

Anatomie radiologique

WMDS1311

Etienne Danse 2020

Déroulement du cours

- Explication des techniques
- Parcours de l'aspect radiologique des différentes structures anatomiques
 - Neuroradiologie (cerveau et moëlle épinière)
 - Thorax et coeur
 - Muscles, tendons, os
 - Vaisseaux
 - Viscères
- Vision d'ensemble
- Quelle modalité pour quel organe

Répartition des sujets

	techniques	systemes
Prof Em Coche	RX-CT	Thorax-Coeur
Prof E Danse	US-IRM	Os, VX, Abdomen
Prof Th Duprez		Neuro et rachis



Imagerie

- irradiante : RX, CT, scintigraphie, Pet CT
- non irradiante : US et IRM
- imagerie de transmission : RX
- imagerie d'émission : Scintigraphie, Pet CT, IRM
- imagerie de réflexion: US

Rayonnement X

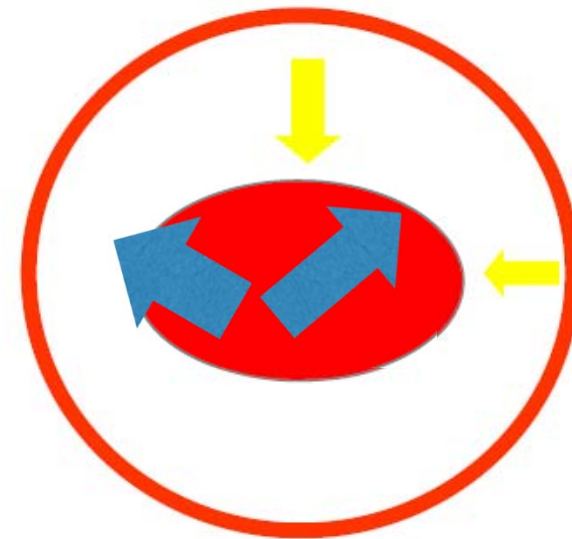
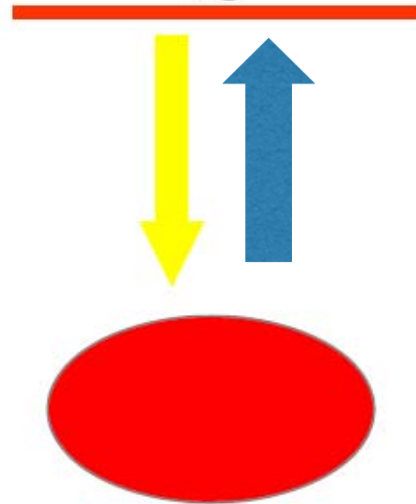
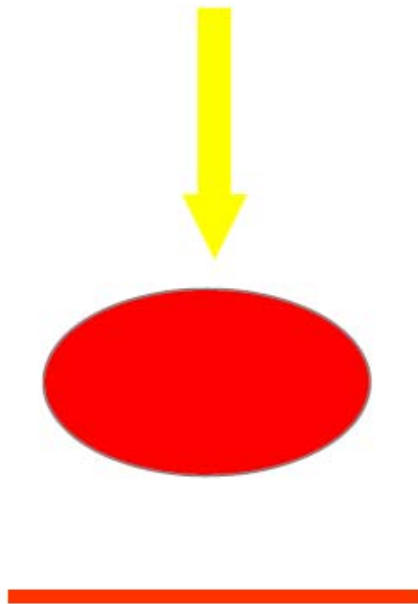
Faisceau ultrasonore

Champs magnétiques

RX/CT

US

IRM



1895/1972

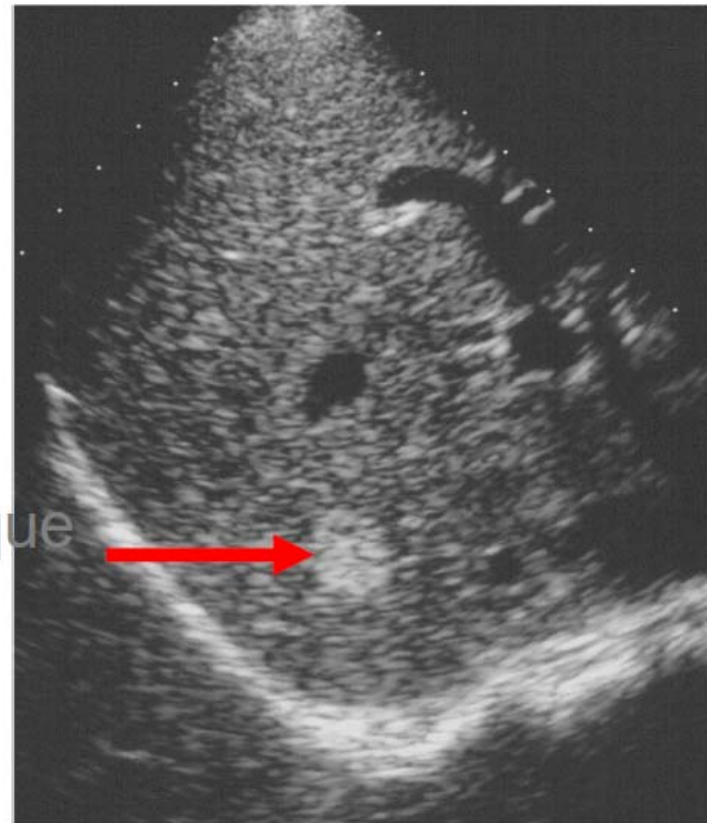
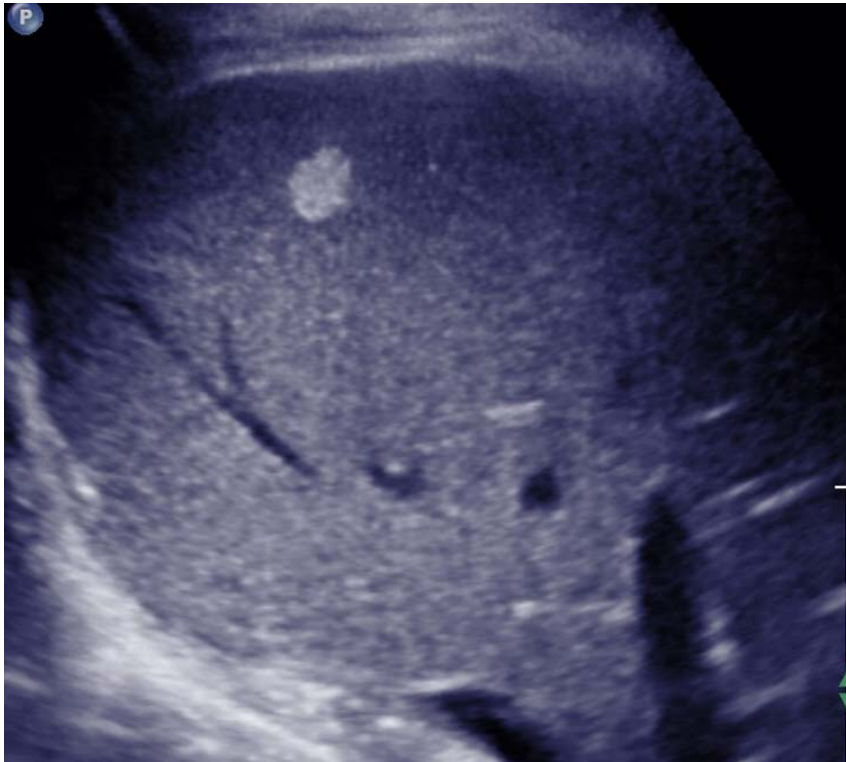
1951

1979

Imagerie anatomique

Terminologie

	<u>Blanc</u>	<u>Noir</u>
Rx	Opacité	Clarté
CT	Hyperdense	Hypodense
US	Hyperéchogène	Hypoéchogène
IRM	Hyperintense	Hypointense



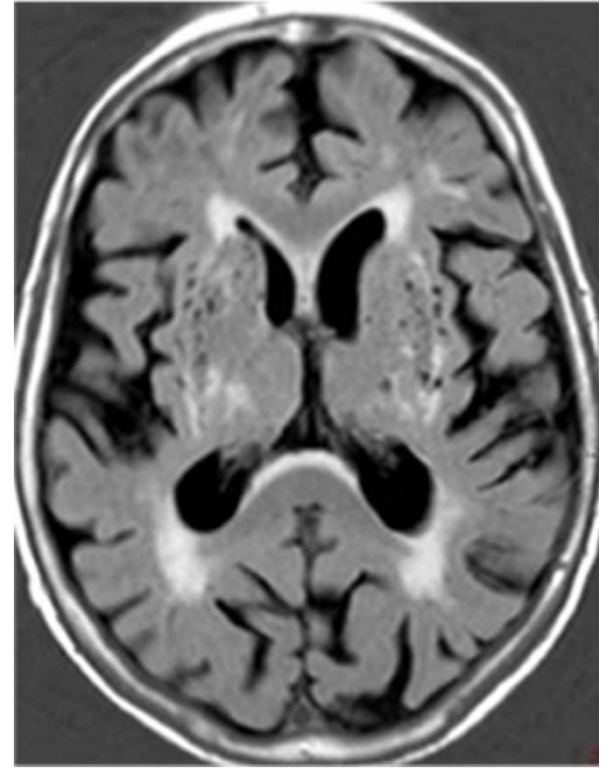
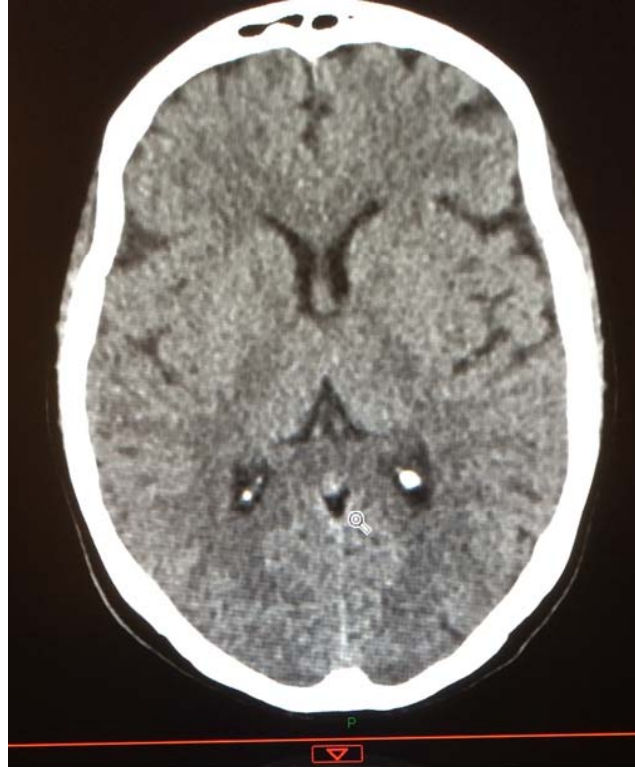
Coupe axiale échographique
du foie.

Hypoéchogène ?

Hyperéchogène ?

Hypointense ?

Transparent ?



Terminologie (1)

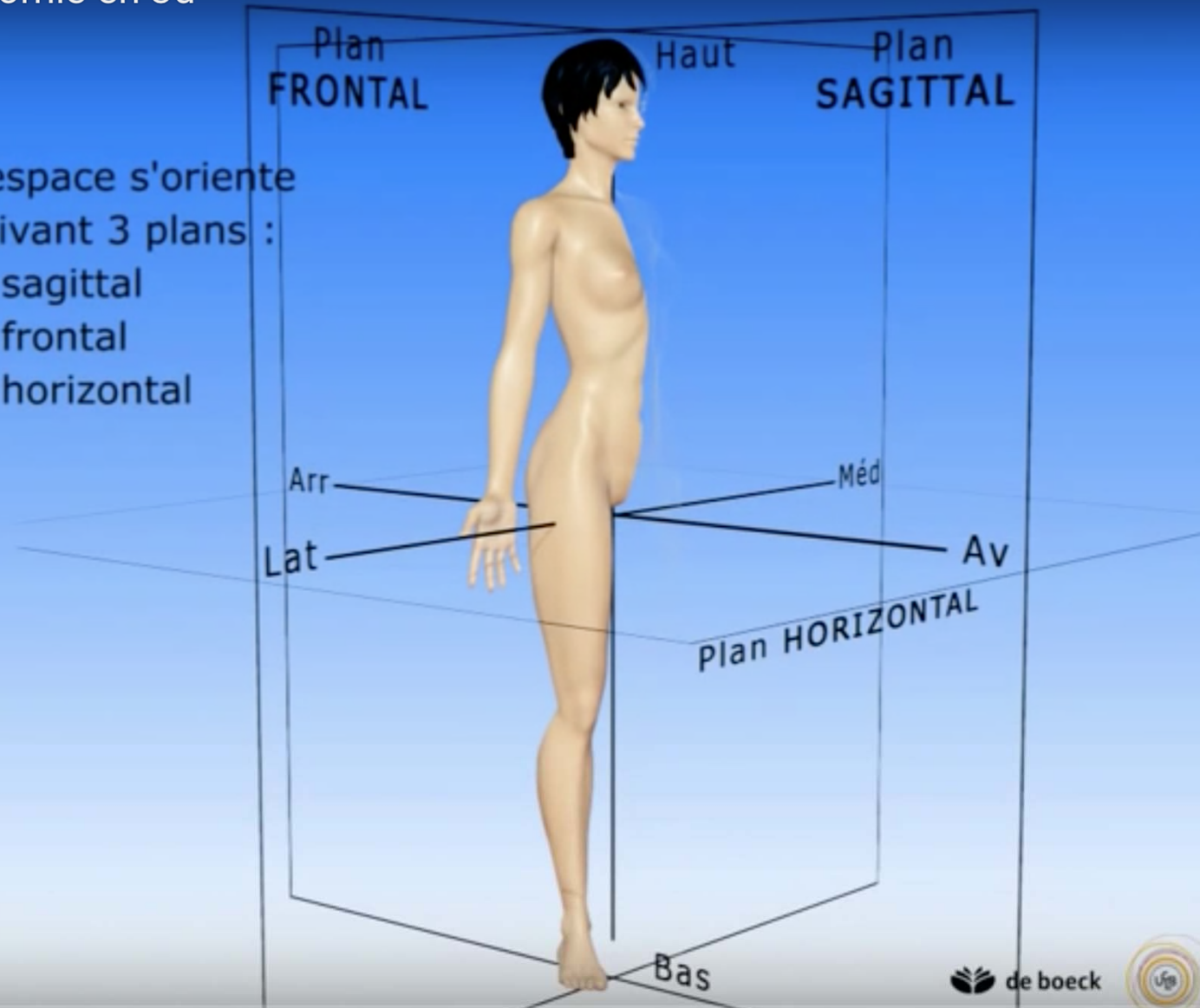
- disposition du corps du patient: selon les anatomistes
- droite-gauche
- proximal, distal
- cranial-caudal
- antérieur-postérieur
- médian-latéral
- coupes transversales, coronales, sagittales
- 3 D volumique
- navigation virtuelle

Disposition du corps du patient: selon les anatomistes

Terminologie (1)

L'espace s'oriente
suivant 3 plans :

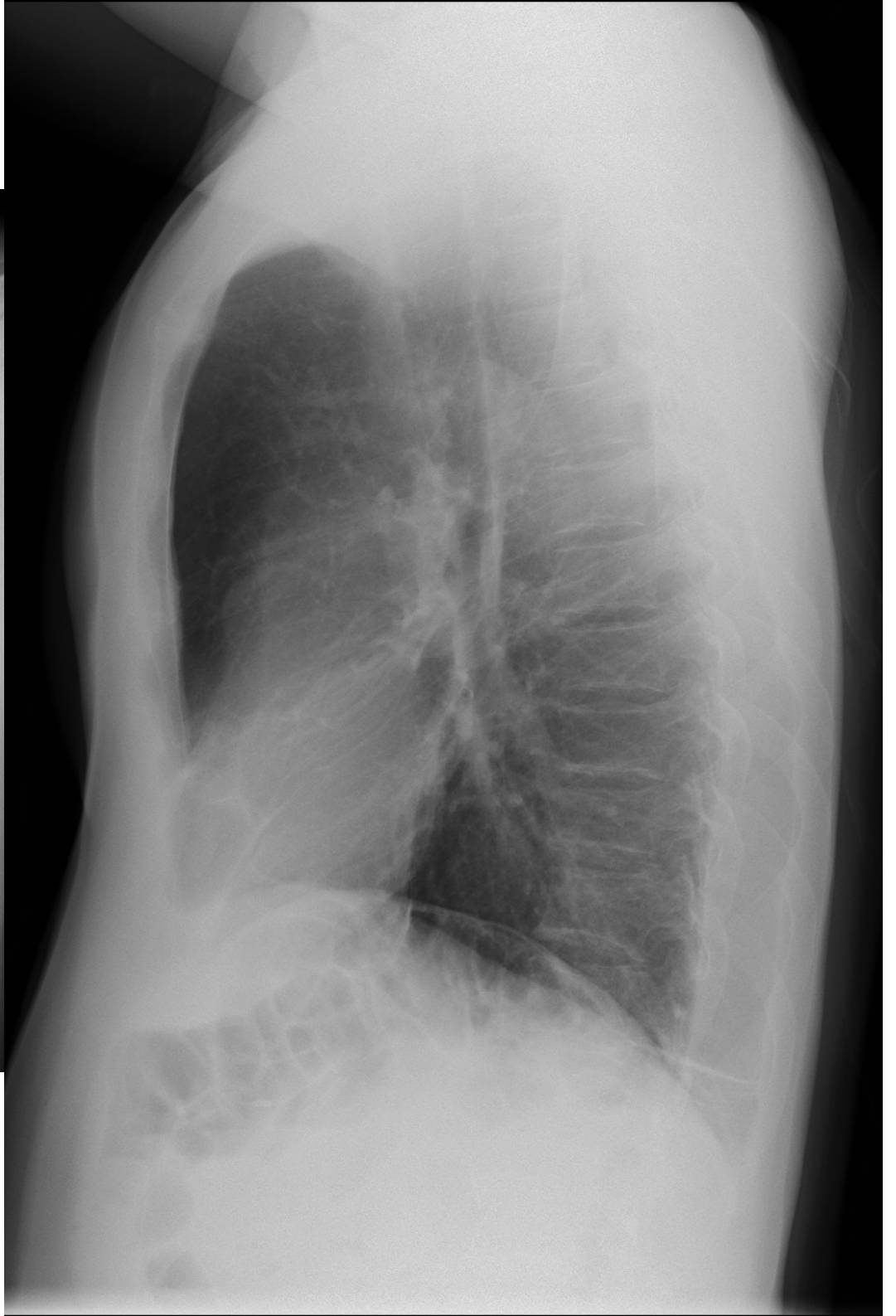
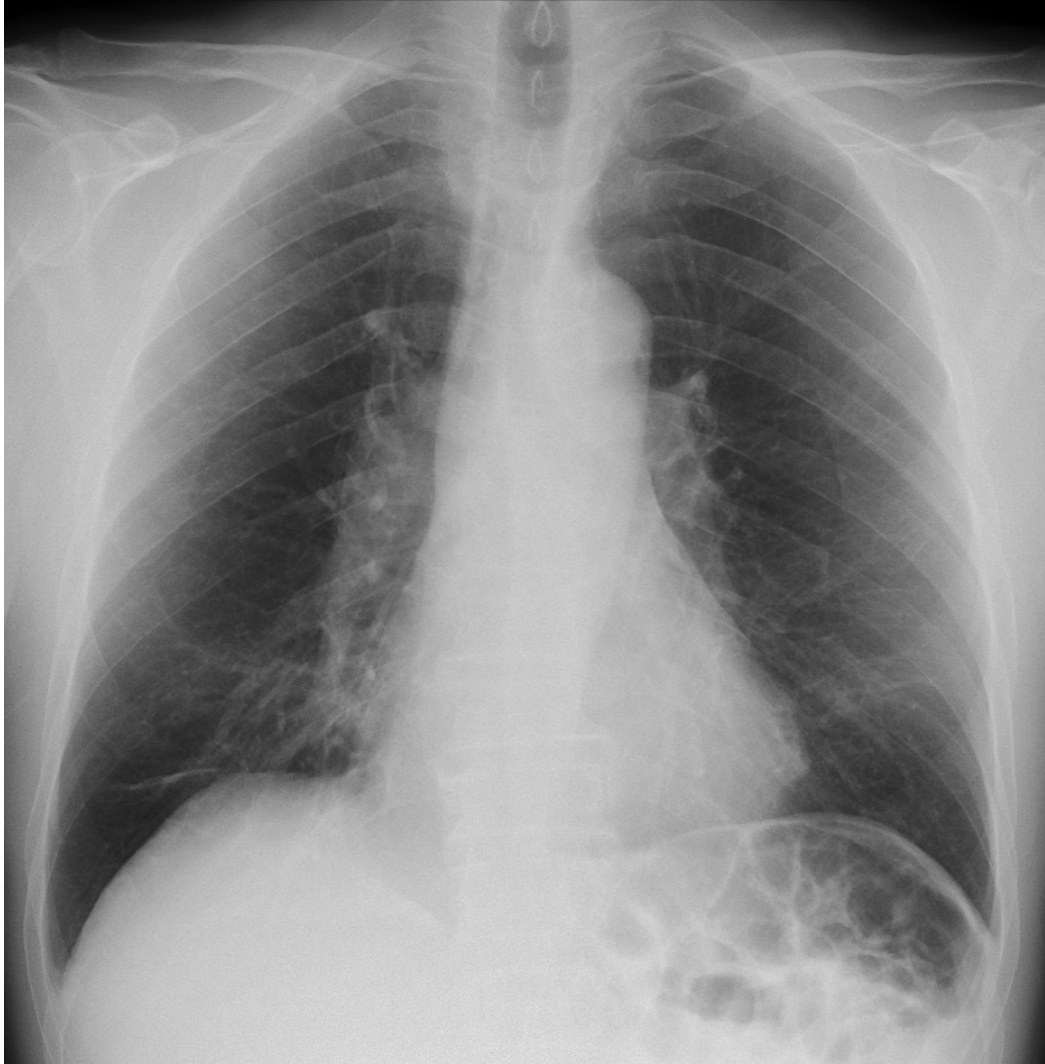
- sagittal
- frontal
- horizontal

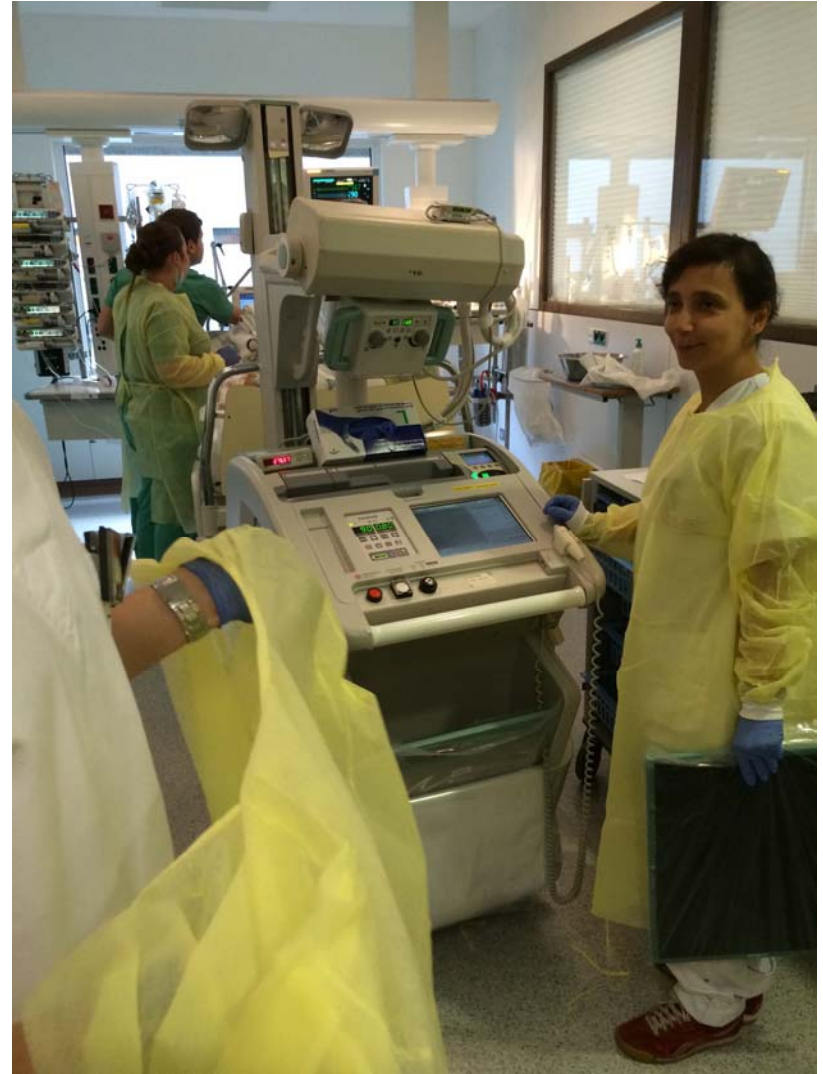
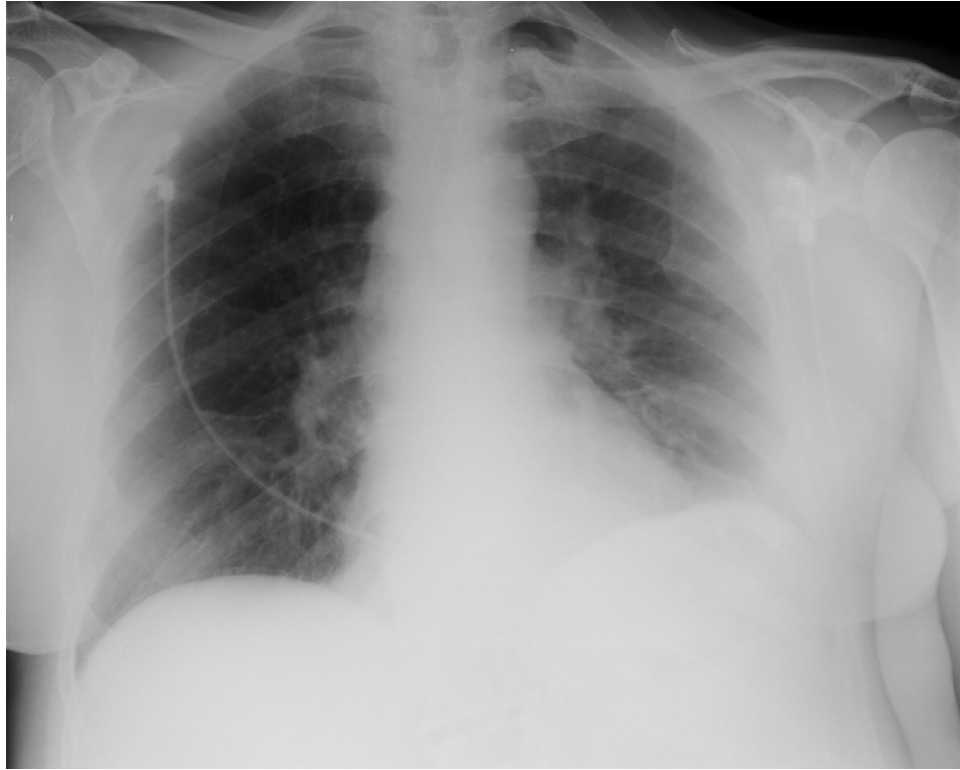


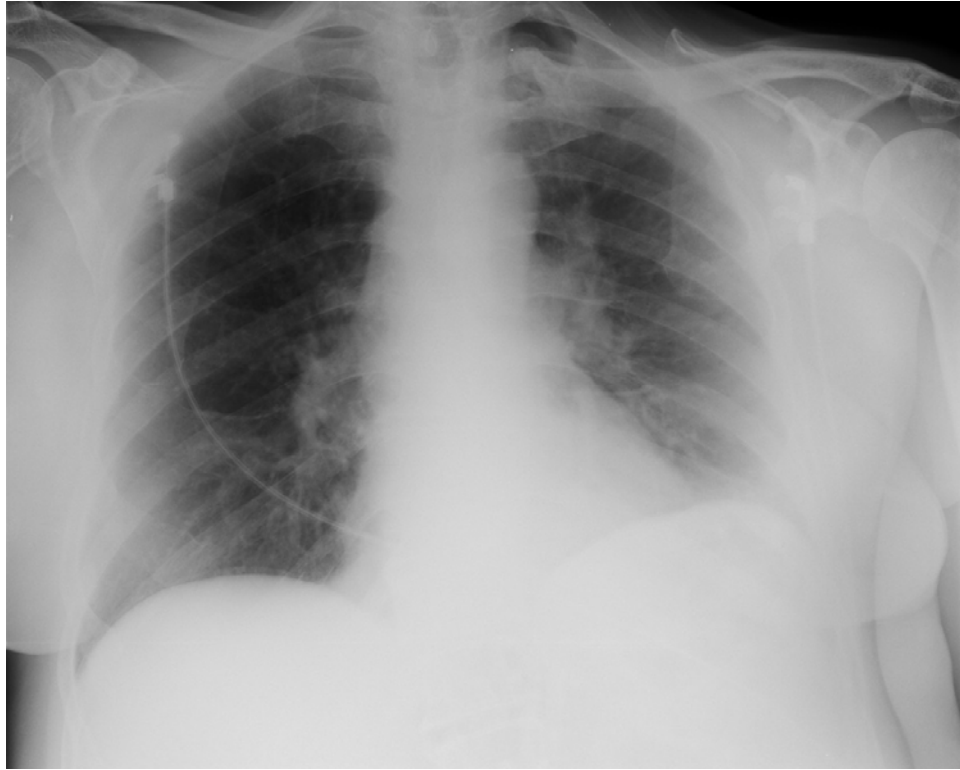


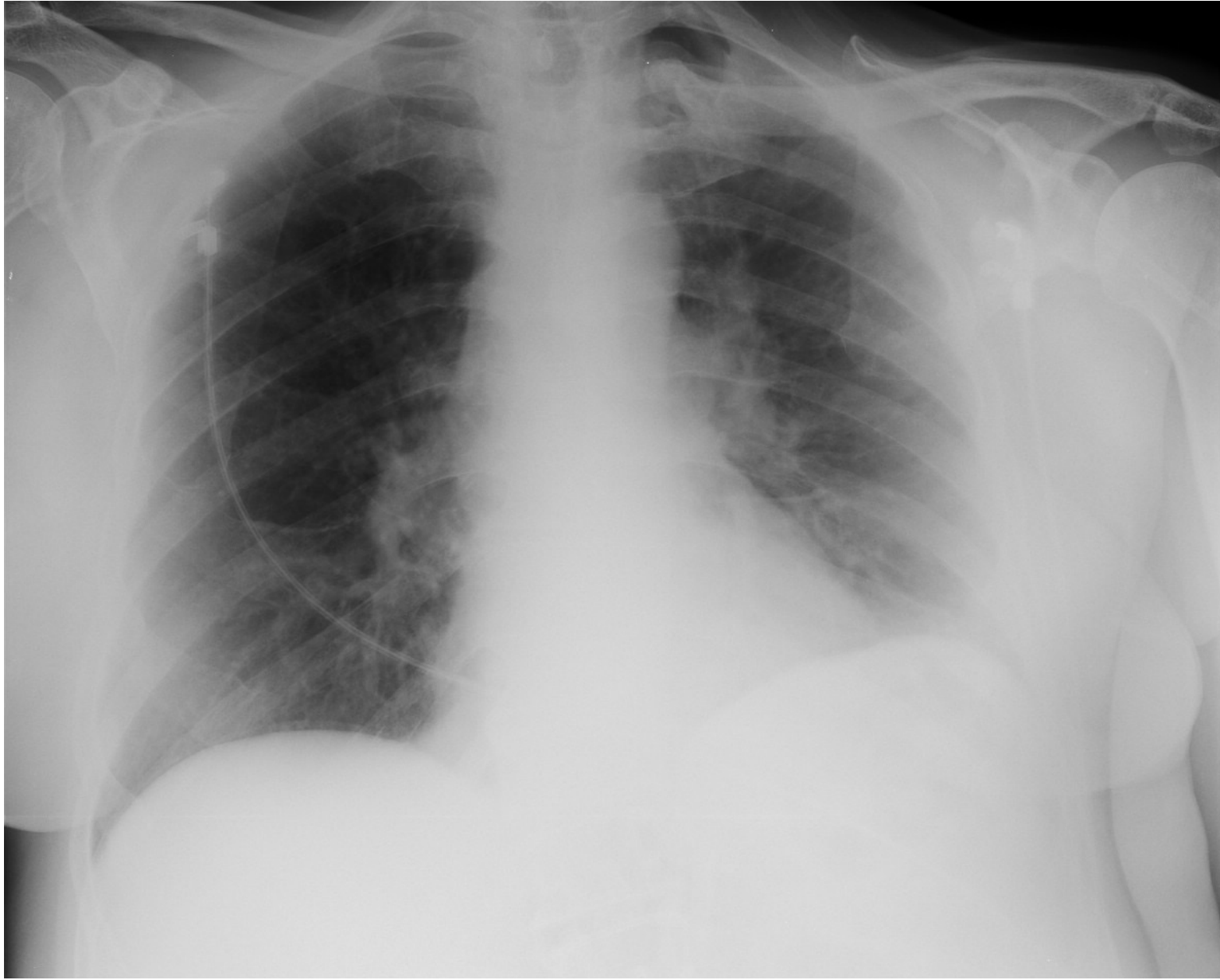
















B



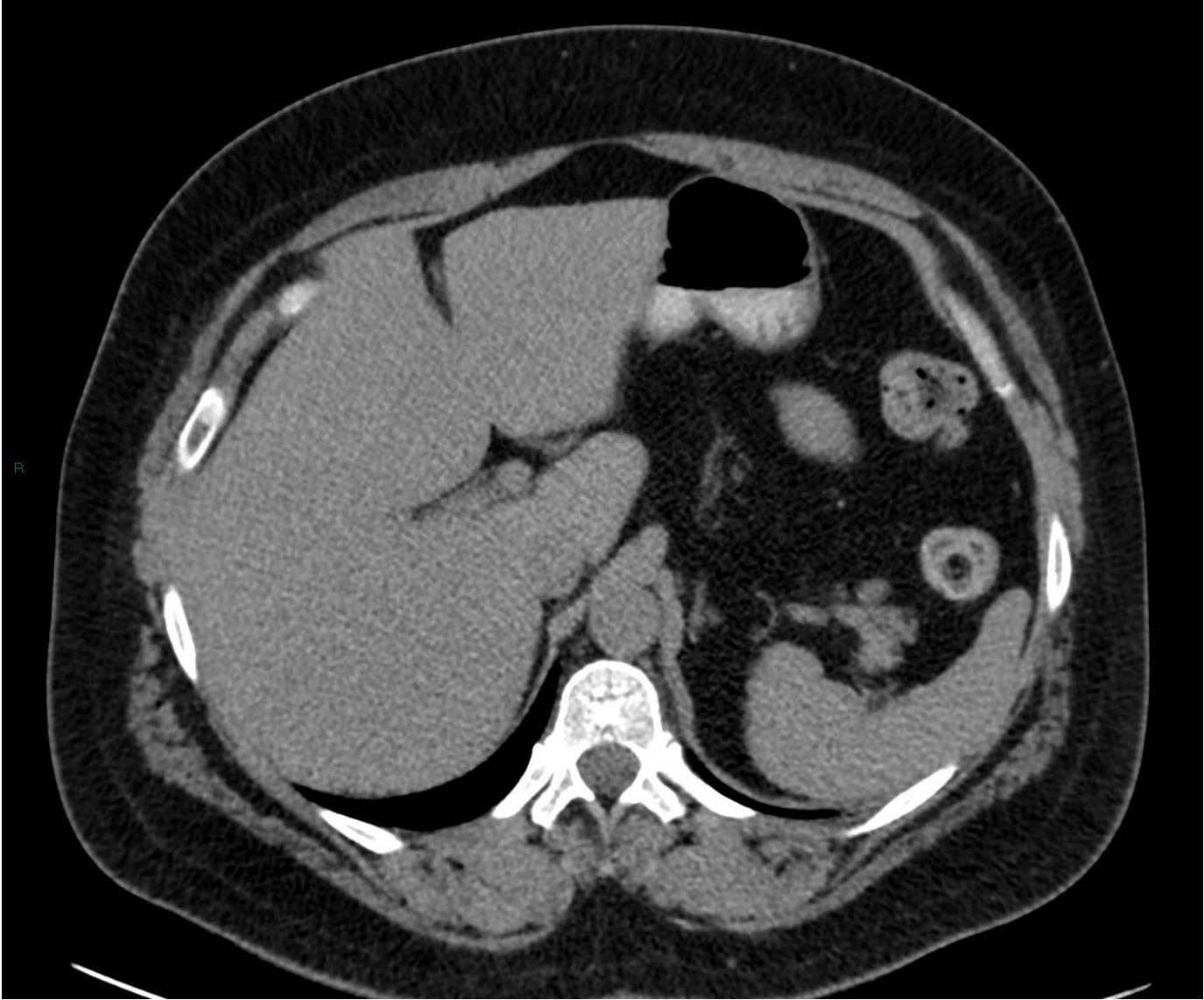


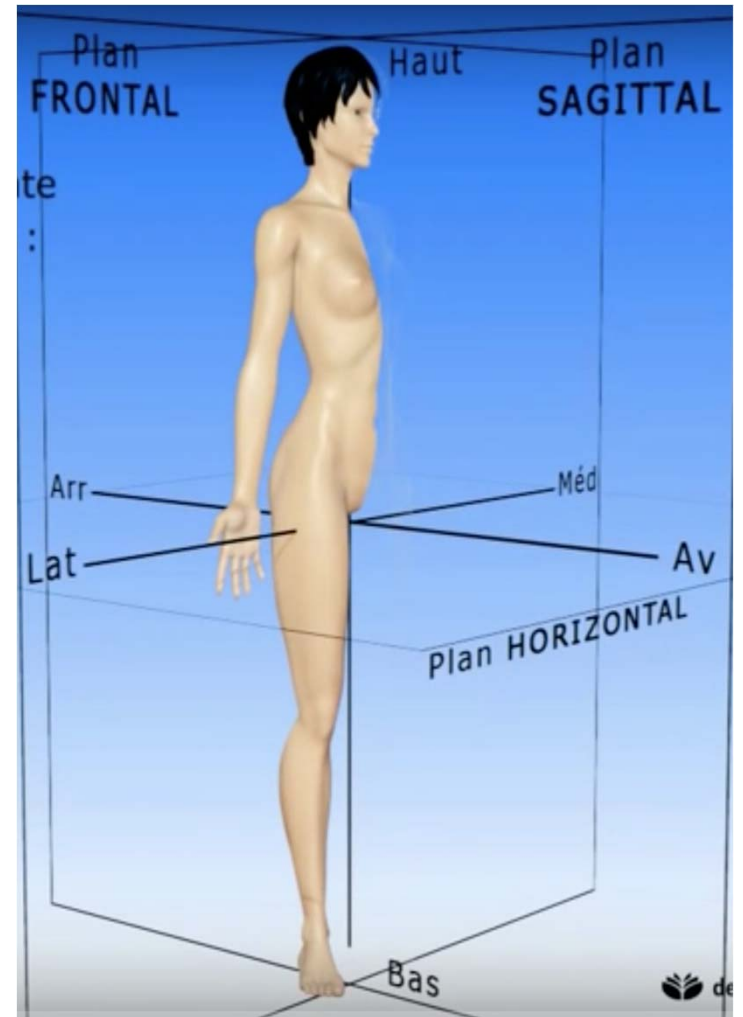
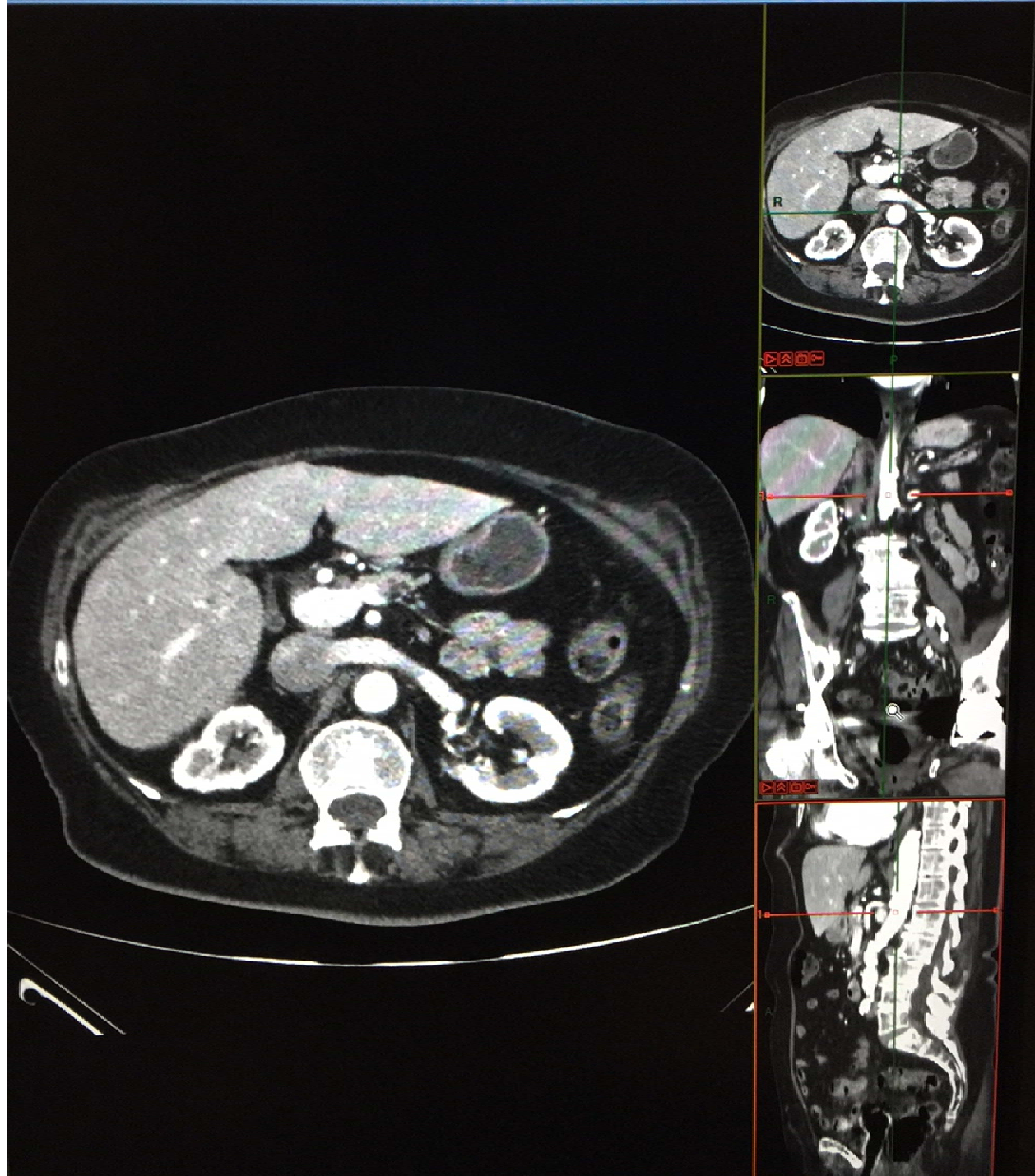
D

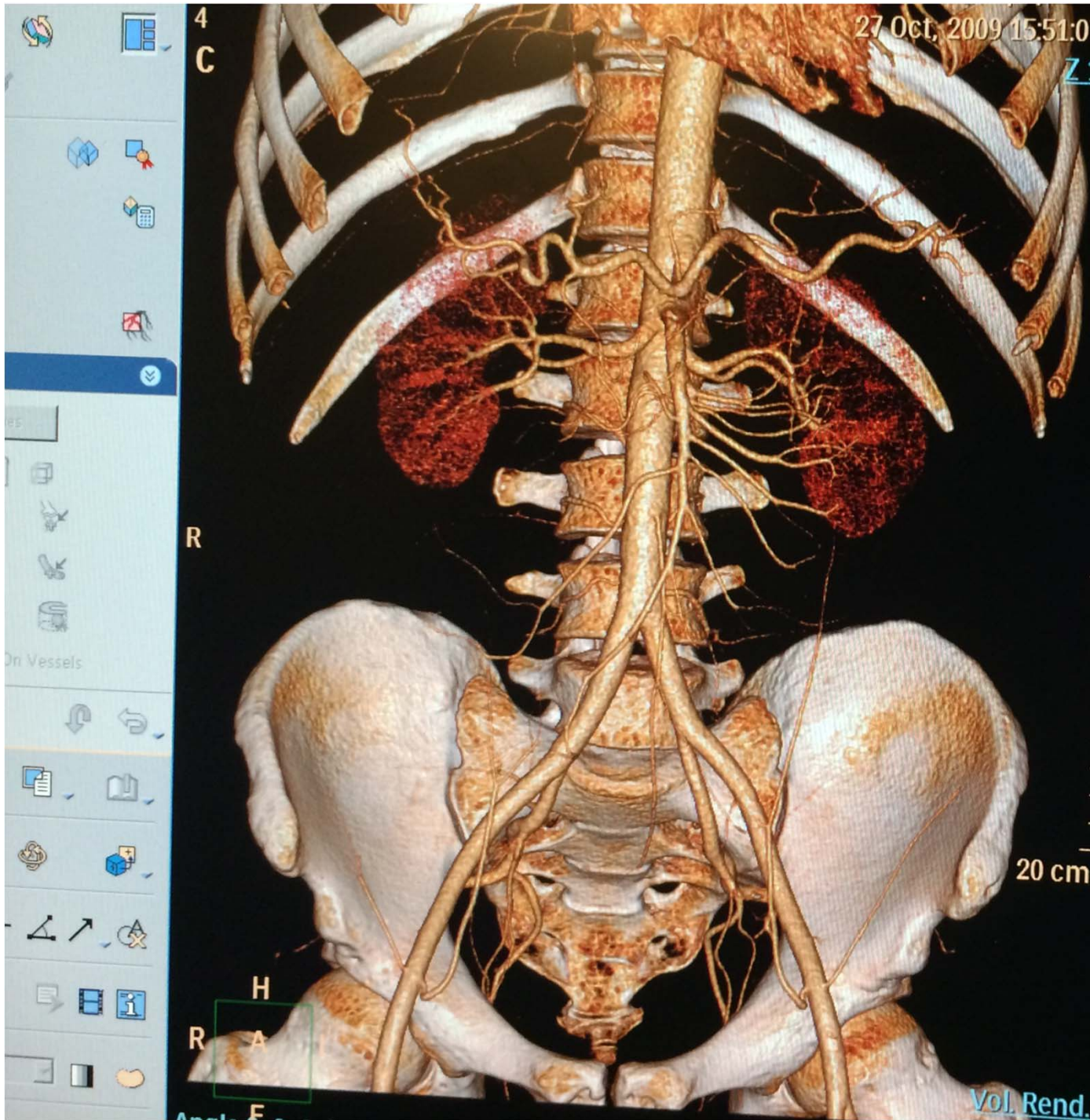


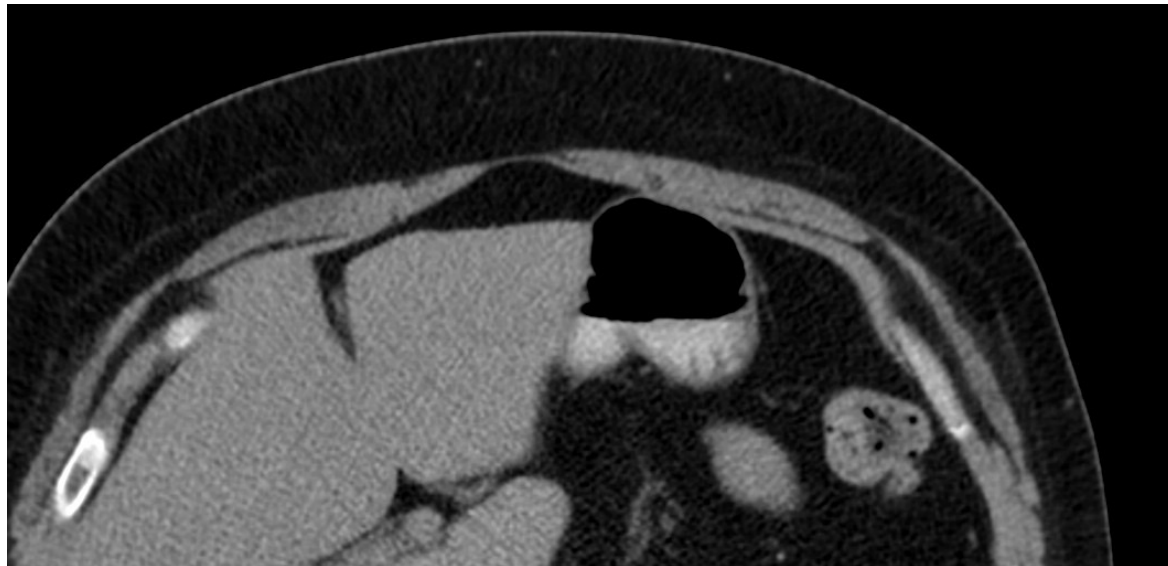












Terminologie (1)

- disposition du corps du patient: selon les anatomistes
- droite-gauche
- proximal, distal
- cranial-caudal
- antérieur-postérieur
- médian-latéral
- coupes transversales, coronales, sagittales
- 3 D volumique
- navigation virtuelle