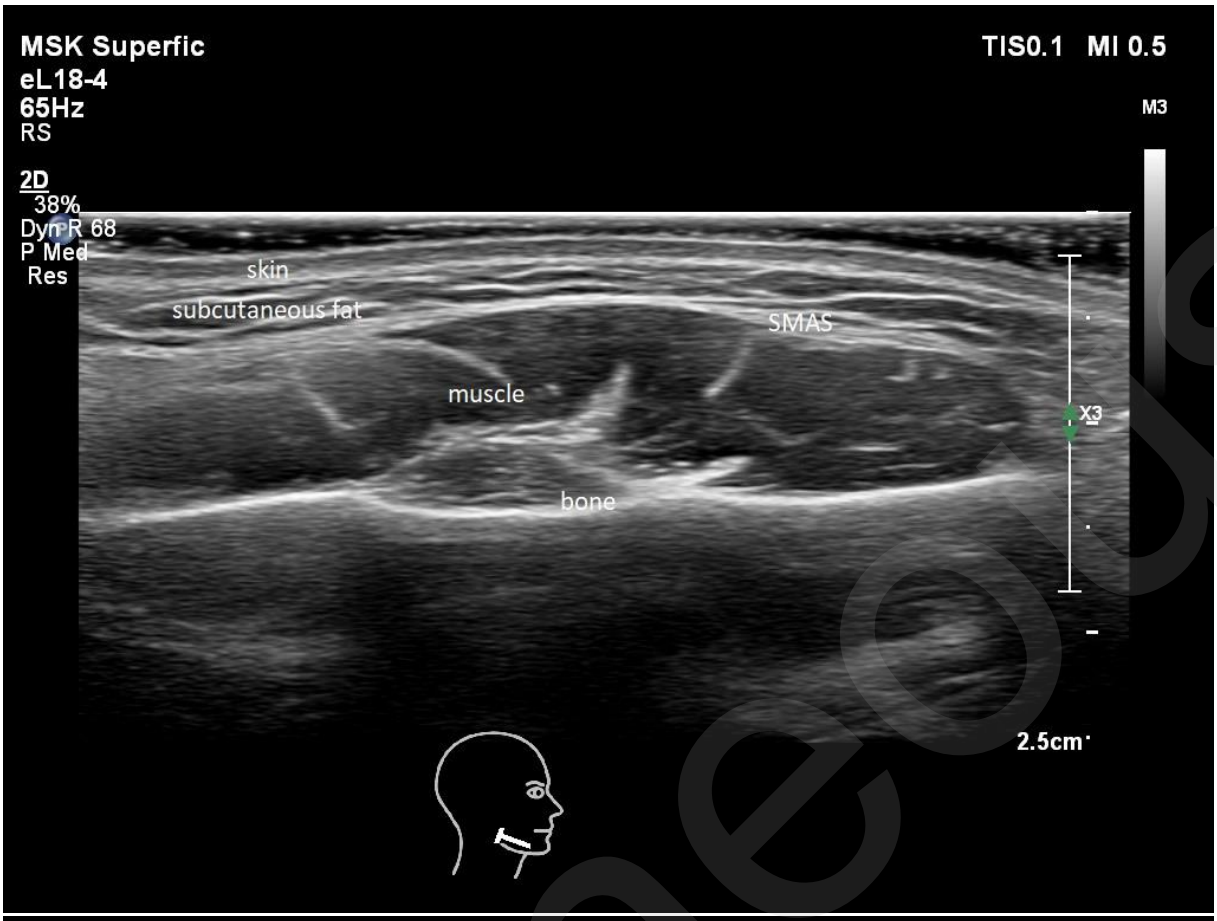
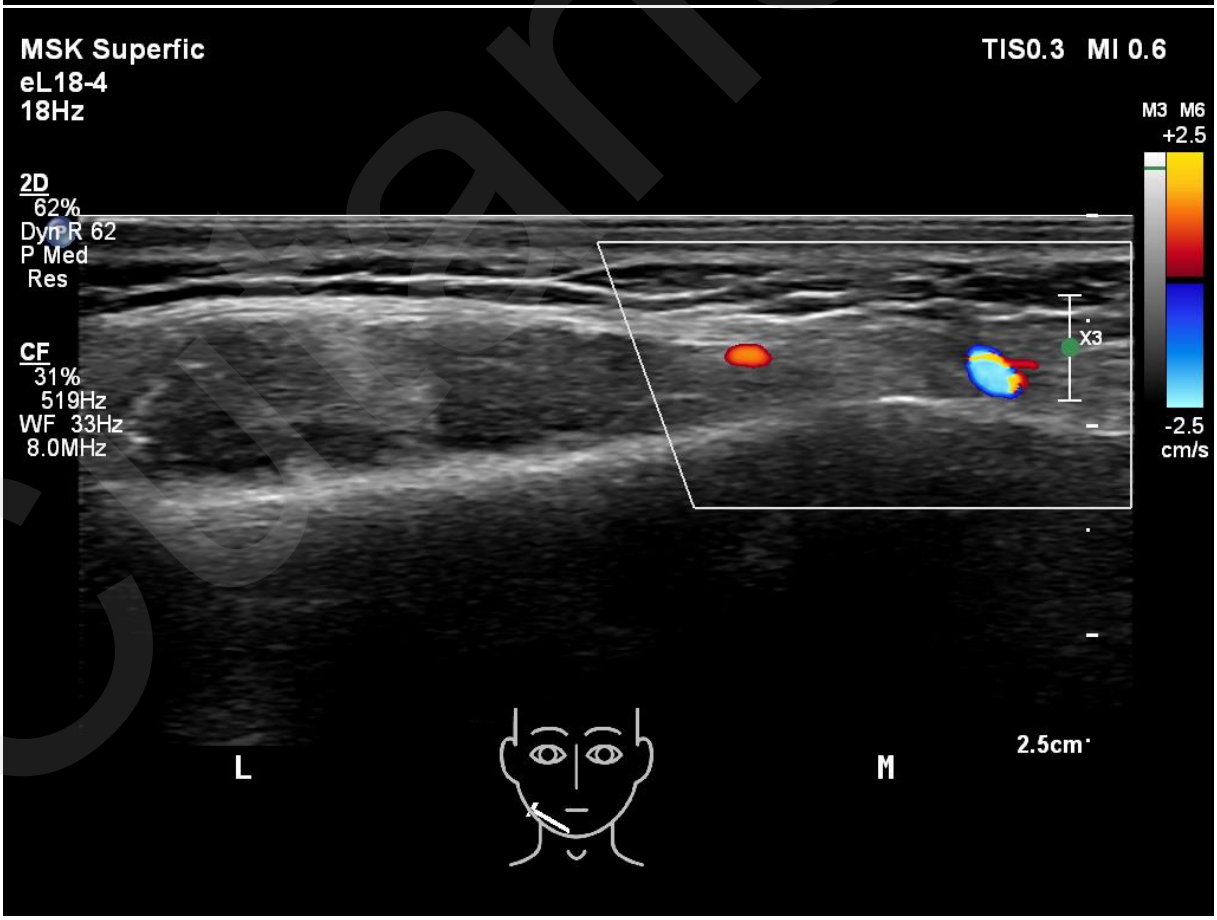
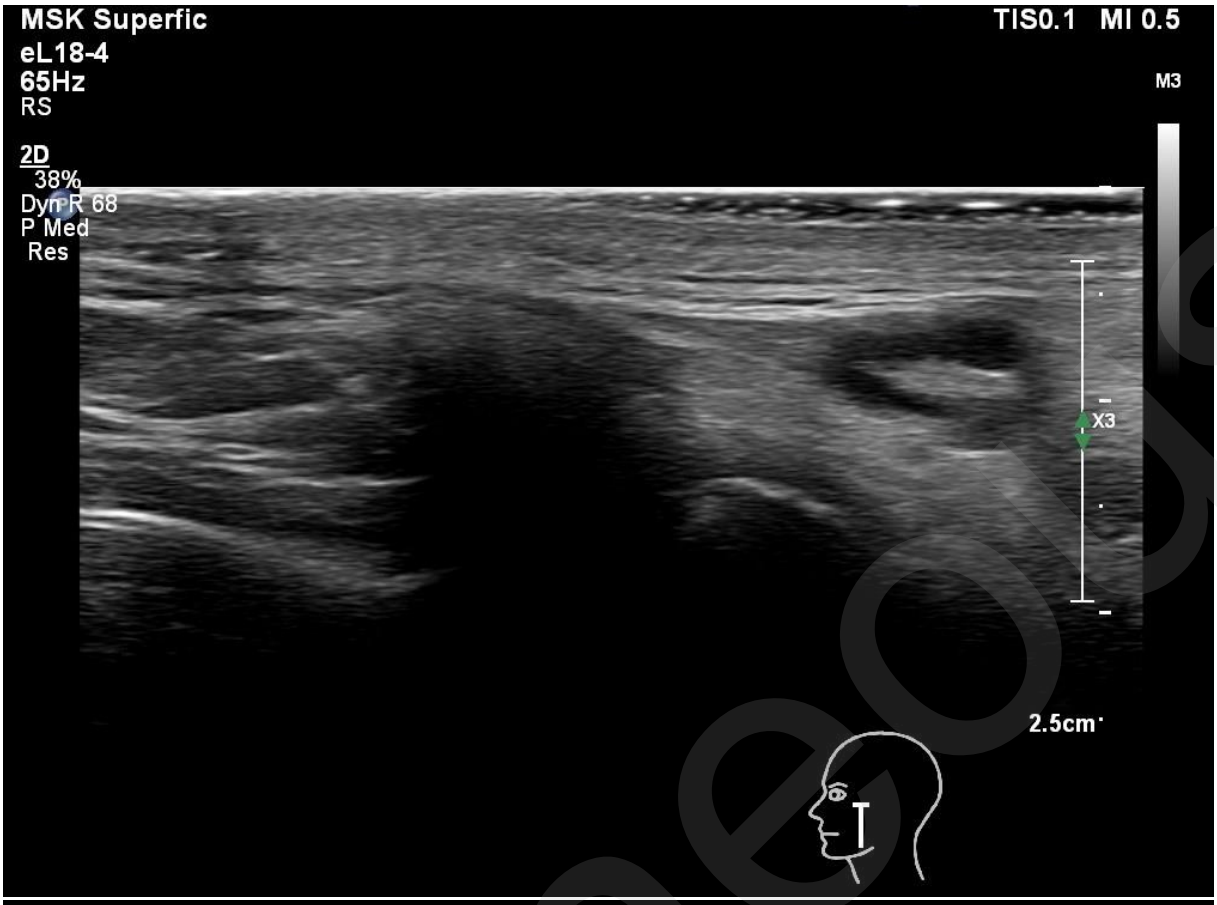
STANDARD POSITION 1: JAWLINE

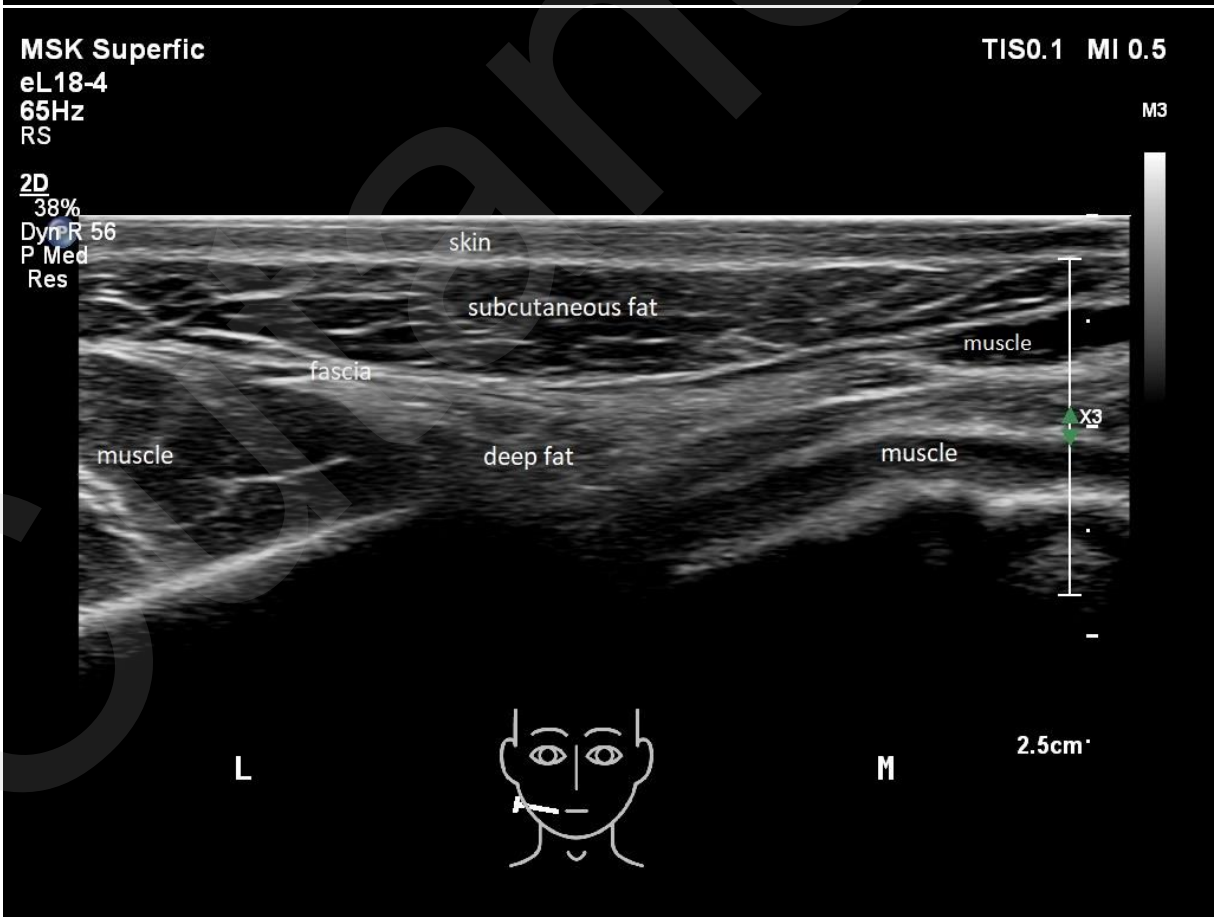
Cutaneous


MSK Superfic
eL18-4
65Hz
RS
2D
38%
Dyn R 68
P Med
Res
TIS0.1 MI 0.5
M3
skin
subcutaneous fat
SMAS
muscle
bone
X3
2.5cm


MSK Superfic
eL18-4
18Hz
2D
62%
Dyn R 62
P Med
Res
CF
31%
519Hz
WF 33Hz
8.0MHz
TIS0.3 MI 0.6
M3 M6
+2.5
-2.5
cm/s
X3
2.5cm
L
M

Cutaneous


MSK Superfic
eL18-4
65Hz
RS
2D
38%
Dyn R 68
P Med
Res
TIS0.1 MI 0.5
M3
X3
2.5cm


MSK Superfic
eL18-4
65Hz
RS
2D
38%
Dyn R 56
P Med
Res
TIS0.1 MI 0.5
M3
skin
subcutaneous fat
fascia
muscle
muscle
deep fat
muscle
X3
2.5cm
L
M

Standard Position 1: JAWLINE

- Subcutaneous fat. Where is it the thickest? Measure in centimeters. Mark this spot on your model.
  We would like to compare that with each other. Is thickness related to age? To BMI?

- SMAS. Where does it end medially, cranially (near the eyes, at the zygoma)?
  Is there any deep fat pad visible that you can inject filler in?

- Muscle: Follow the masseter cranially. Where does it ends? Can you distinguish between the ventral and the dorsal part?
  Where would you put your toxin injections?

- Measurement: Record the maximal and minimal width of the subcutaneous tissue above parotid gland on both sides (vertical along the ear and horizontal along the masseter)
  How much mm do you have to inject your filler? What type of filler would you use?

Vessels

- Located the facial vein and artery lateral to the belly of the masseter muscle without using duplex mode. Mark them on your model. Check with the duplex on. Are you looking at veins or arteries?
  Observe where you would have caused a hematoma 😉

- Identify the vein with duplex by different methods available
  a. observe the pulse pattern
  b. disappearance by compression
  c. using blood flow measurement

  Which do you like best?
  Observe difference in vessel width when changing the gain on your machine

- Follow the vein upwards to the medial corner of the eye
  See how wide this vein is and how easy you can cause a hematoma.

- Locate the facial artery medial from the masseter. Mark the presence of the artery on the skin.
  What is the prevailing color (red/blue)?
  When you turn your probe 180^{o} what is the prevailing color (red/blue)?
  When you turn the prove 90^{o}. Can you still find a signal?
  (it may disappear because there is no flow towards or away from the probe)

Cutaneous

Fillers

If you see any filler in your model:

- What type of filler is it?
- Is it injected in the correct plane?

Additional exercises

- Follow the artery cranially to the medial corner of the eye
- Find the transverse facial artery in the parotid gland. Try to follow it medially

Cutaneous