

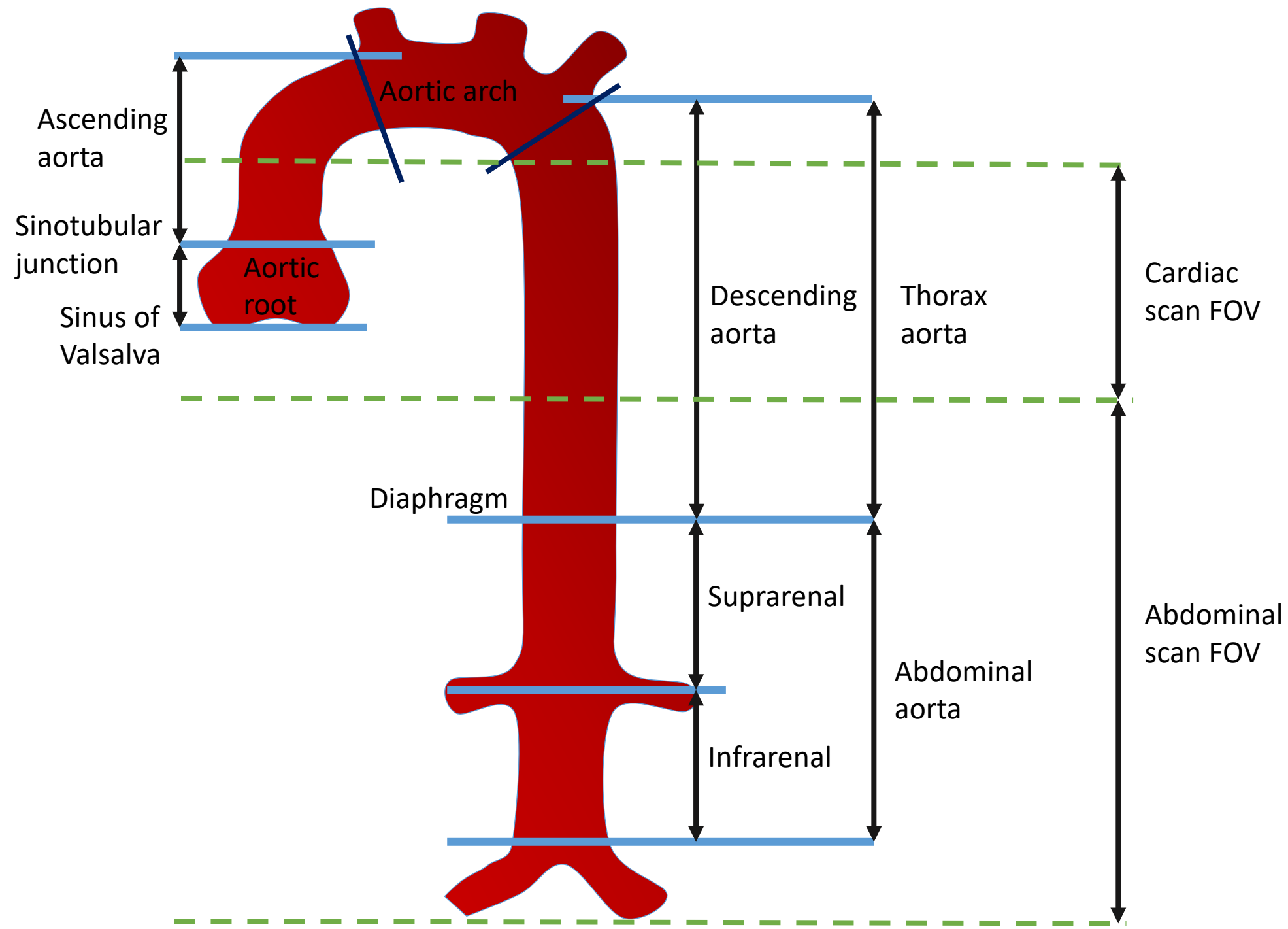
# AortaExplorer field-of-view cases

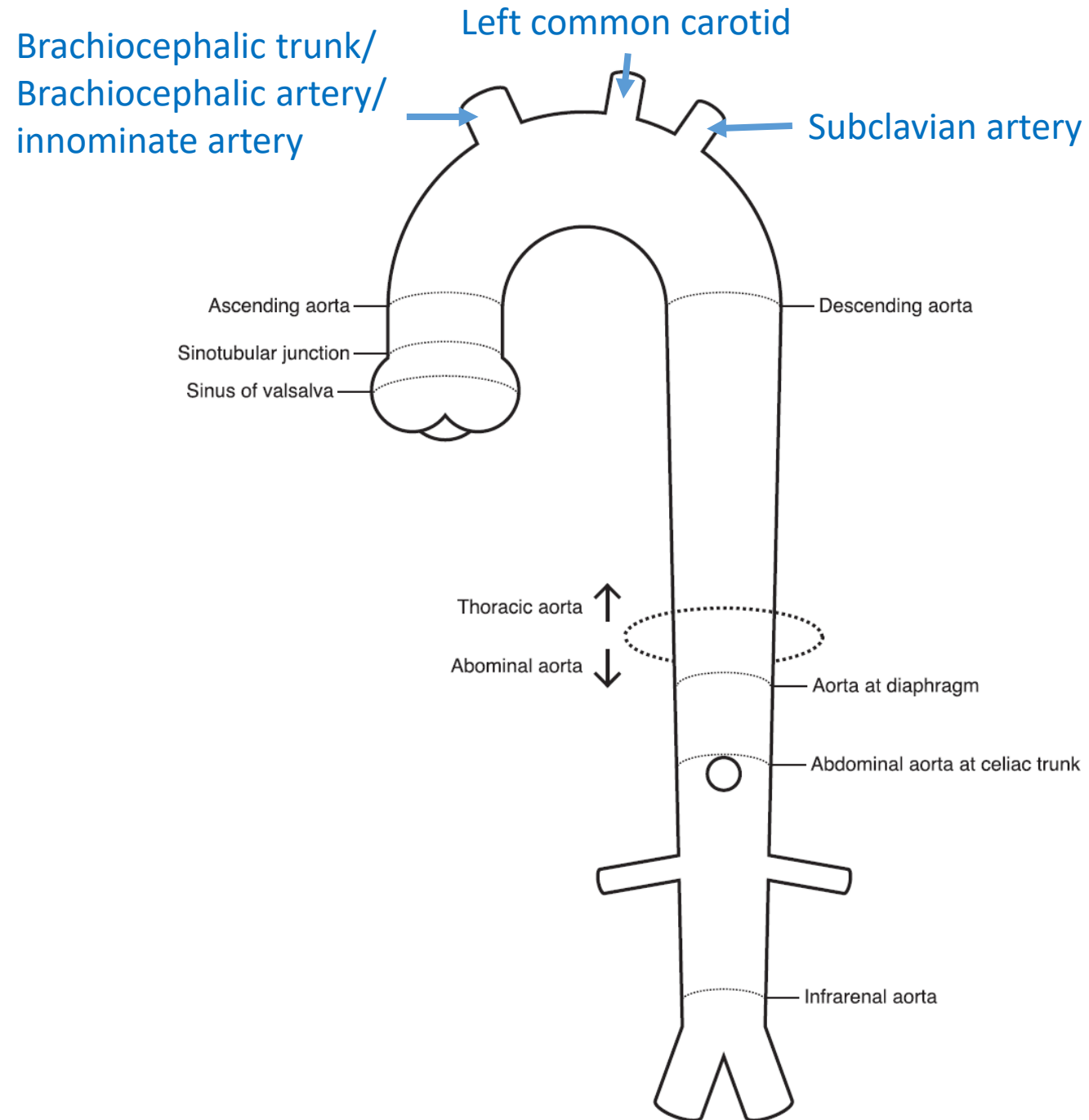
<https://github.com/RasmusRPaulsen/AortaExplorer>

Rasmus R. Paulsen  
Last update: 17/10-2025

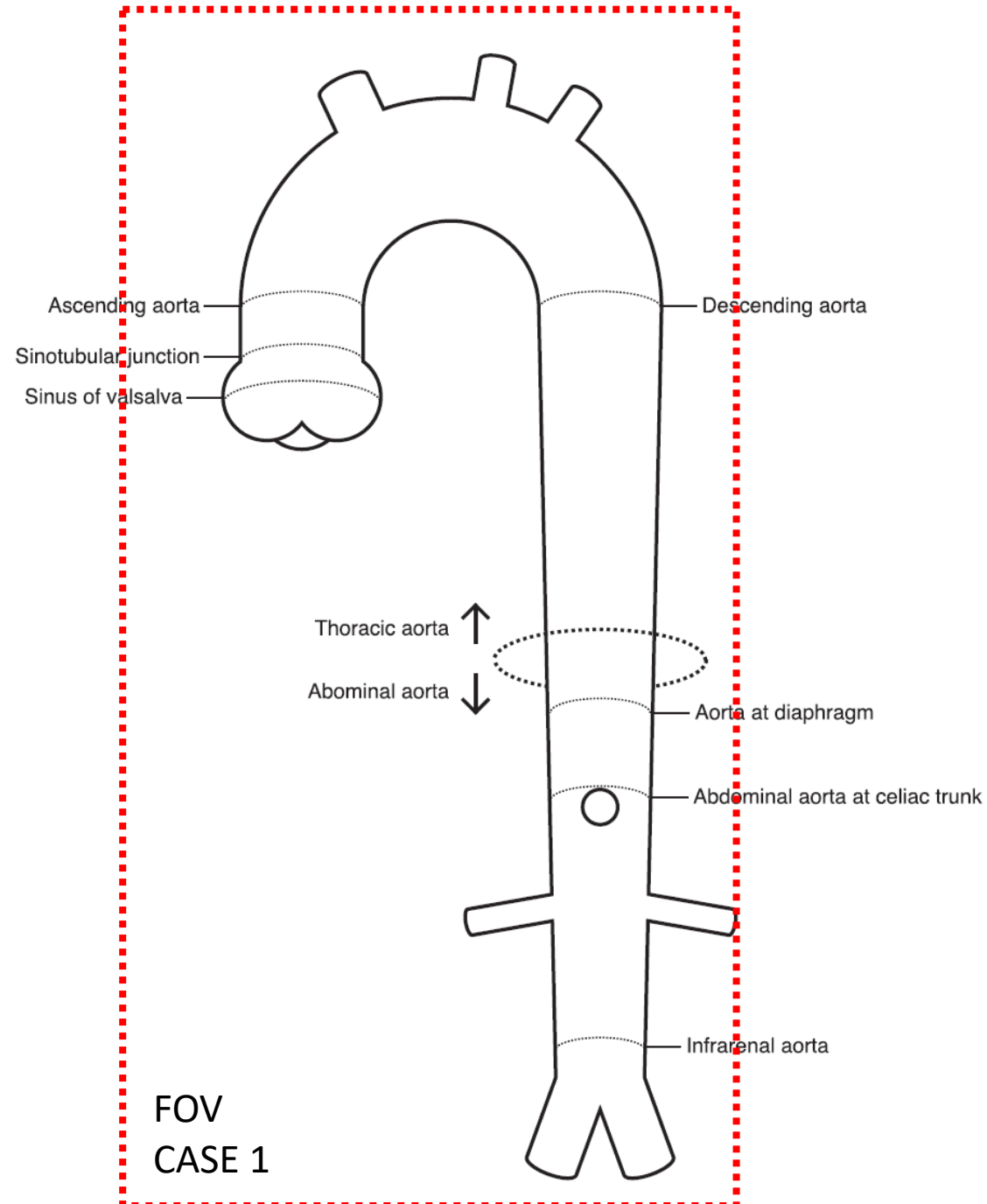
# Description

- This document contains descriptions of different scan field-of-views encountered during development and testing of AortaExplorer
- We aim to be able to automatically determine the scan FOV and decide the appropriate processing steps from this

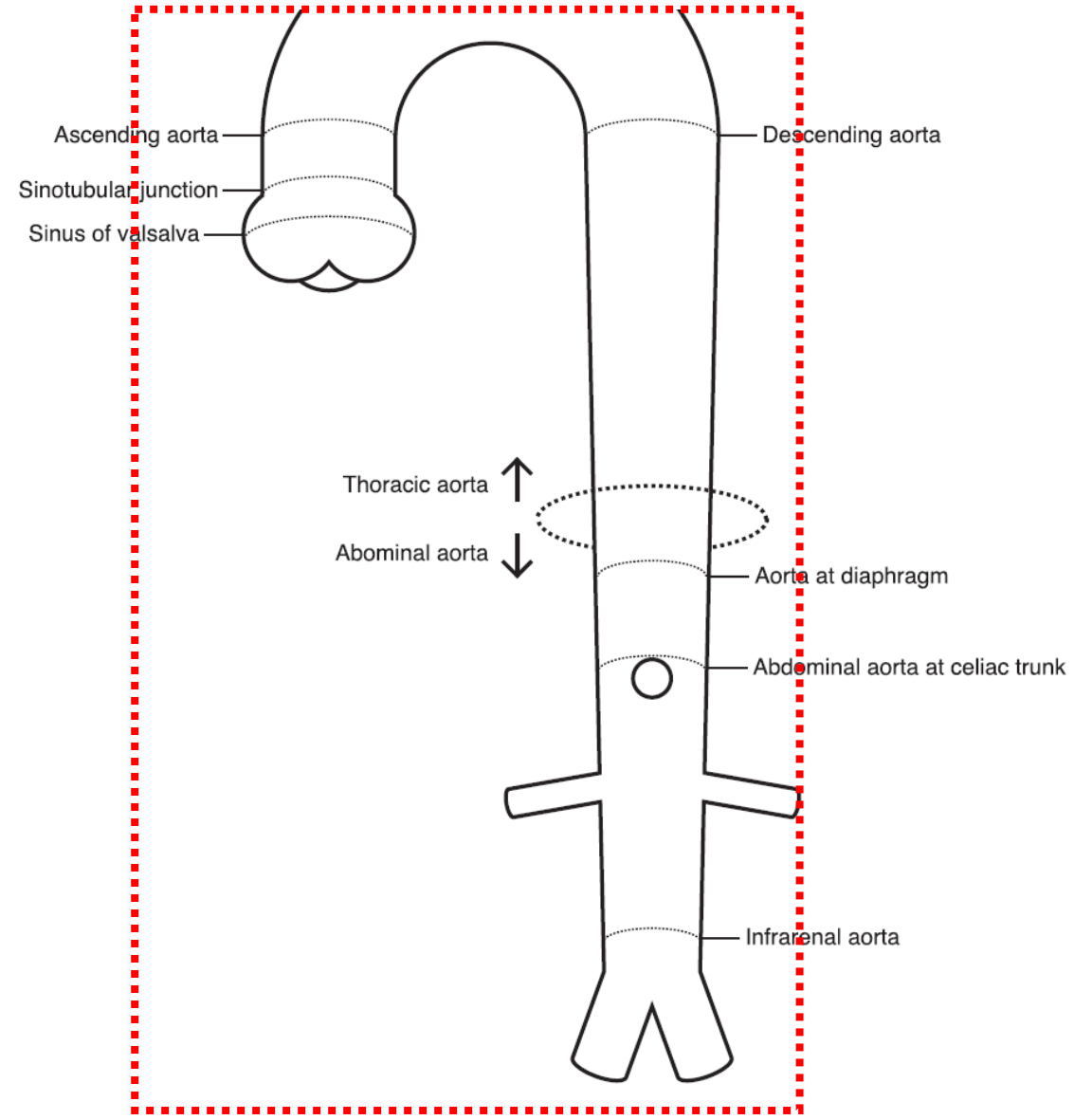




# Case 1



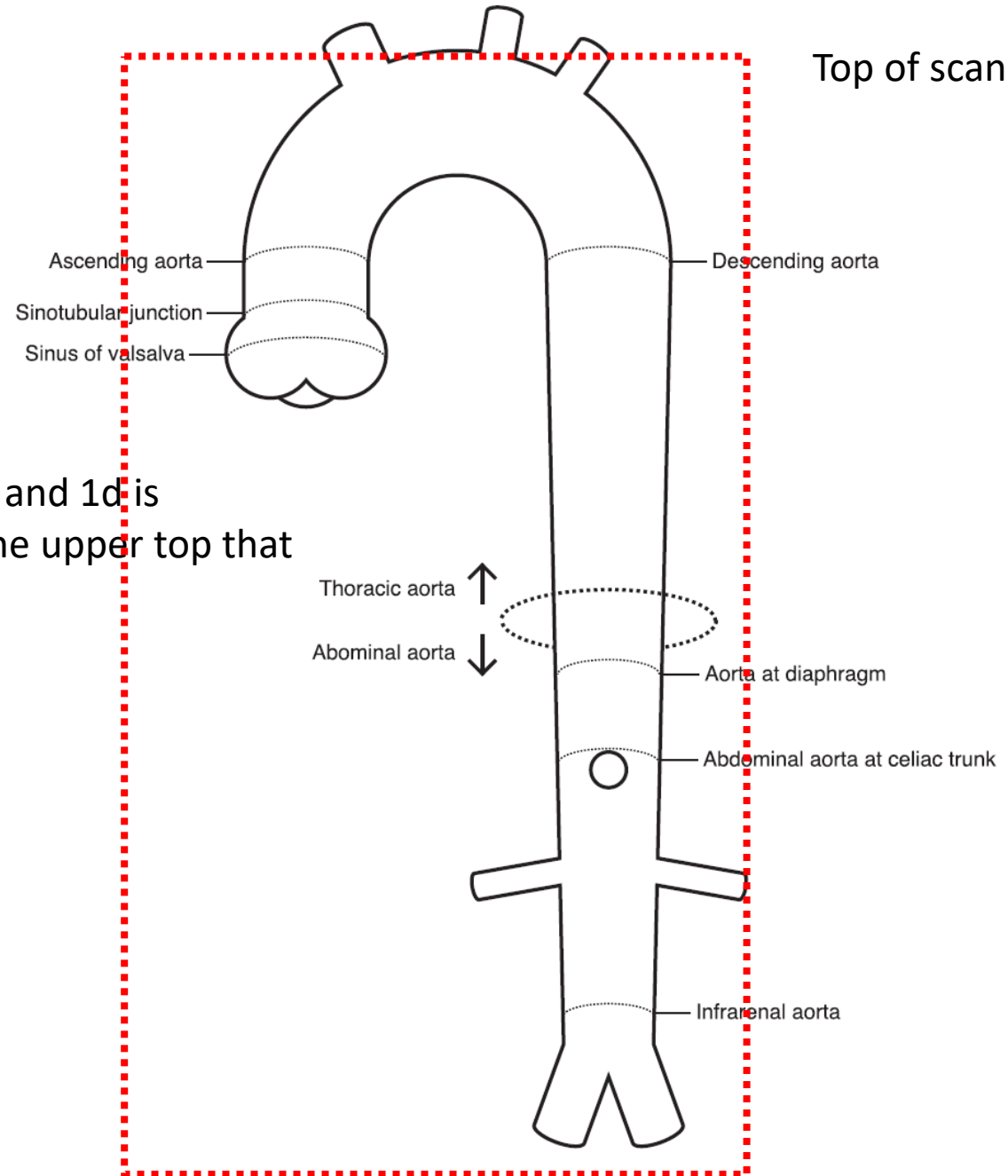
# Case 1b



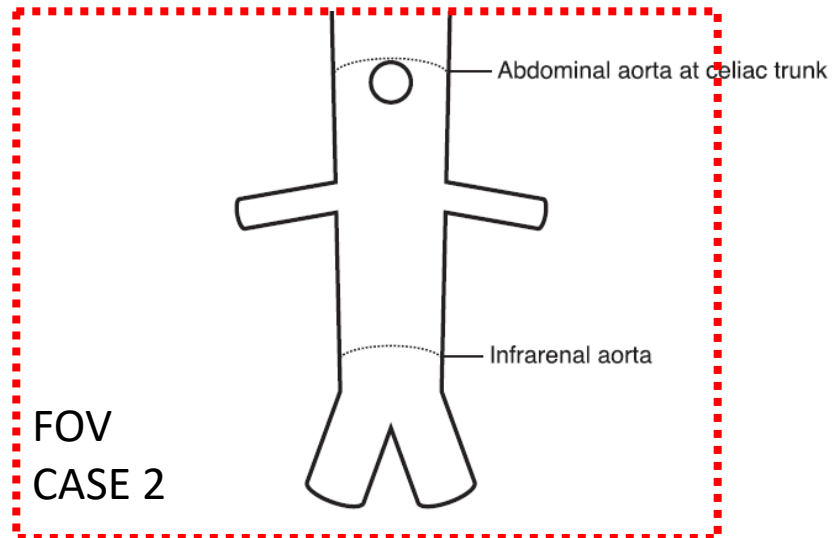
# Case 1c

## Case 1d

The difference between 1c and 1d is a matter of how much of the upper top that is visible.

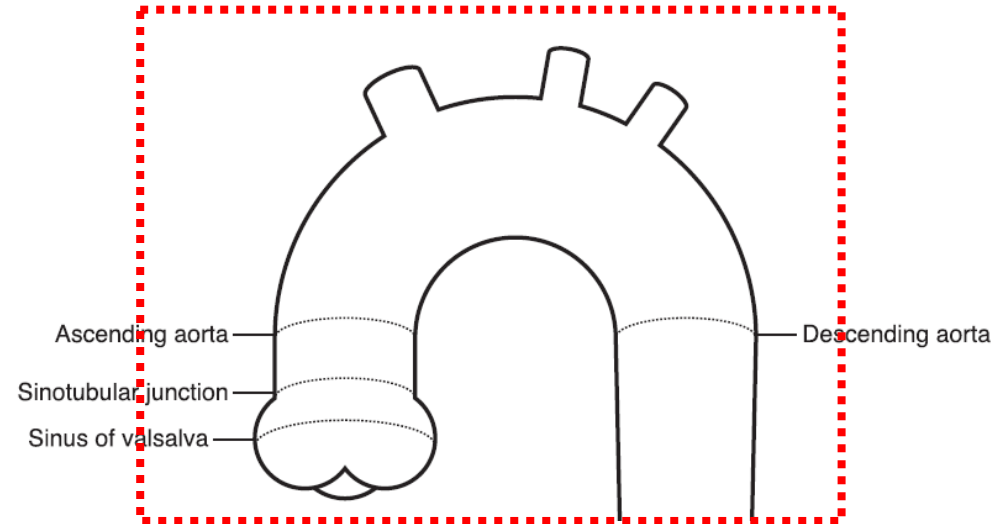


# Case 2

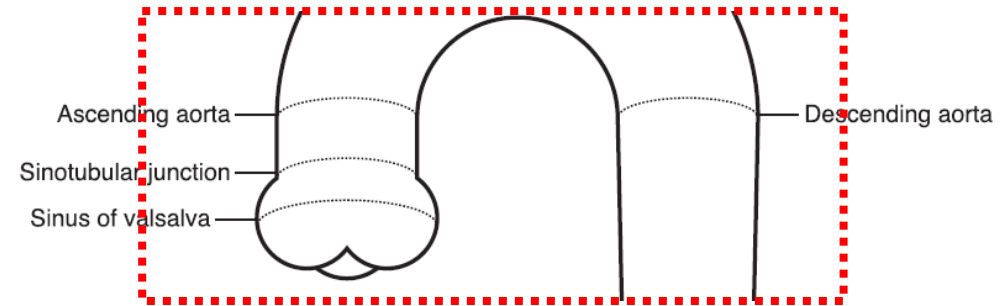




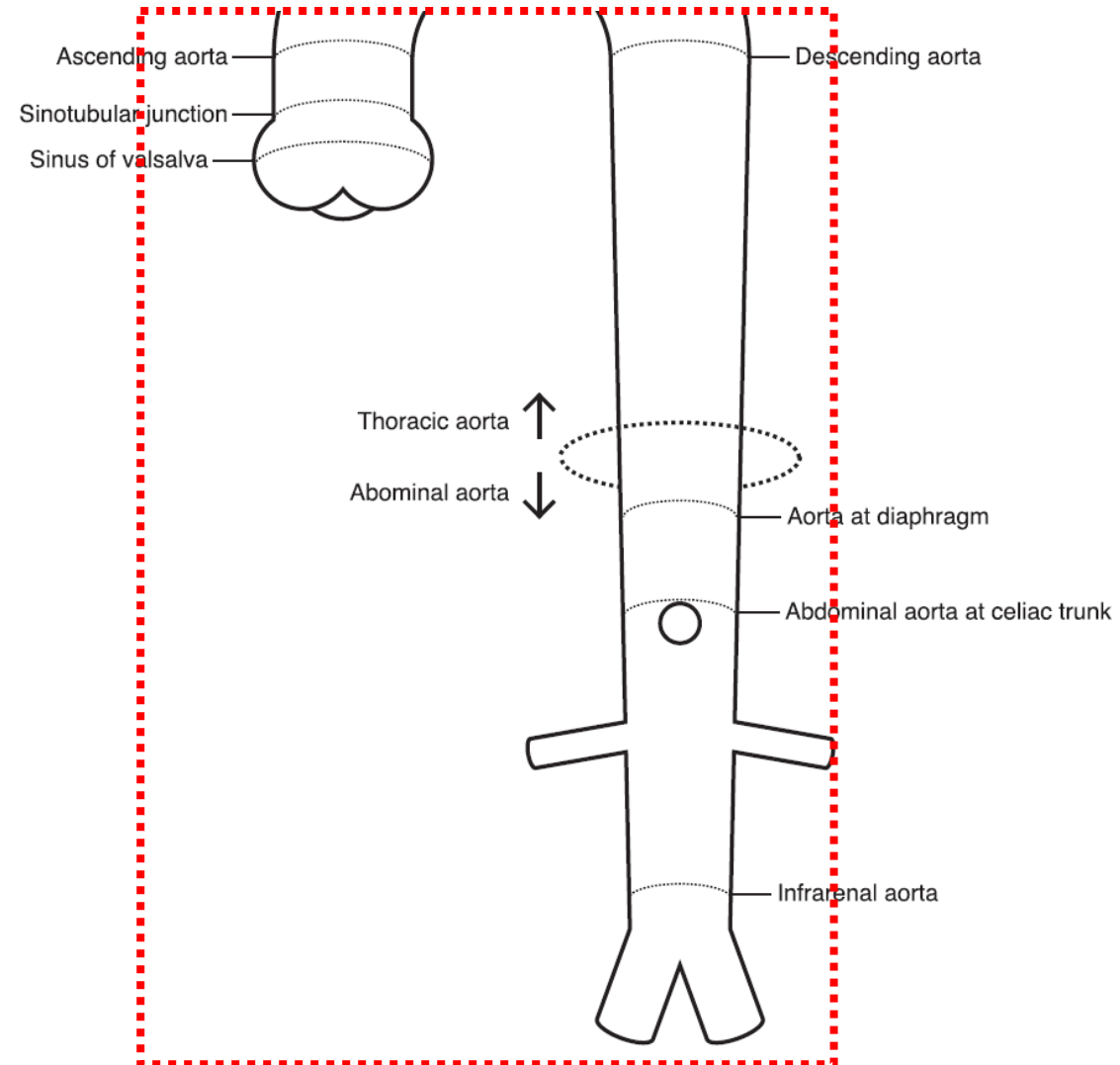
# Case 3



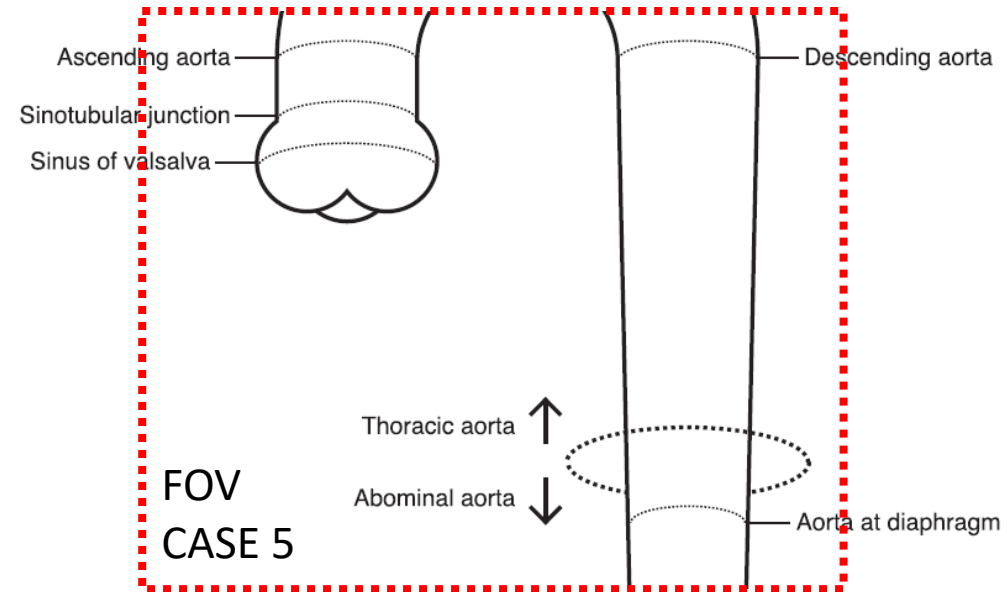
# Case 3b



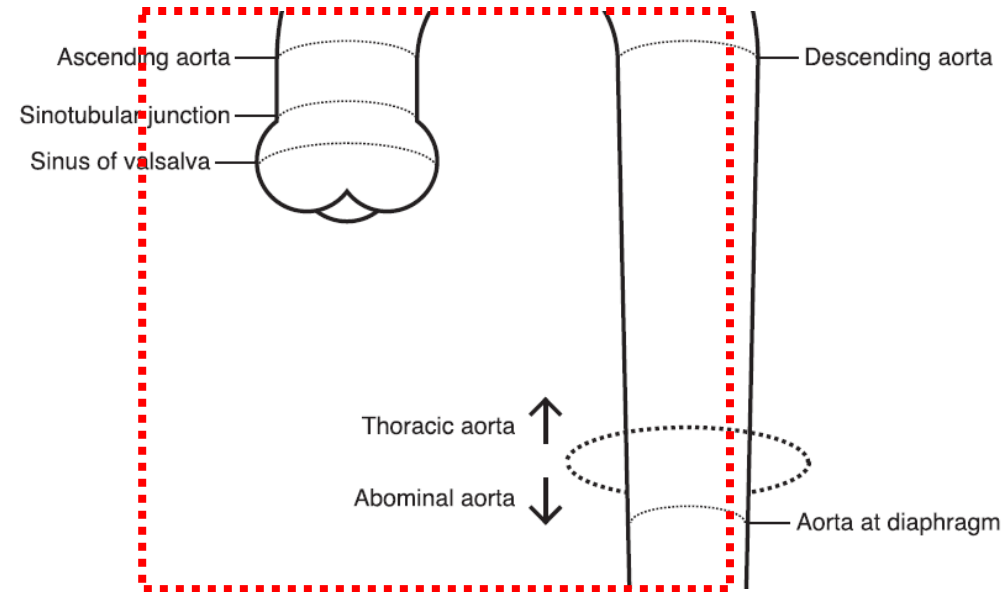
# Case 4



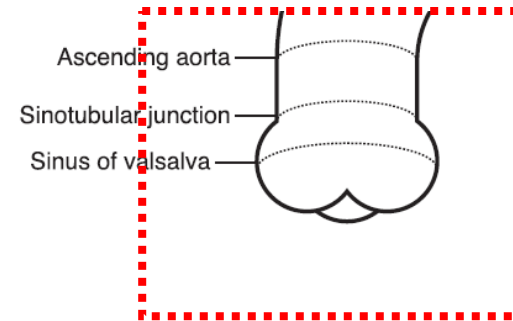
# Case 5



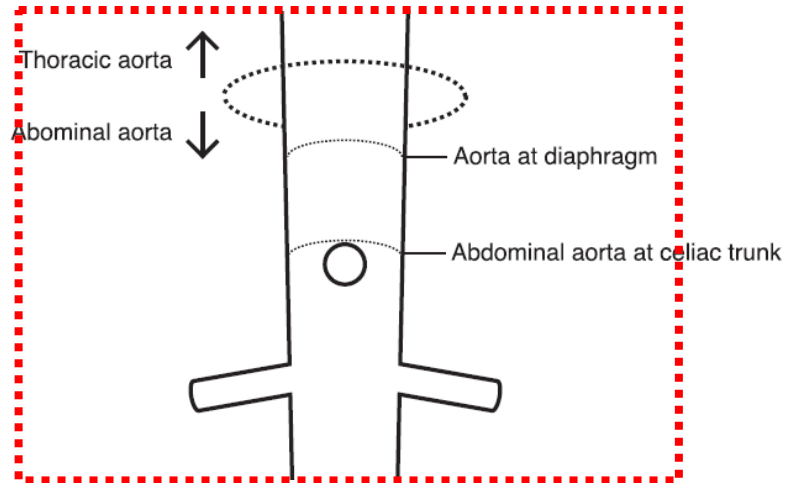
# Case 5b



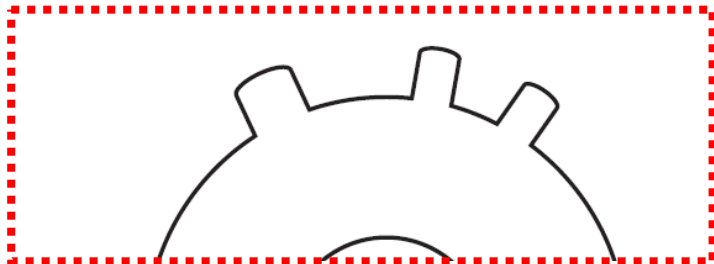
# Case 6



# Case 7



# Case 8





Case 8b



# Checklist

- Aorta parts: 1 or 2
- Aorta/iliac point (bifurcation point)
- Aortic arch points (brachiocephalic, left common carotid, subclavian artery)
- LVOT point (Ventriculaortic point)
- Which sides of the scan are touched (Top/Bottom/other sides)

	Aorta parts	Iliac point	Arch points	LVOT point	Touches borders of scan	Useful
Case 1	1	x	x	X		Yes
Case 1b	1	x		X	Top	Yes
Case 1c+1d	1	x	x	X	Top	Yes
Case 2	1	x			top	Yes
Case 3	1		x	X	Bottom	Yes
Case 3b	1			X	Top+Bottom	Yes
Case 4	2	x		x	Top	Yes
Case 5	2			X	Top+Bottom	Yes
Case 5b	2			X	Top+Bottom+Side	Maybe
Case 6	1			X	Top	Yes
Case 7	1				Top+Bottom	Maybe
Case 8	1		x		Bottom	no
Case 8b	1				Top+Bottom	no