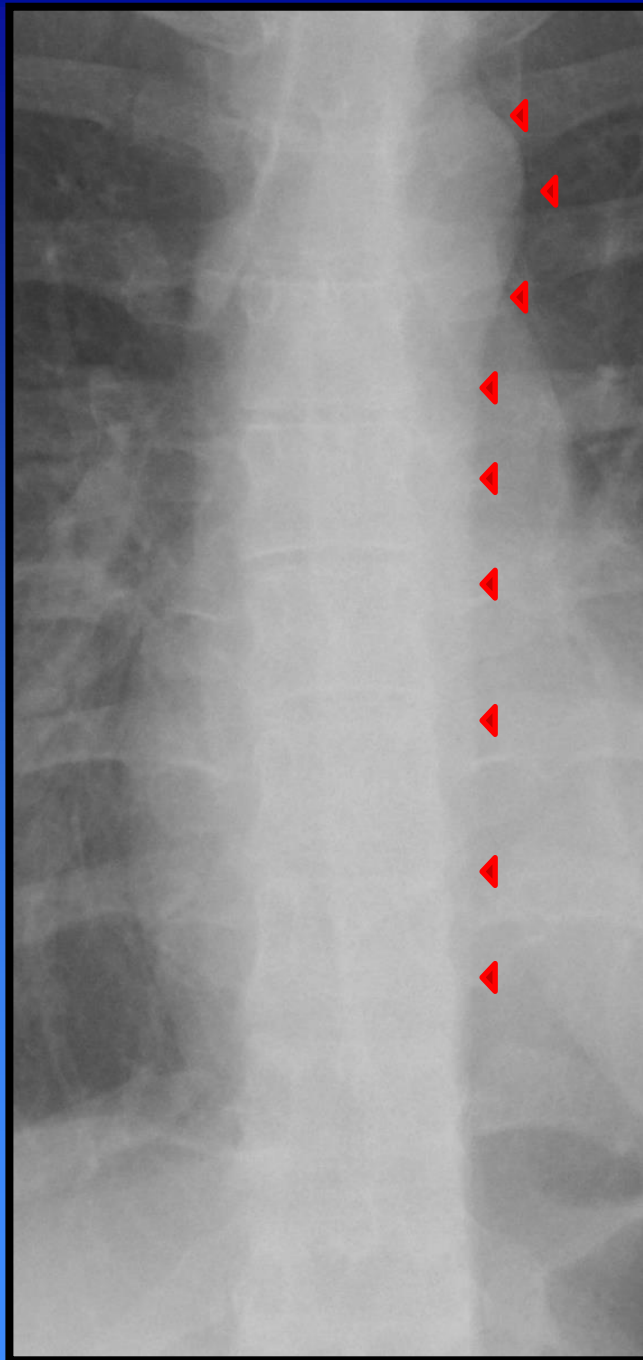
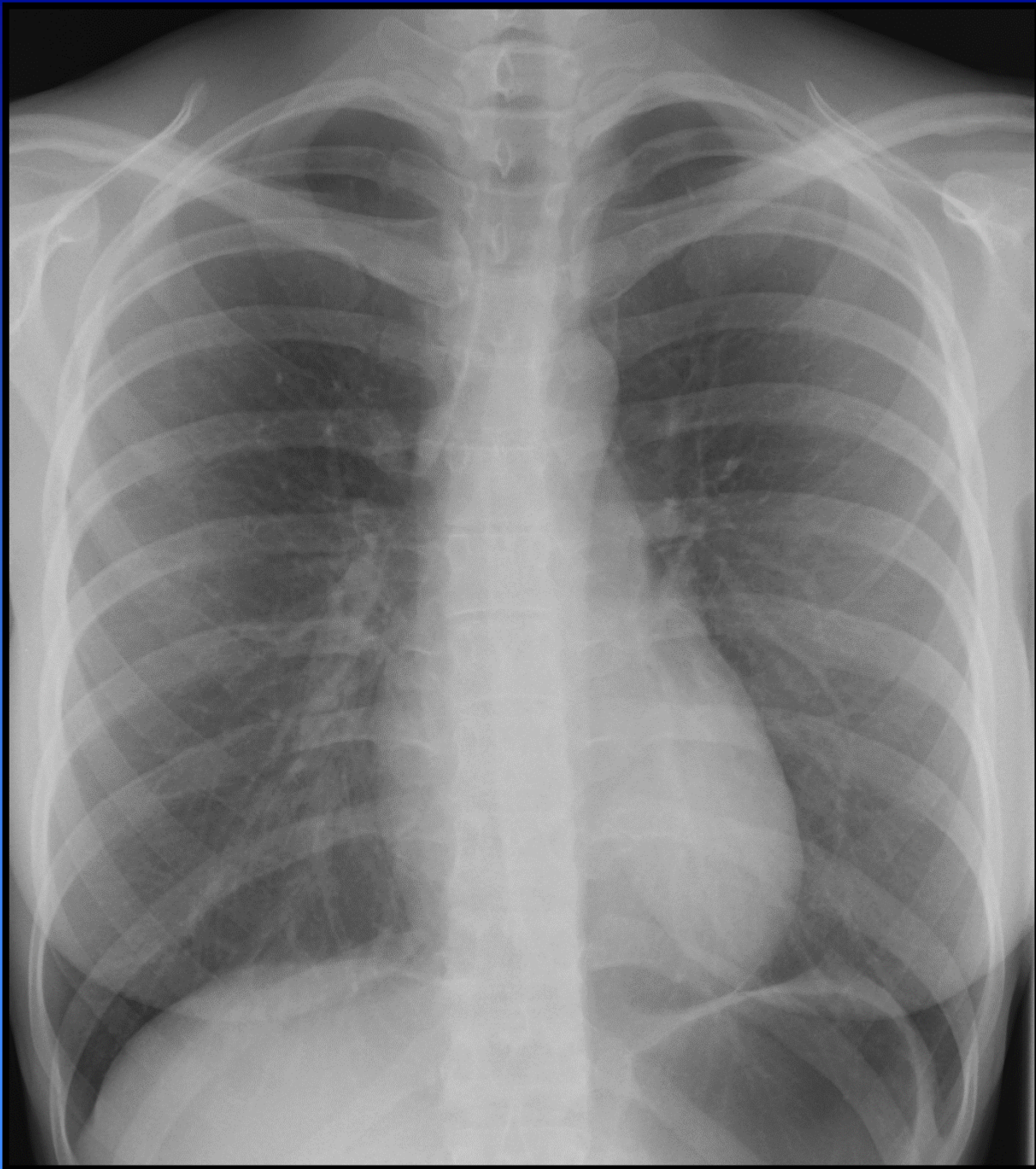
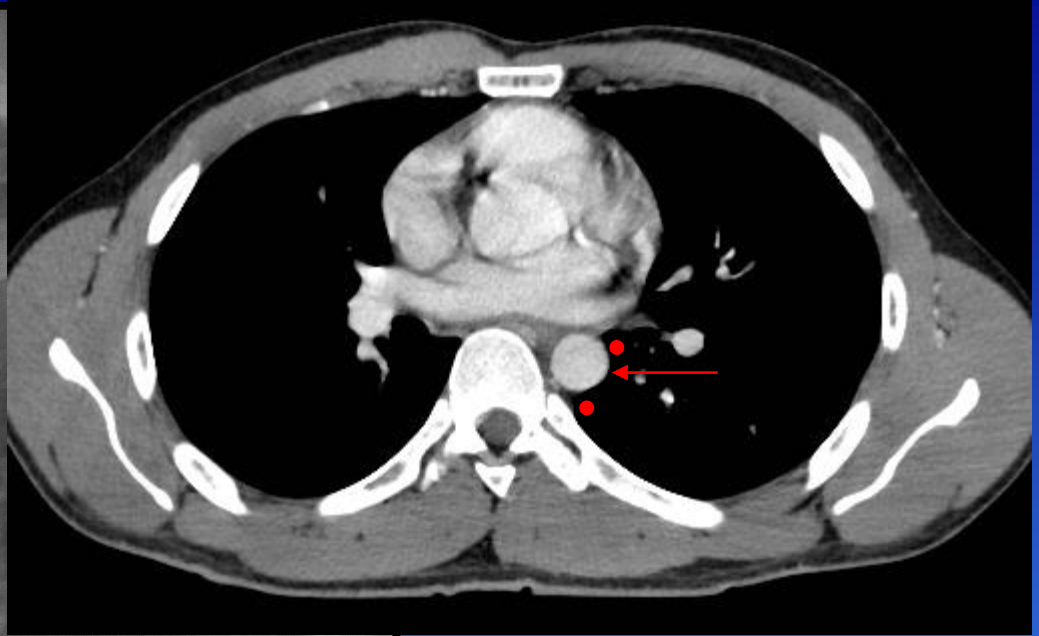
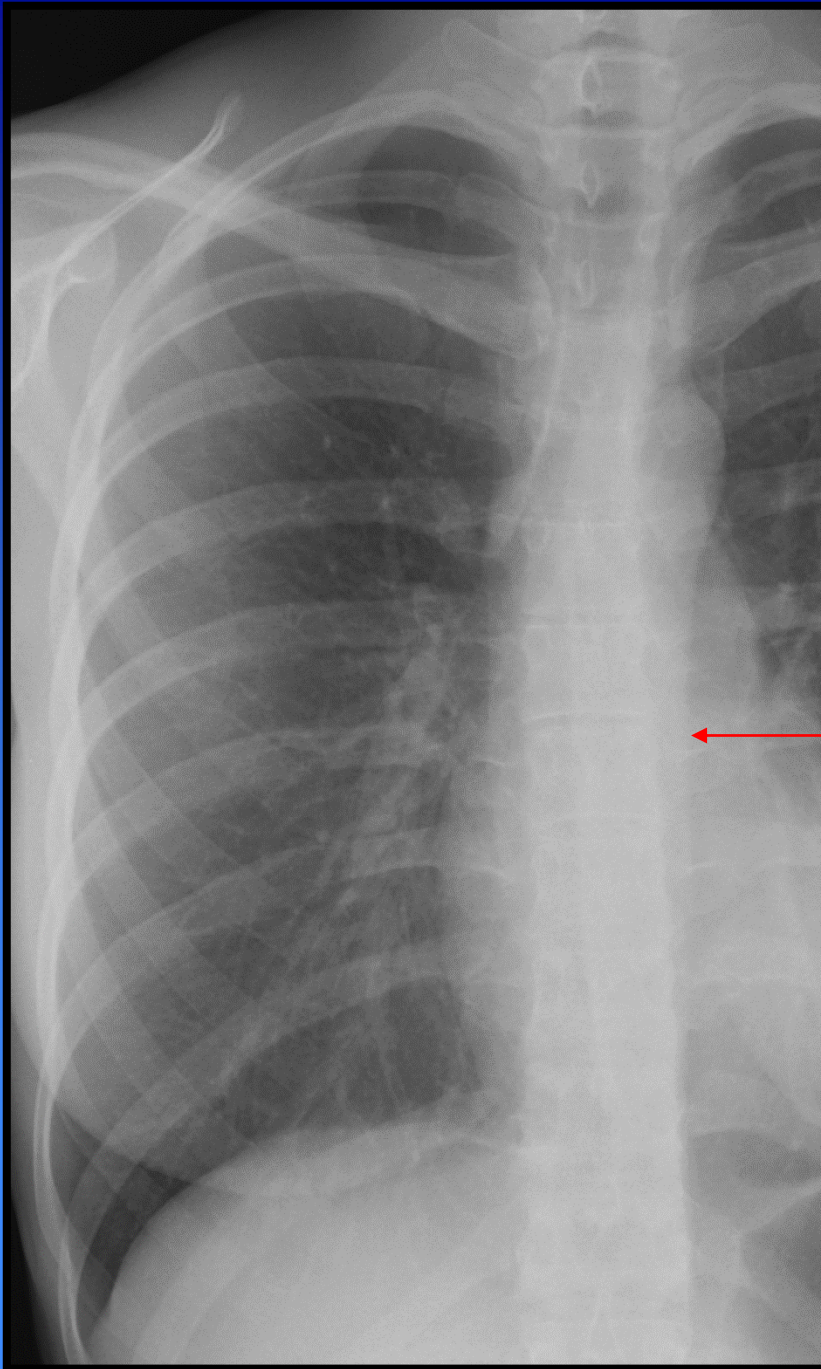


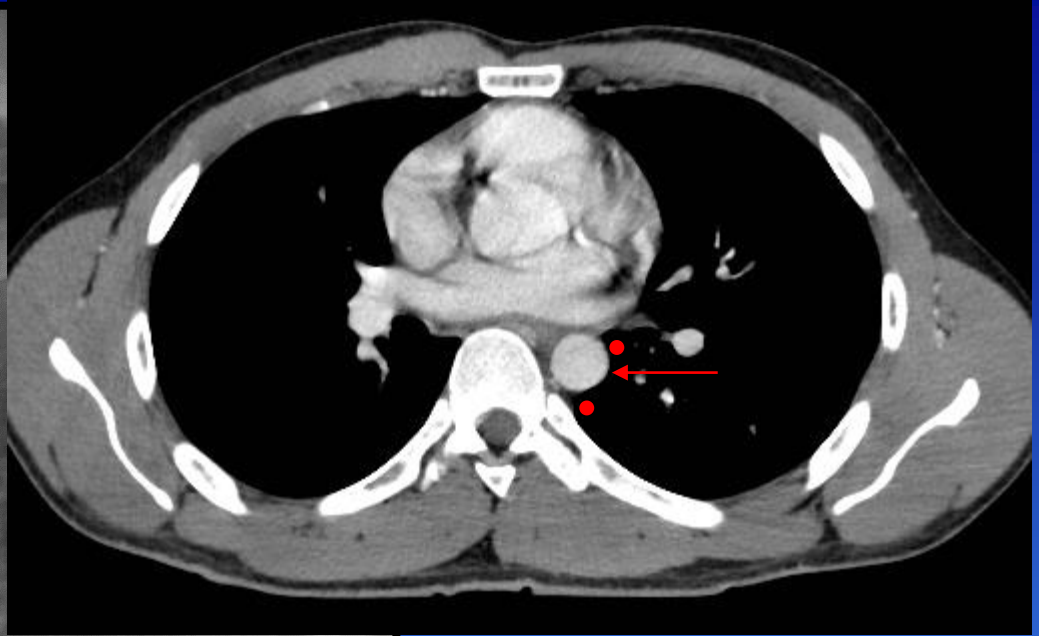
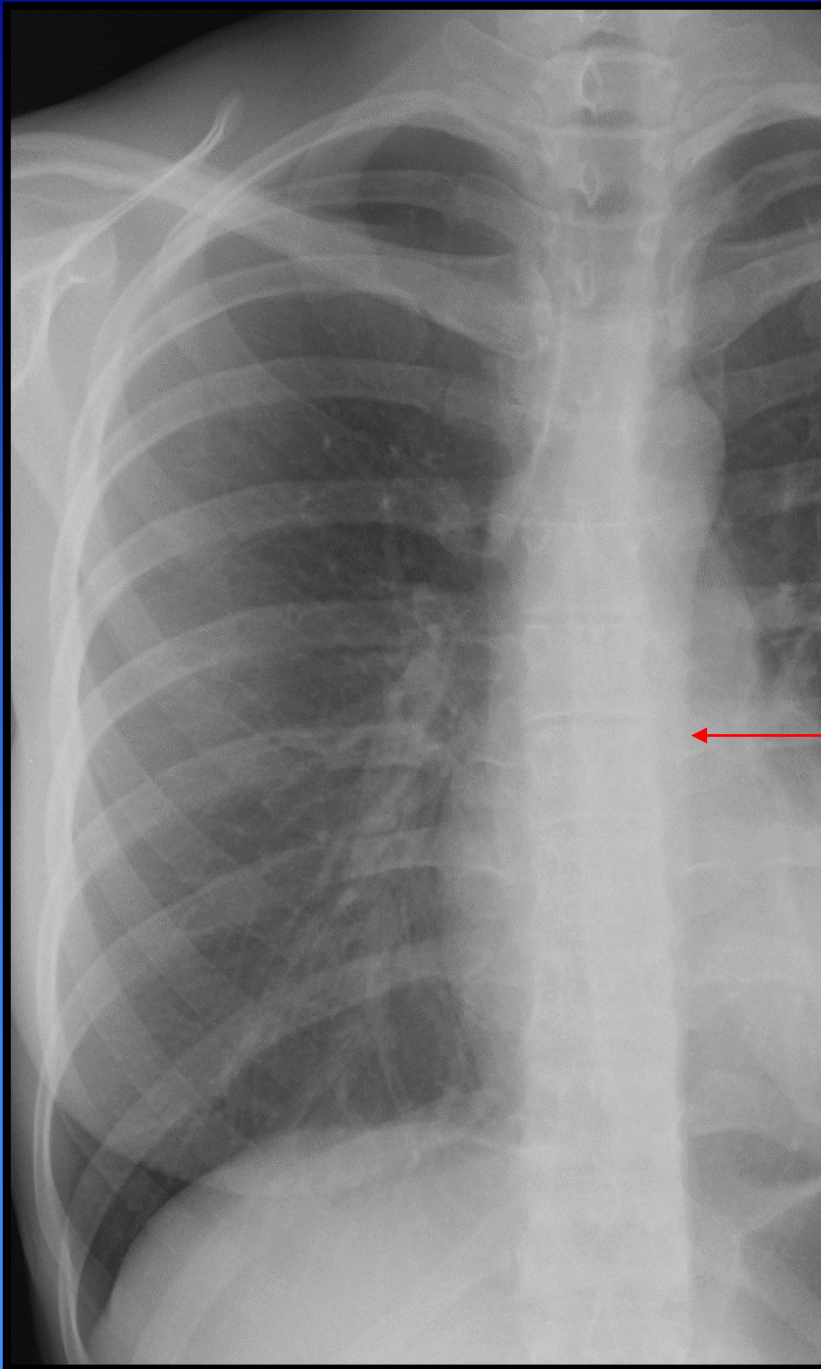
Thorax II

Michel Bach Hellfritzsch

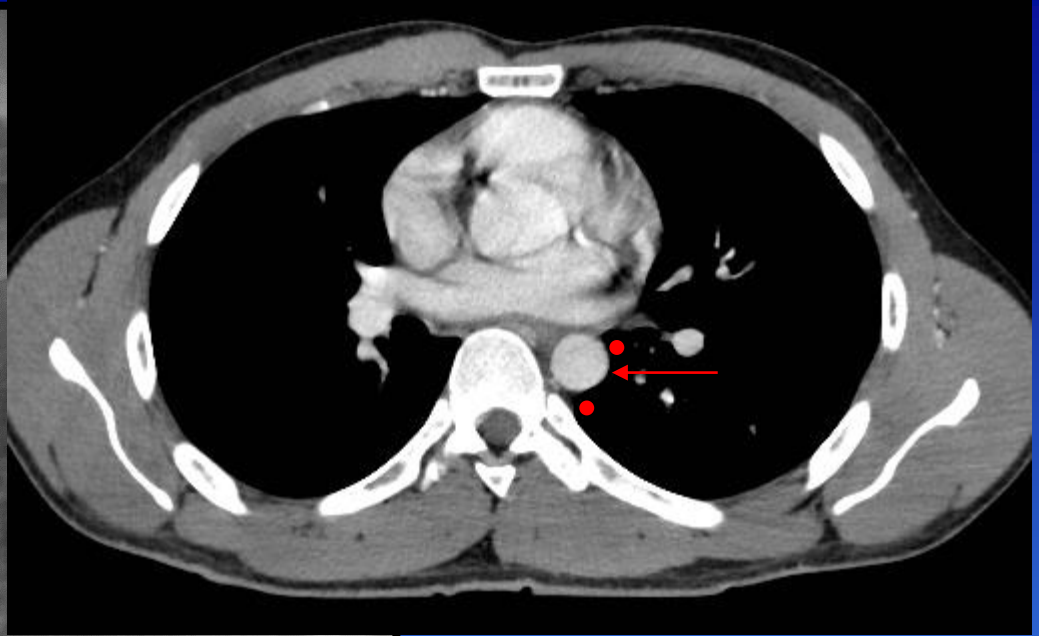
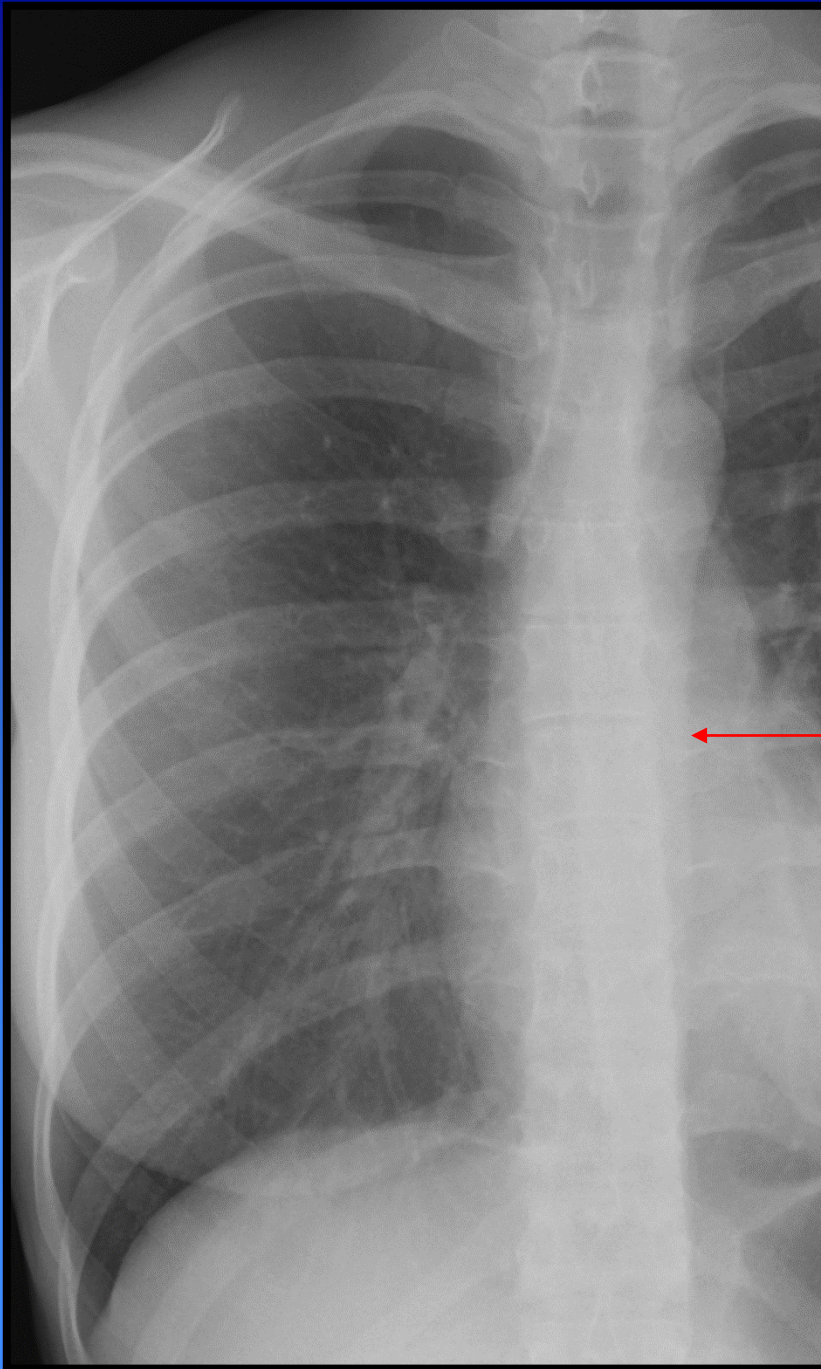
Aorta på røntgen af thorax



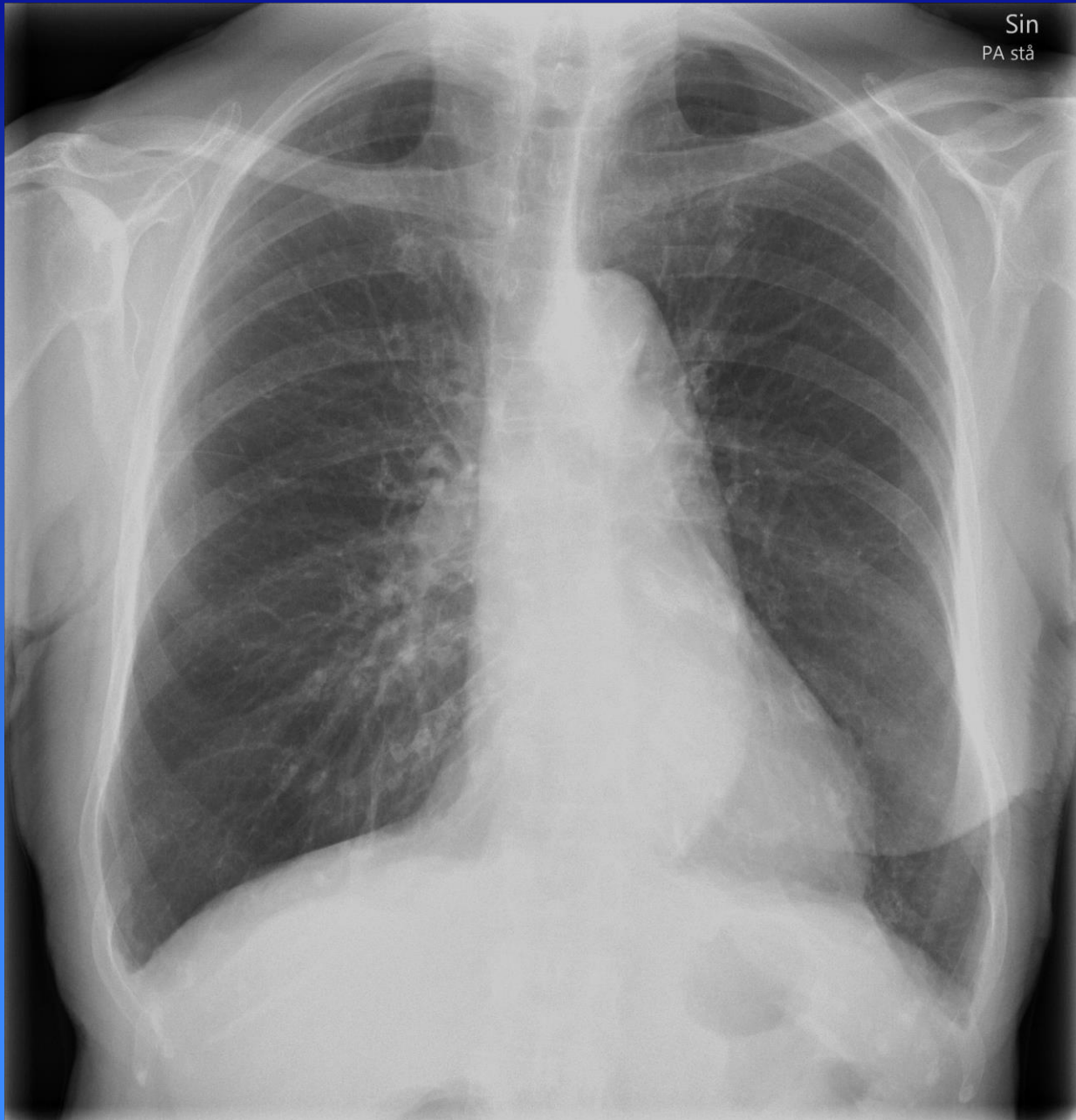




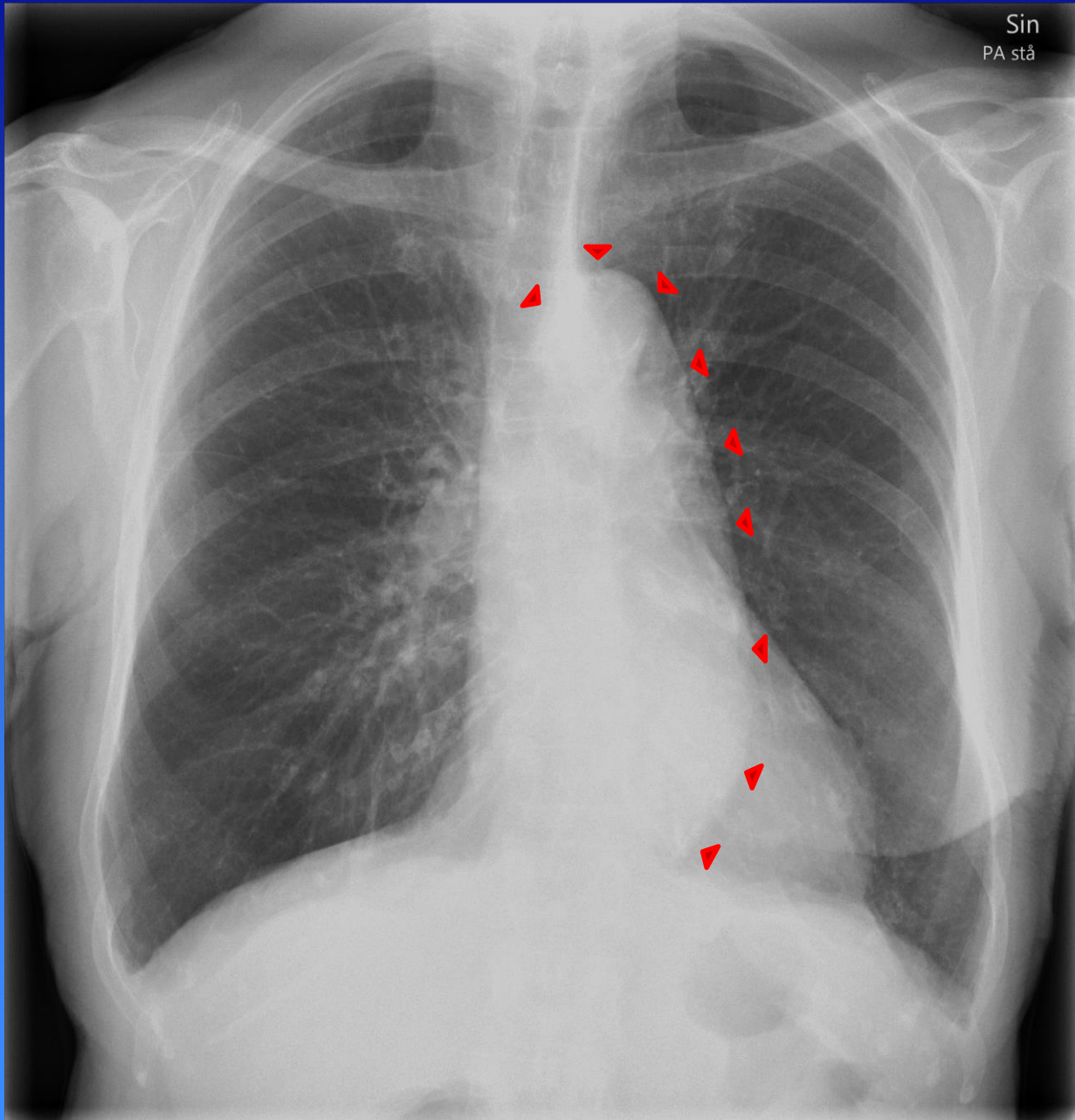
Aorta ses veldefineret lateralt, fordi der er luftfyldt lungevæv, såvel anteriort som posteriort for aorta, se CT billedet ovenfor. Er det den samme person der er undersøgt på røntgenbilledet og CT skanningen? (Svar på næste side).



Aorta ses veldefineret lateralt, fordi der er luftfyldt lungevæv, såvel anteriort som posteriort for aorta, se CT billedet ovenfor. Er det den samme person der er undersøgt på røntgenbilledet og CT skanningen? Nej for røntgenbilledet er af en kvinde og CT skanningen er af en mand.



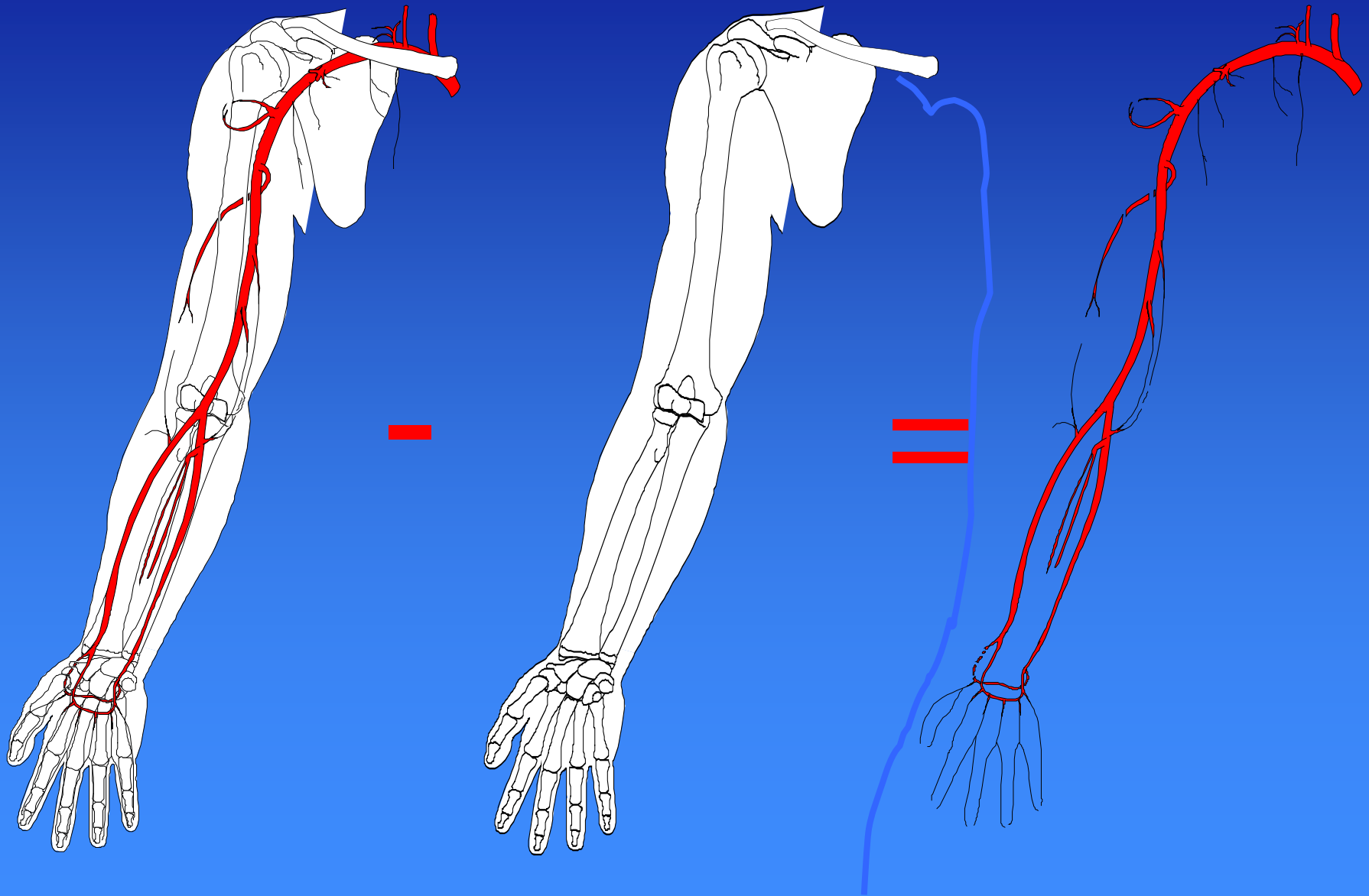
Ældre kvinde.



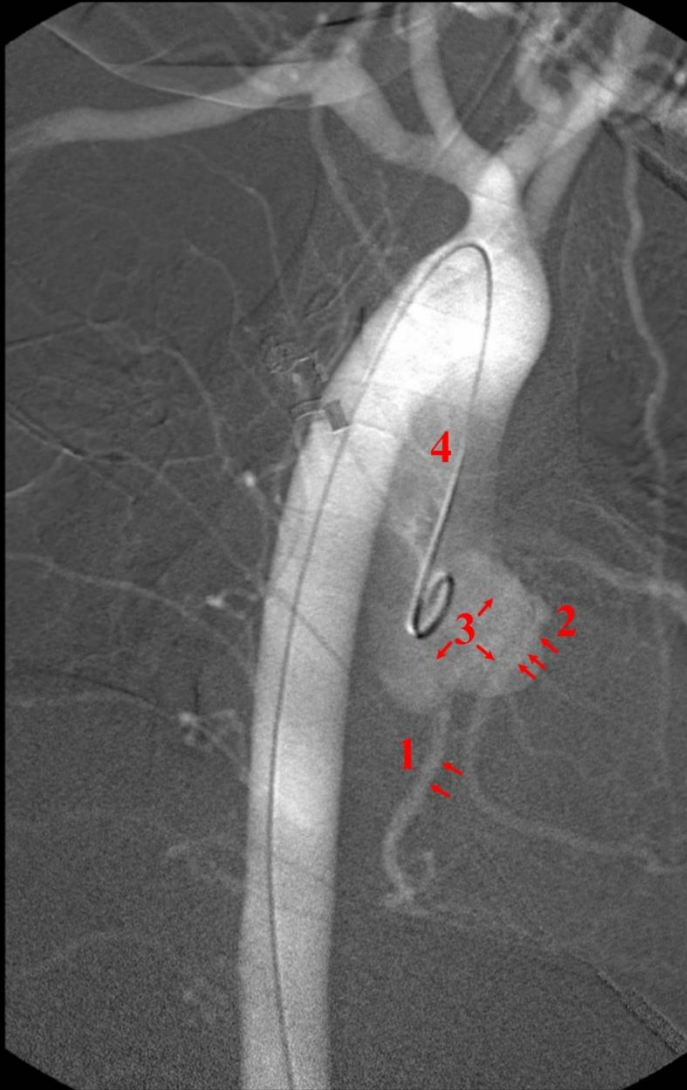
Ældre kvinde med
ectasia aortae:
Aldersbetinget
udvidelse af aorta.
Bemærk endvidere at
der er foretaget
højresidig mastectomi
(fjernelse af brystet),
der er ingen mamma
skygge på højre side

Undersøgelse af aorta

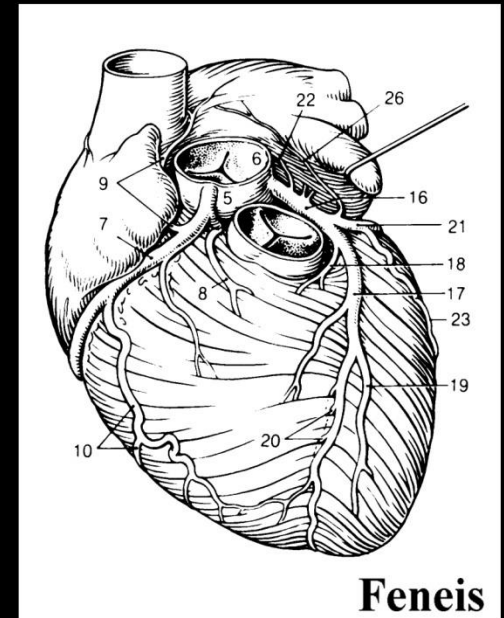
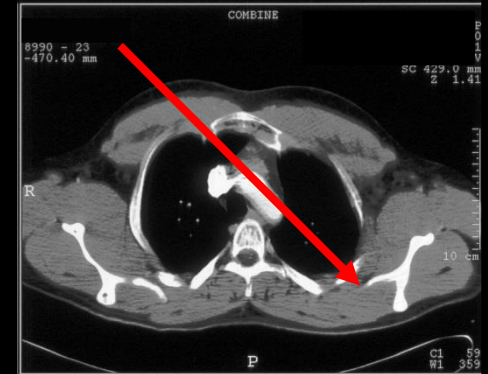
DSA: Digital subtraktions angiografi

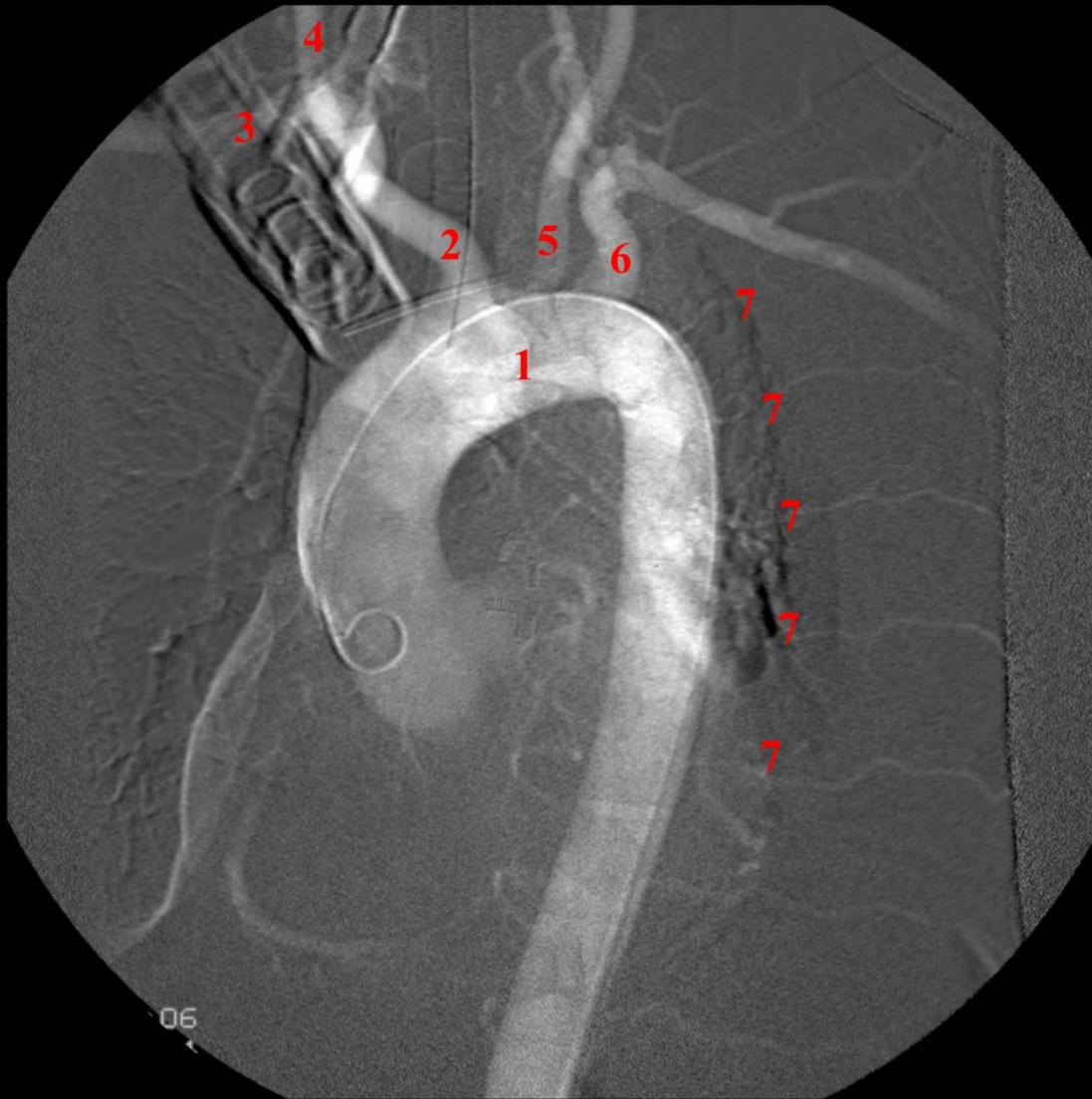


Aortografi

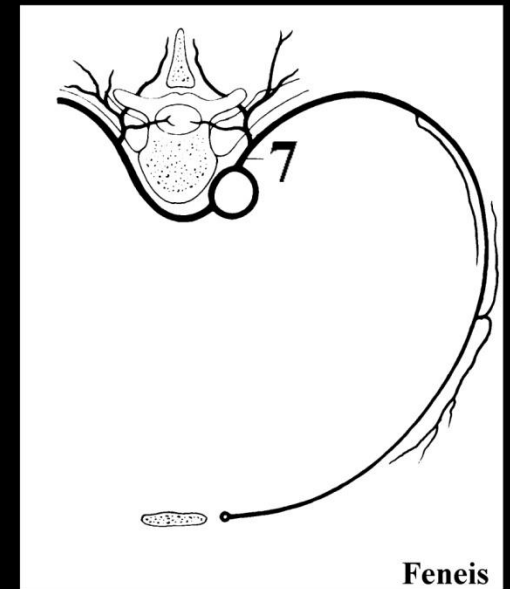


- 1) A. coronaria dextra
- 2) A. coronaria sinistra
- 3) Bulbus aortae
- 4) Pars ascendens aortae





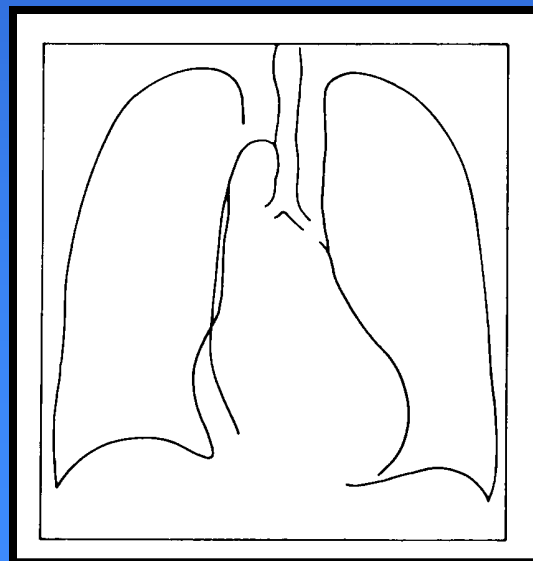
- 1) Arcus aortae
- 2) Truncus brachiocephalicus
- 3) A. subclavia dextra
- 4) A. carotis communis dextra
- 5) A. carotis communis sinistra
- 6) A. subclavia sinistra
- 7) A. intercostales posteriores



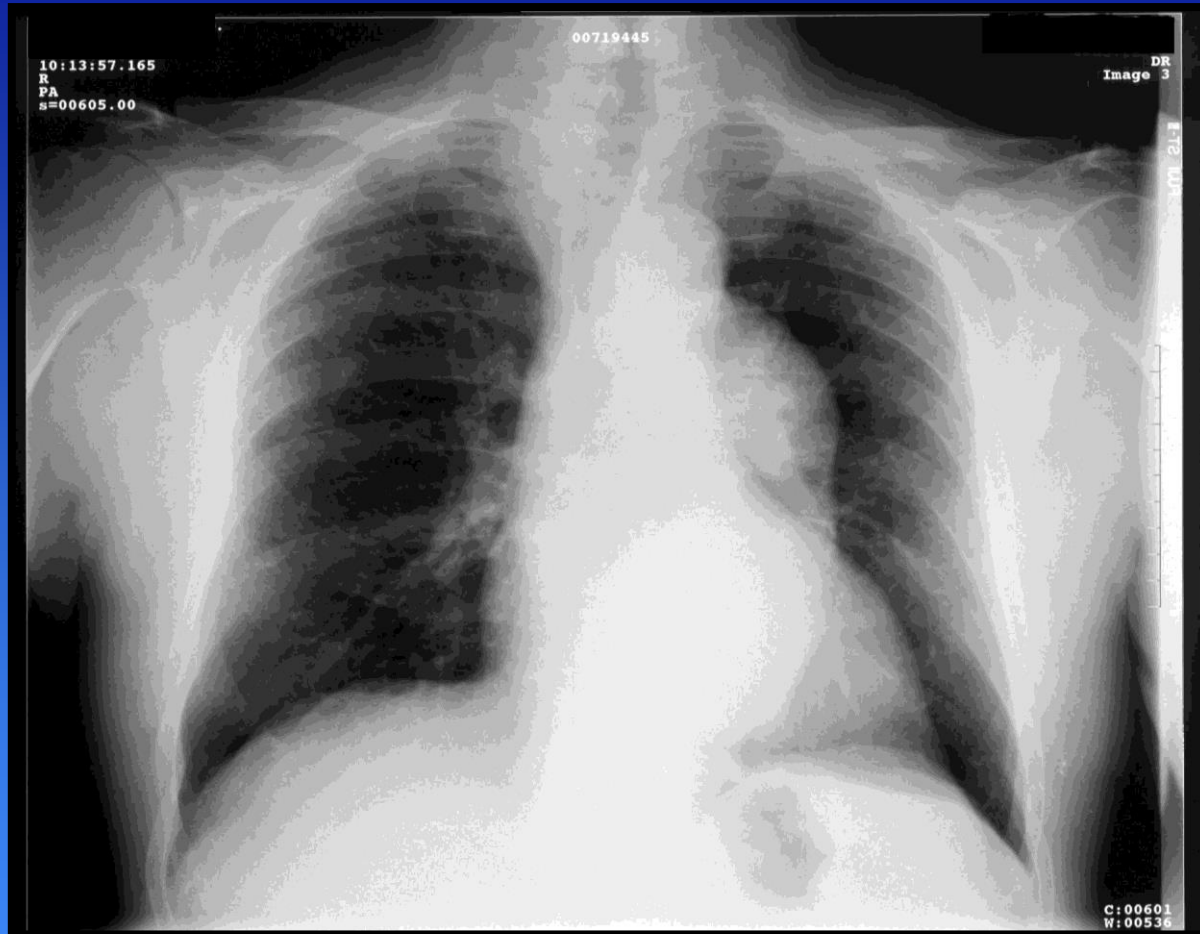


Normal
undersøgelse?

- 1) Ja
- 2) Nej



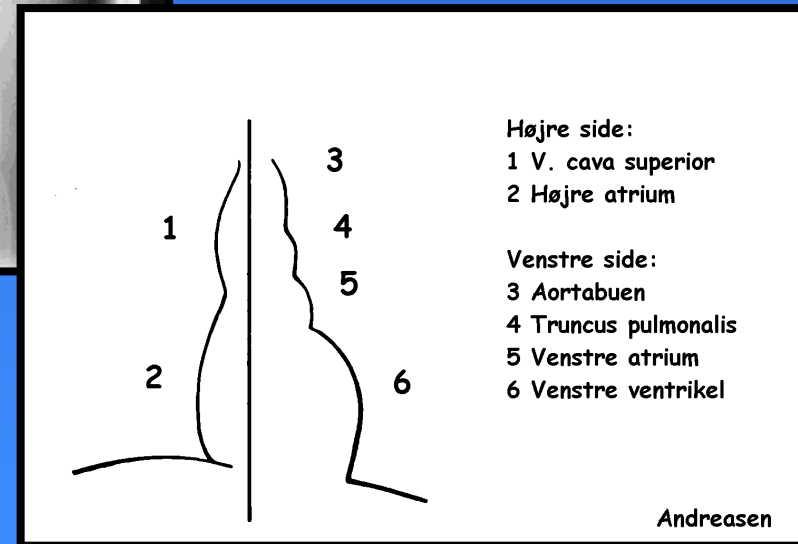
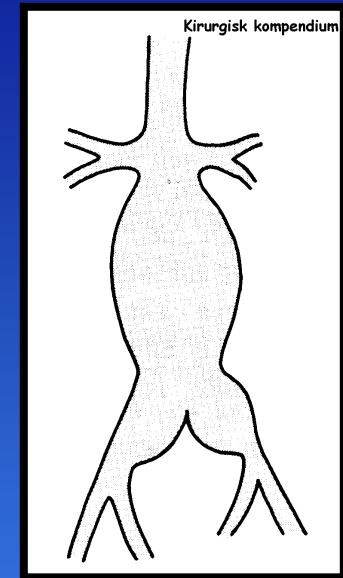
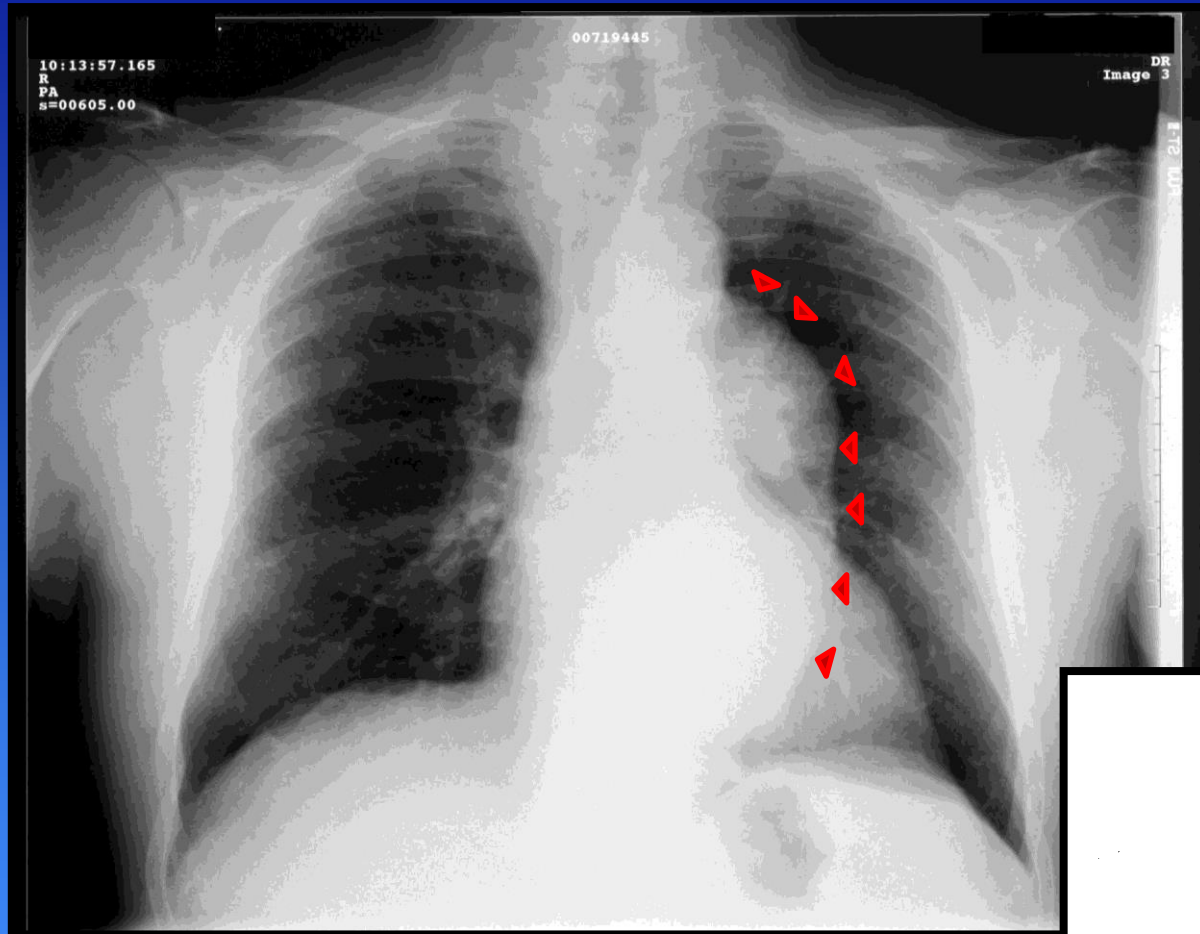
Ældre mand



Normal
undersøgelse?

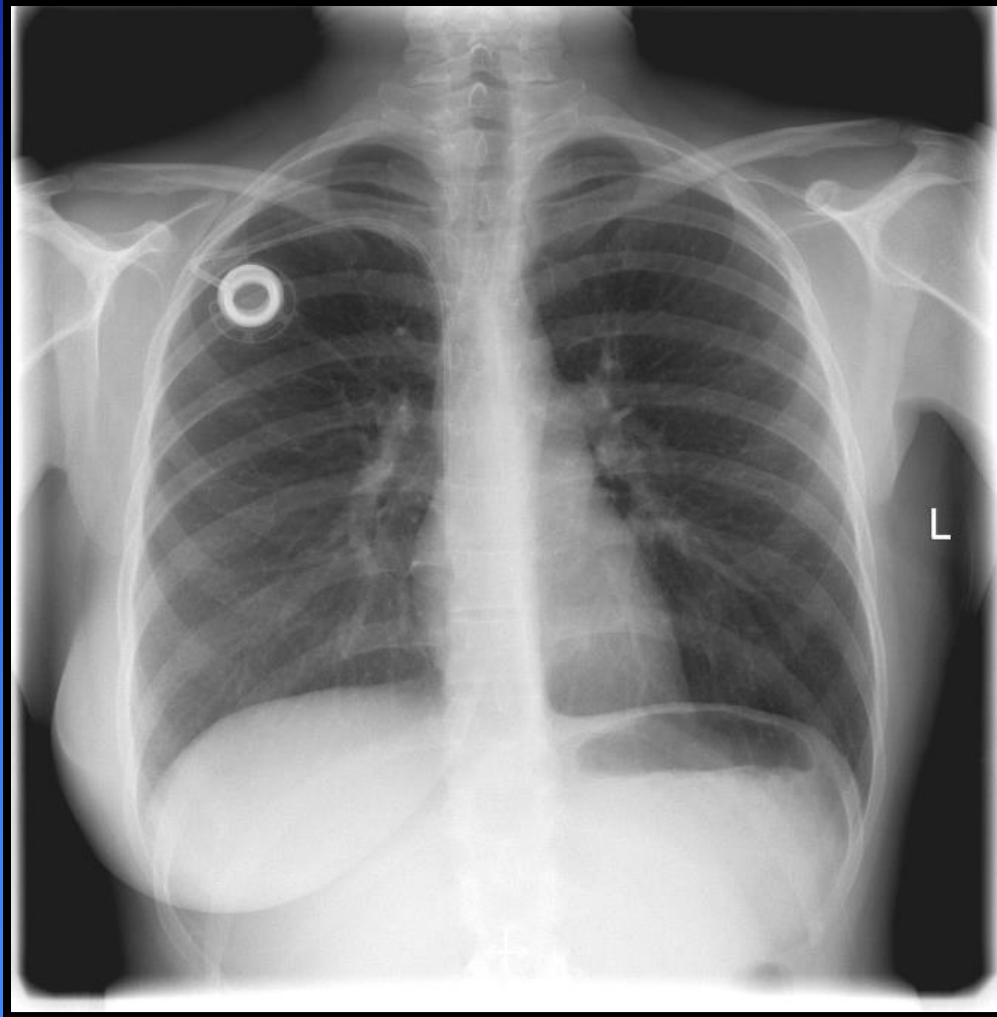
- 1) Ja
- 2) Nej

Ældre mand med torakalt aortaaneurisme

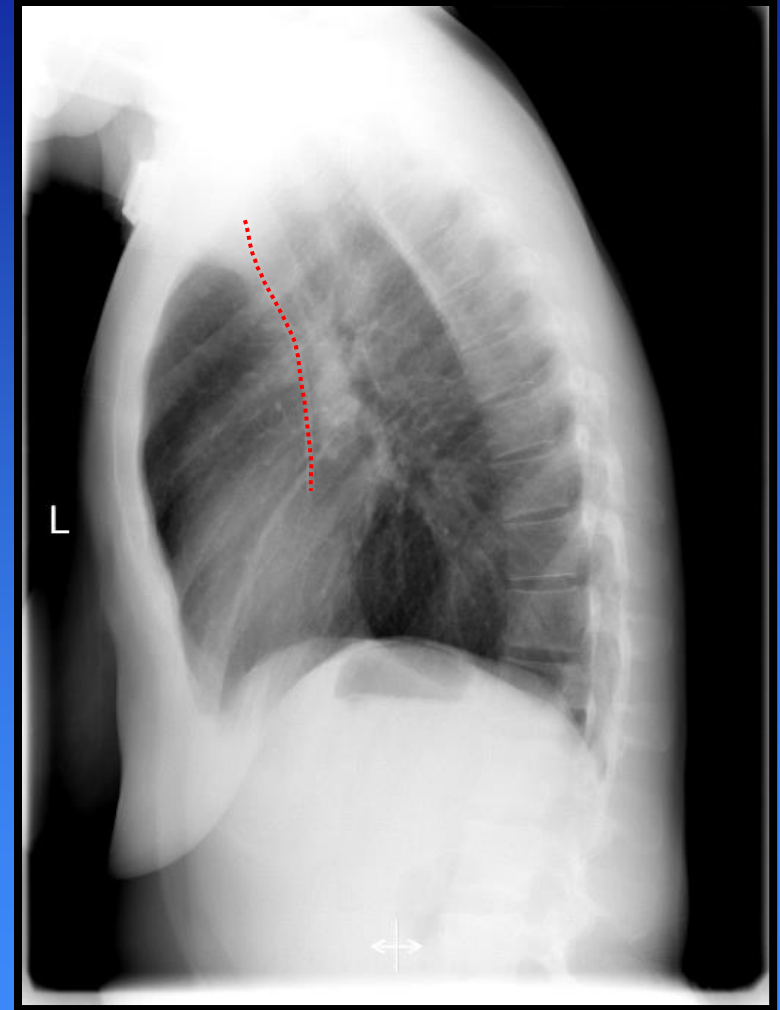
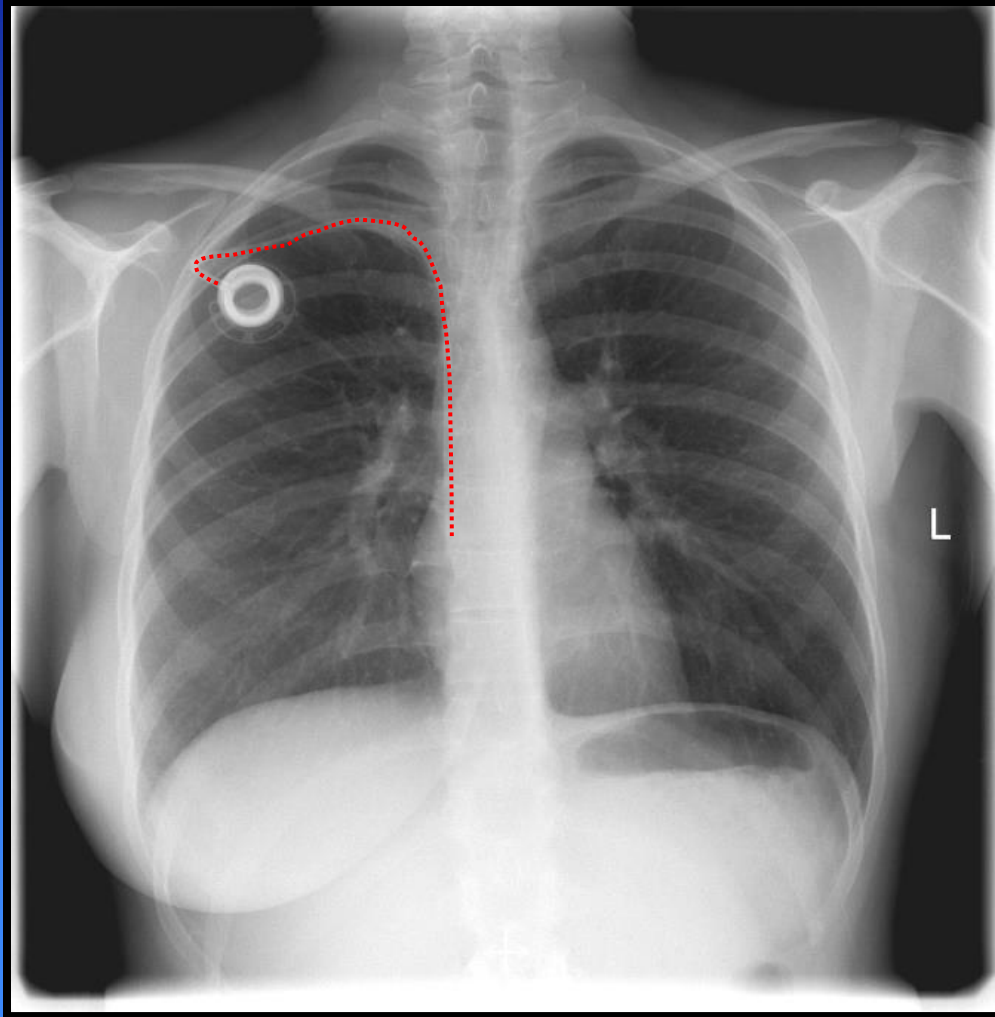


De centrale venter

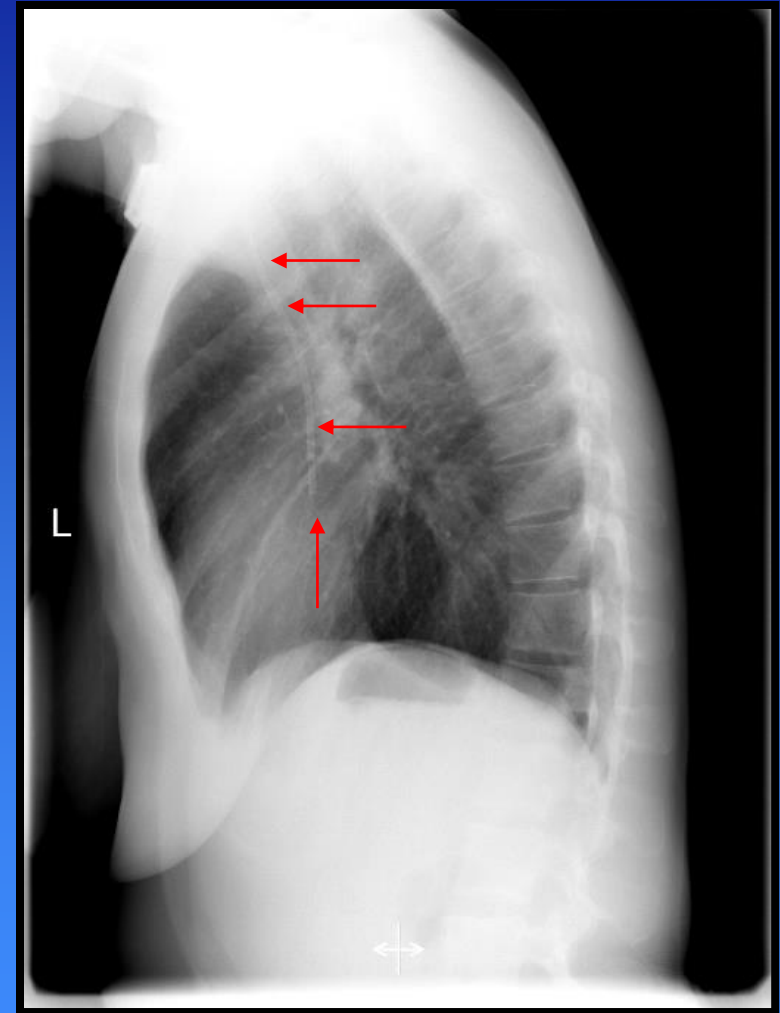
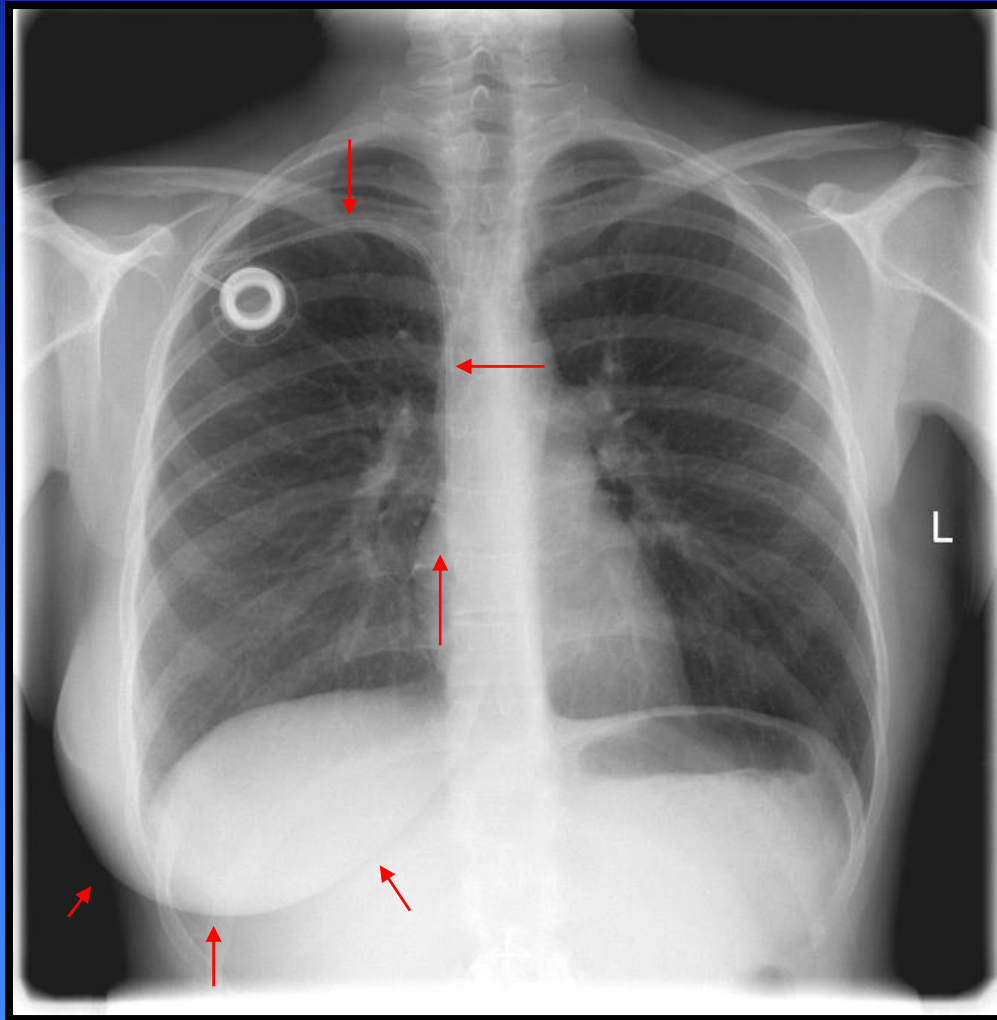
Afvigelser fra normalanatomi?



33 årig kvinde, c. mammae, masectomia sin., injektionskapsel dx.

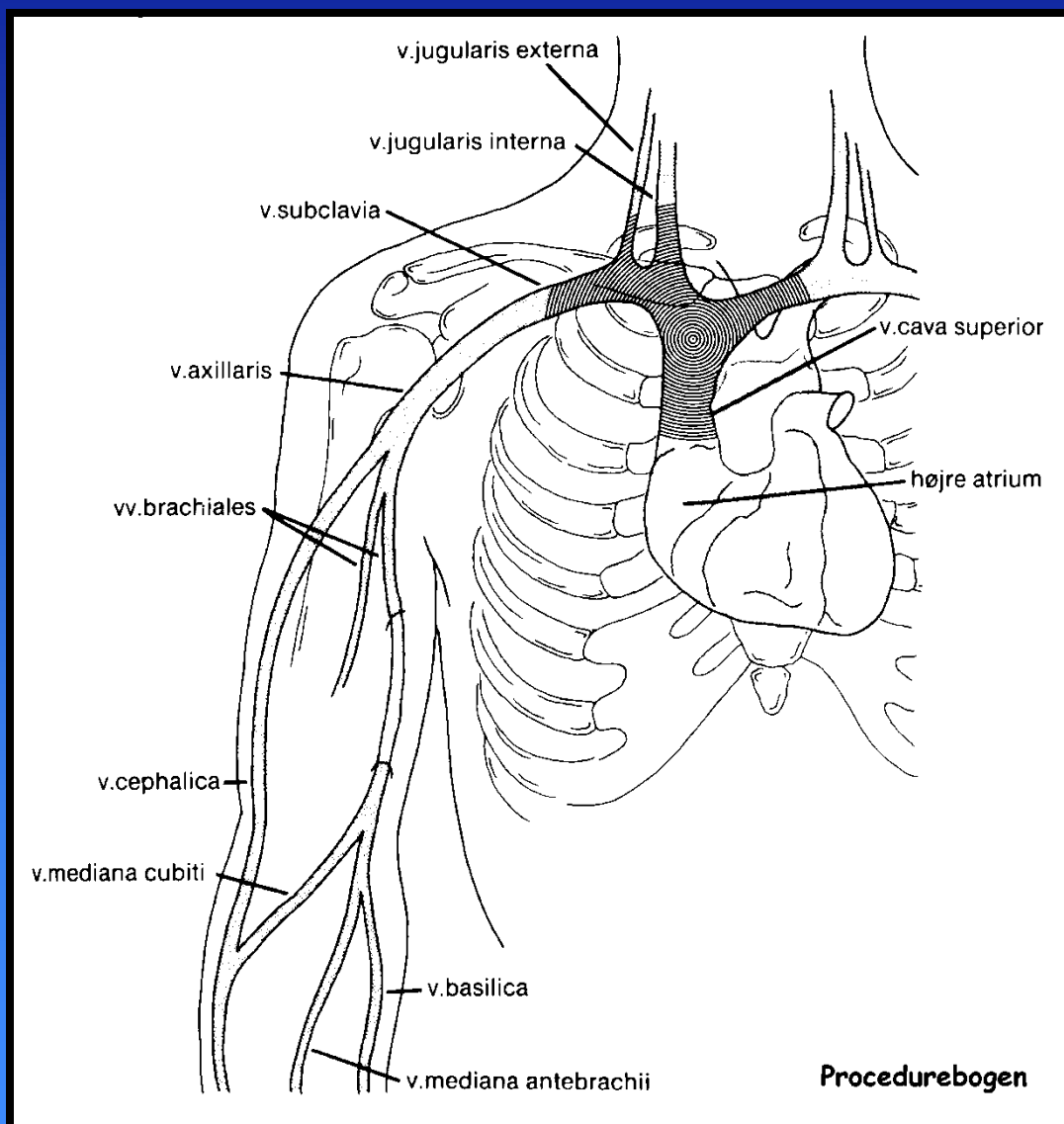


33 årig kvinde, c. mammae, masectomia sin., injektionskapsel dx.

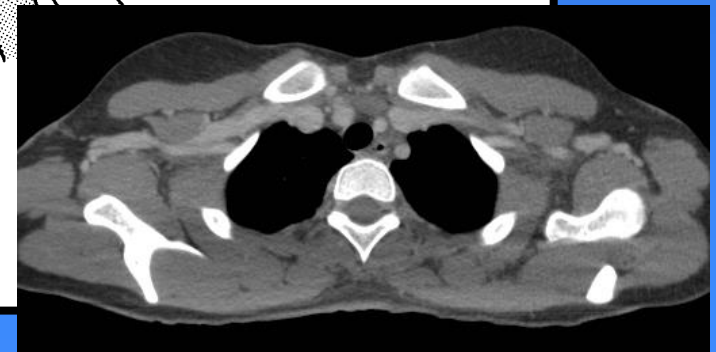
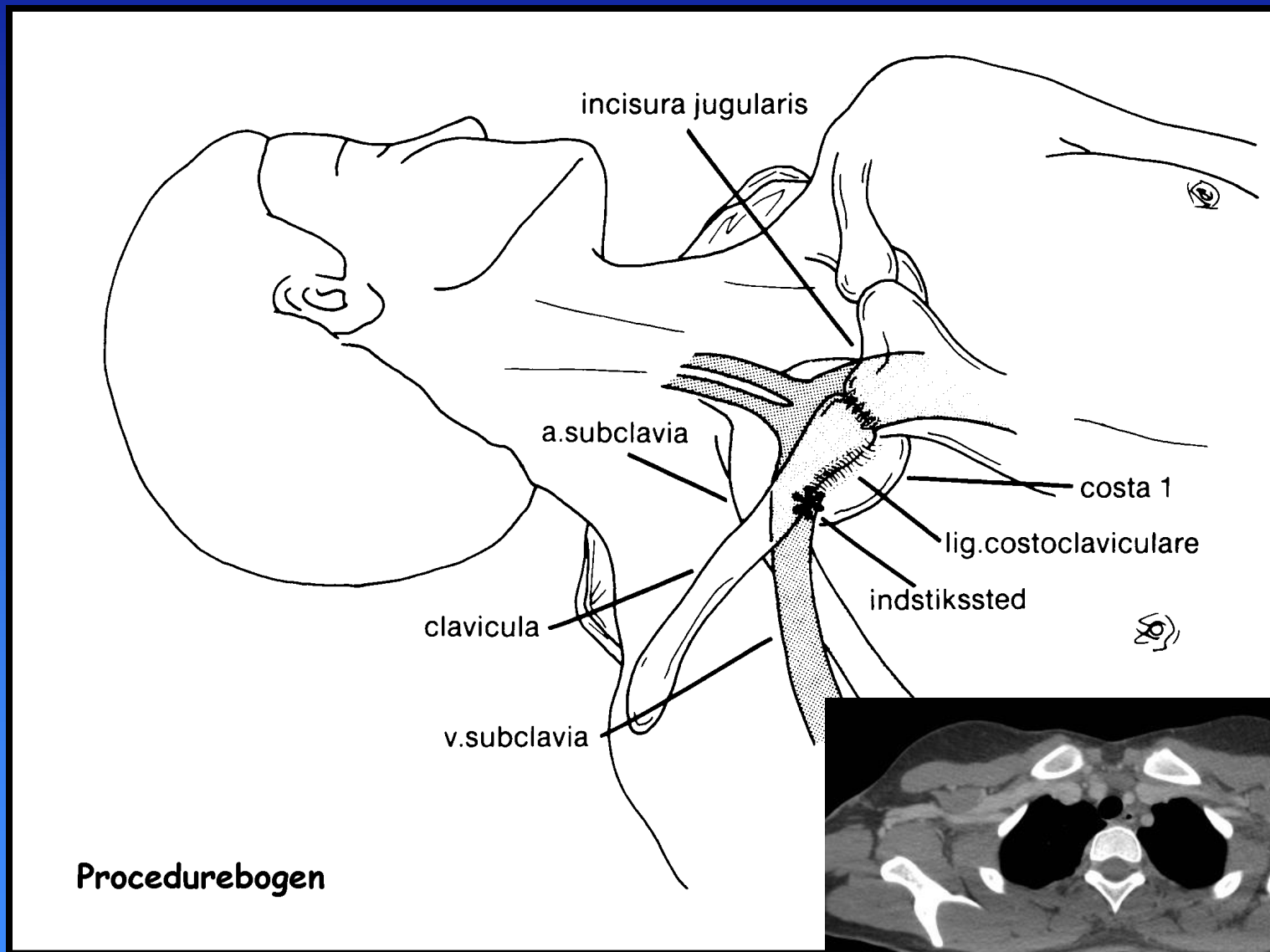


Centralt venekateter med kateterspidsen i højre atrium. Ingen mamma sløring på venstre side

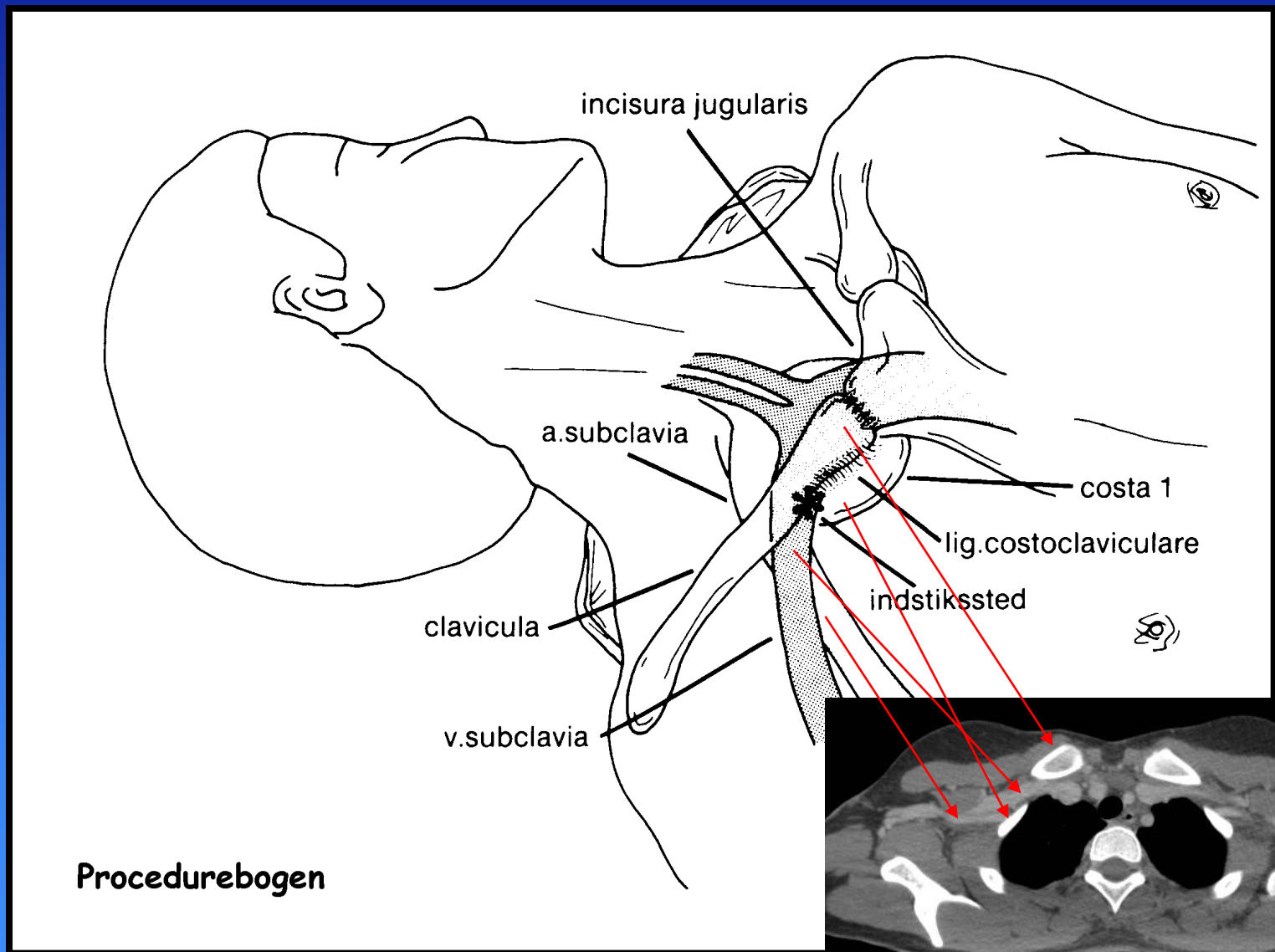
Anlæggelse af CVK (Centralt venekateter)



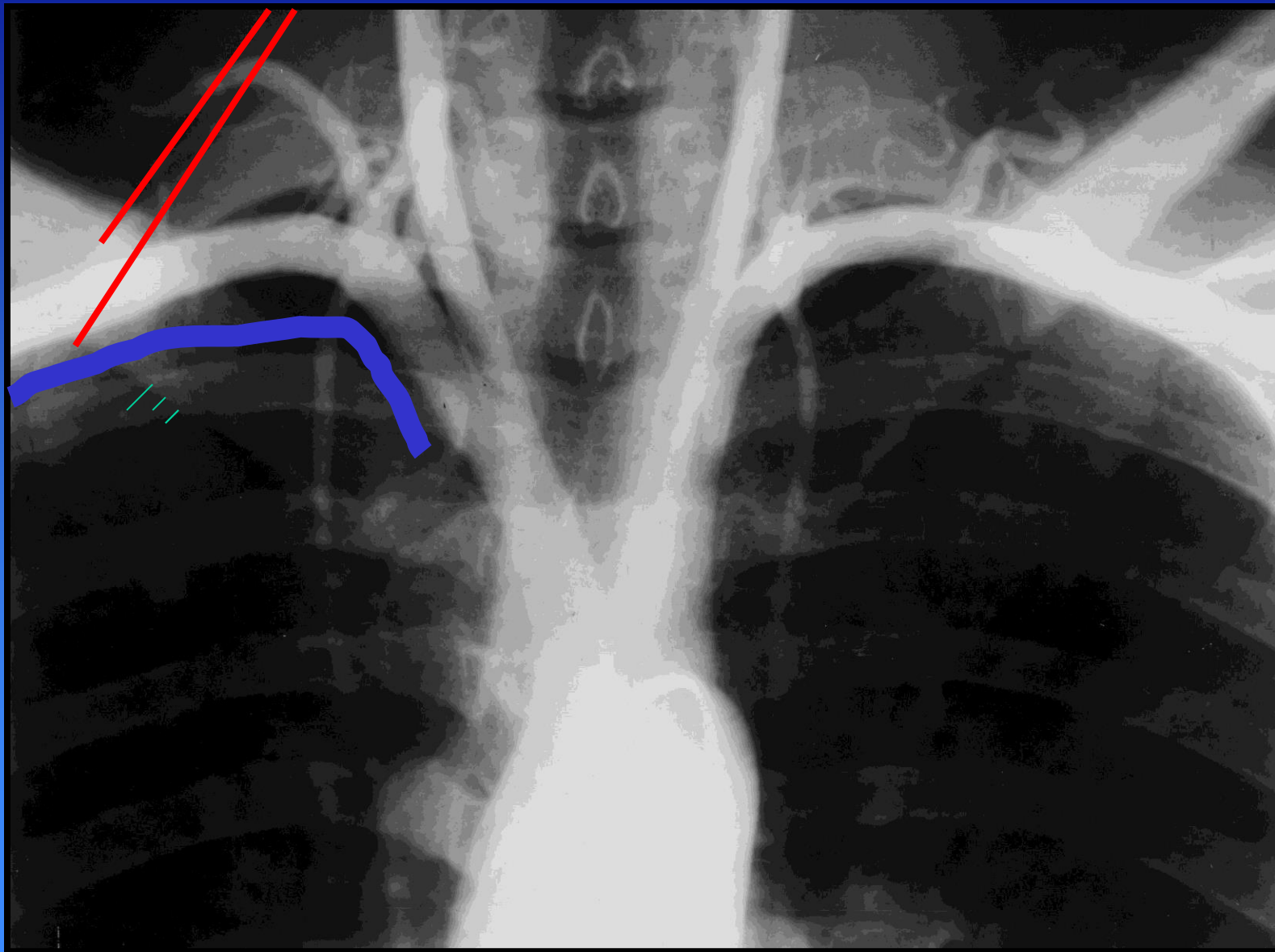
Anlæggelse af CVK (Centralt venekateter)



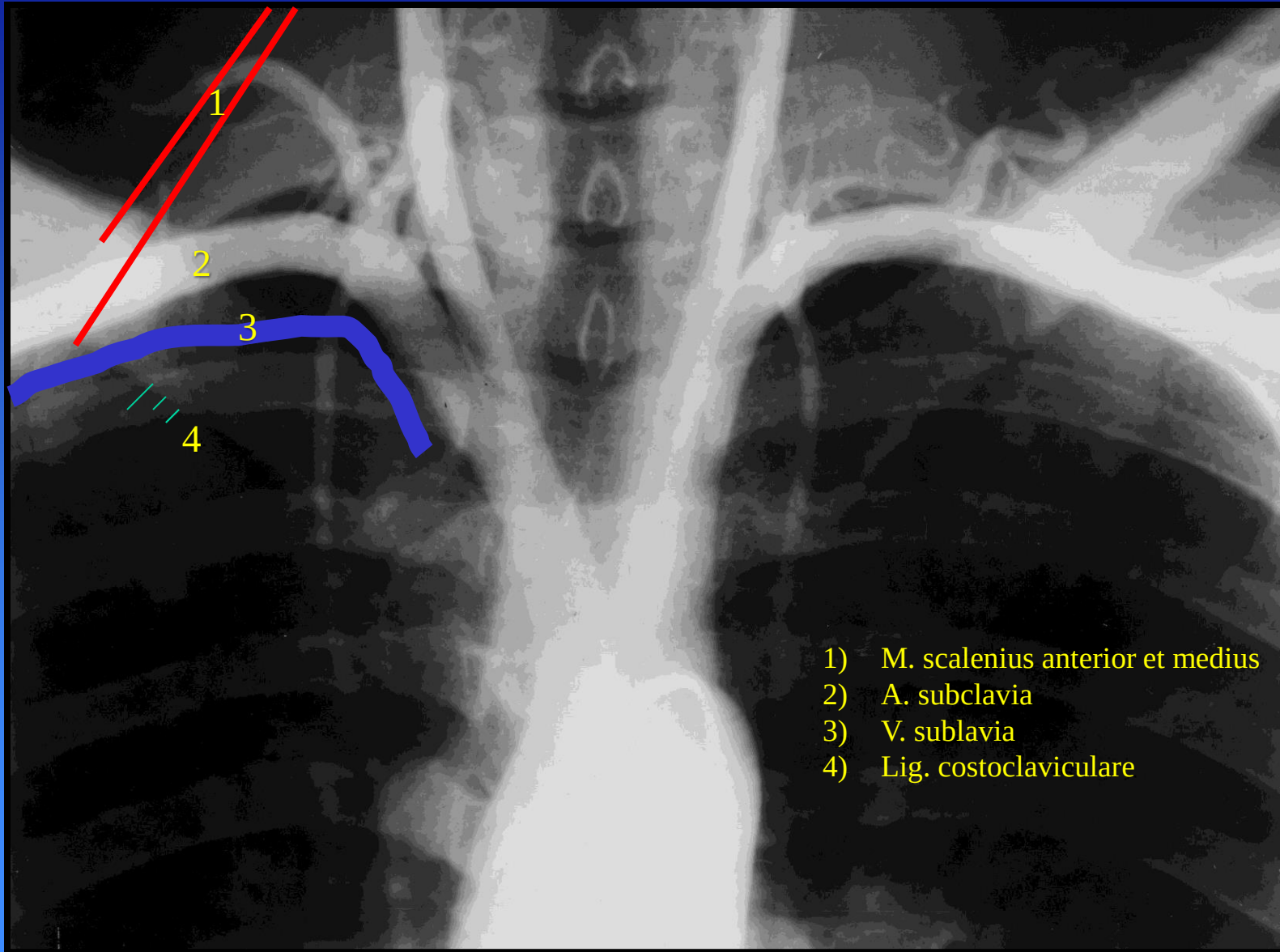
Anlæggelse af CVK (Centralt venekateter)



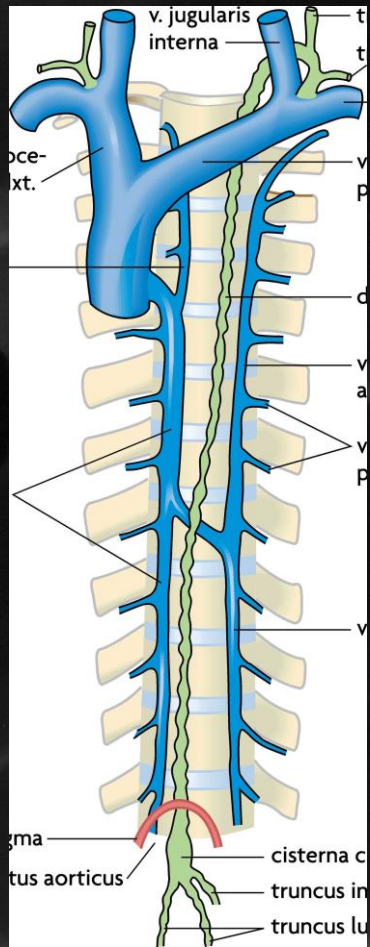
Anlæggelse af CVK (Centralt venekateter)



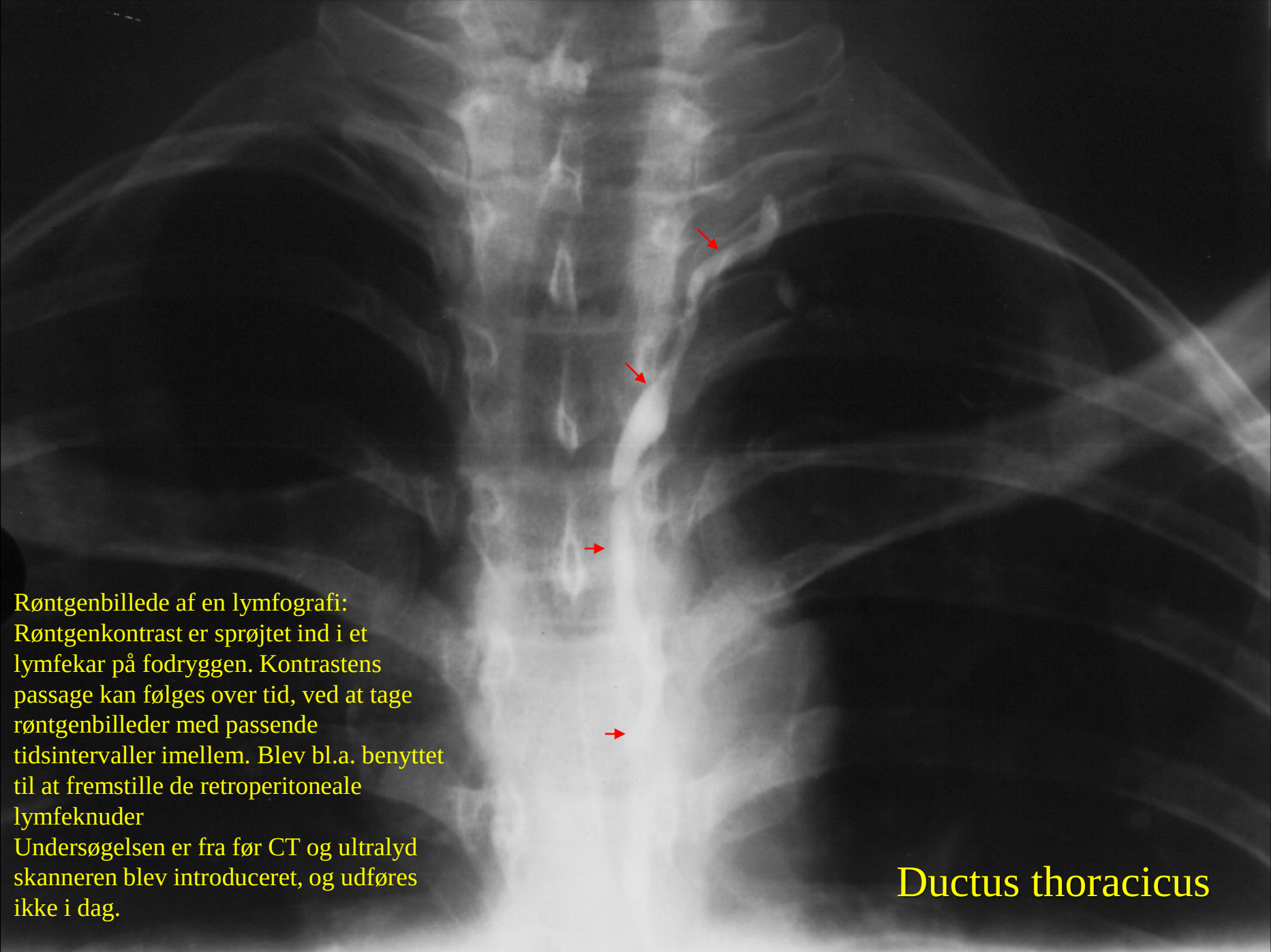
Anlæggelse af CVK (Centralt venekateter)



- 1) M. scalenius anterior et medius
- 2) A. subclavia
- 3) V. subclavia
- 4) Lig. costoclaviculare



Ductus thoracicus

A frontal chest X-ray showing the thoracic lymphatic system. A bright, contrast-filled line representing the lymphatic duct is visible in the midline, ascending from the lower thorax towards the neck. Four red arrows point to specific locations along this duct: one in the upper right, one in the upper middle, one in the lower middle, and one in the lower left. The background shows the faint outlines of the ribs and the spine.

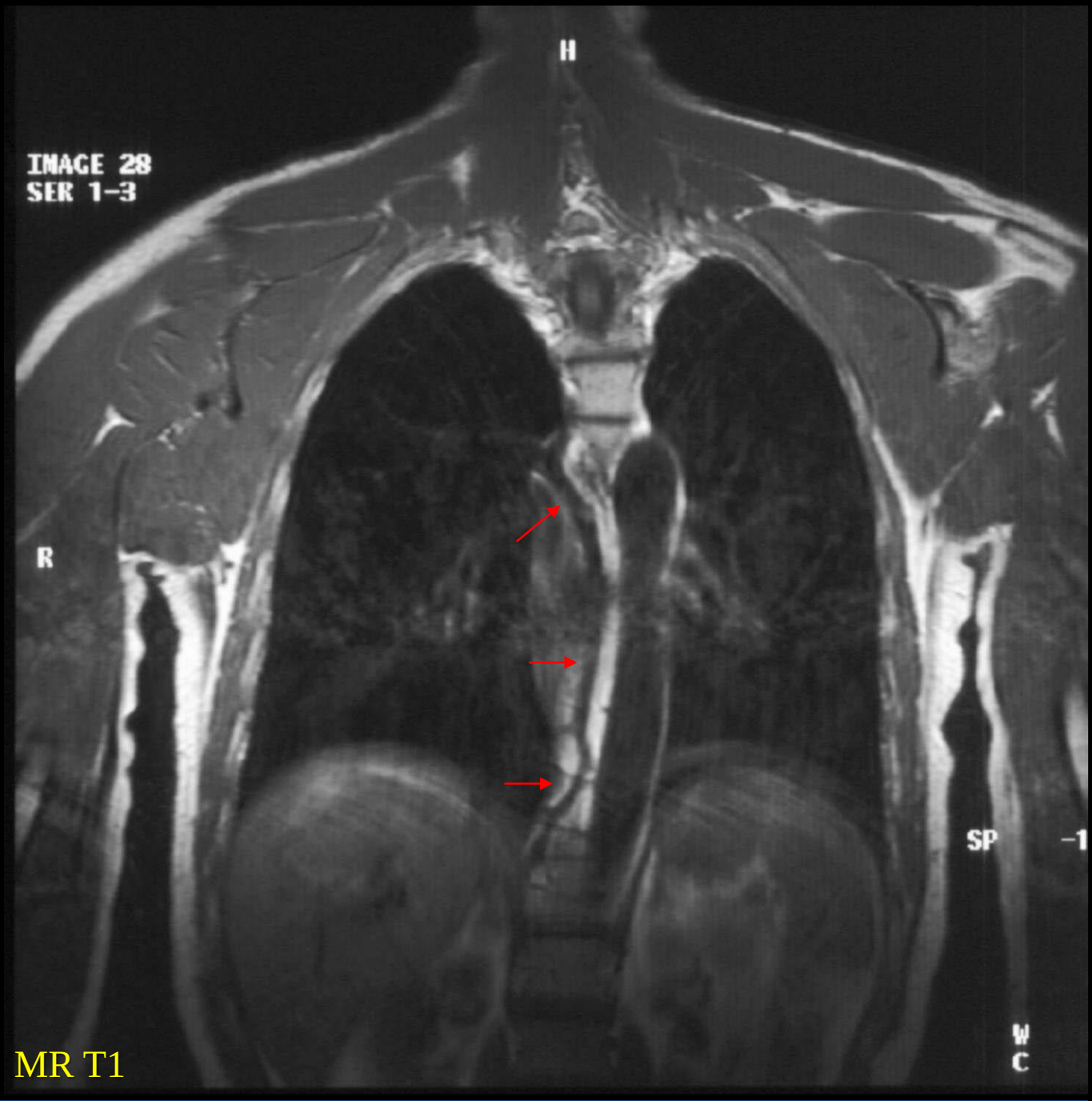
Røntgenbillede af en lymfografi:
Røntgenkontrast er sprøjtet ind i et
lymfekar på fodryggen. Kontrastens
passage kan følges over tid, ved at tage
røntgenbilleder med passende
tidsintervaller imellem. Blev bl.a. benyttet
til at fremstille de retroperitoneale
lymfeknuder

Undersøgelsen er fra før CT og ultralyd
skanneren blev introduceret, og udføres
ikke i dag.

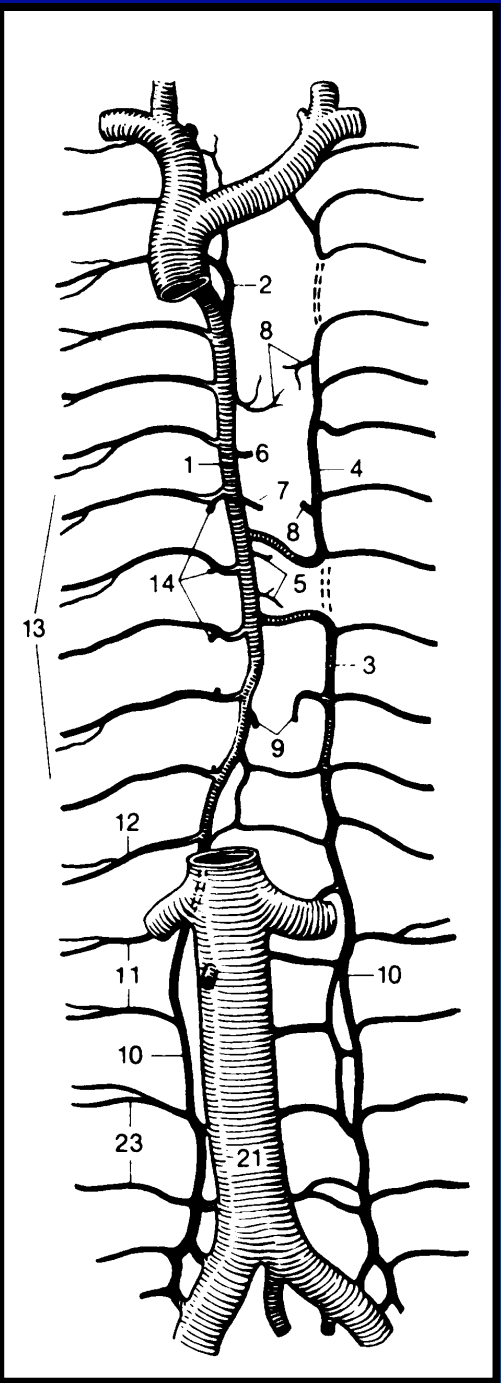
Ductus thoracicus

Vena azygos

IMAGE 28
SER 1-3

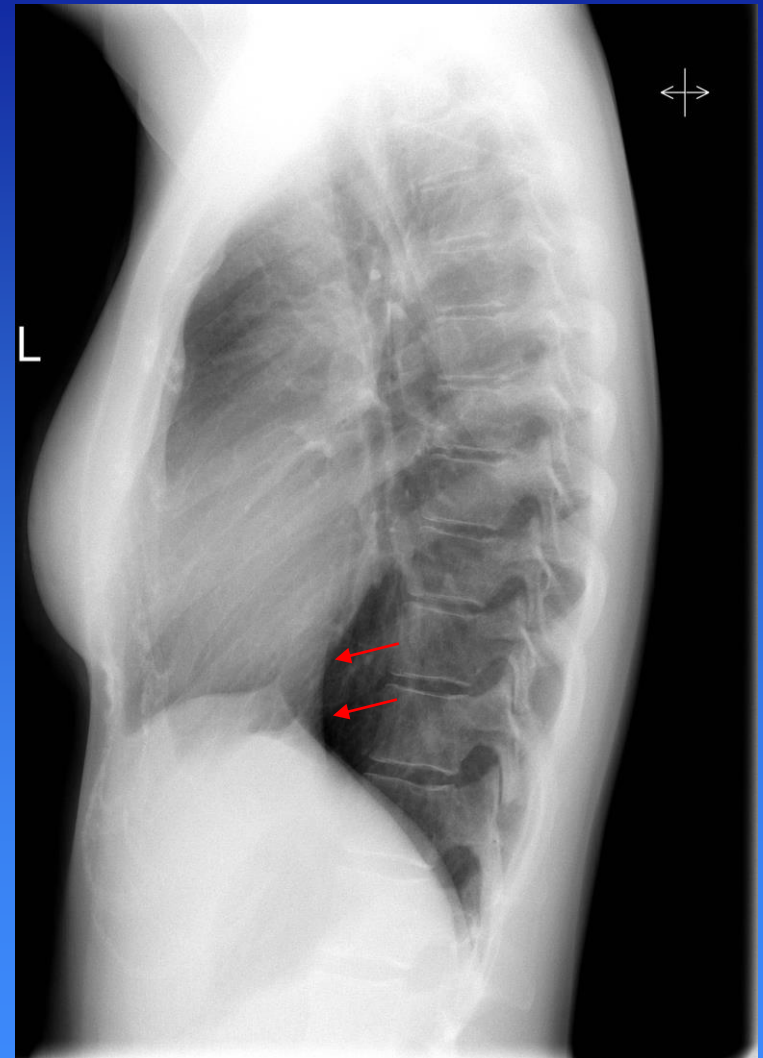
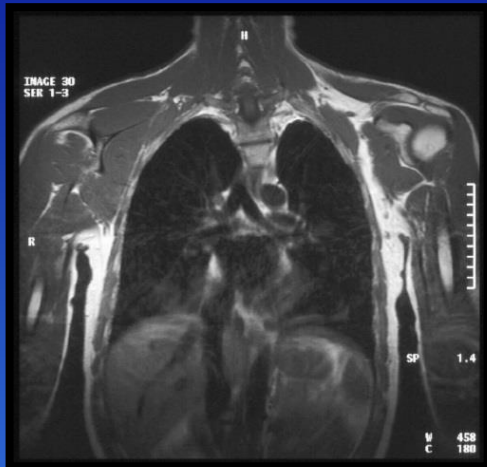


MR T1



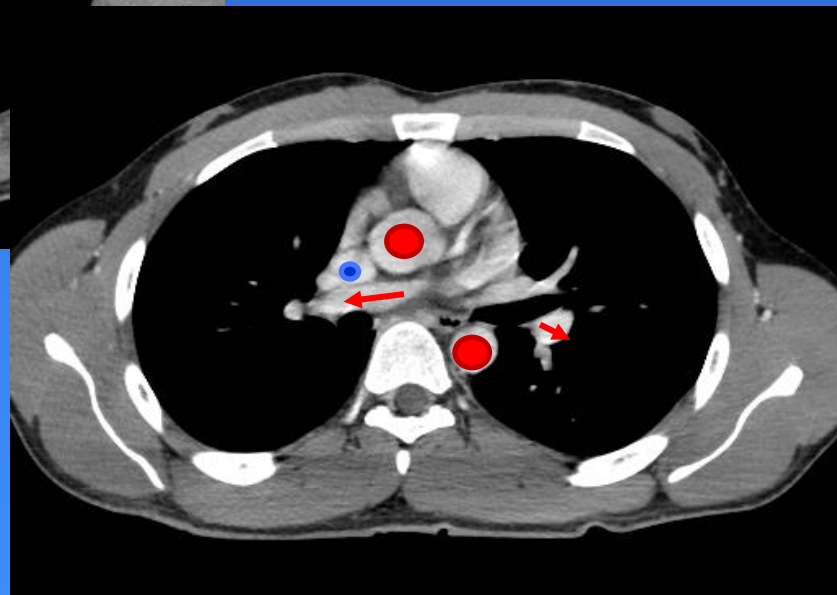
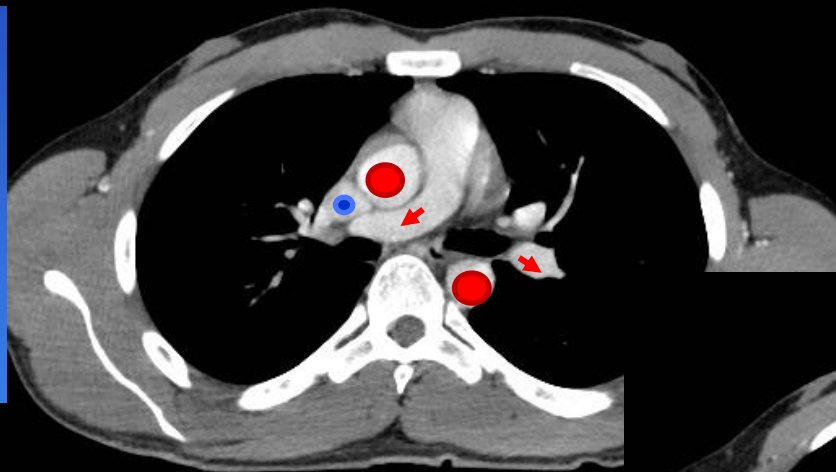
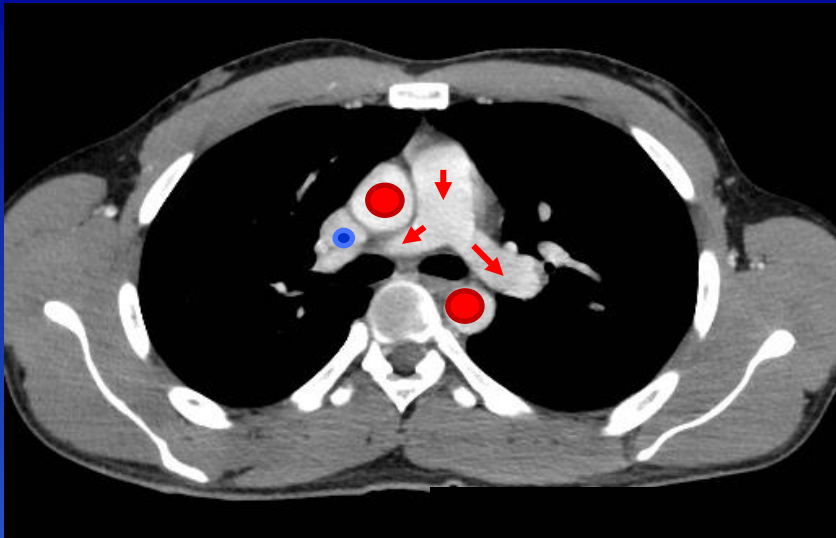
Vena cava inferior

Vena cava inferior

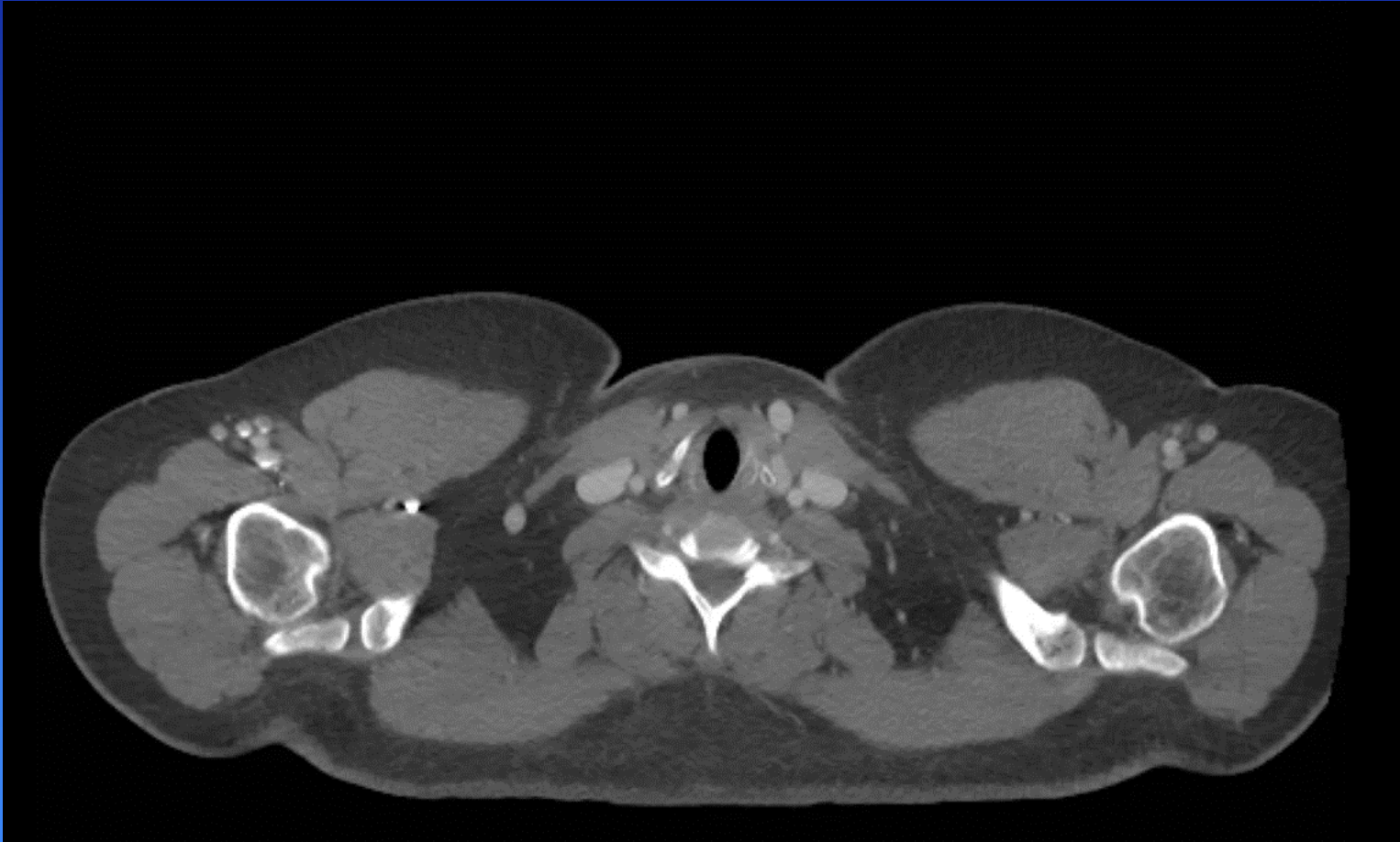


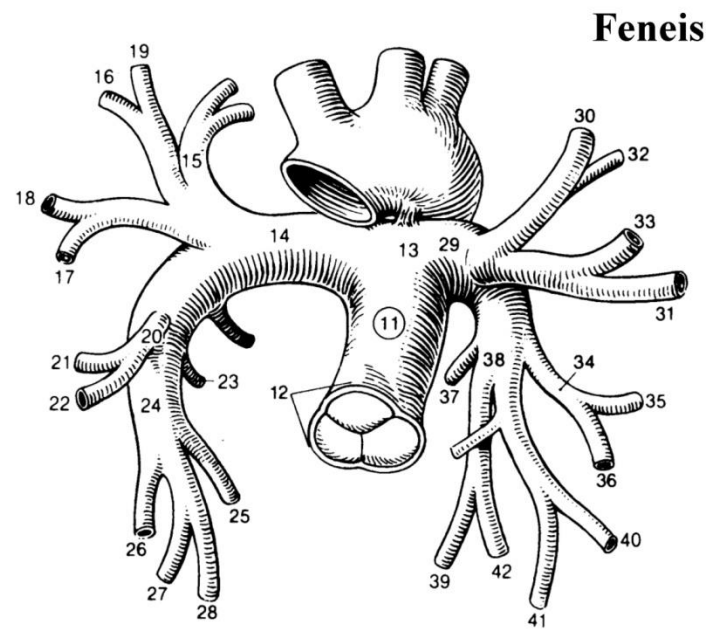
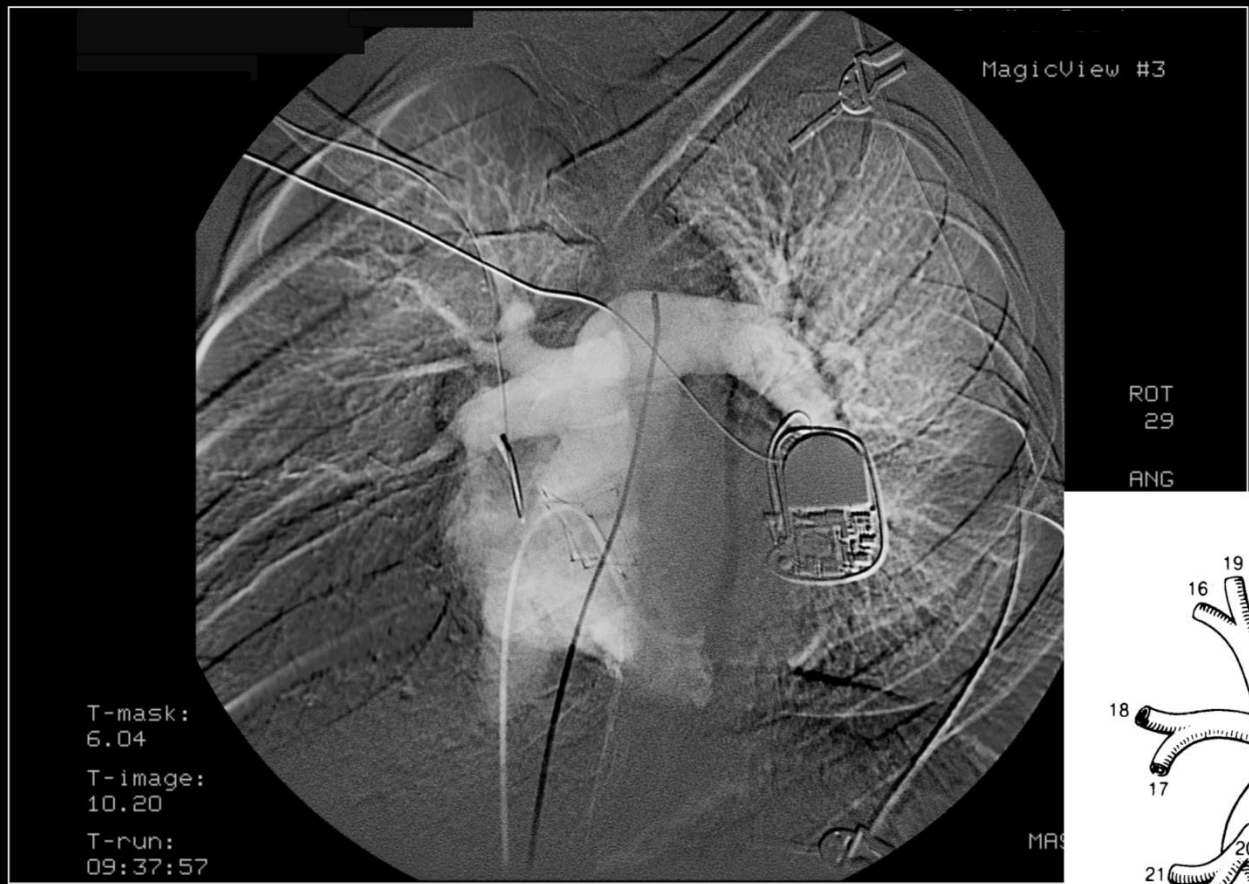
Truncus pulmonalis og lungekar





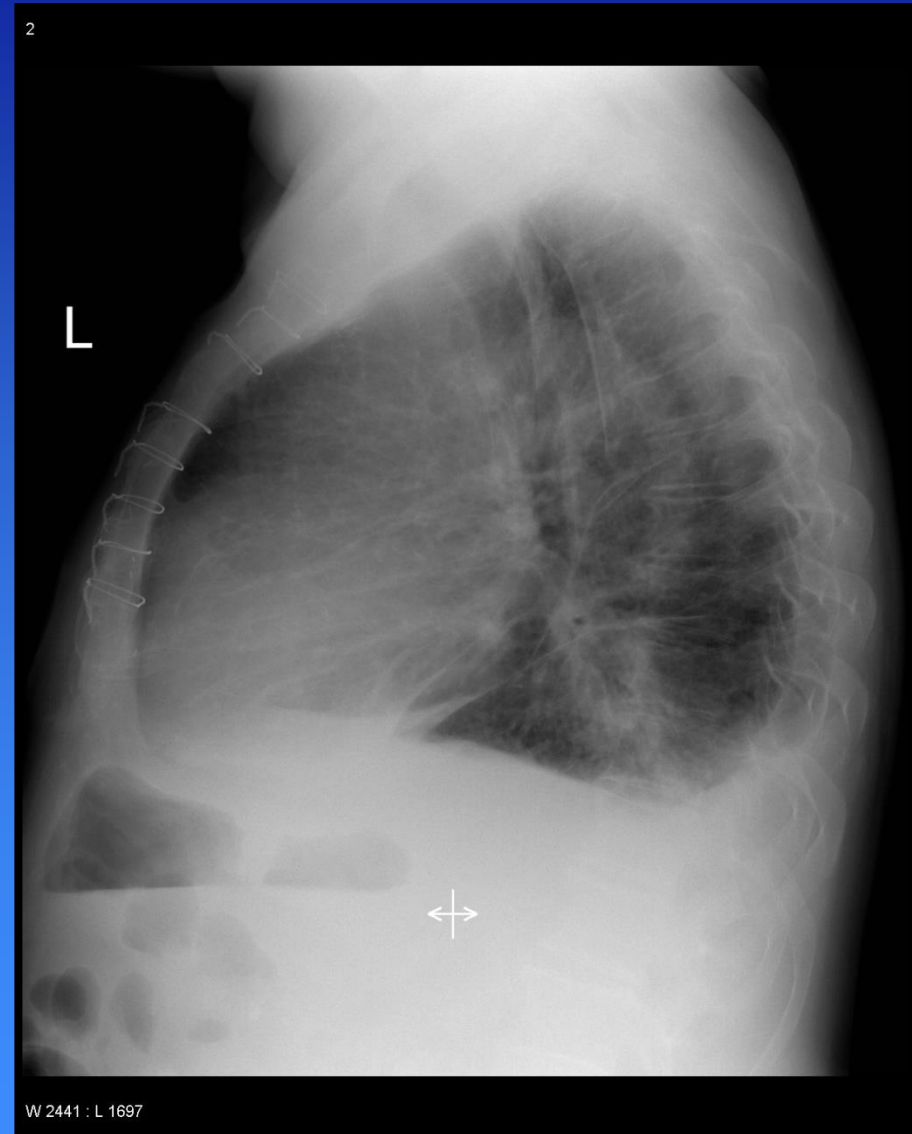
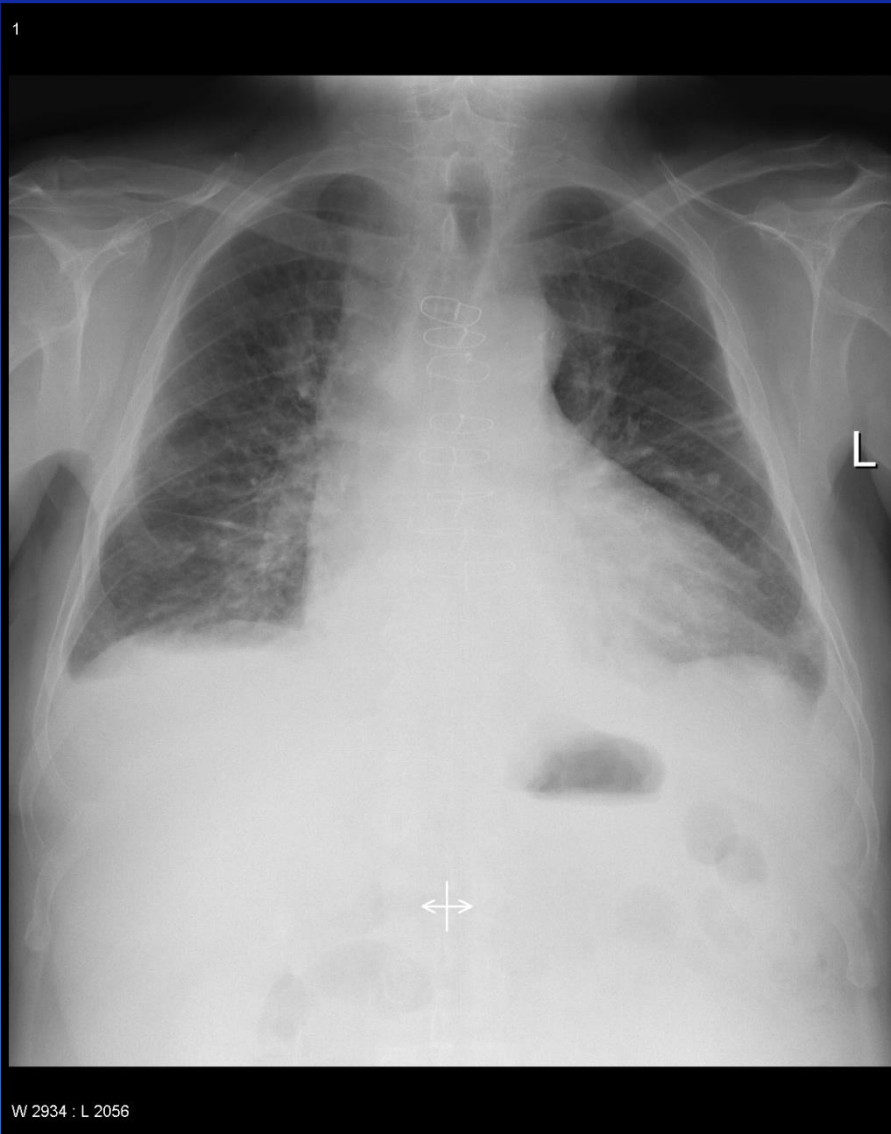
CT af thorax, bløddelsvindue



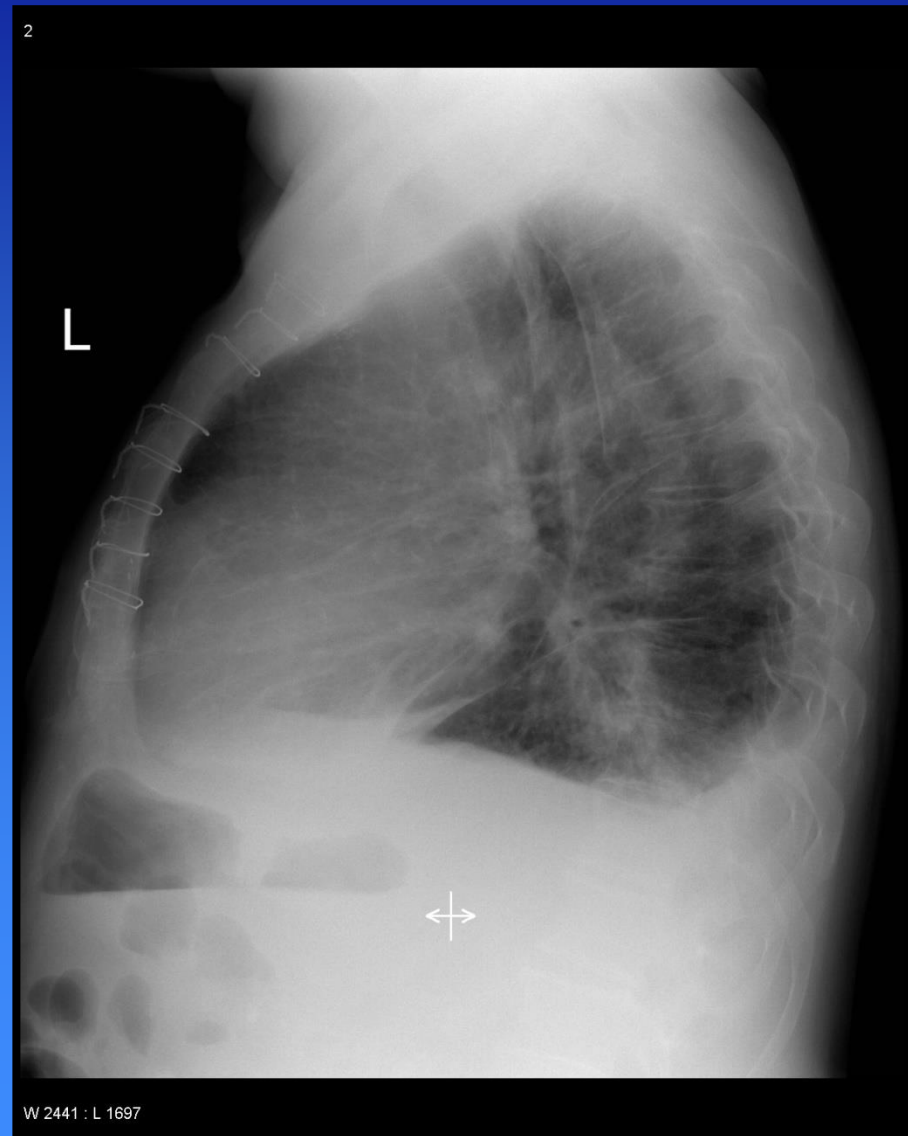
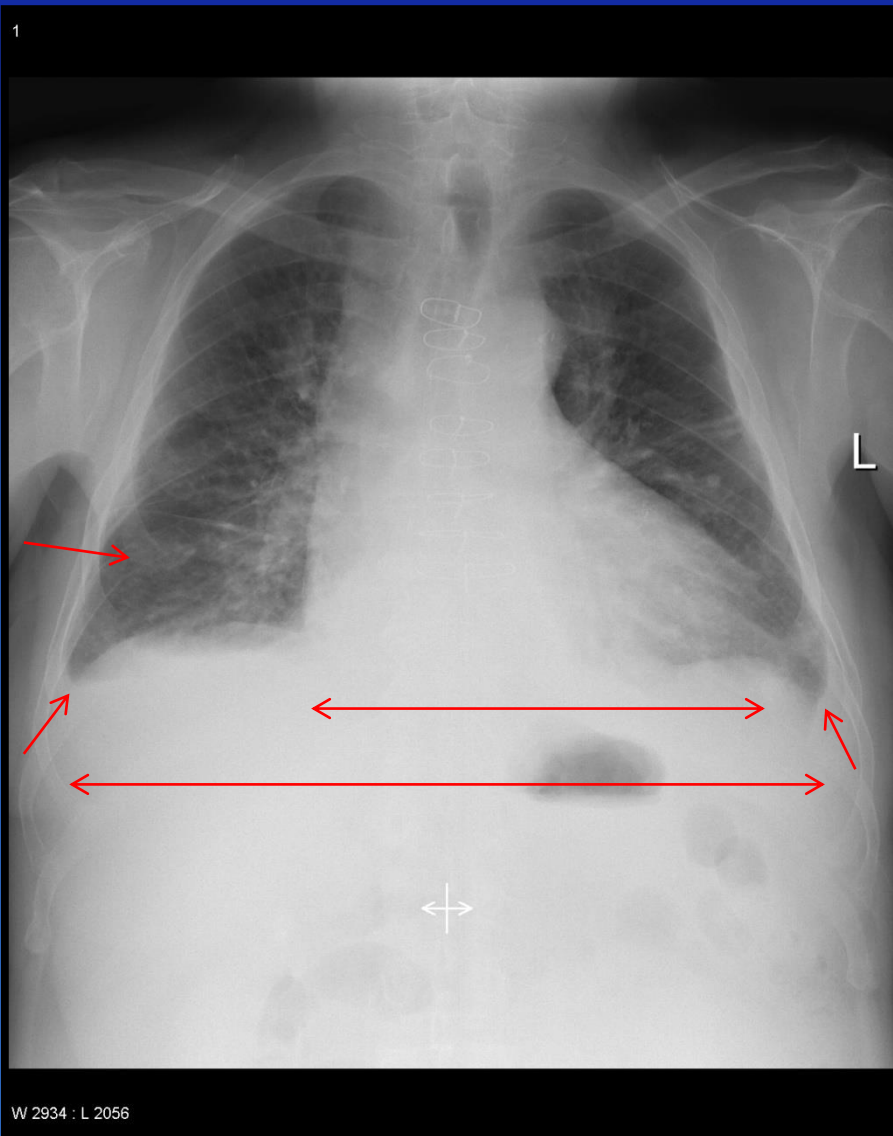


Cor

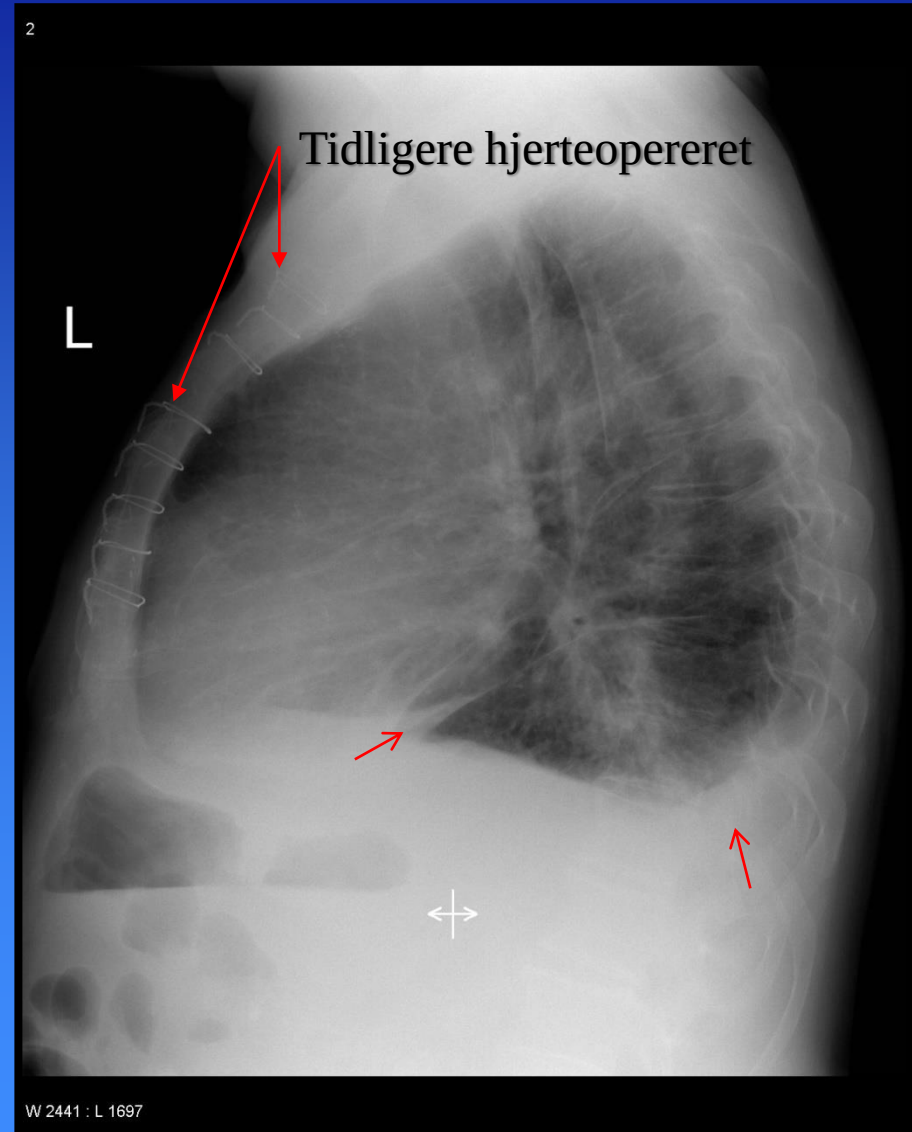
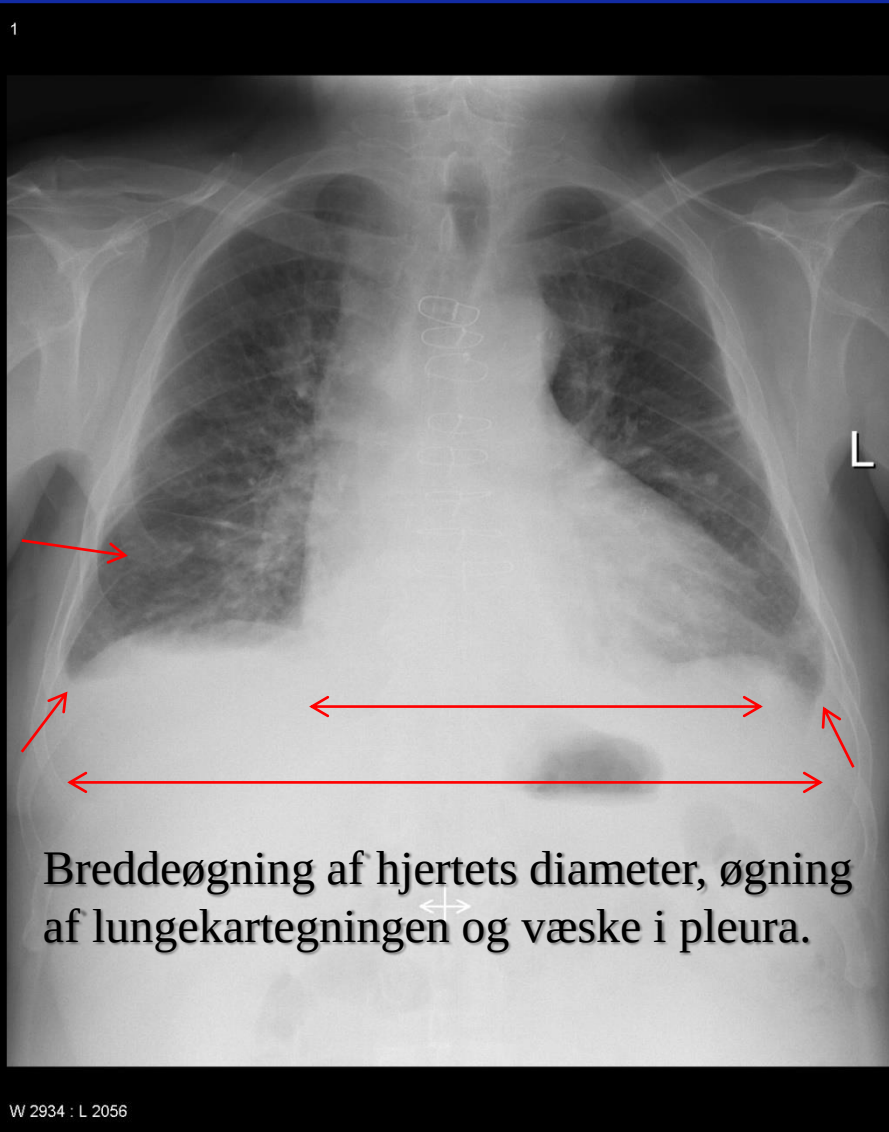
Stasis pulmonum, 82-årig mand



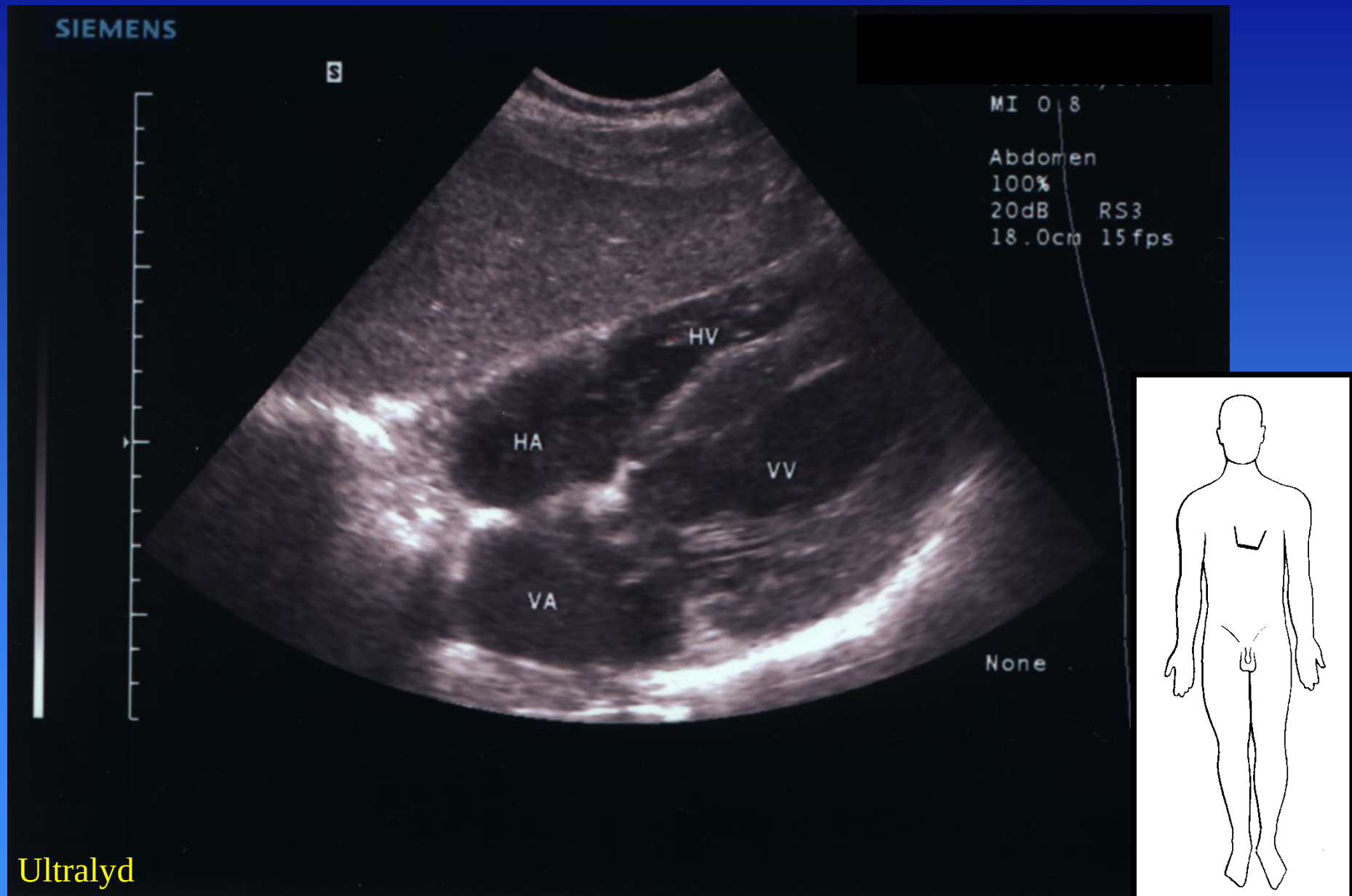
Stasis pulmonum, 82-årig mand



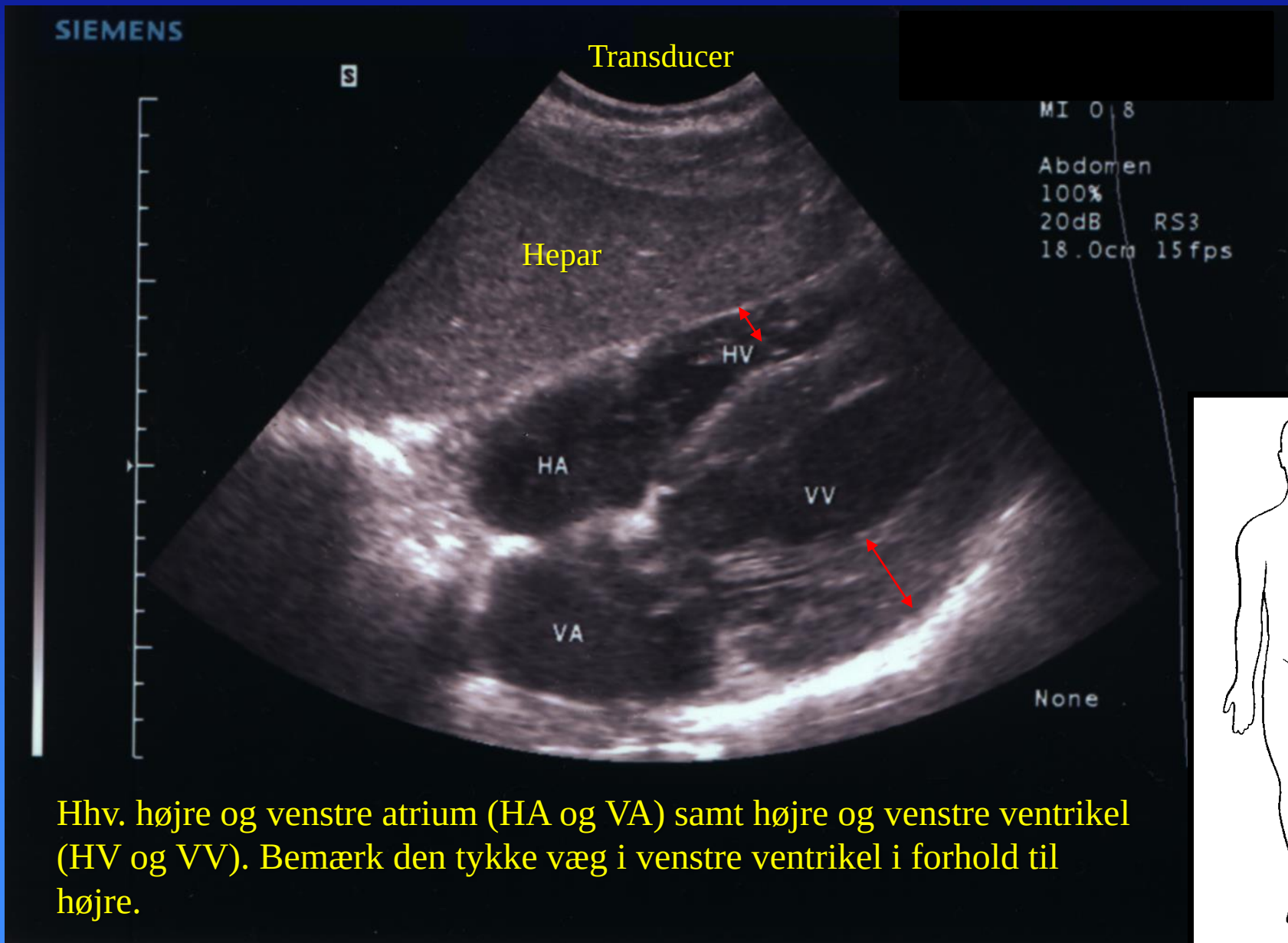
Stasis pulmonum (lungestase), 82-årig mand



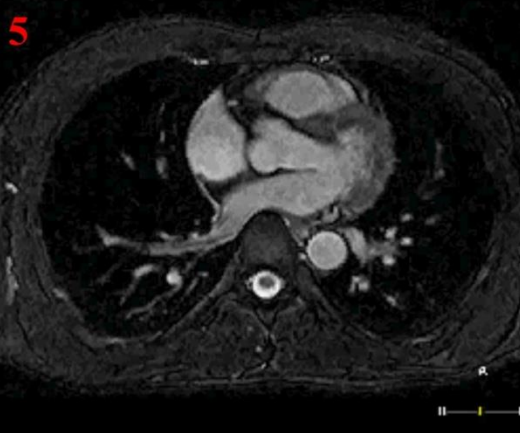
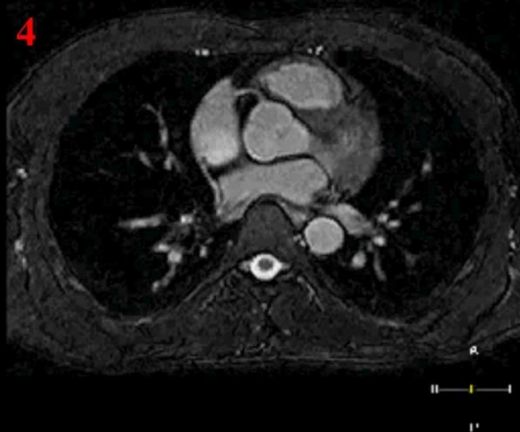
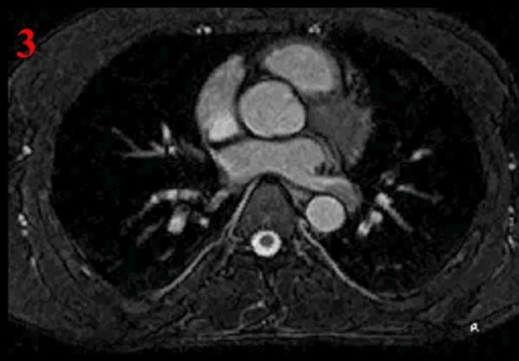
58 årig mand: 4 kammer billede.



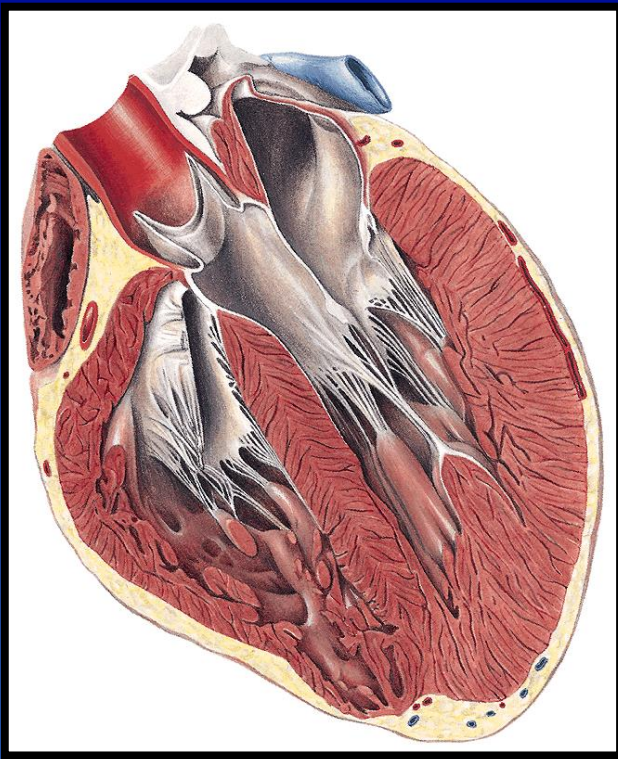
58 årig mand: 4 kammer billede.



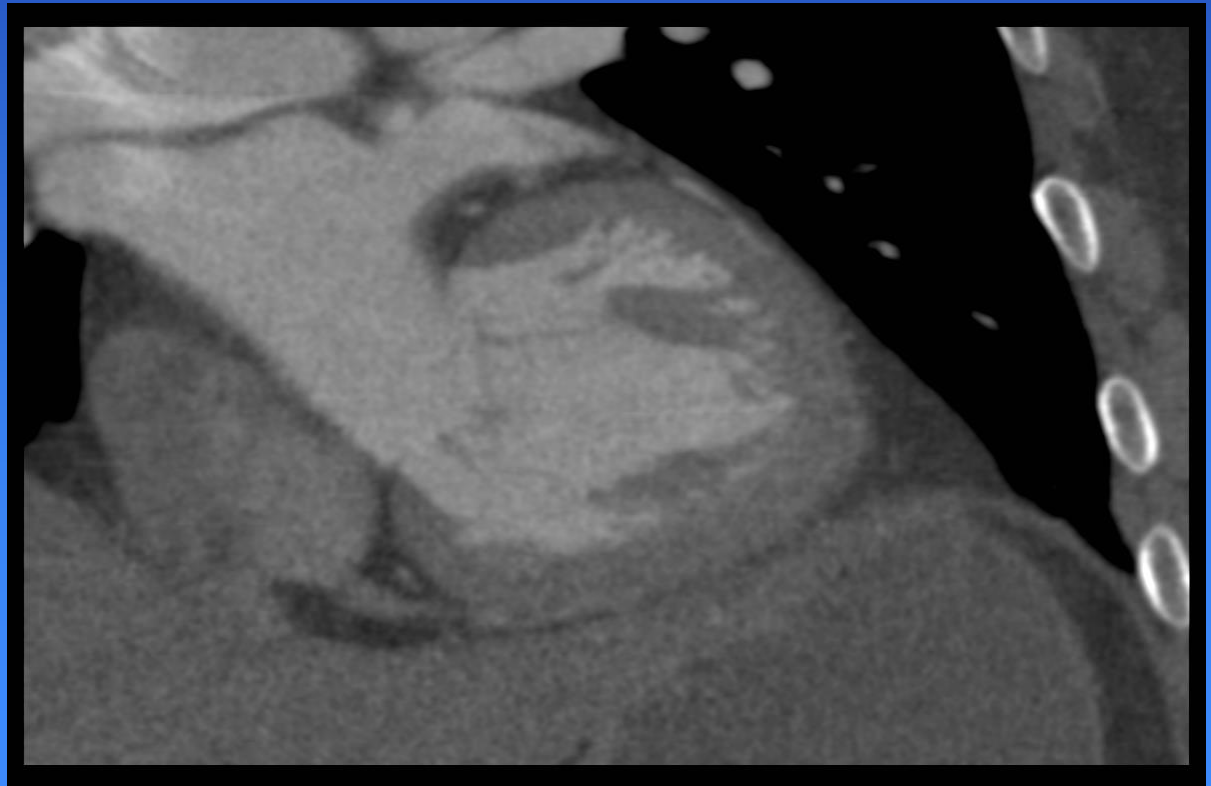
MR af cor (Philips: medicamundi CDRom Suppl. to vol. 43,2 1999)

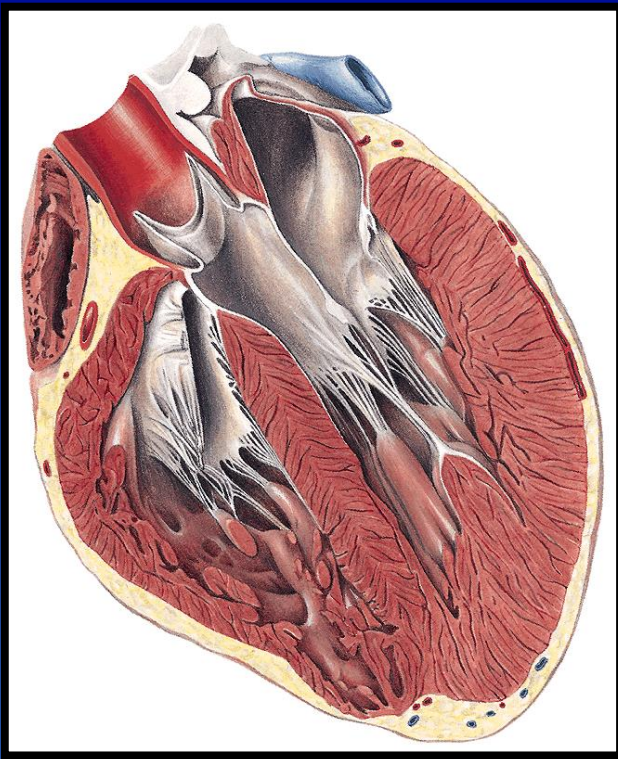


MR

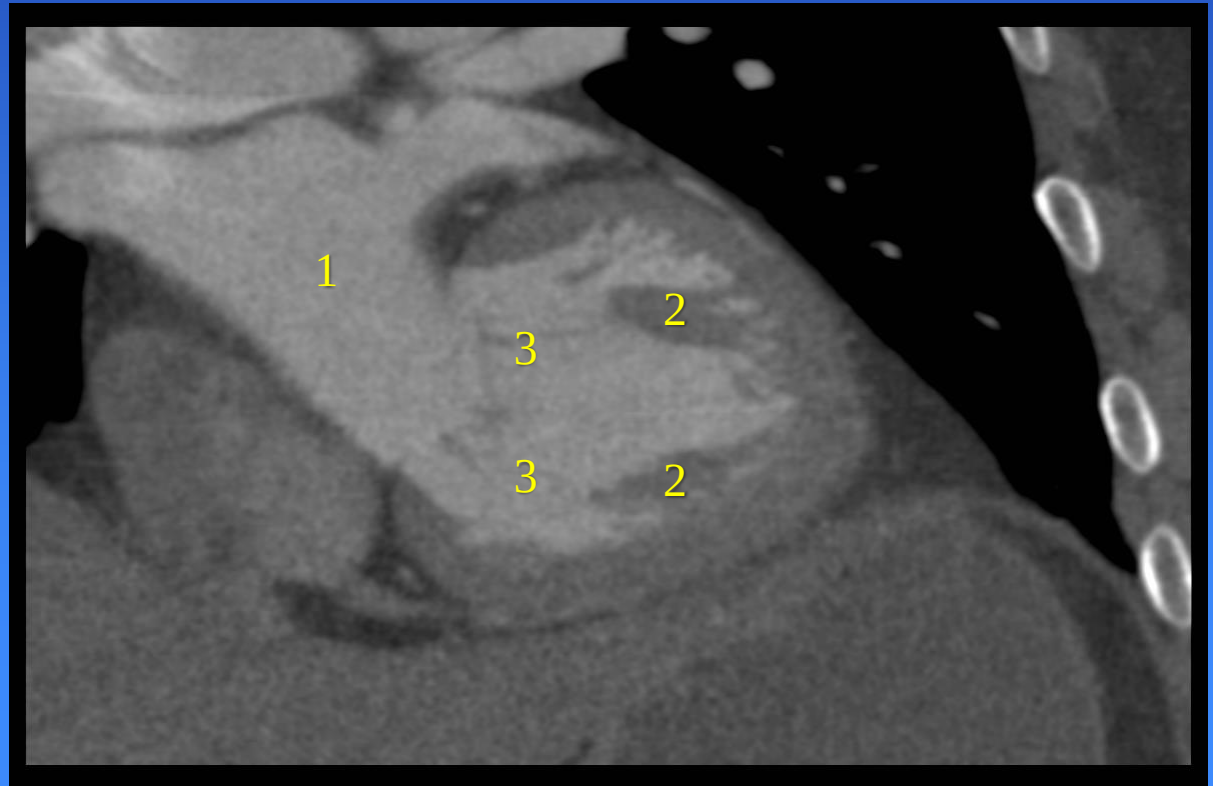


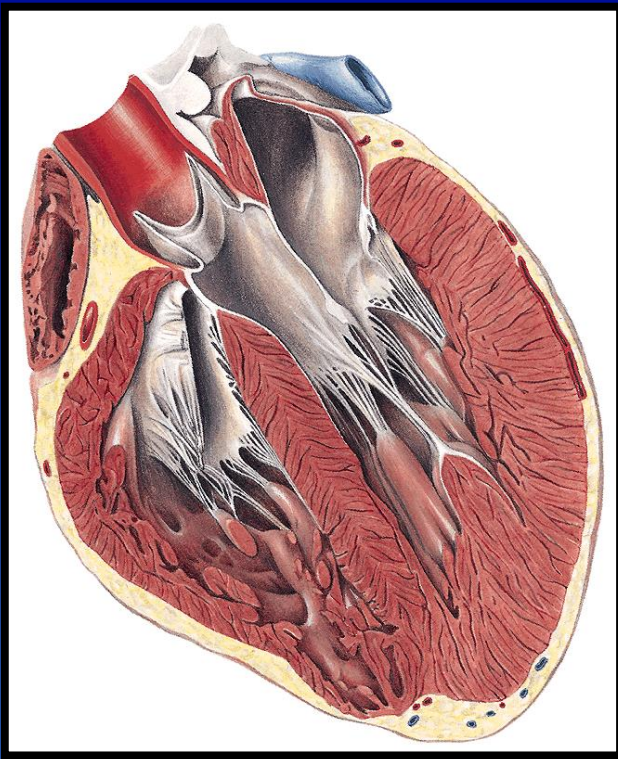
Musculi papillares
Chordae tendineae





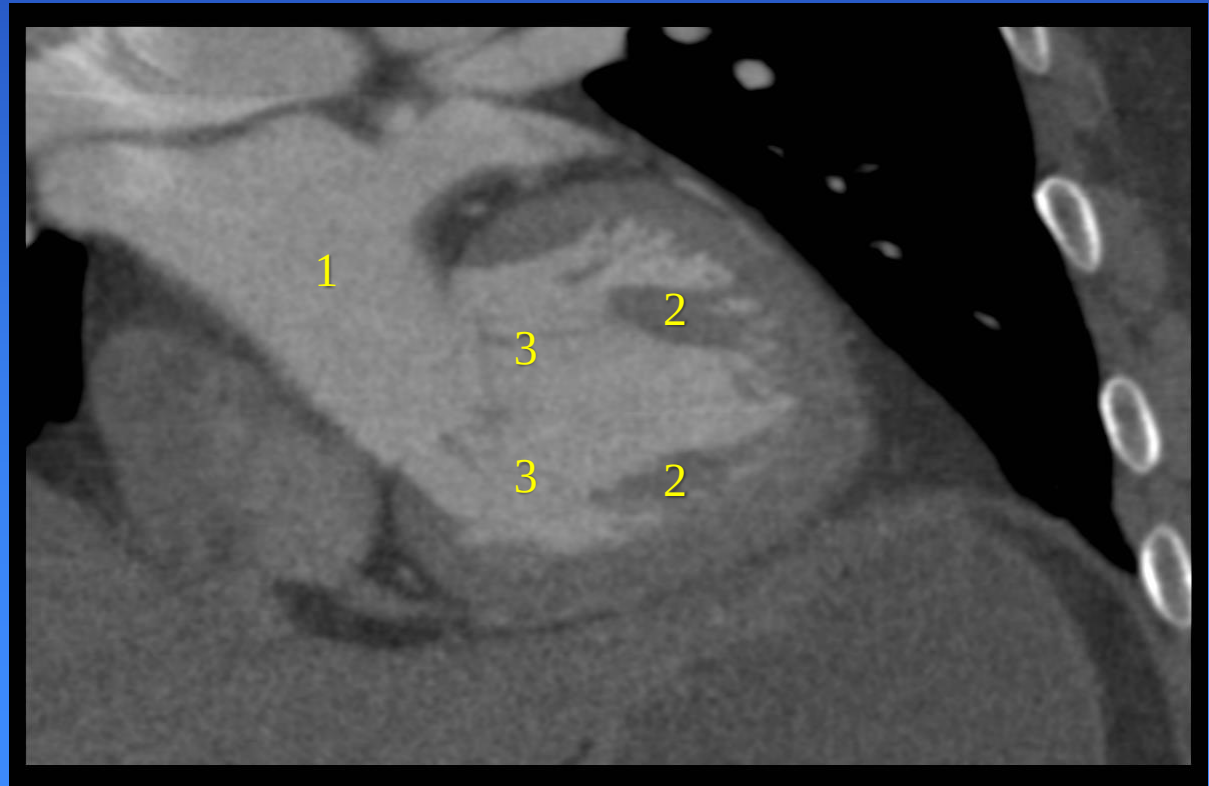
Musculi papillares
Chordae tendineae



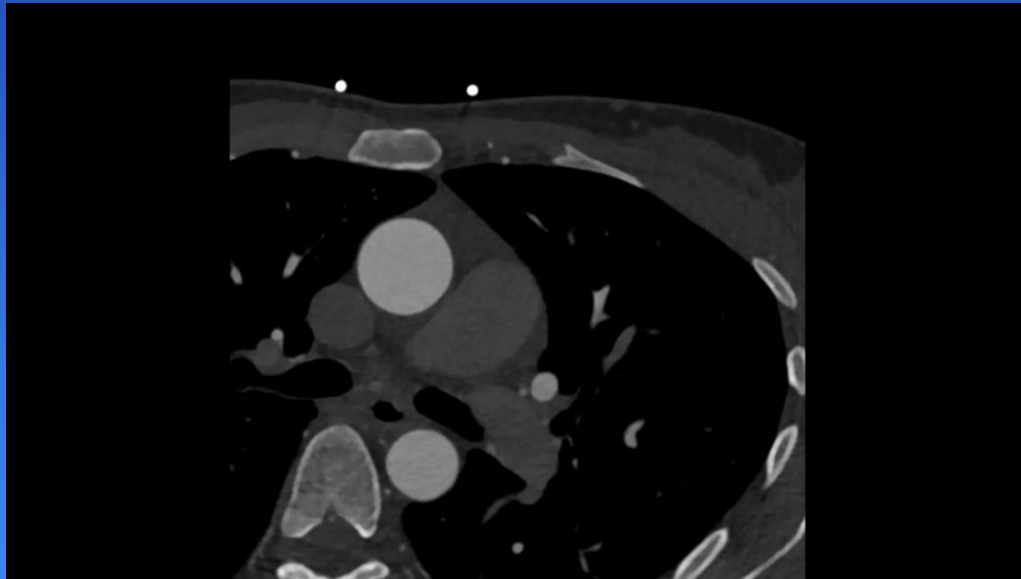


Musculi papillares Chordae tendineae

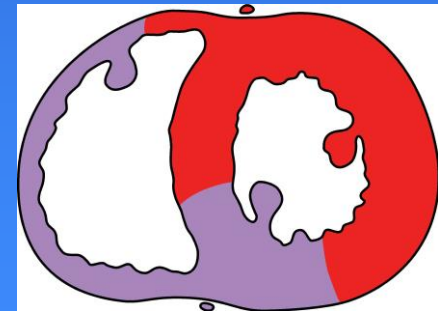
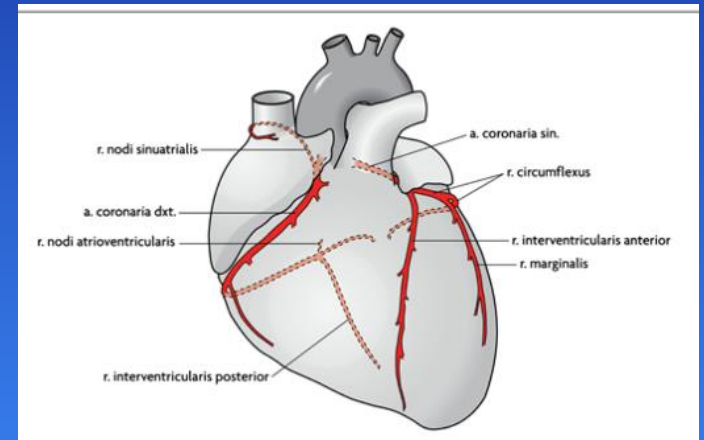
- 1) Kontrastfyldt blod i lumen
- 2) Musculus papillare
- 3) Chorda tendinea



Coronar arterierne



CT af cor

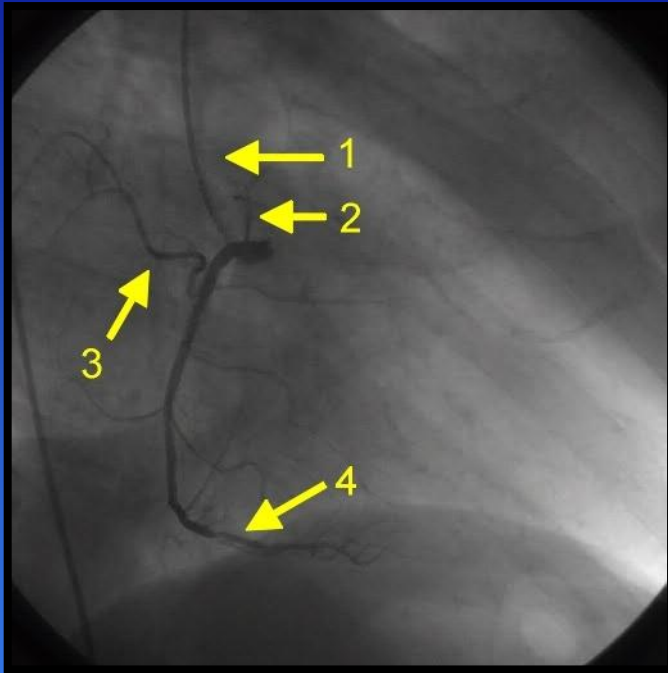


”Hovedets, halsens og de indre organers anatomi”

KAG: Koronar angiografi

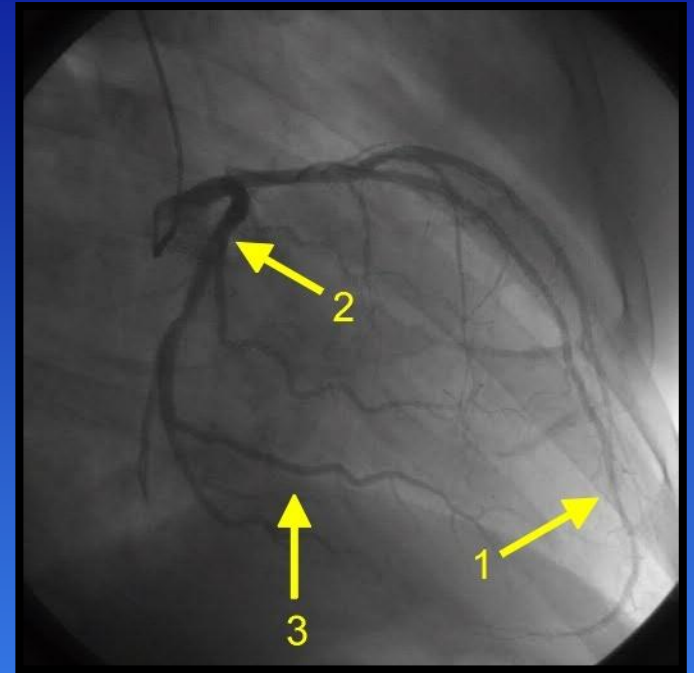


A. coronaria dextra



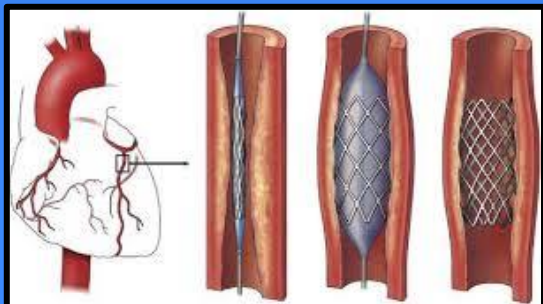
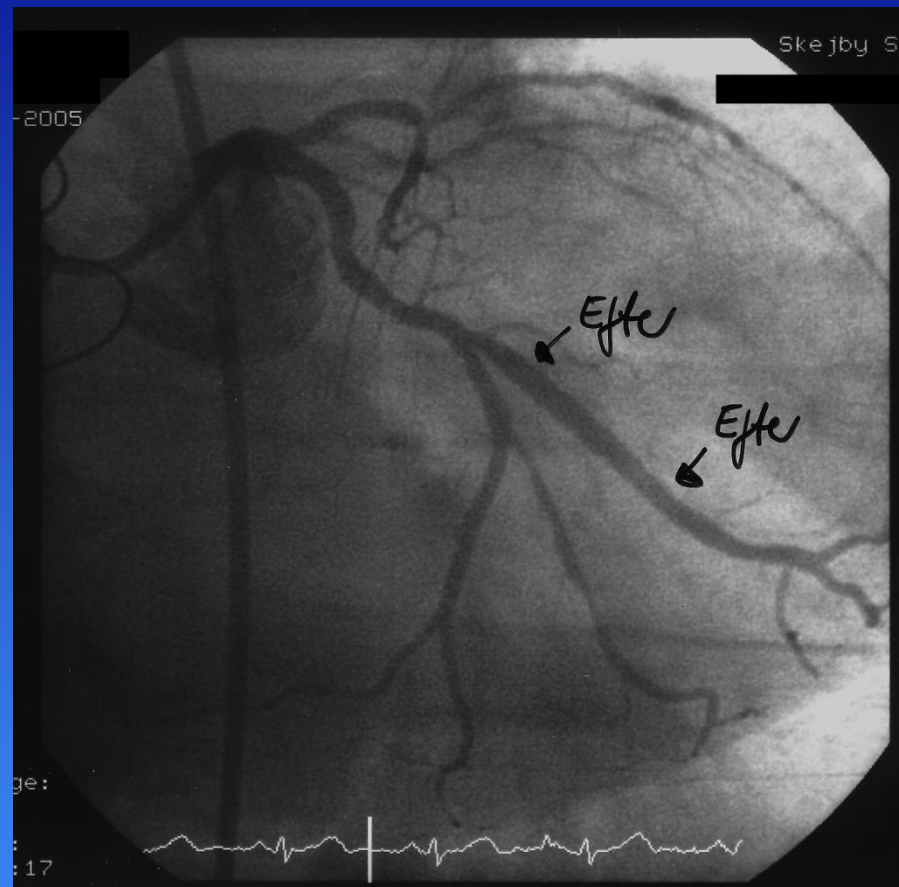
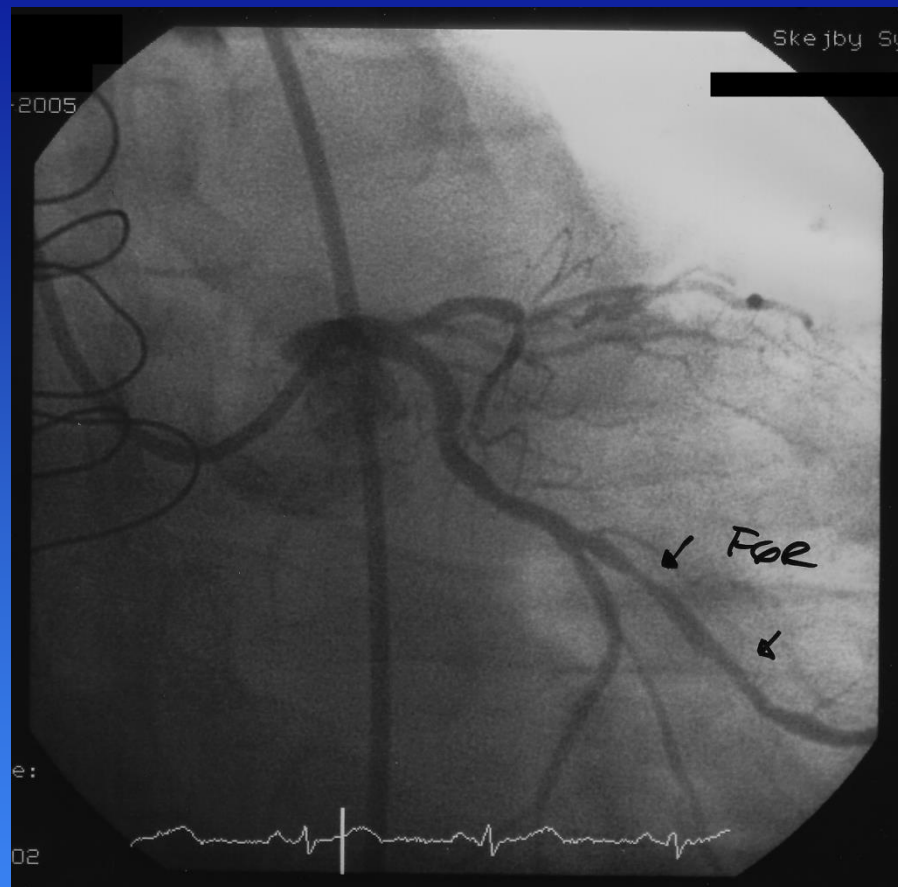
- 1: Kateter
- 2: Conus gren
- 3: R. nodi sinuatrialis
- 4: R. interventricularis post

A. coronaria sinistra



- 1: Ramus interventricularis ant.
- 2: Ramus circumflexus
- 3: Ramus marginalis

KAG før og efter ballon dilatation (udvidelse).



Ballon kateter føres ind igennem forsnævringen, hvorefter ballonen pustes op og udvider metalgitteret (stenten).

Illustration til venstre: Sundhedsstyrelsen

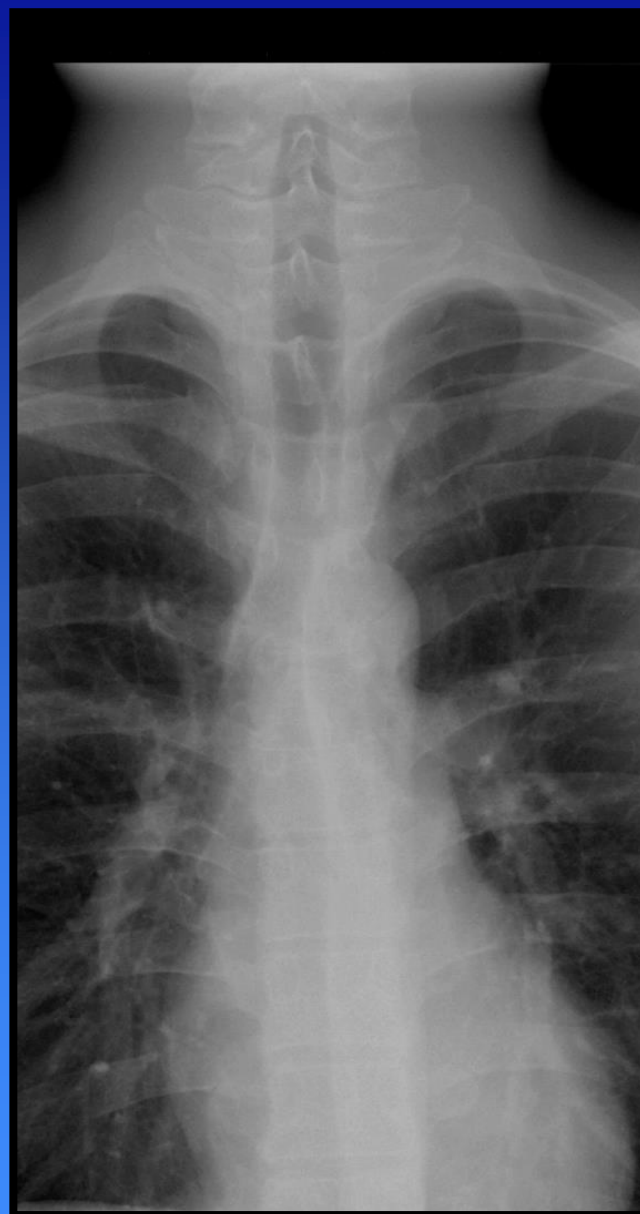
Trachea og bronchiesystem

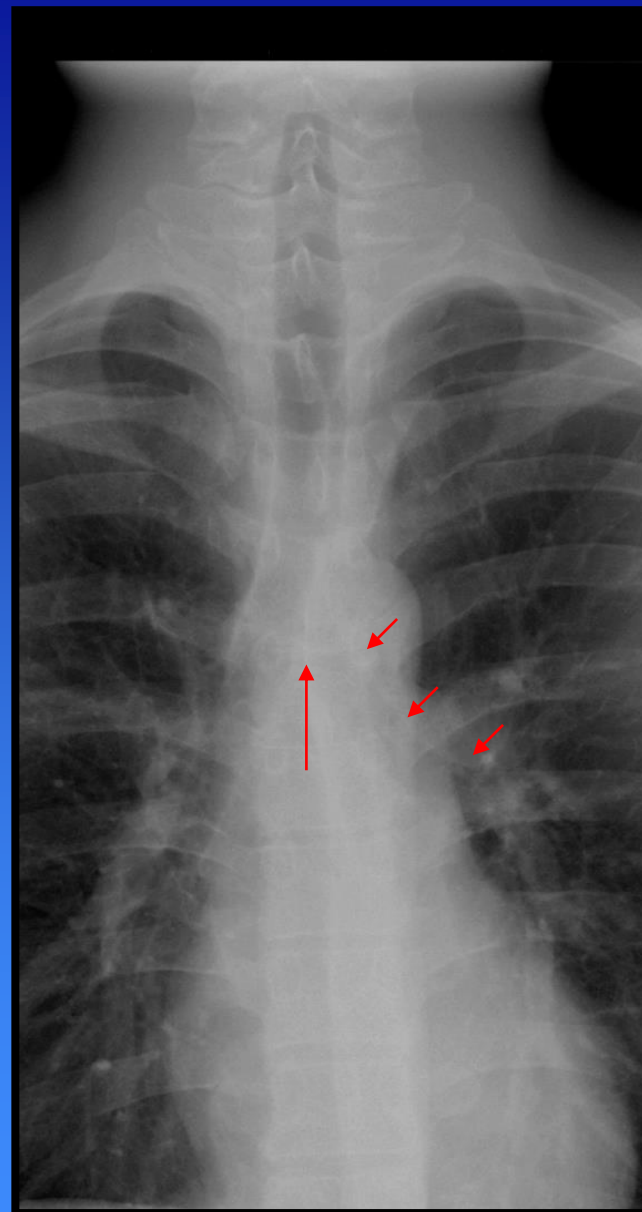
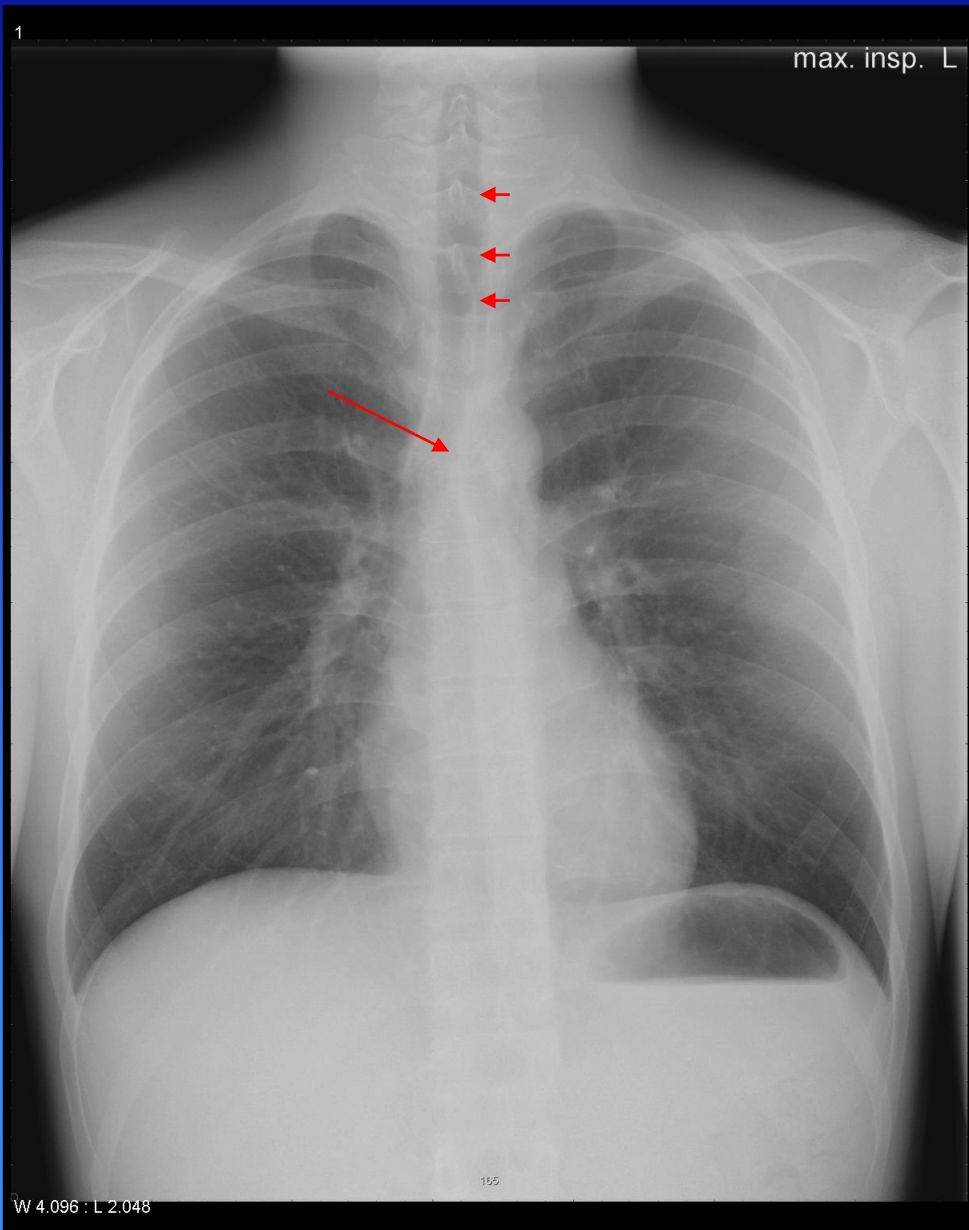
1

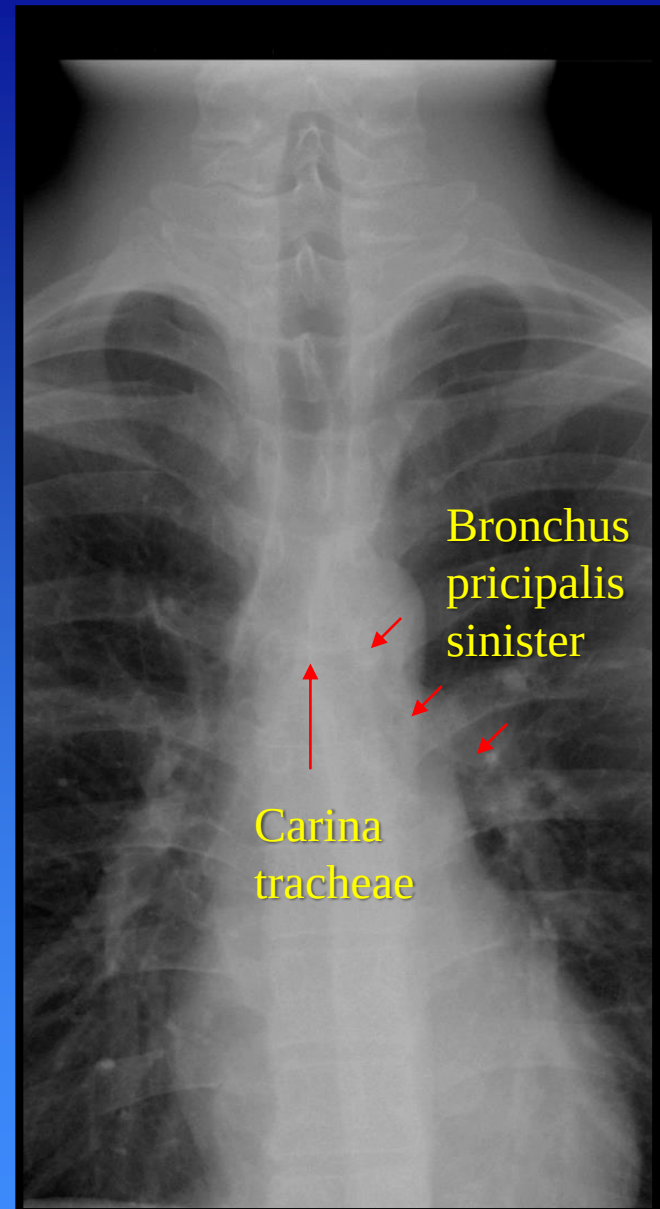
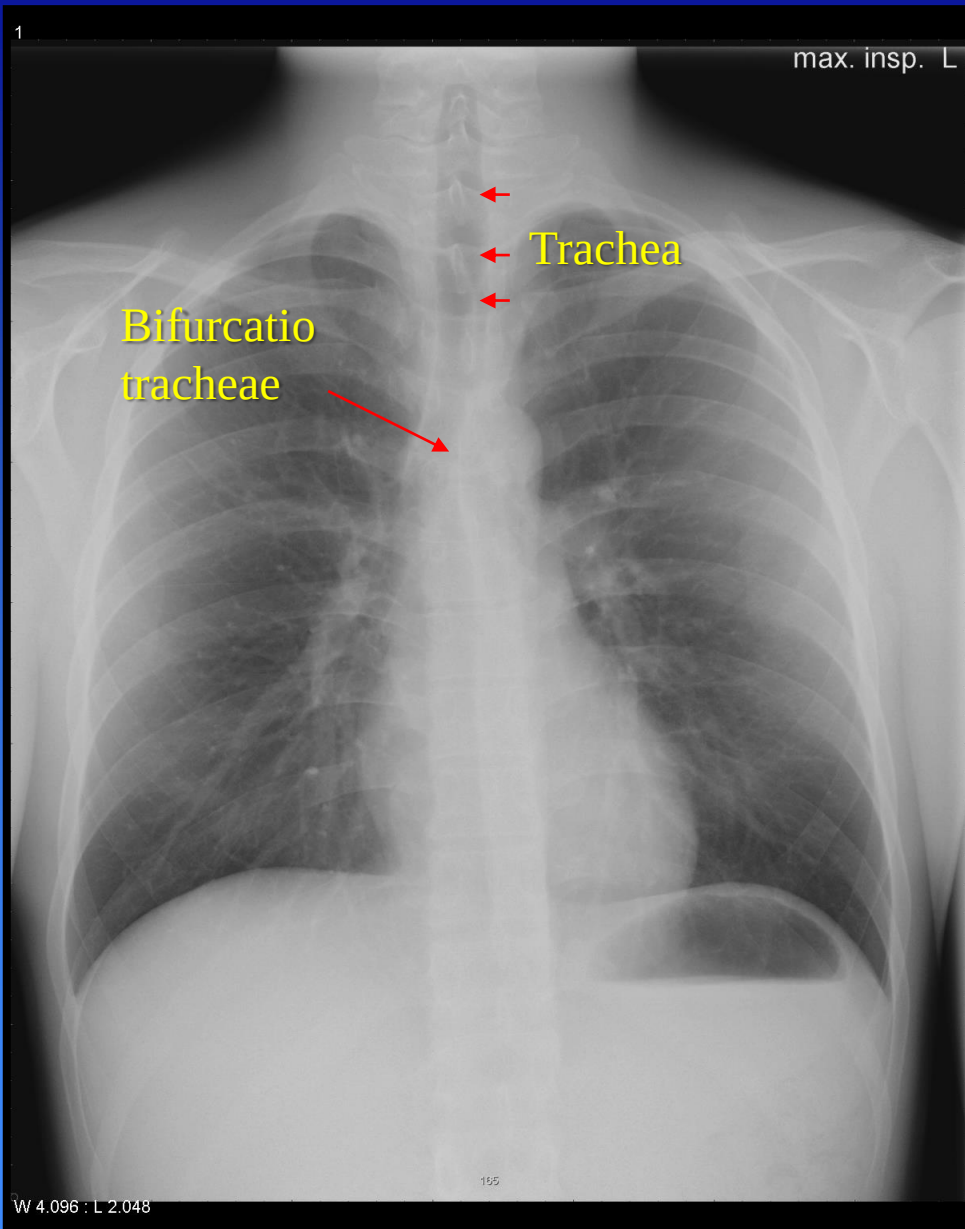
max. insp. L



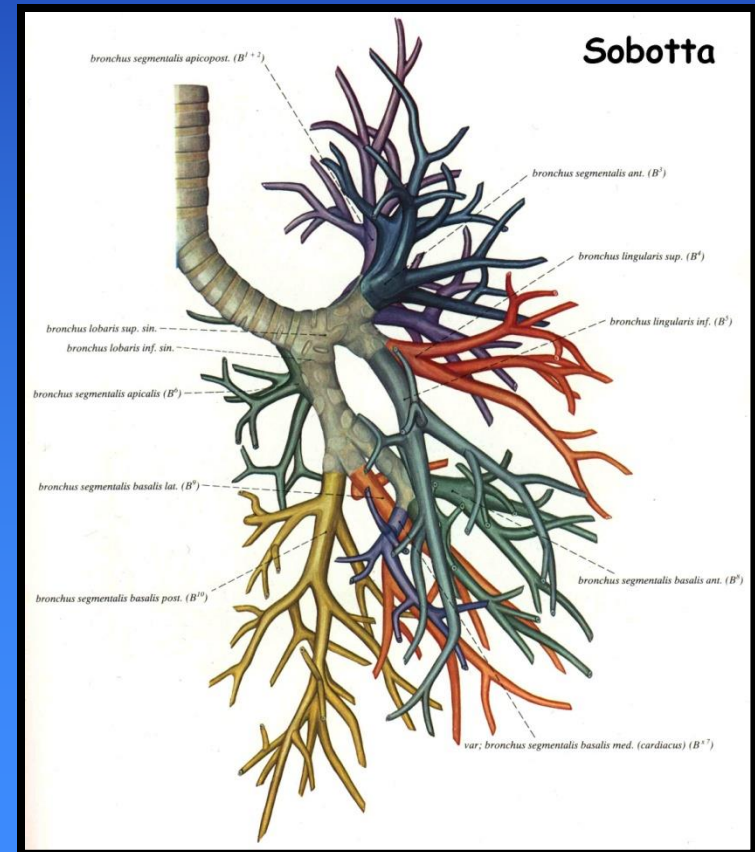
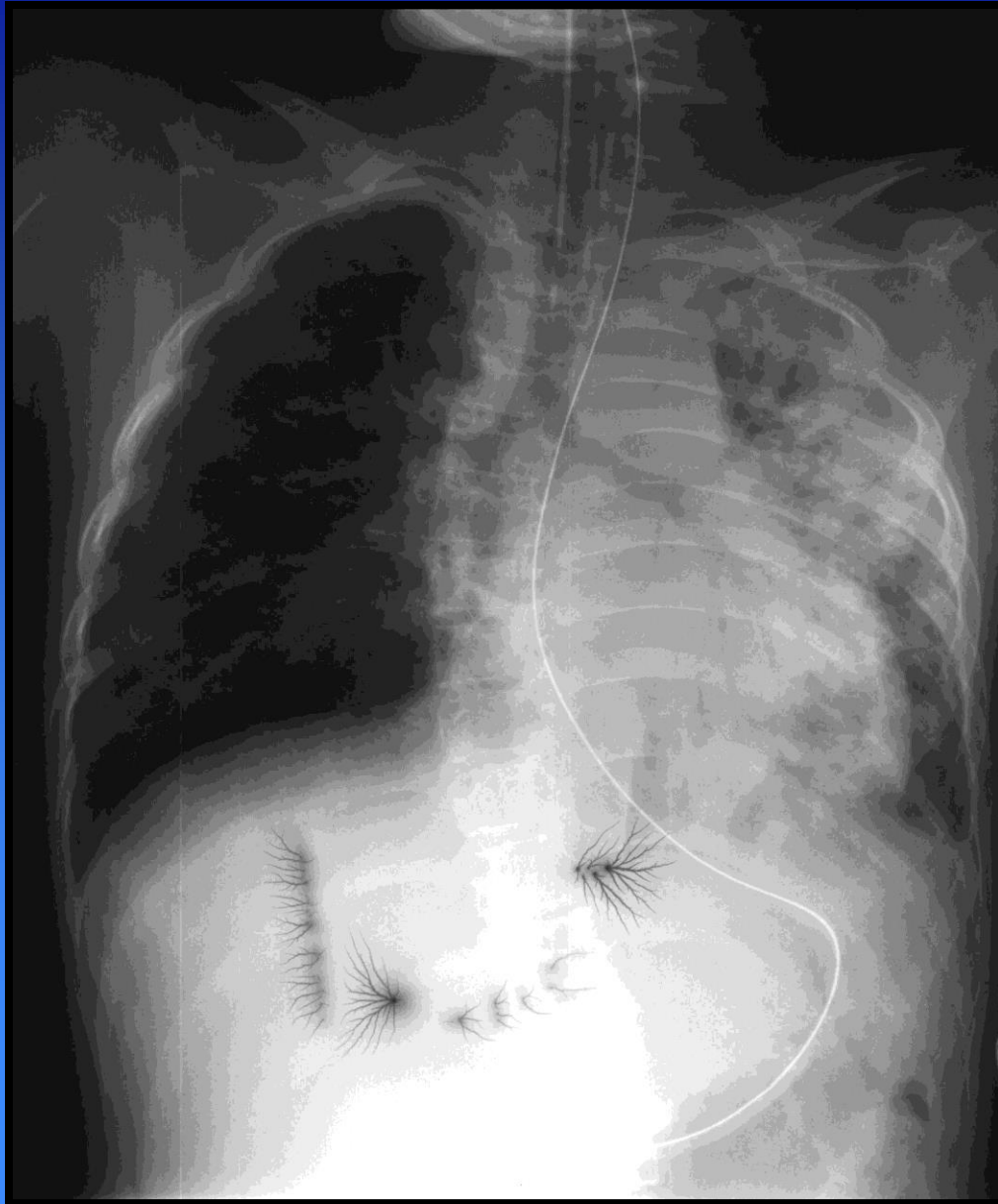
W 4.096 : L 2.048

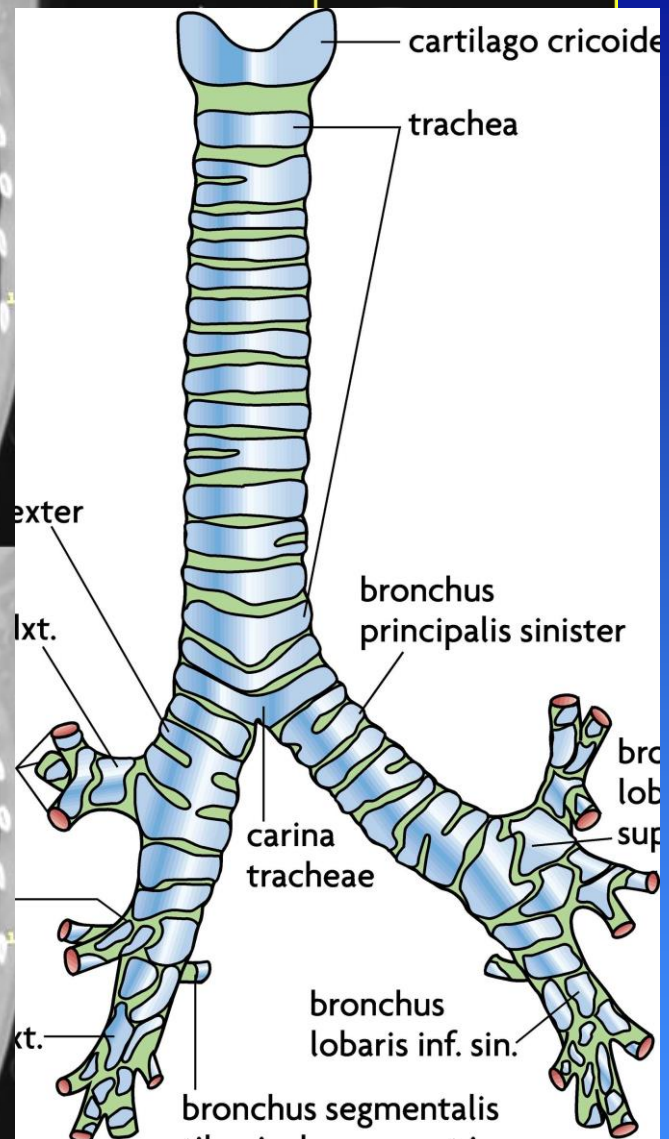
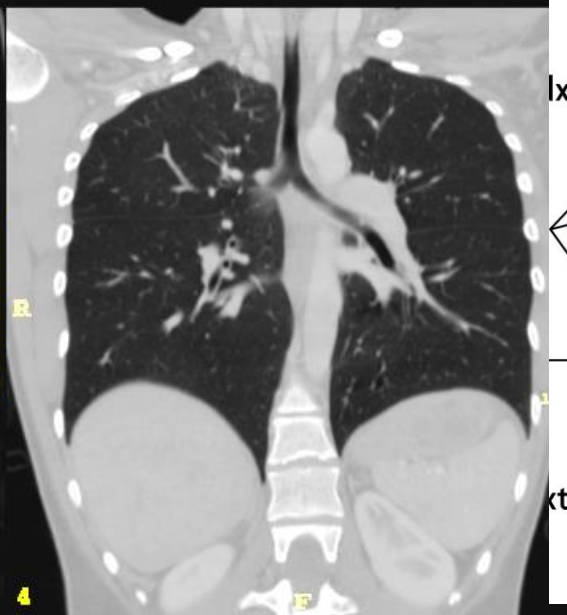
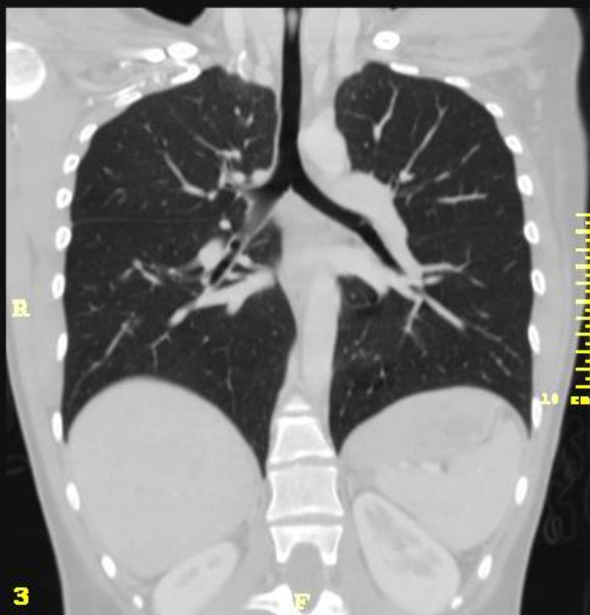
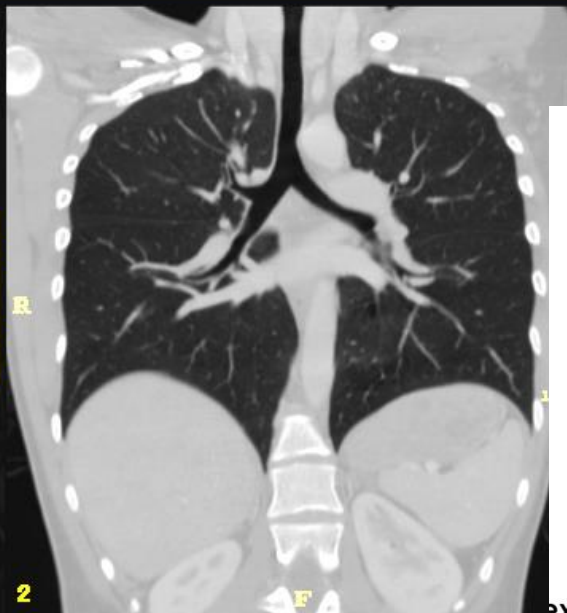
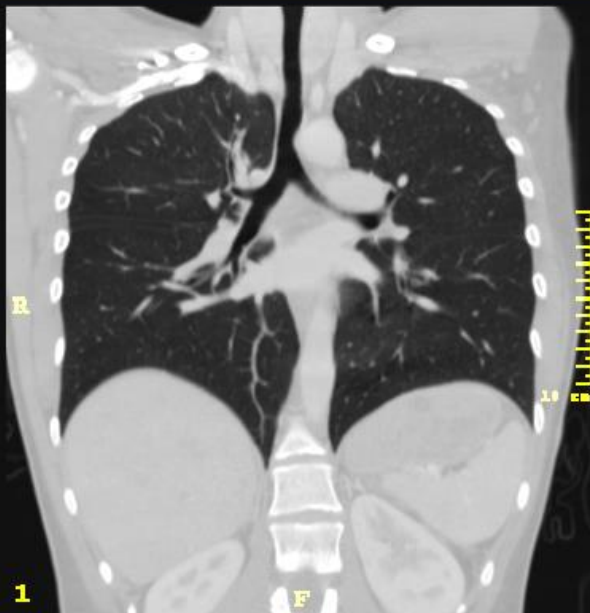




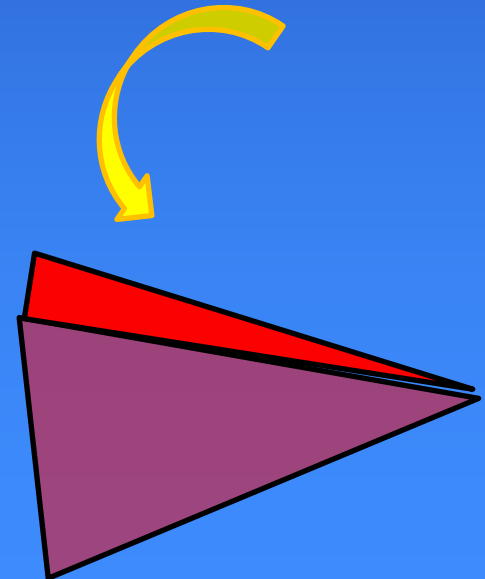
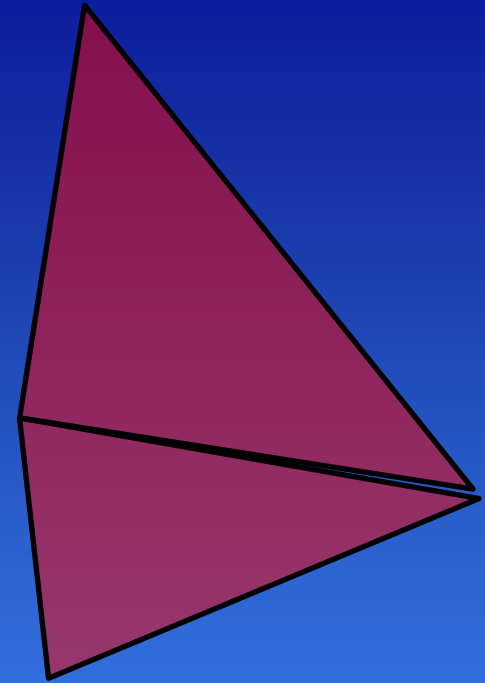
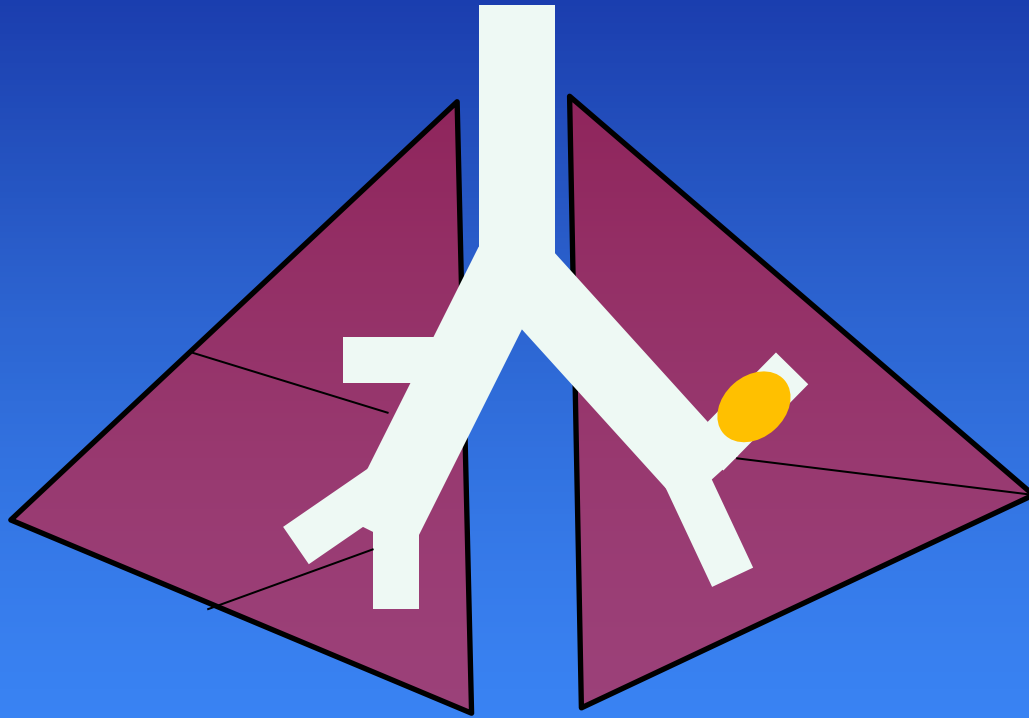


Svær venstresidig pneumoni (lungebetændelse) med luftbronchogram.

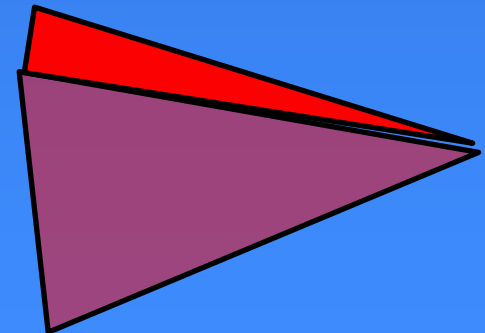
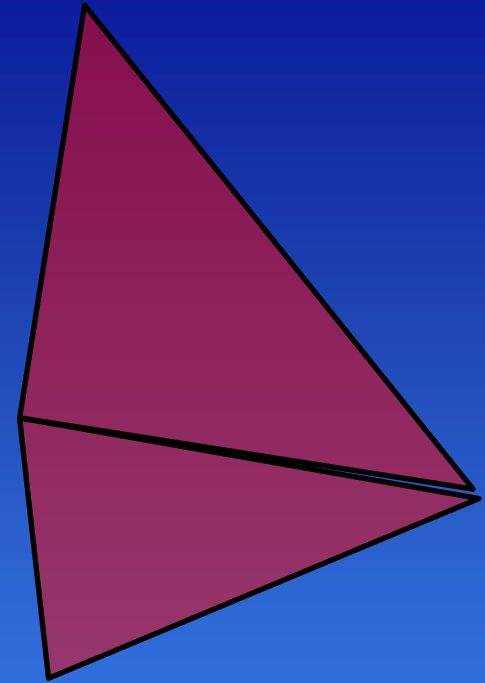
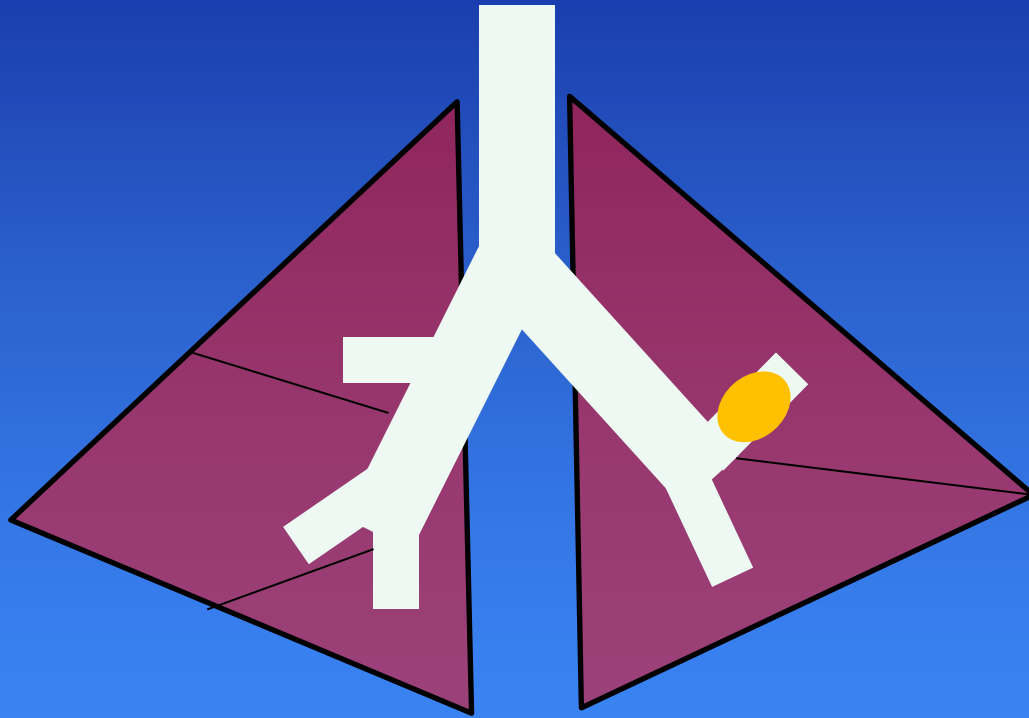




Atelektase

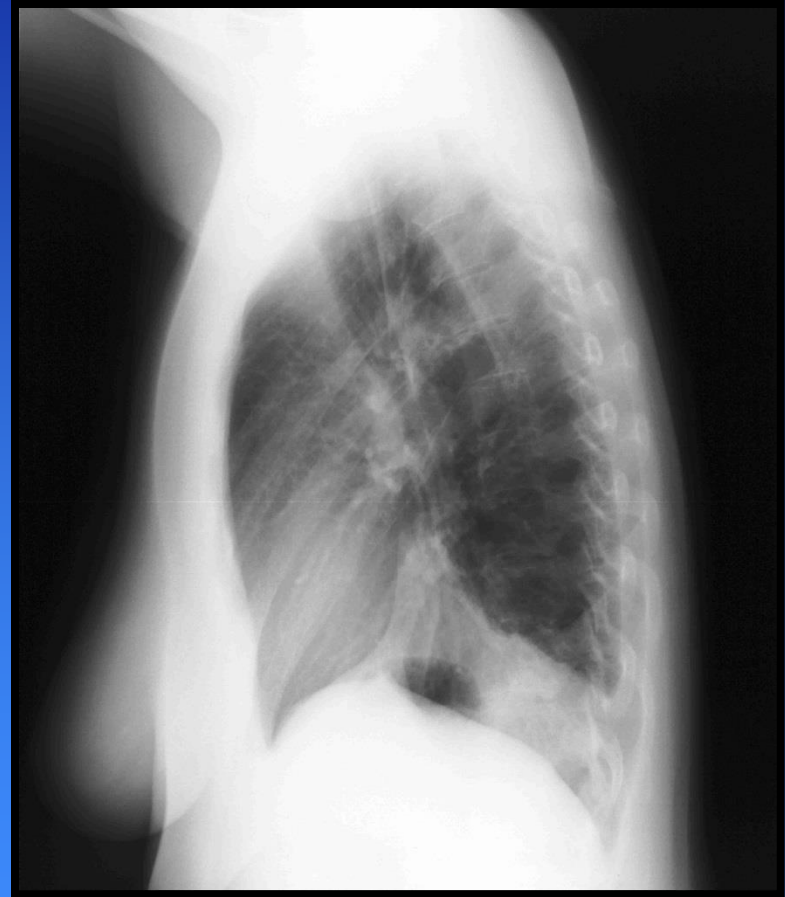
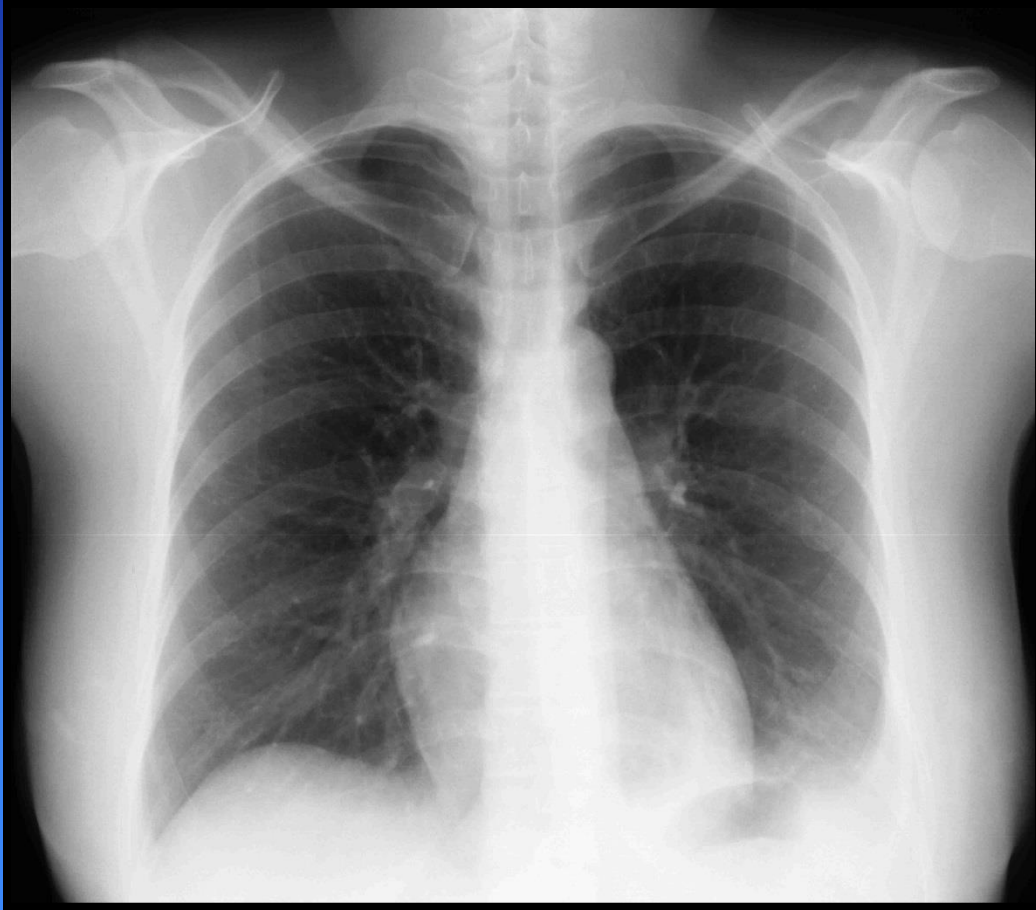


Atelektase

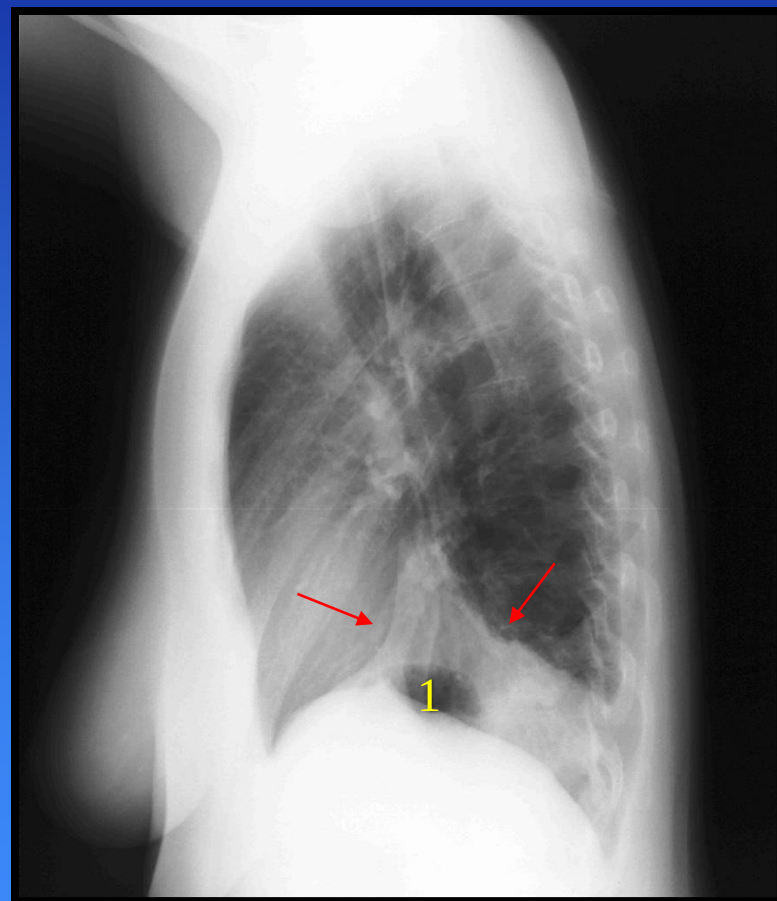
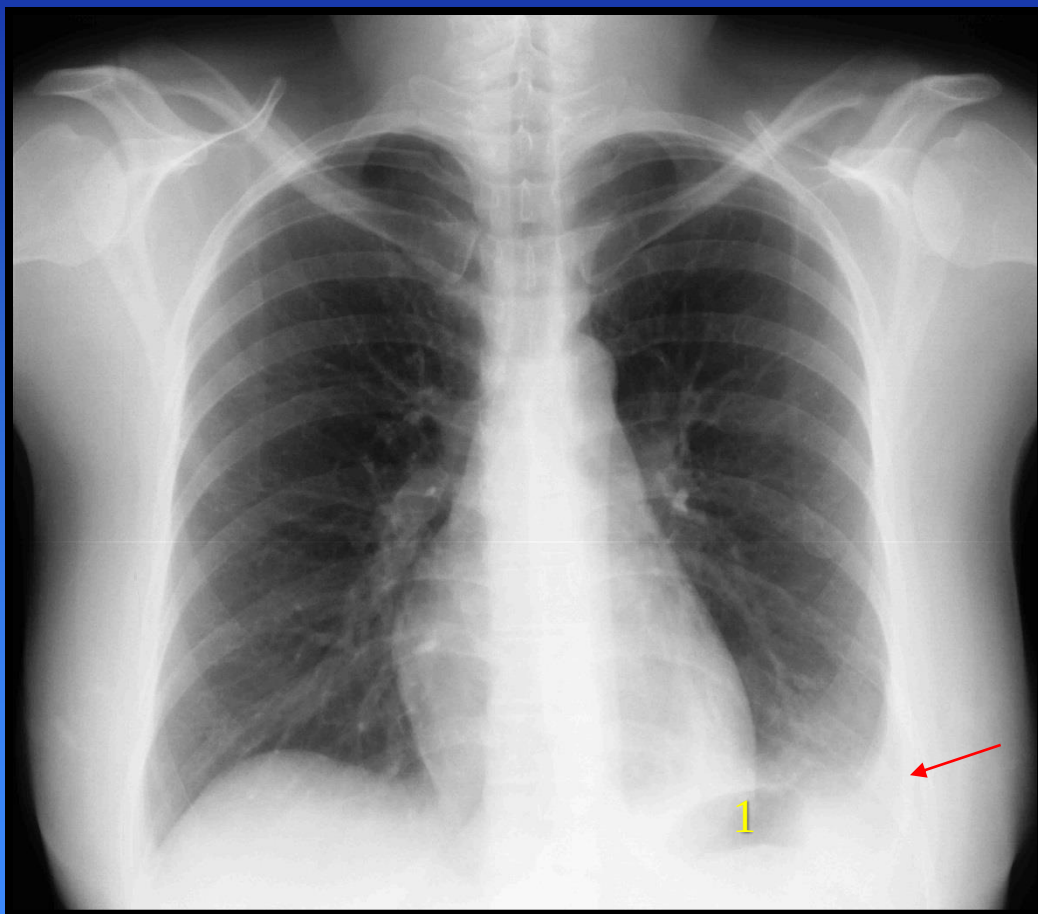


- Fremmedlegeme der okkluderer en bronchie.
Hermed ingen ventilation af et lungeafsnit,
der så falder sammen.
Der kan være andre årsager til atelektaser

31 årig kvinde med atelektase af venstre underlap.

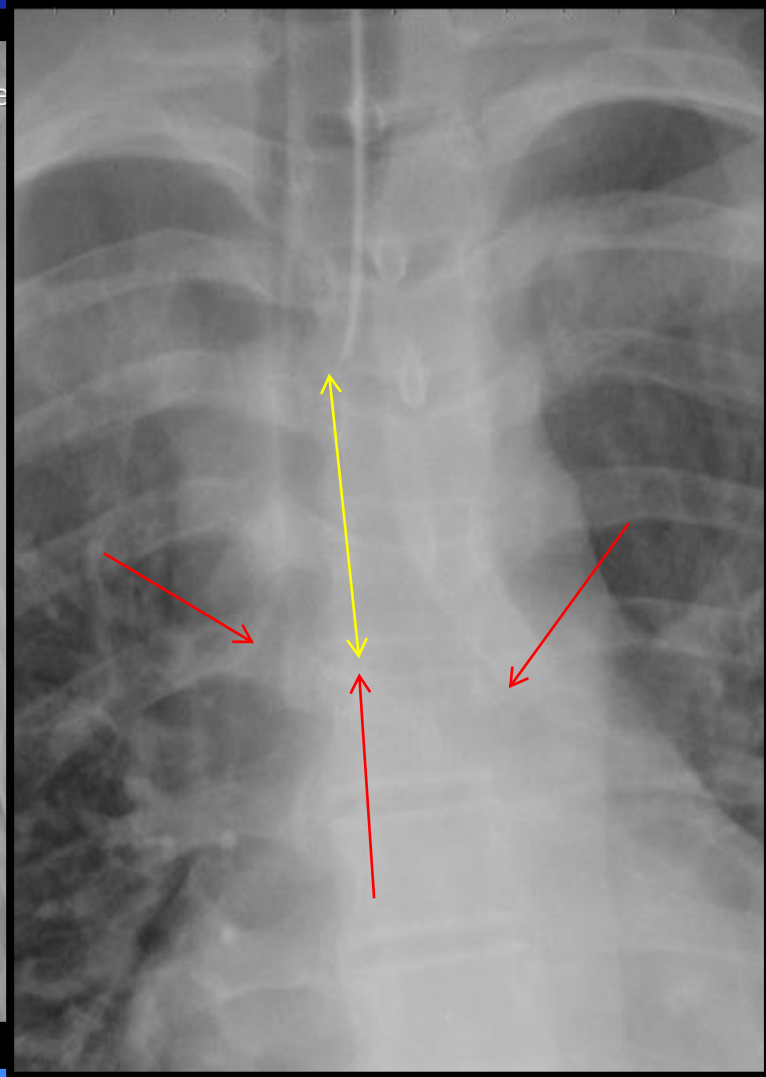
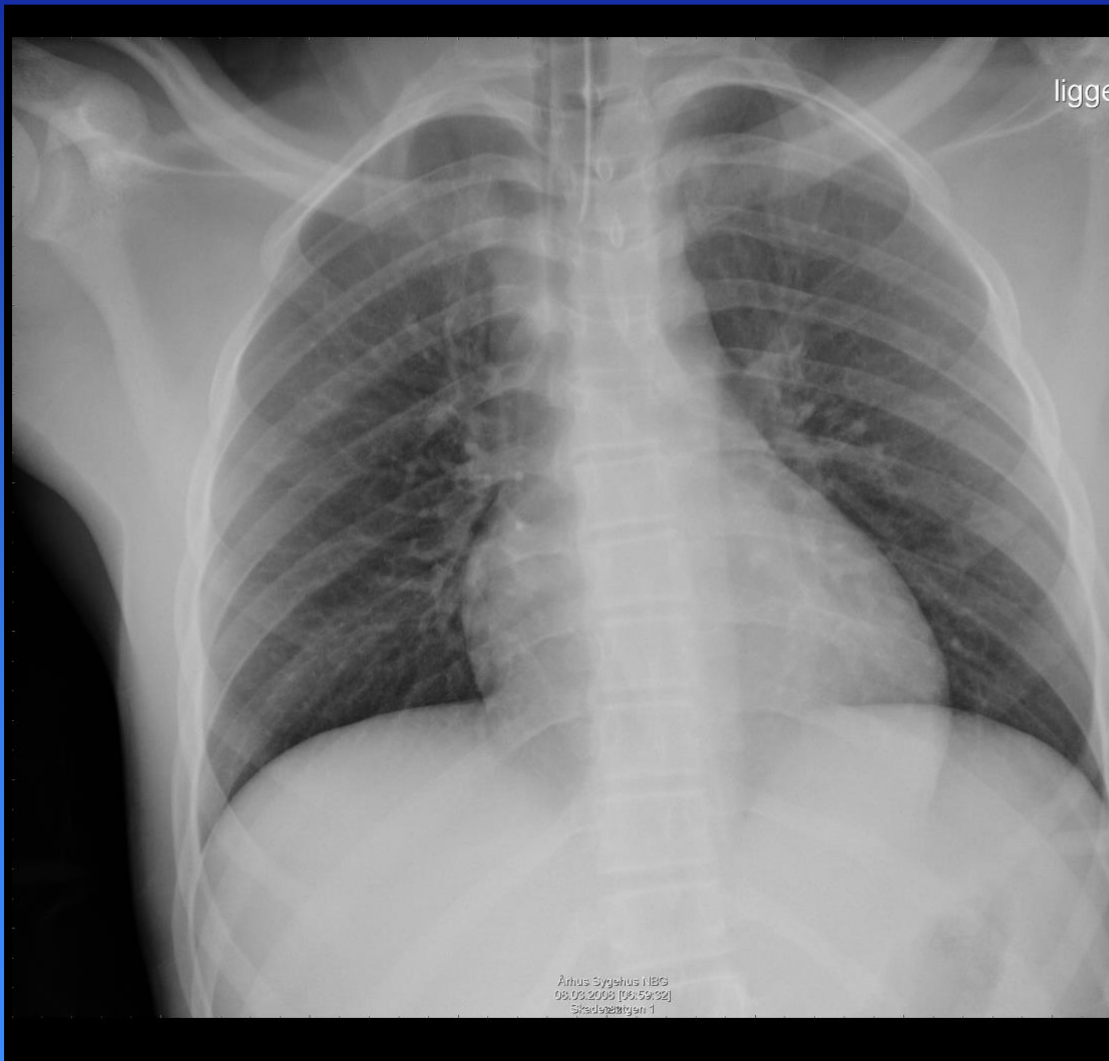


31 årig kvinde med atelektase af venstre underlap.



På frontaloptyagelsen se sløring af diafragma kuplen, på sideoptagelse se den atelektatiske del af underlappen. Bemærk luft i fundus ventriculi (1).

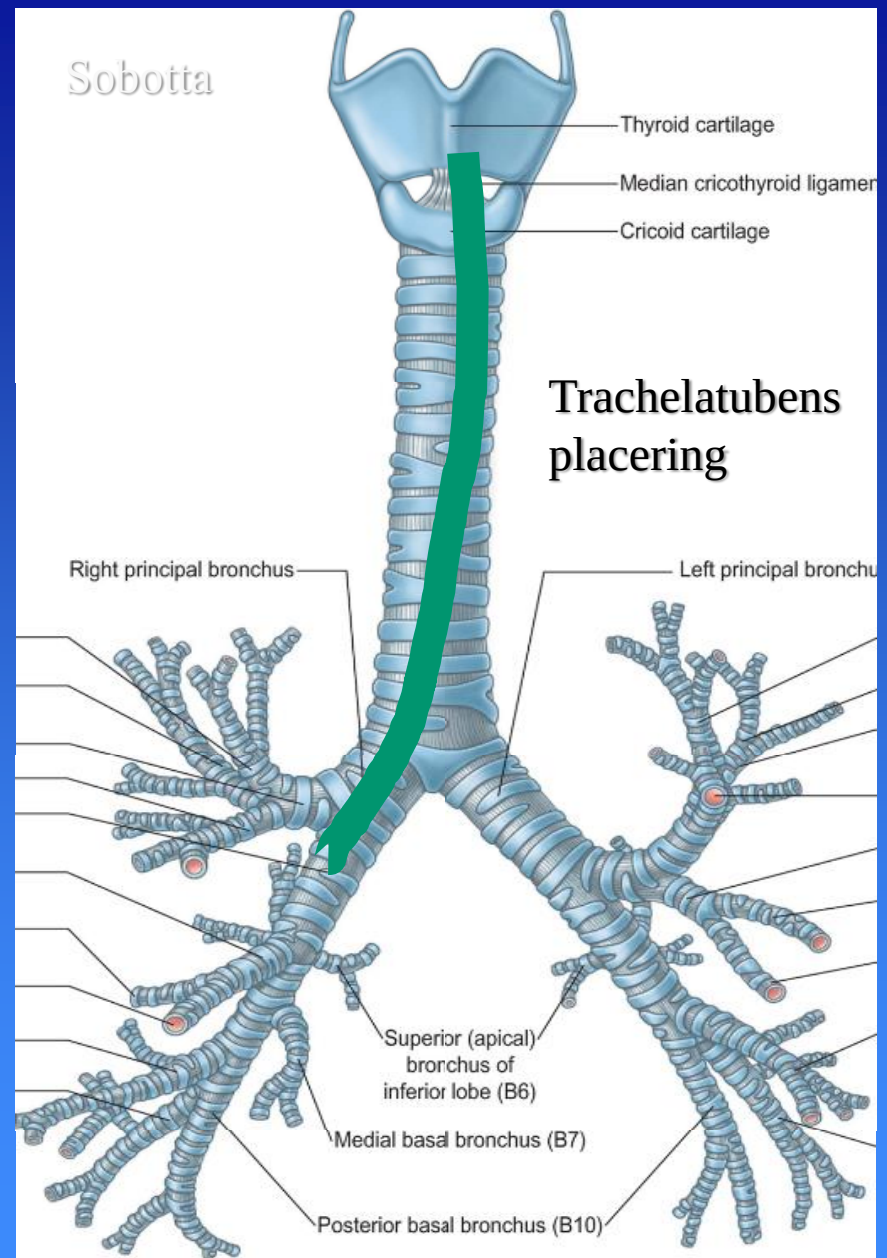
Intubet patient

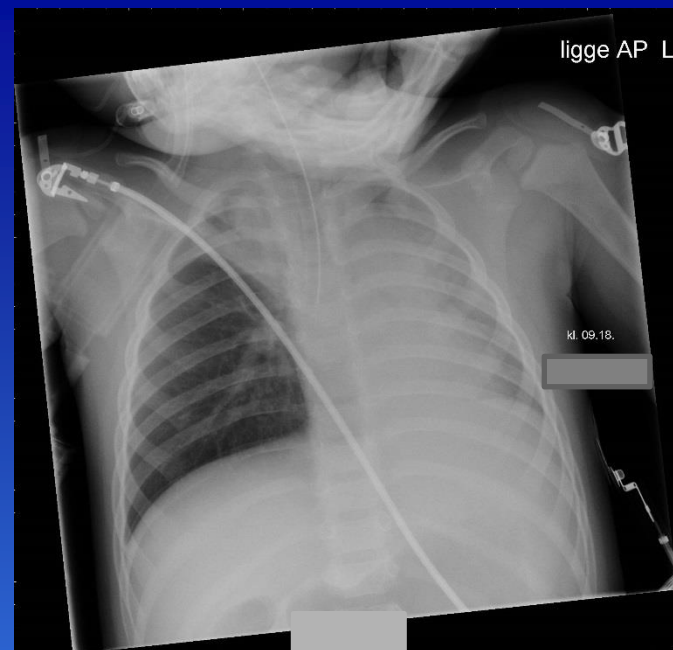
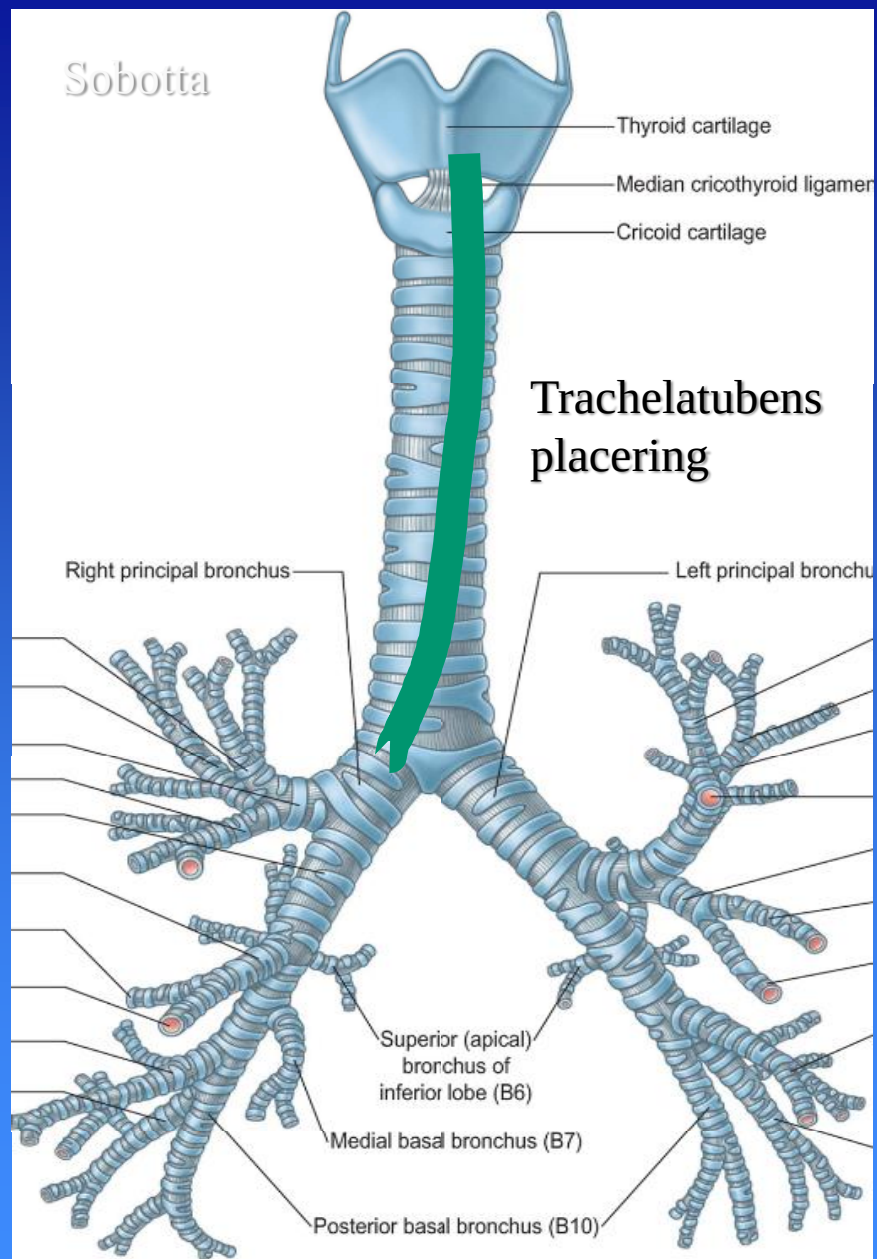




Traumepatient, der netop er blevet intuberet. Røntgenundersøgelsen viser atelektase af venstre lunge og højre lunges overlap. Dette fortæller at tuben ligger forbi afgangen af overlaps bronchus (bronchus lobaris superior dexter).

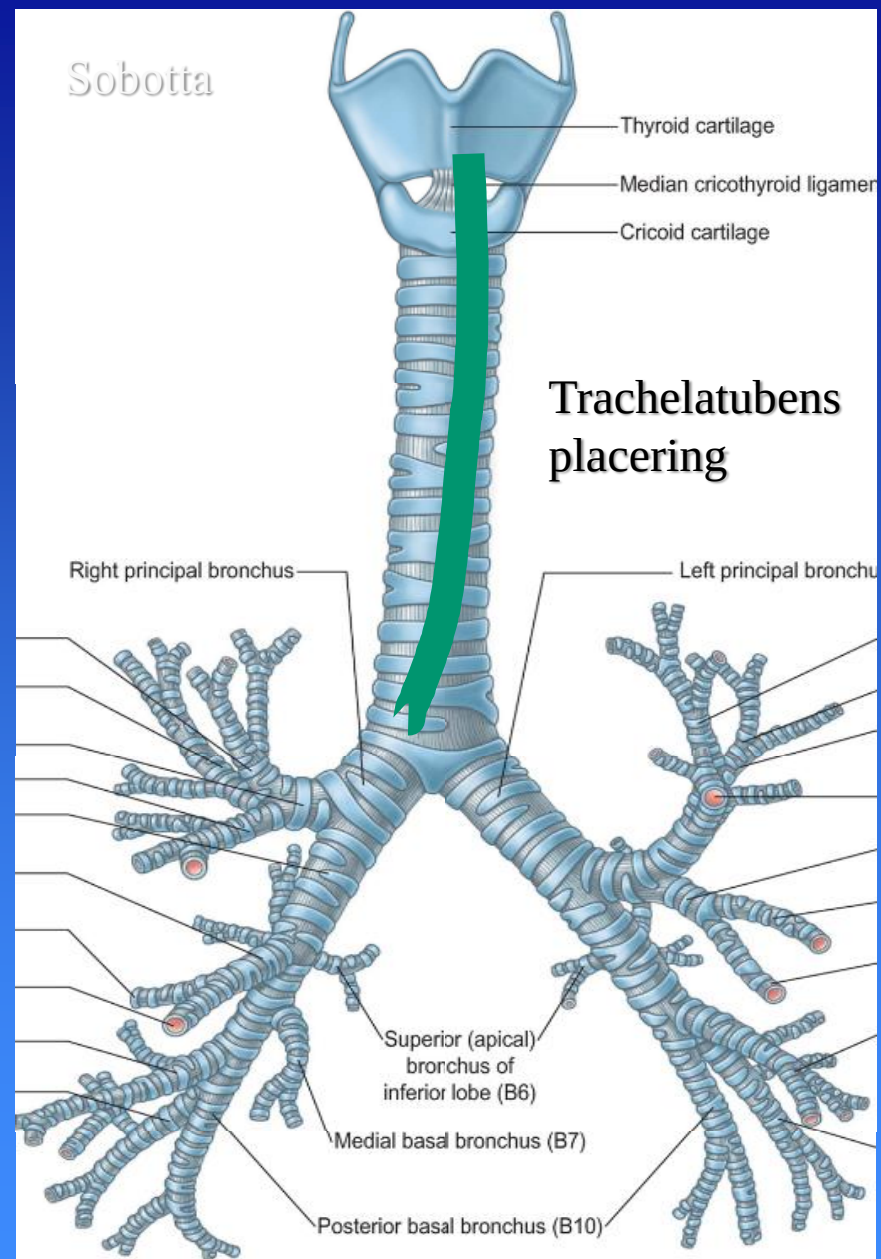
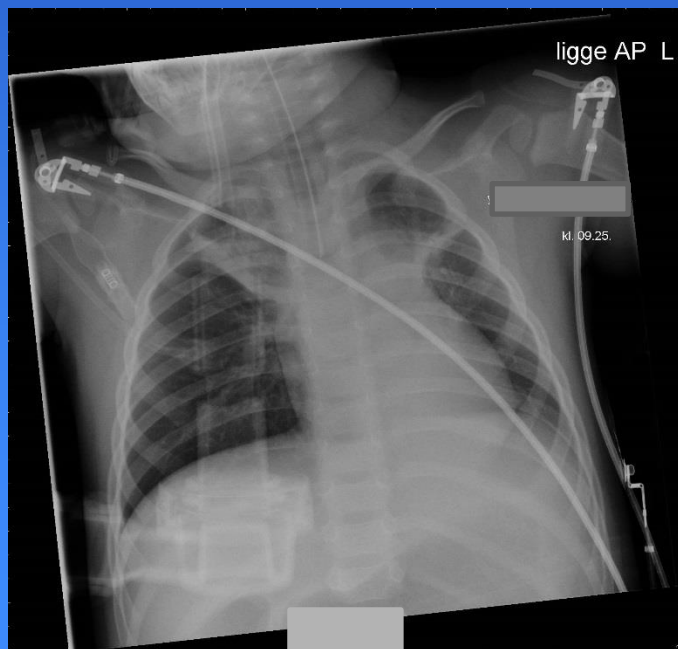
Bemærk at hjertet rykker over mod den atelektatiske (sammenfaldne) venstre lunge.





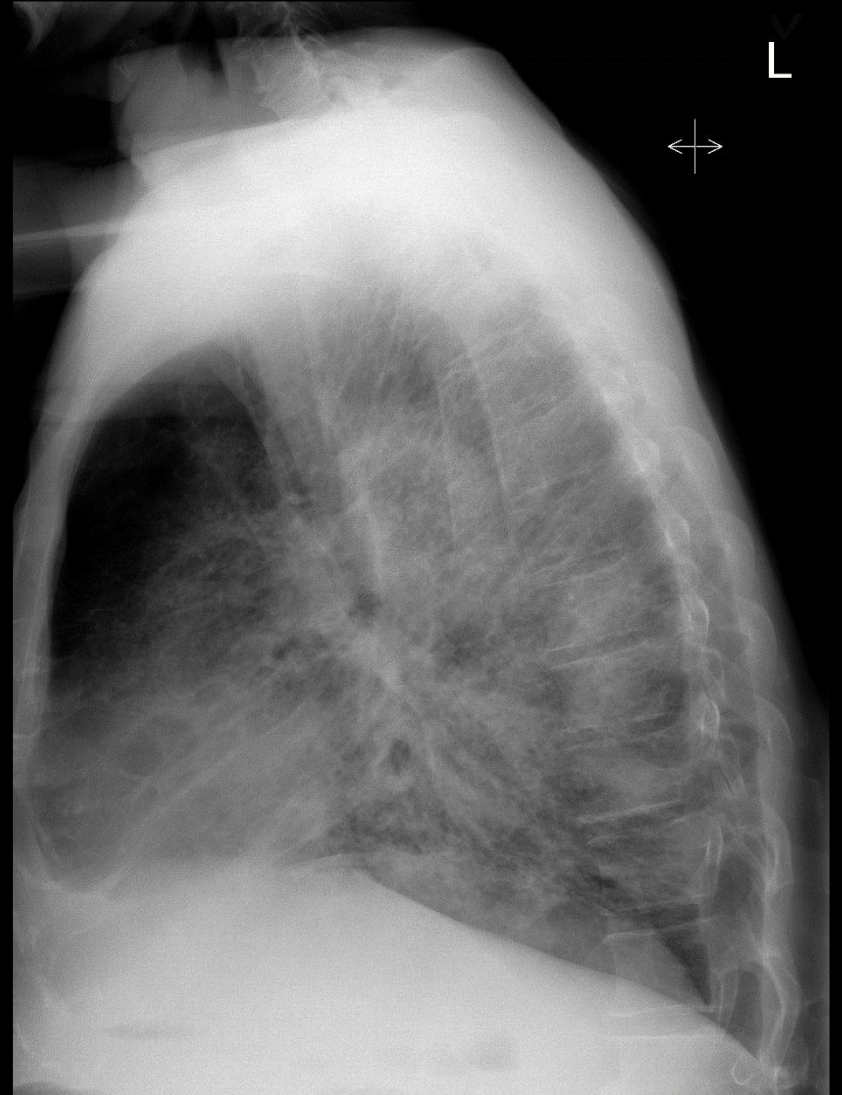
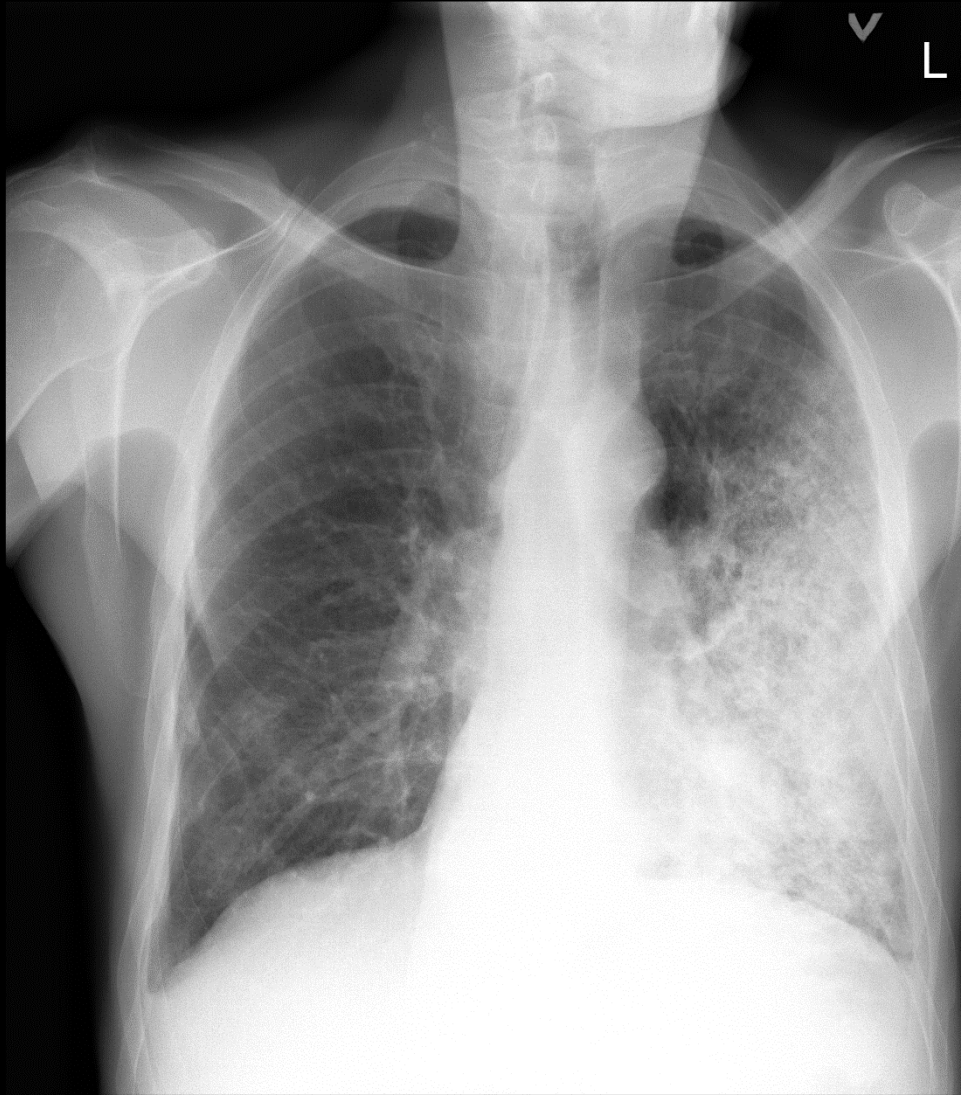
Tuben er nu trukket lidt tilbage, atelektasen i overlappen regredierer. Fortsat dårlig ventilation af venstre lunge.

Tuben trukket yderligere tilbage, venstre lunge ventileres nu også.



Pulmones

57-årig mand med venstresidigt infiltrat (Her: Lungebetændelse)



Lungernes topografi og relationer: CT 3D



Apex pulmonis.

Basis pulmonis.

Facies diaphragmatica.

Facies costalis.

Facies medistinalis.

Margo anterior.

Margo inferior.

Lungernes topografi og relationer : CT 3D



Apex pulmonis.

Basis pulmonis.

Facies diaphragmatica.

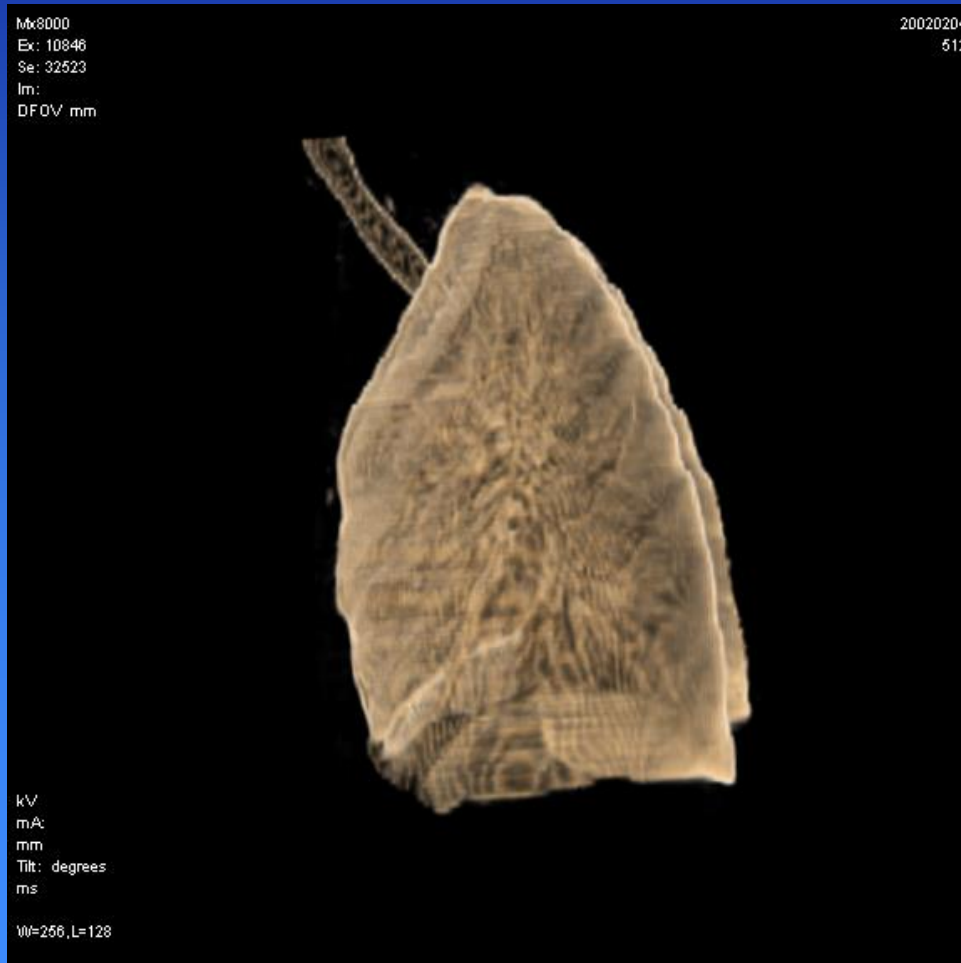
Facies costalis.

Facies medistinalis.

Margo anterior.

Margo inferior.

Lungernes topografi og relationer : CT 3D



Apex pulmonis.

Basis pulmonis.

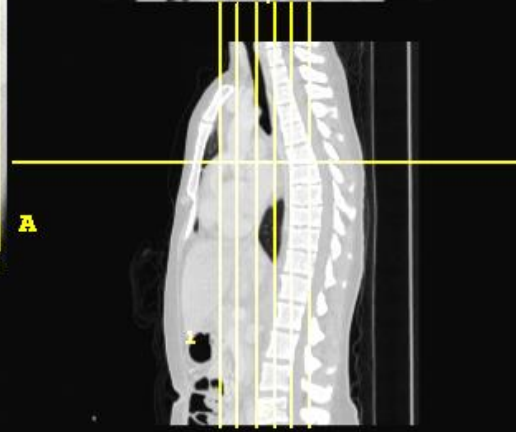
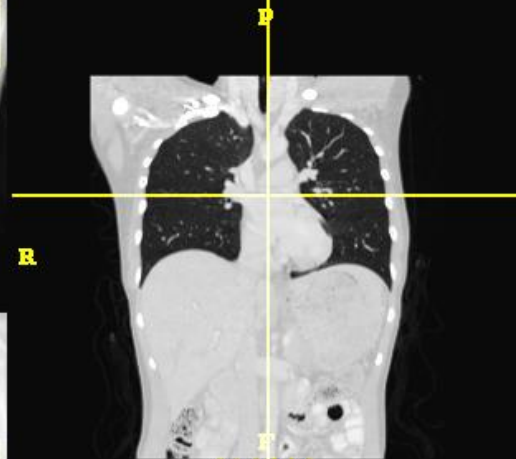
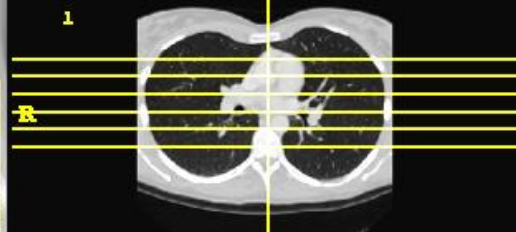
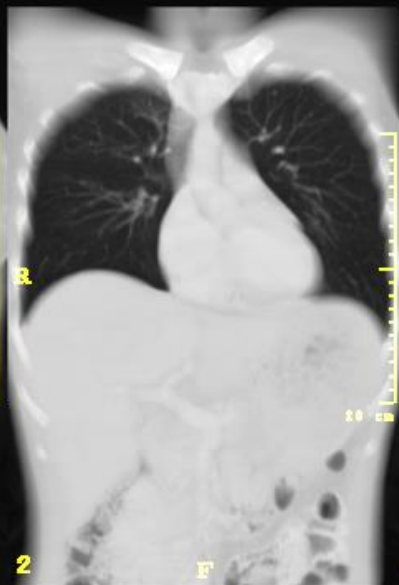
Facies diaphragmatica.

Facies costalis.

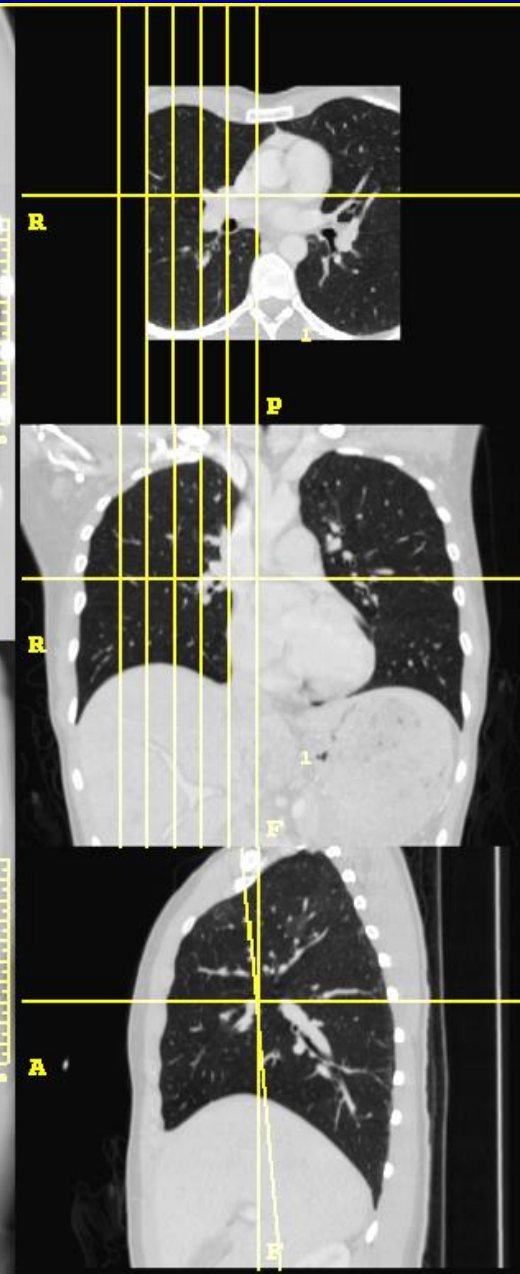
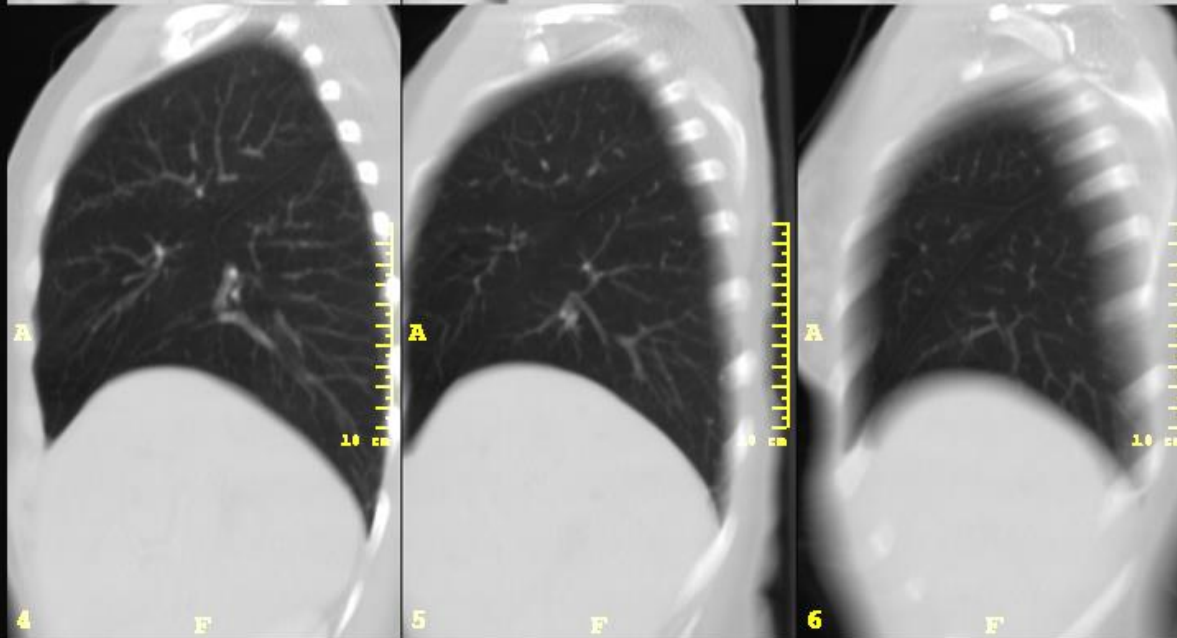
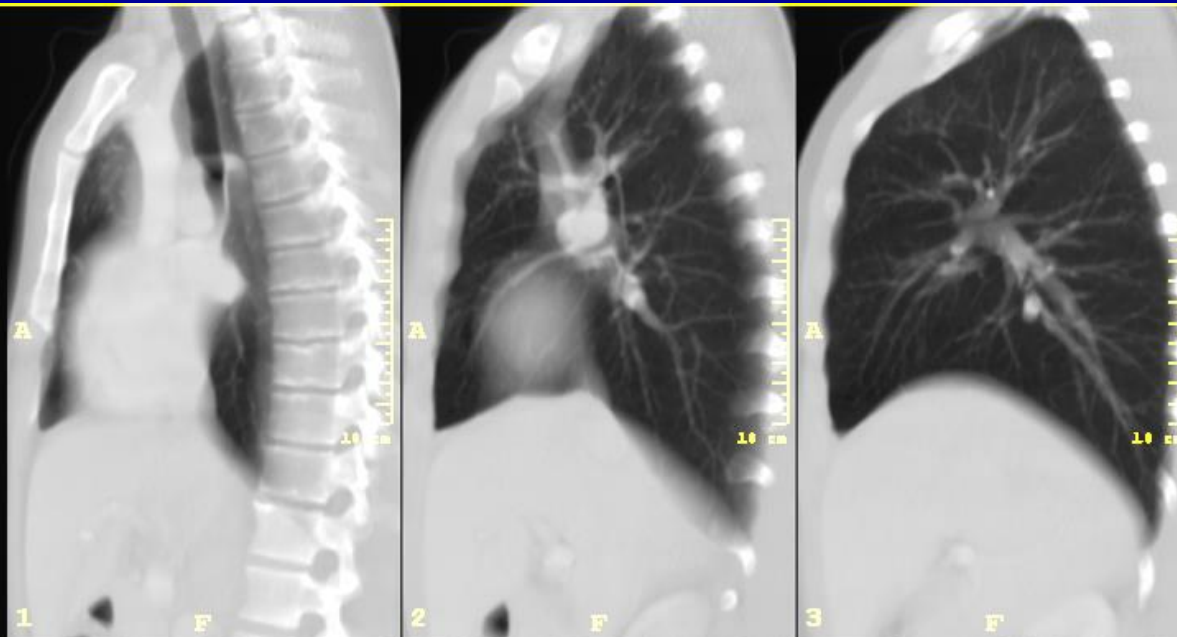
Facies medistinalis.

Margo anterior.

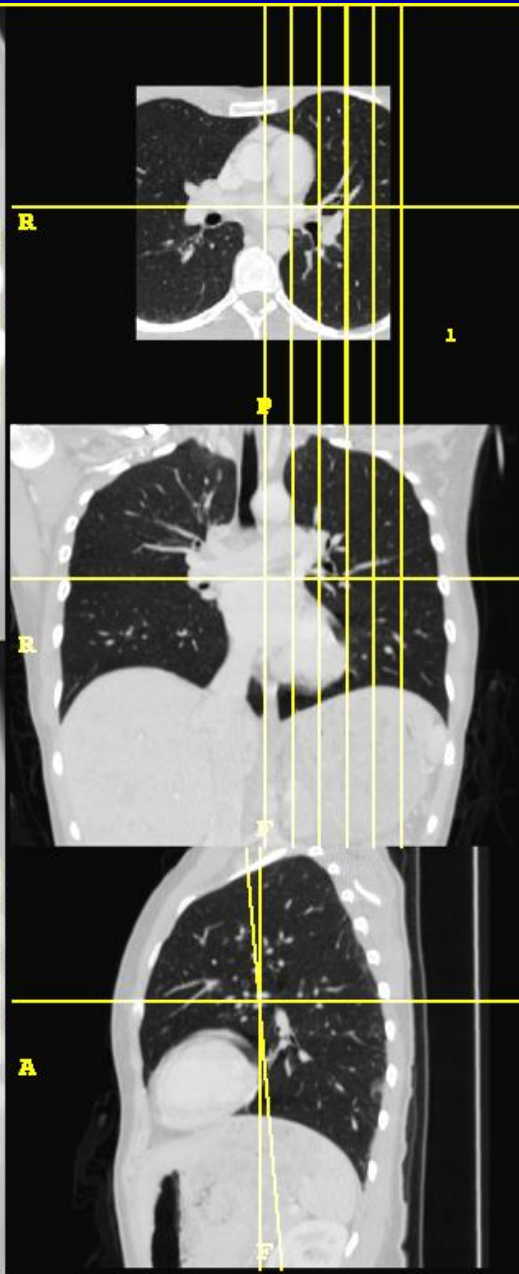
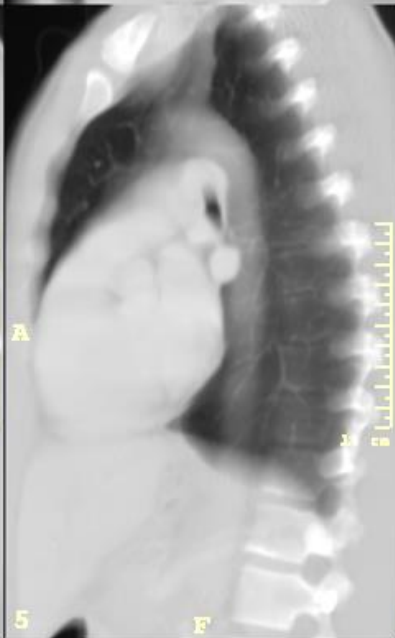
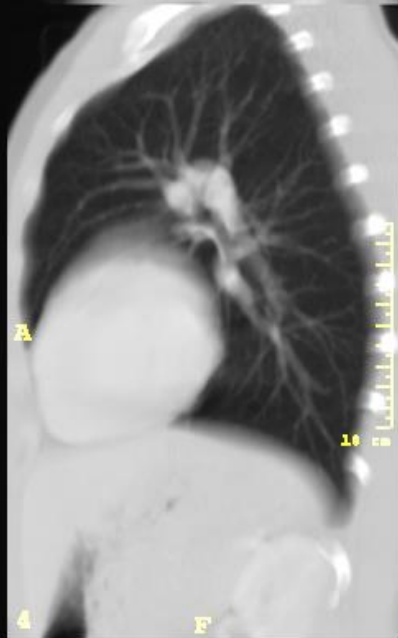
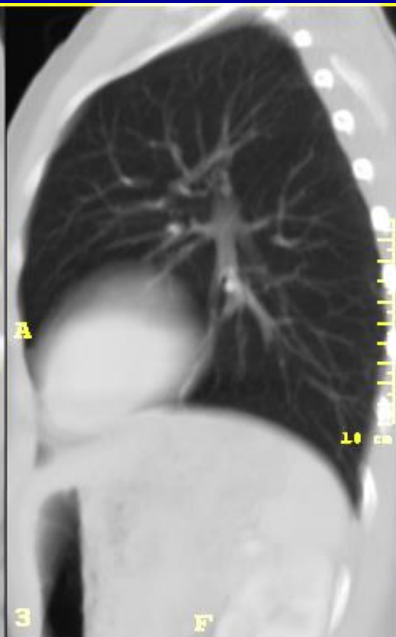
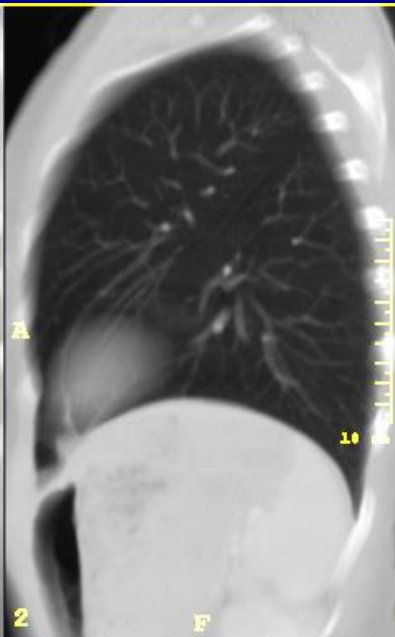
Margo inferior.



Højre lunge sagittalt



Venstre lunge sagittalt



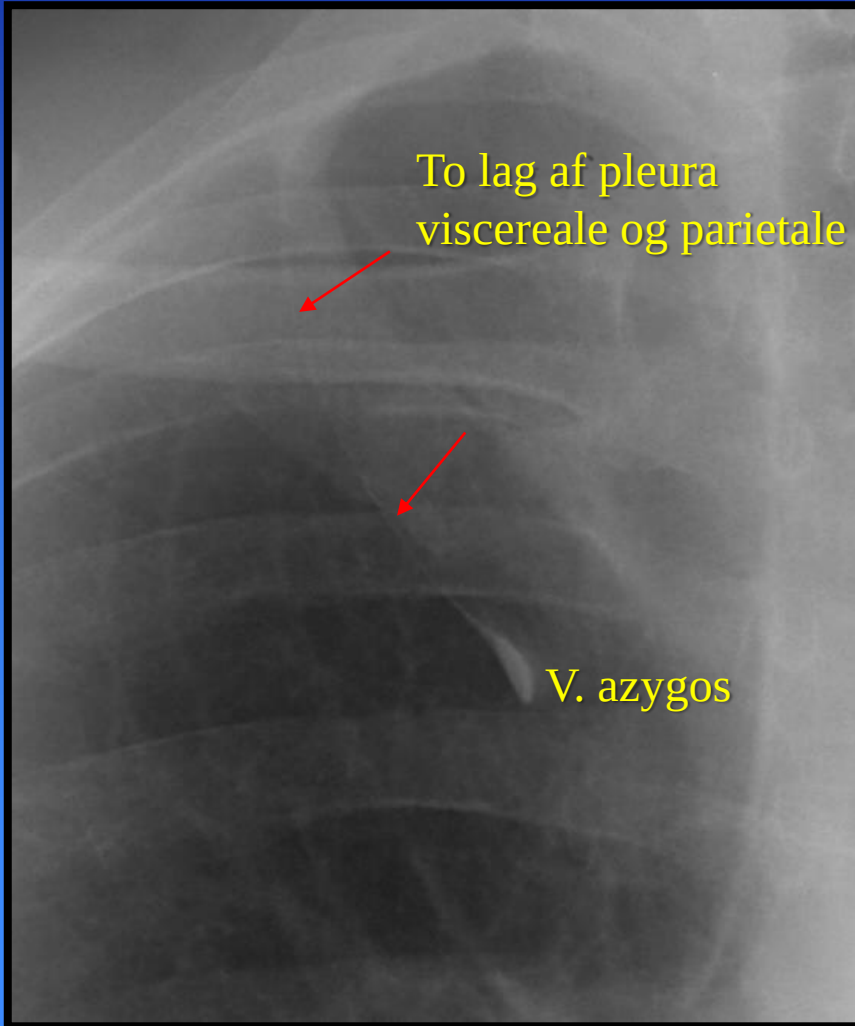
C1 -359
W1 1392

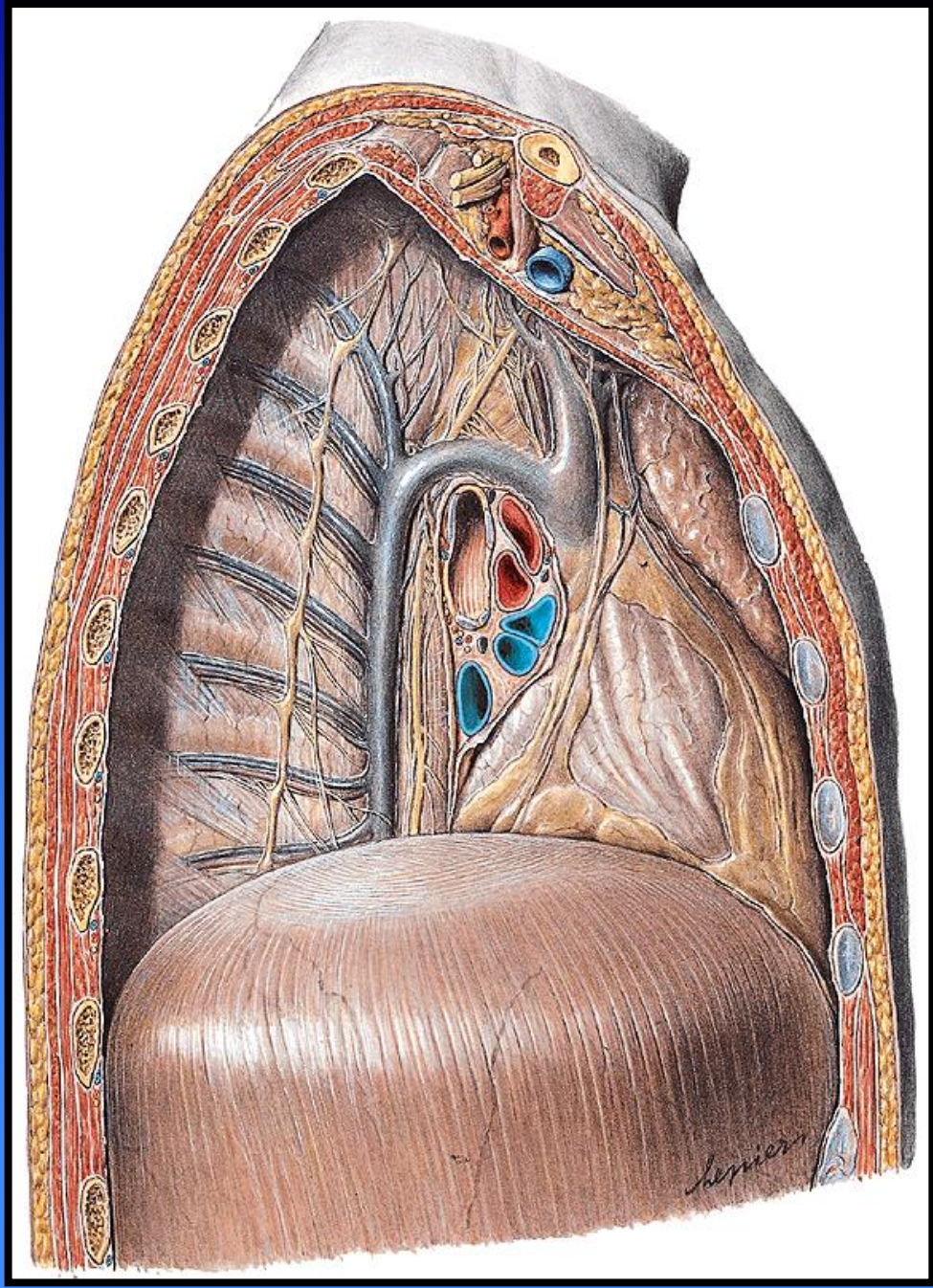
Pleura

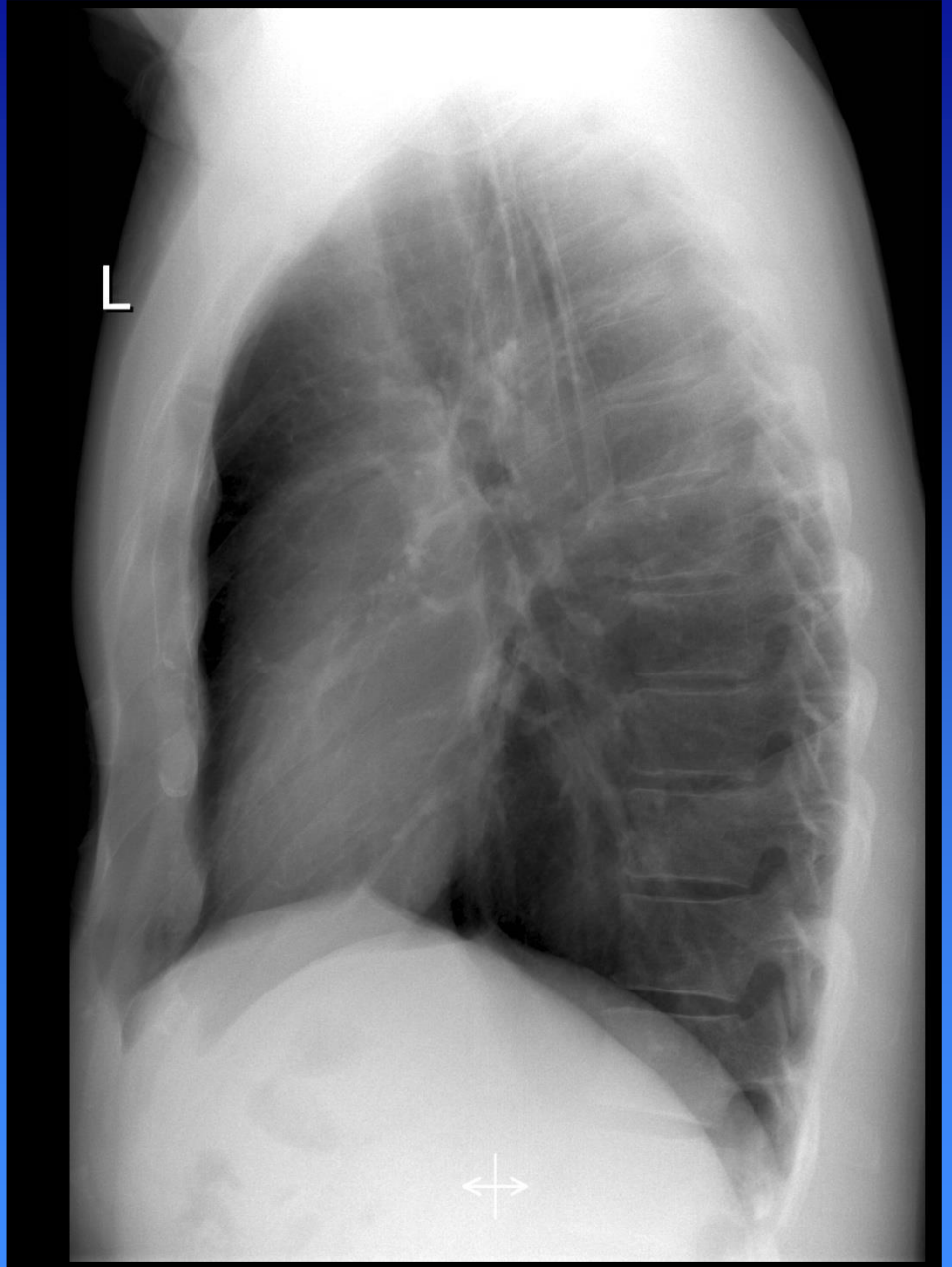
Lobus vena azygos: Anatomisk normalvariant

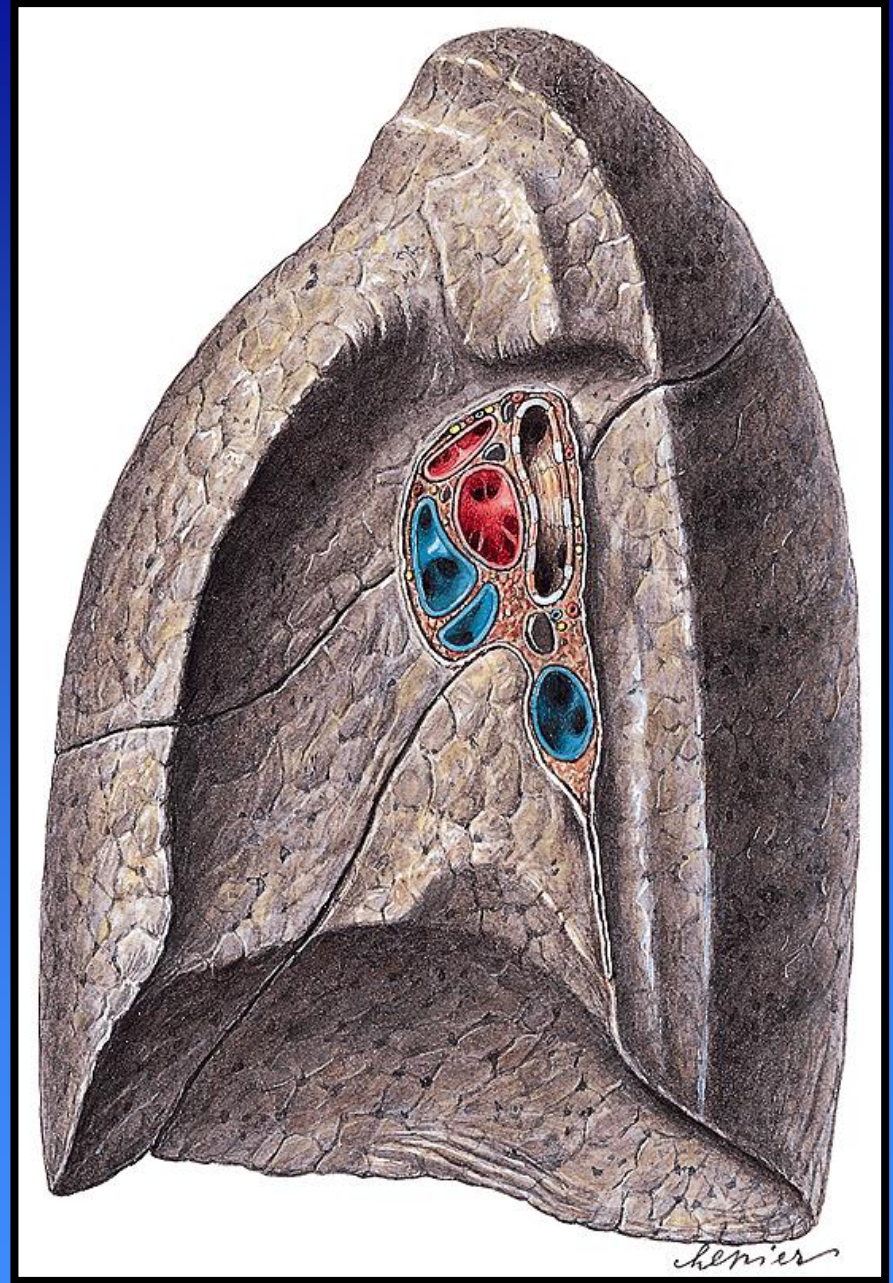


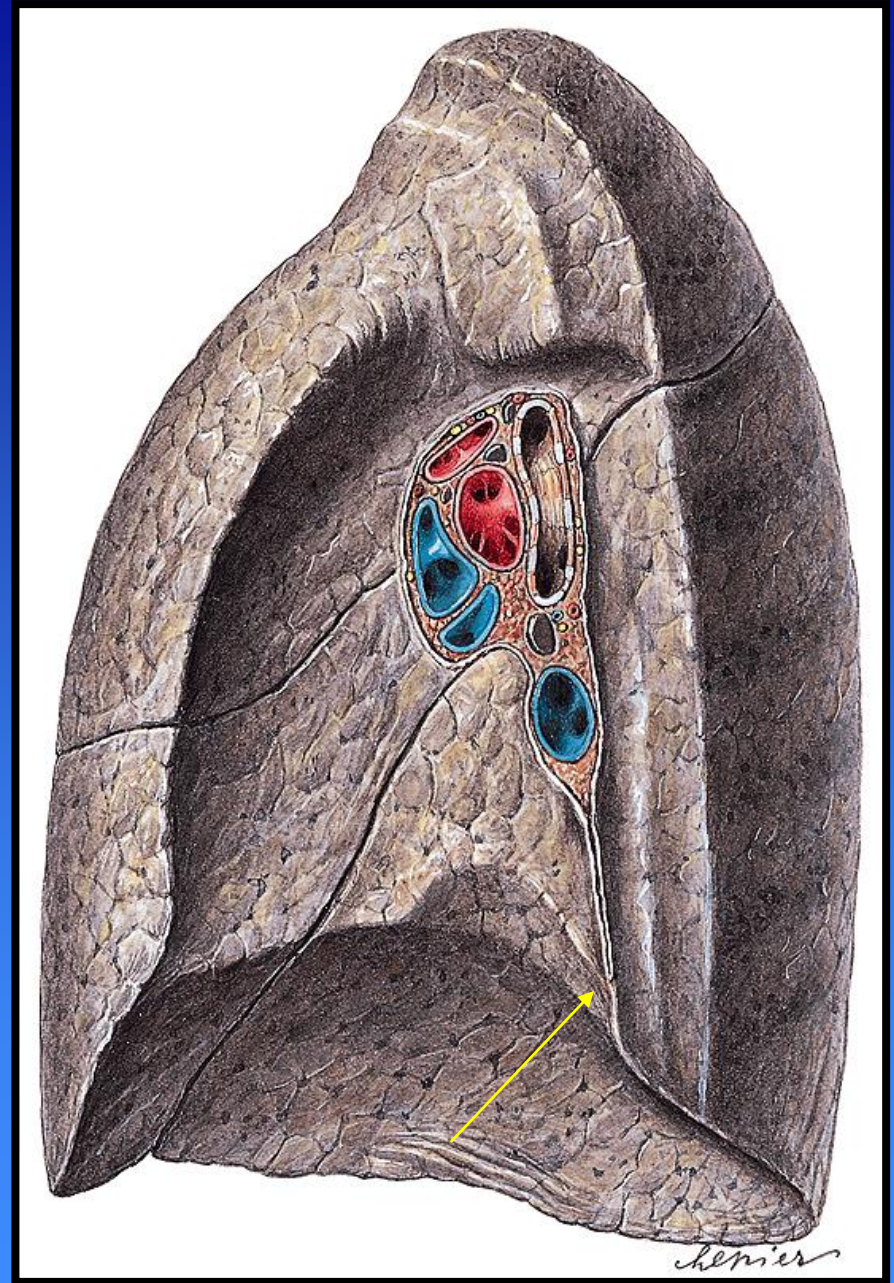
Lobus vena azygos







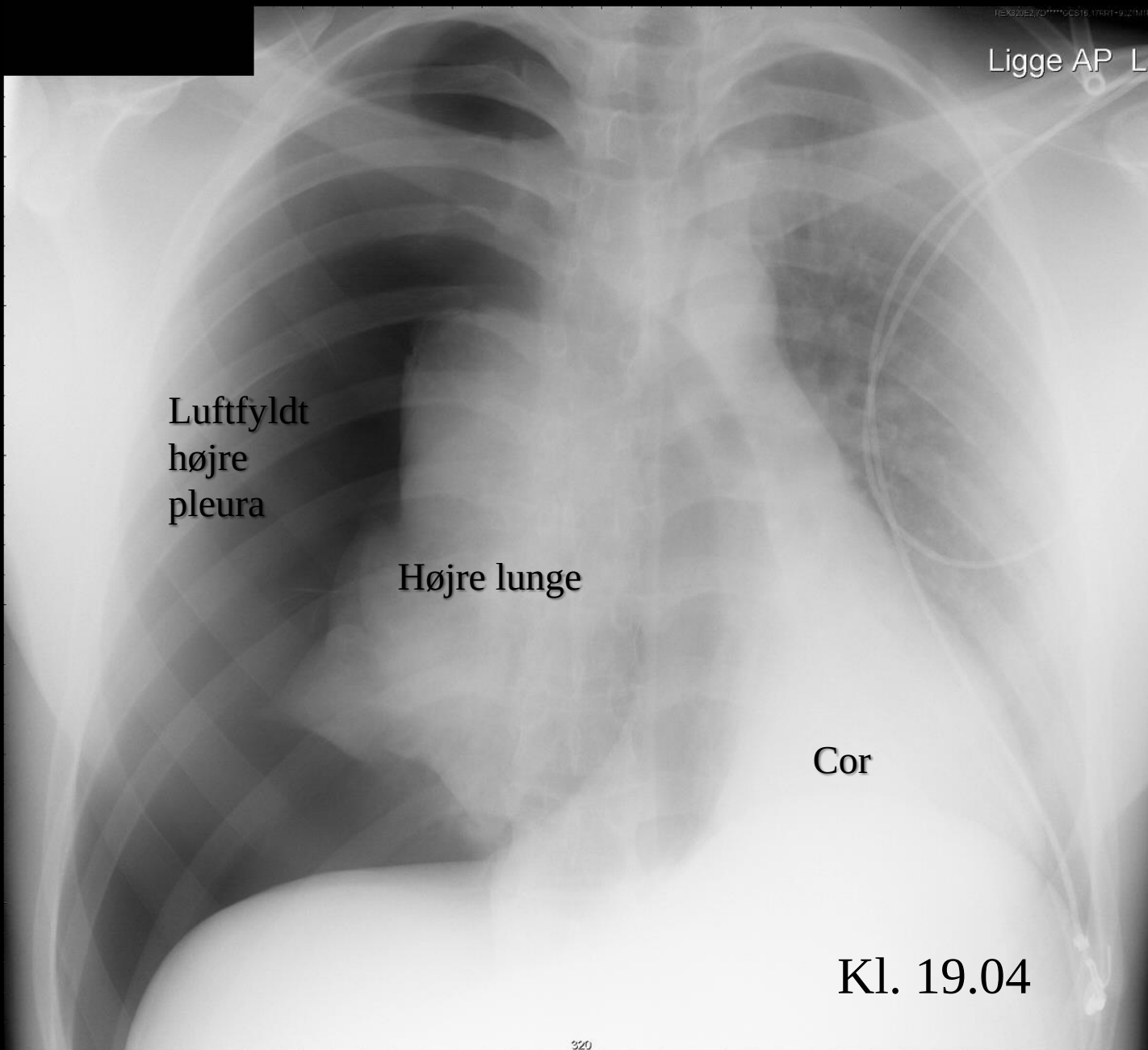




Ligge AP L

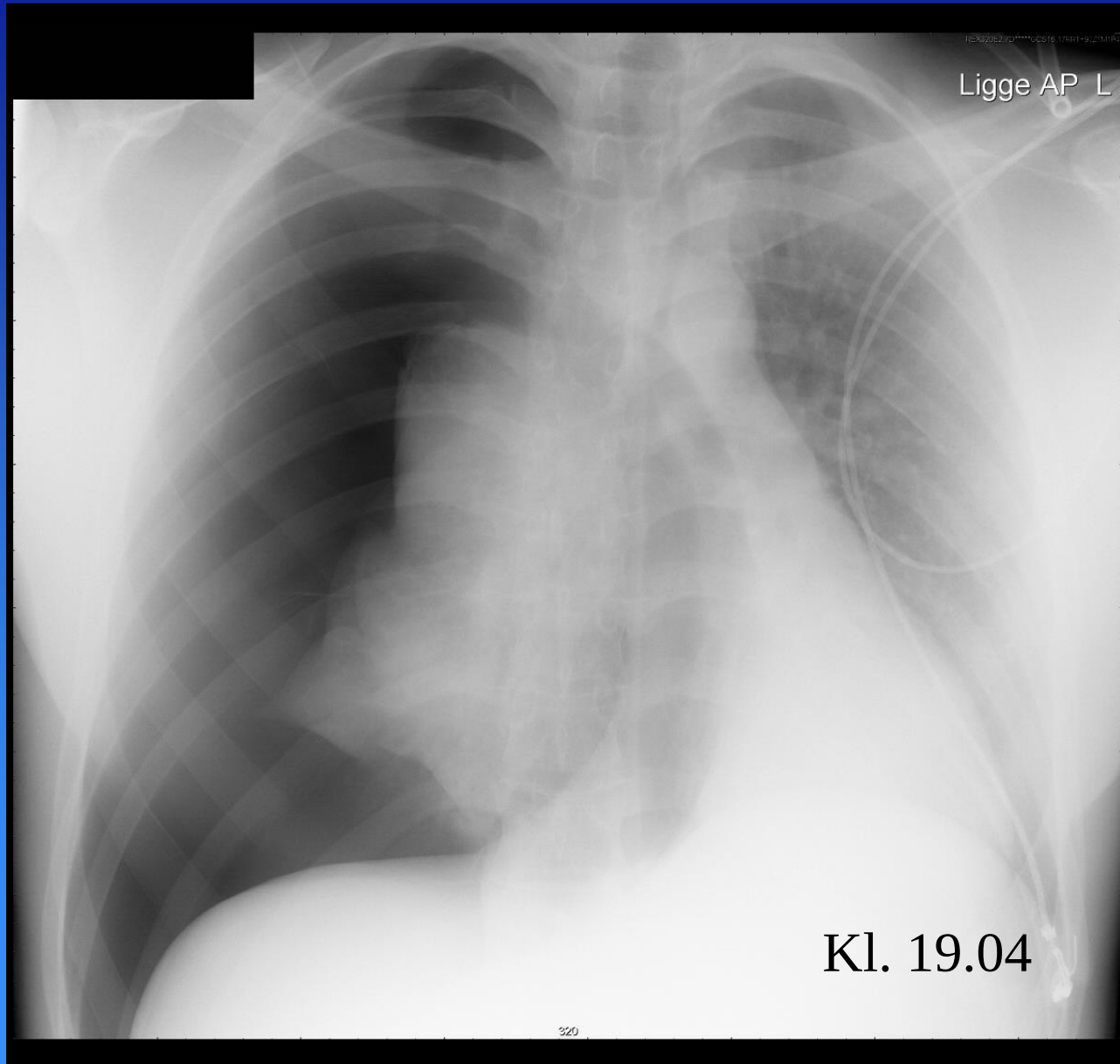
Kl. 19.04

Normal
undersøgelse?
1) Ja
2) Nej

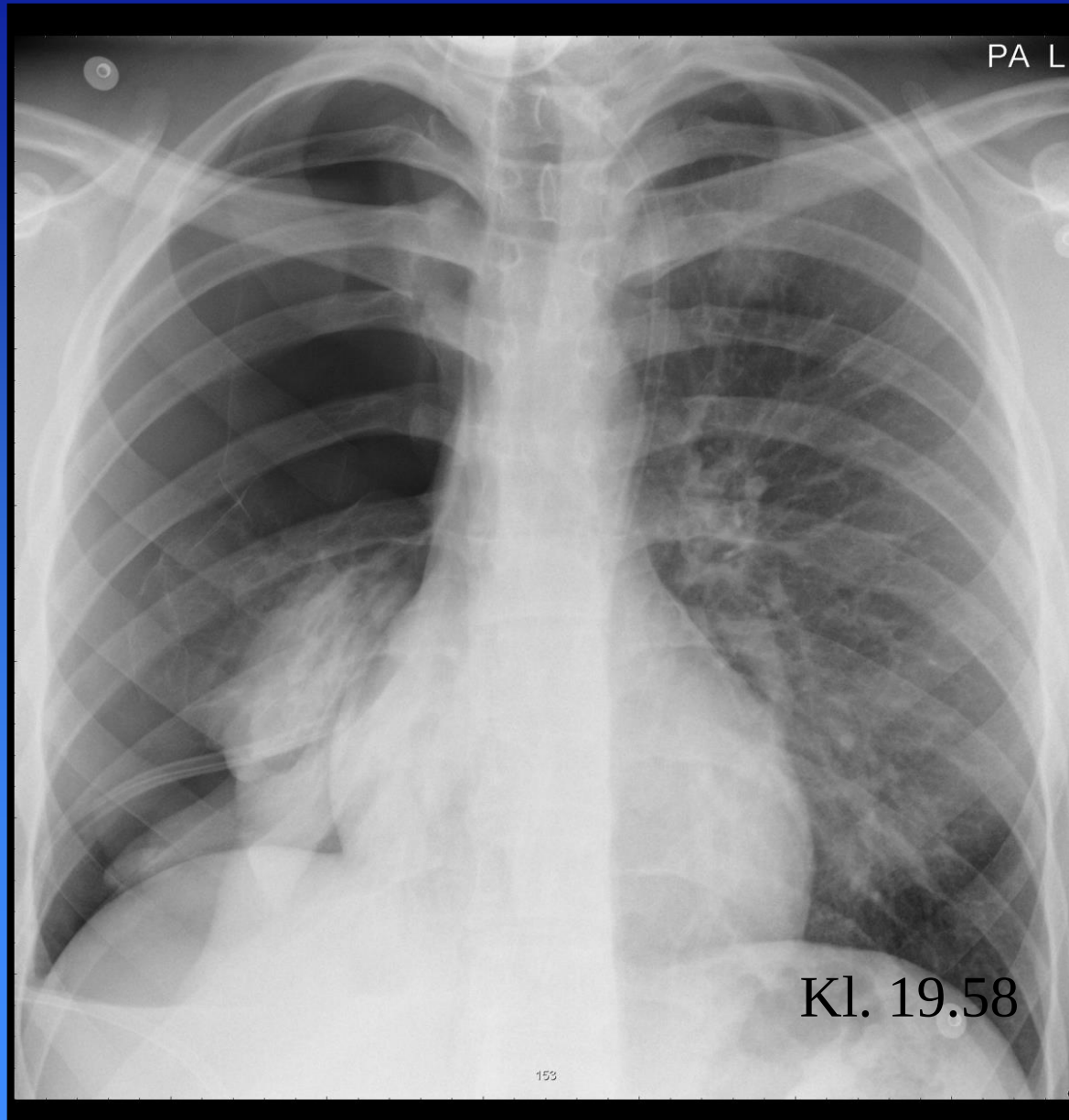


Trykpneumothorax:
Luft under tryk i højre pleura hule, presser den venstre lunge sammen. Den højre lunge er faldet sammen pga. luft i pleura. Hjertet presses mod venstre. Der er tale om en potentielt livstruende tilstand, der kræver hurtig dekompression, med dræn i højre pleurahule.

19-årig mand med trykpneumothorax.



19-årig mand med trykpneumothorax.



19-årig mand med trykpneumothorax.

