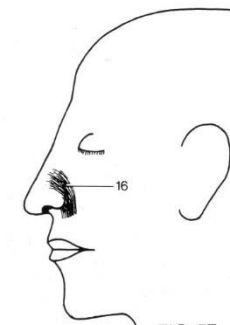
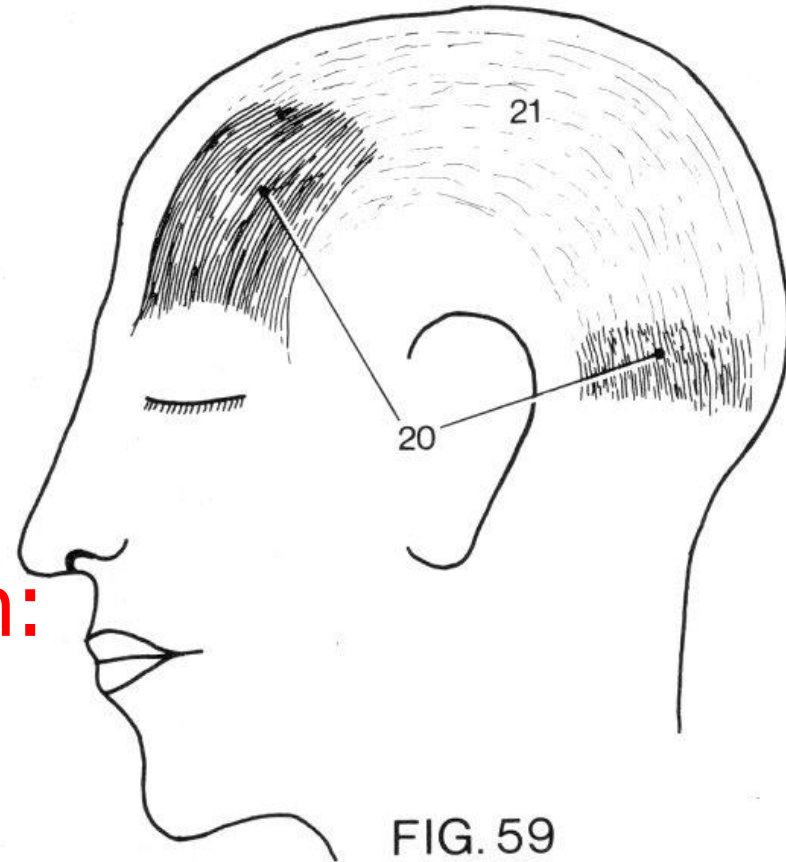


FIG. 57

hovedskallens muskel

- m. occipitofrontalis
- er lokaliseret mellem:
 - linea nuchae superior
 - øvre kant af øjenhulen
 - tindingeregionen
- har en flad sene i midten:
 - galea aponeurotica



referencer/links

- P.A. Knudsen, Grundbog i Anatomi, Basismodul bind 1, pp 253-265, 276-280, 1986 (pensum)
- <http://www.vh.org/Providers/Textbooks/AnatomicVariants/MuscleGroupings/16Trigeminal.html>
- <http://starnet.esc20.net/anatomy/muscltissue.htm>
- <http://www.teaching-biomed.man.ac.uk/surtees/tester/mm.htm>
- <http://www.anatomy.org/anatomy/nresource.htm>



