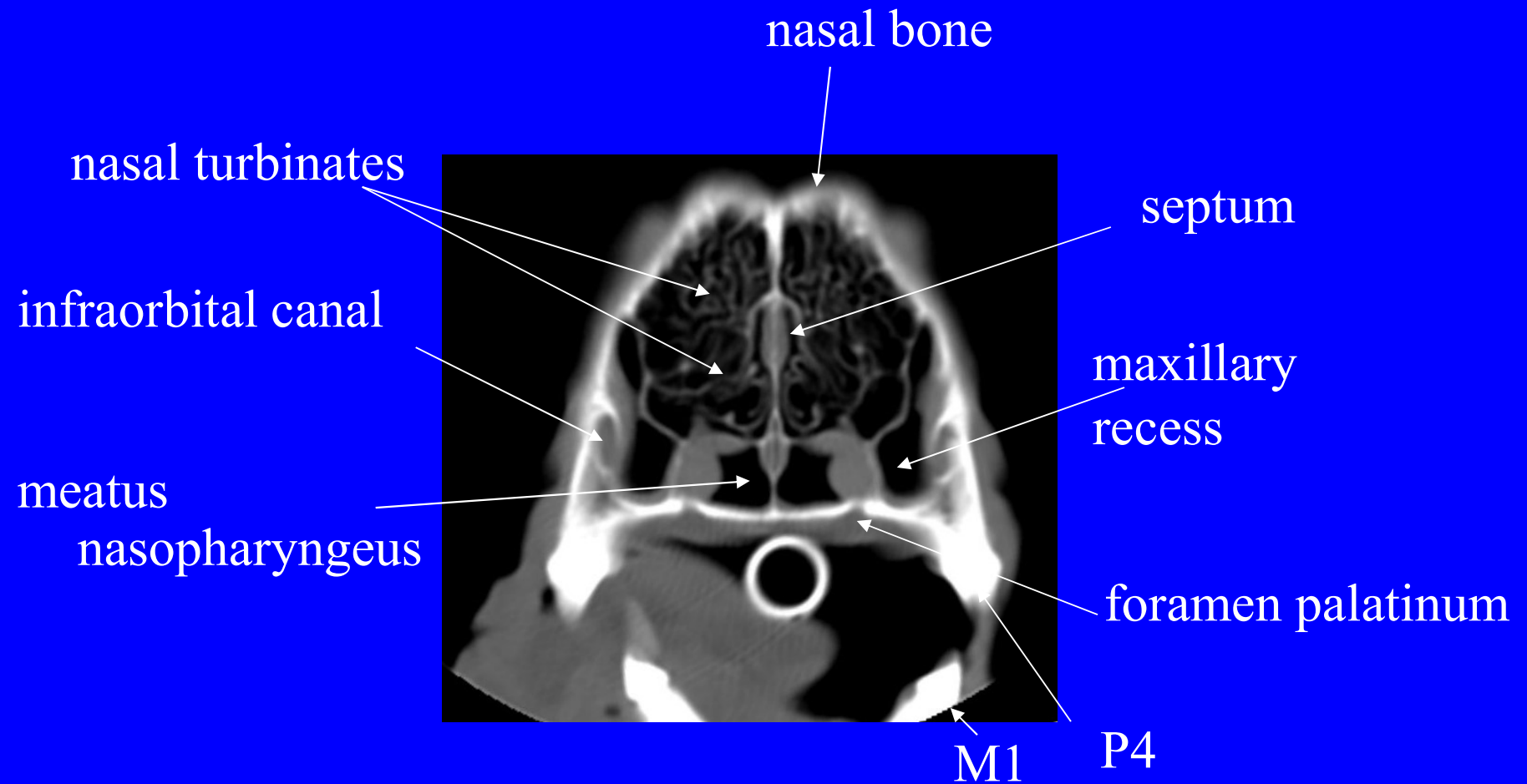


TC Cranio

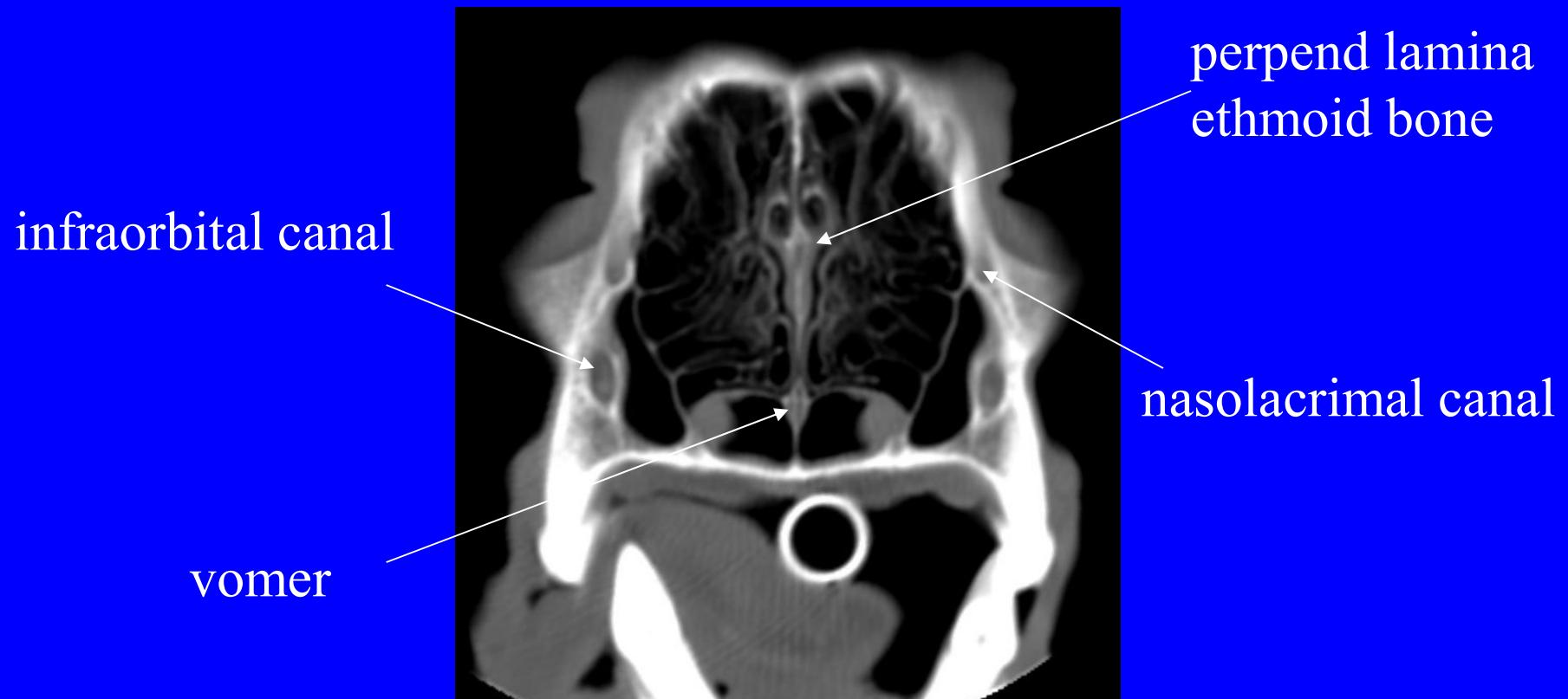
# Tomographic Anatomy of the Skull

- Nasal cavity
- Bone/Joints
- Tympanic Bullae
- Extracranial Soft Tissues
- Retrobulbar Space
- Intracranial Soft Tissues (brain, brain stem, cerebellum, Hypophysis, meningi, etc.)

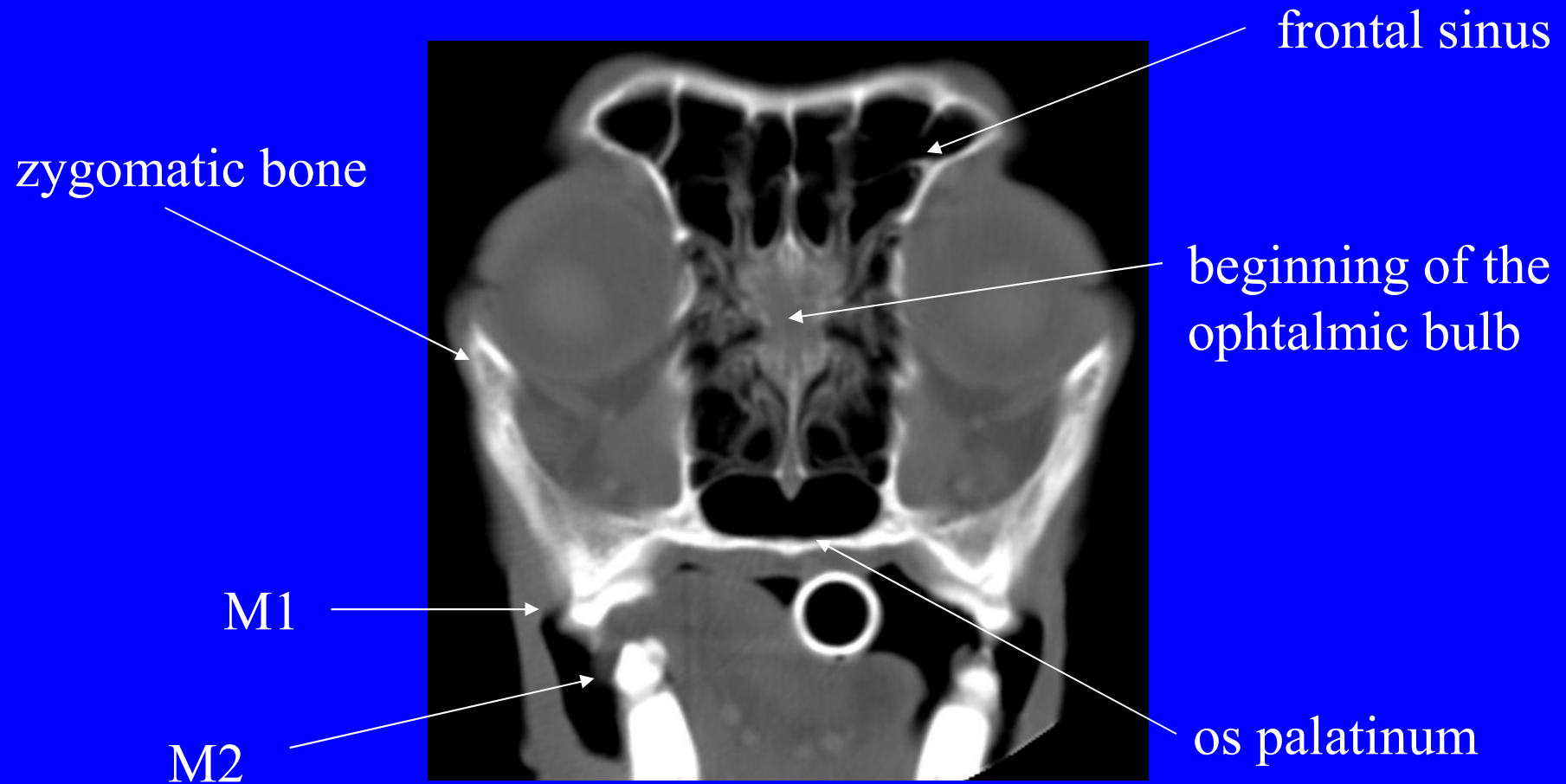
# Splanchnocranium - Nasal Cavity



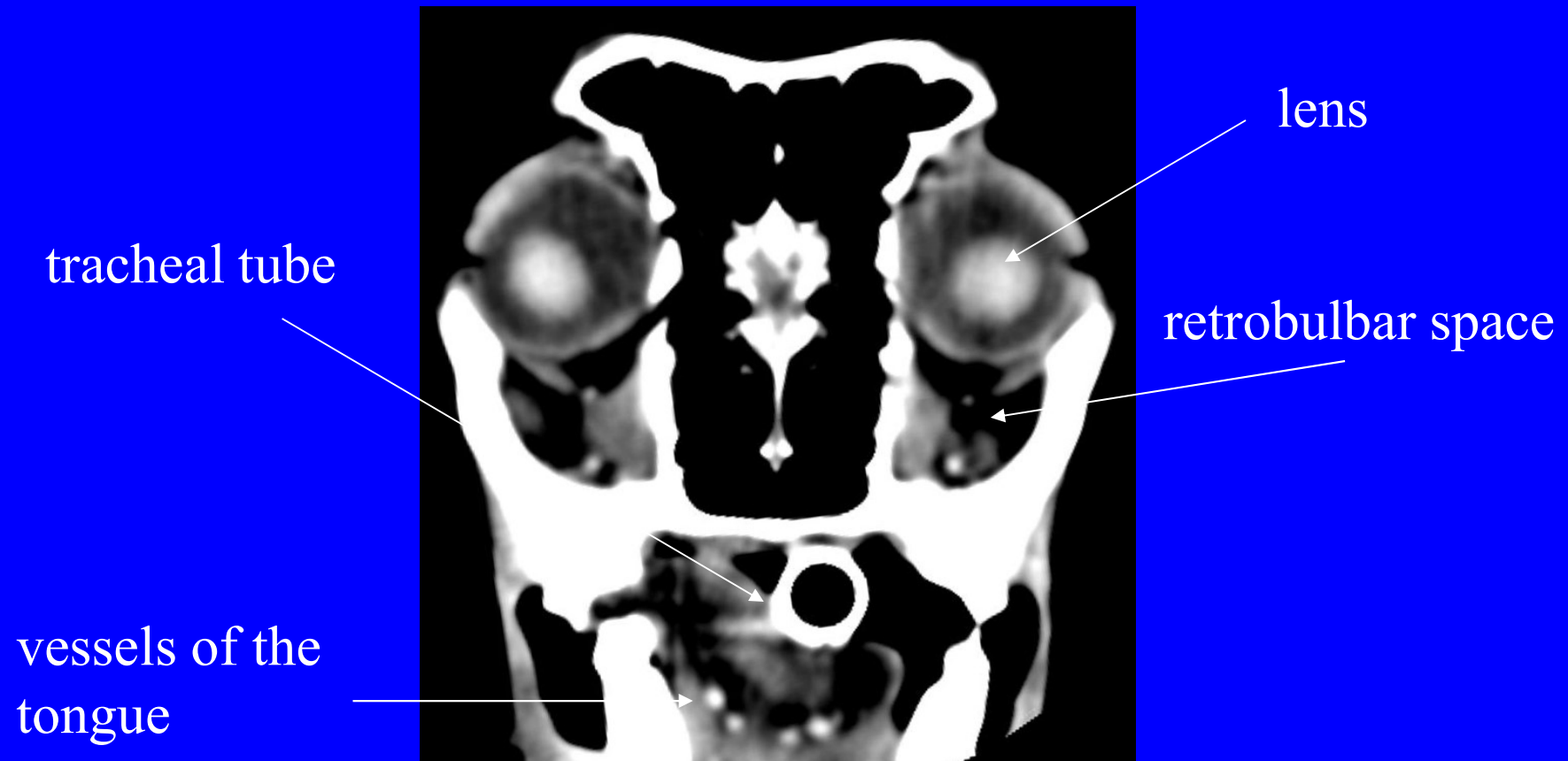
# Caudal Aspect of the Nasal Cavity



# Caudal Aspect of the Nasal Cavity



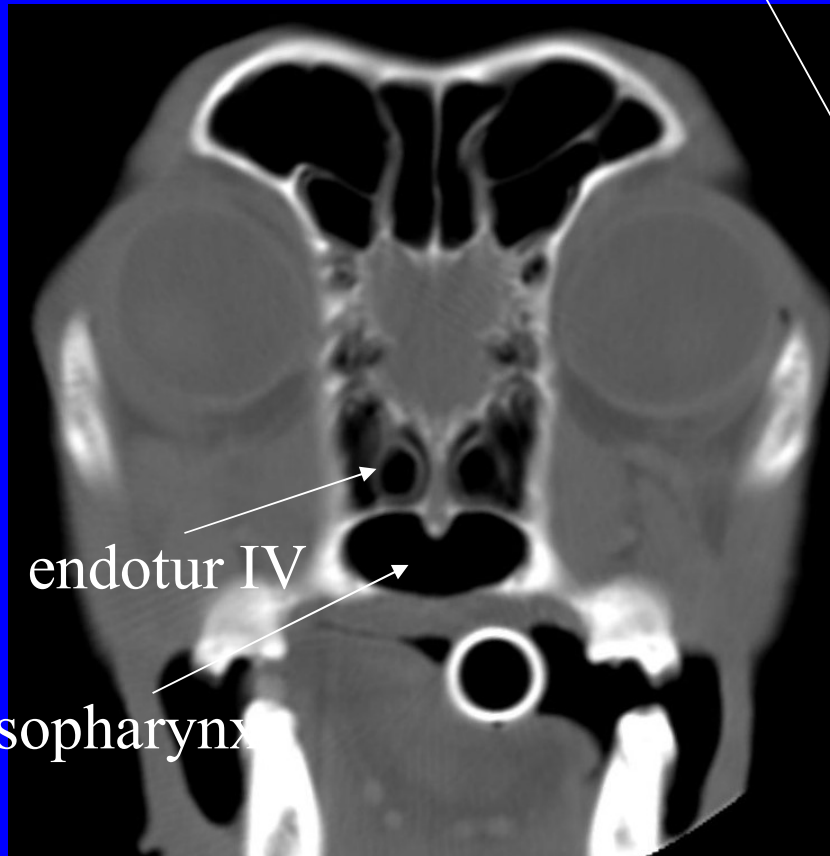
# Caudal Aspect of the Nasal Cavity

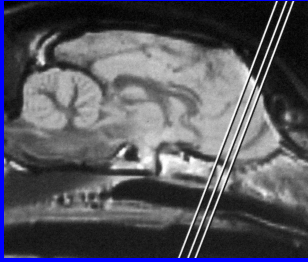


# Caudal Aspect of the Nasal Cavity/Retrobulbar space

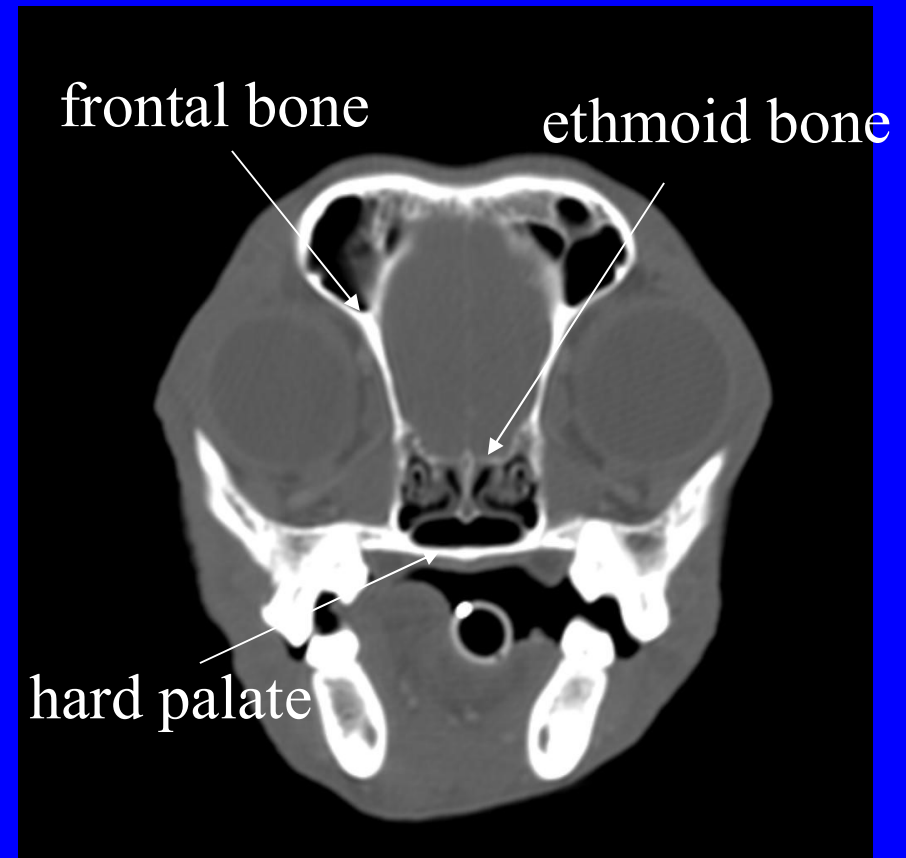
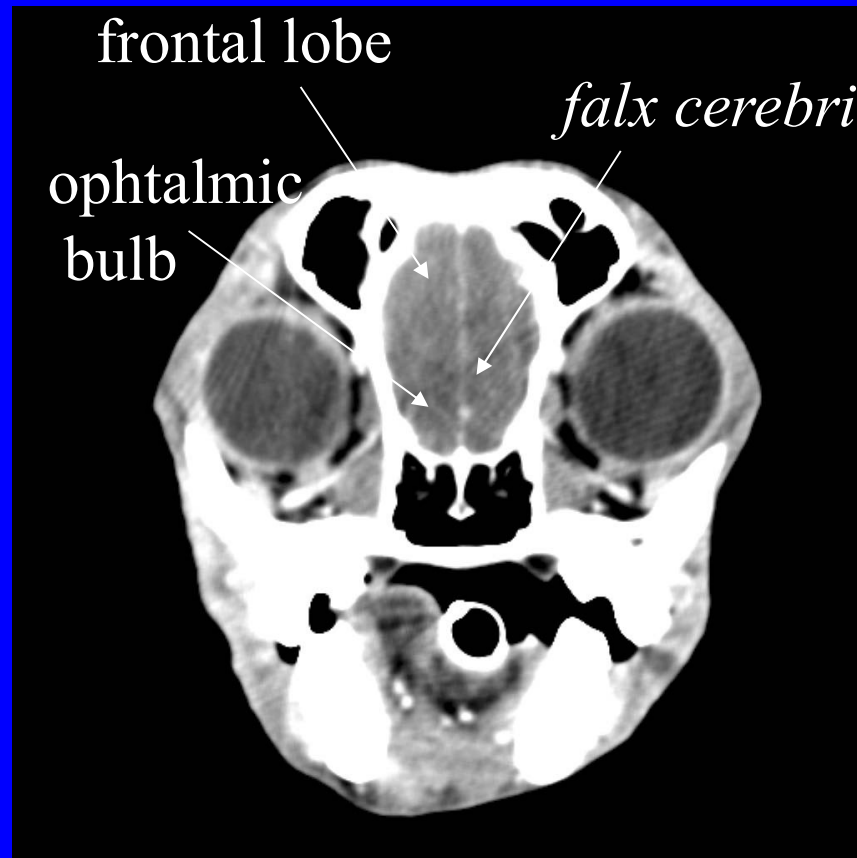
zygomatic gland

pterygoid mm

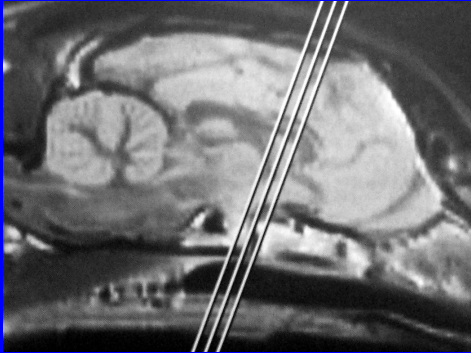




# Splanchnocranium/Neurocranium





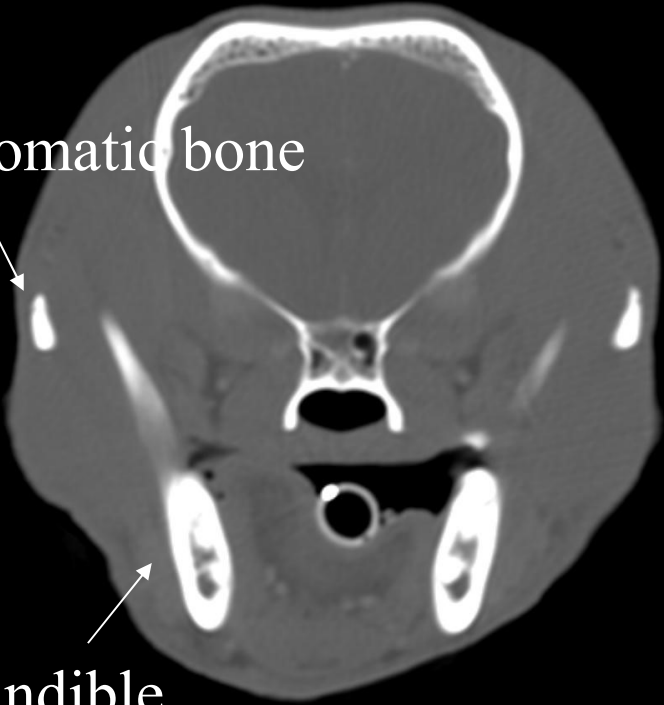


right lat ventricle



optic chiasm

zygomatic bone



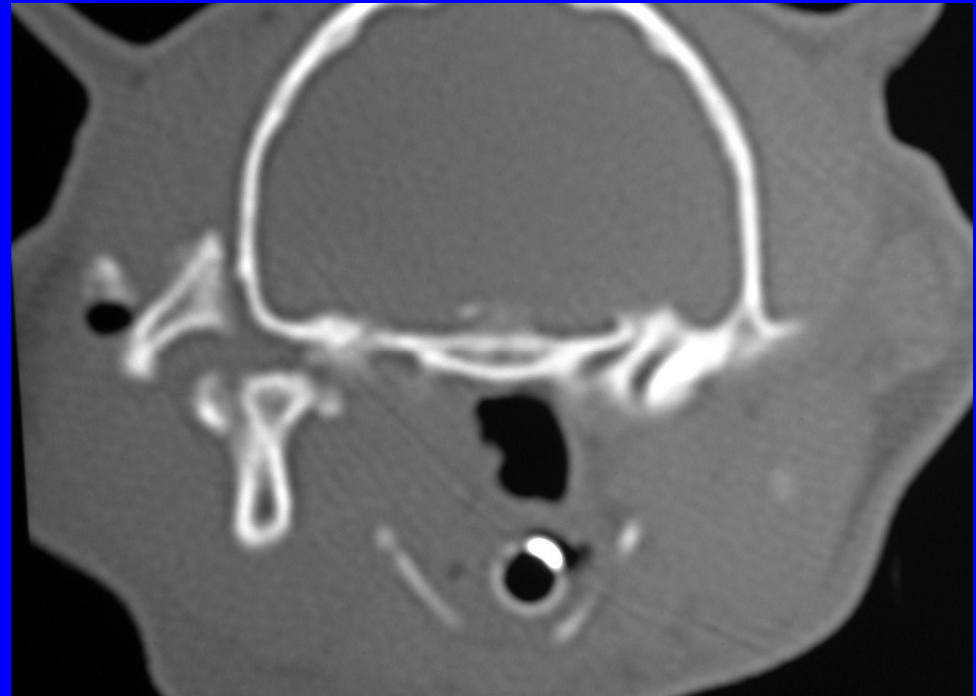
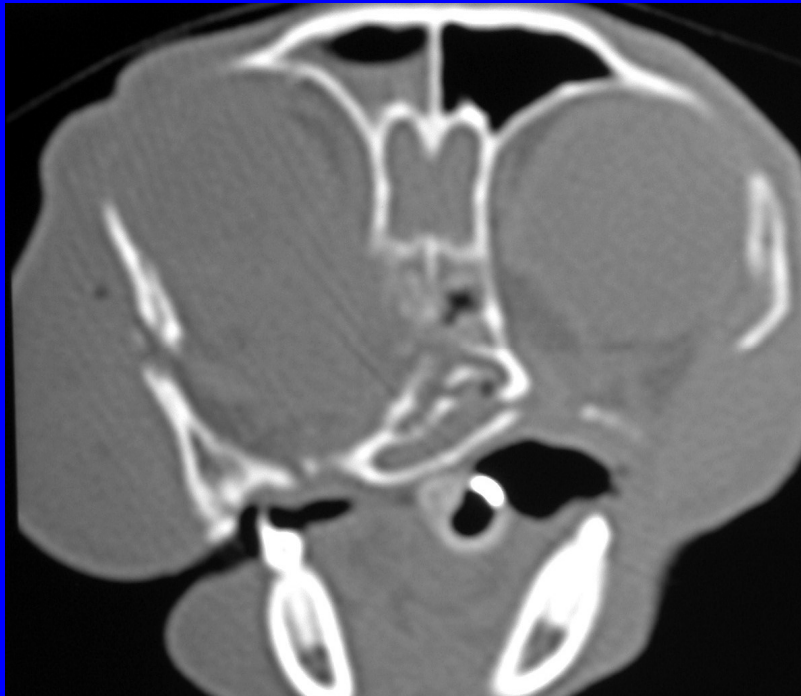
mandible

# Intracranial Diseases

- Trauma
- Hydiophatic
- Congenital
- Inflammatory/infectious
- Neoplastic

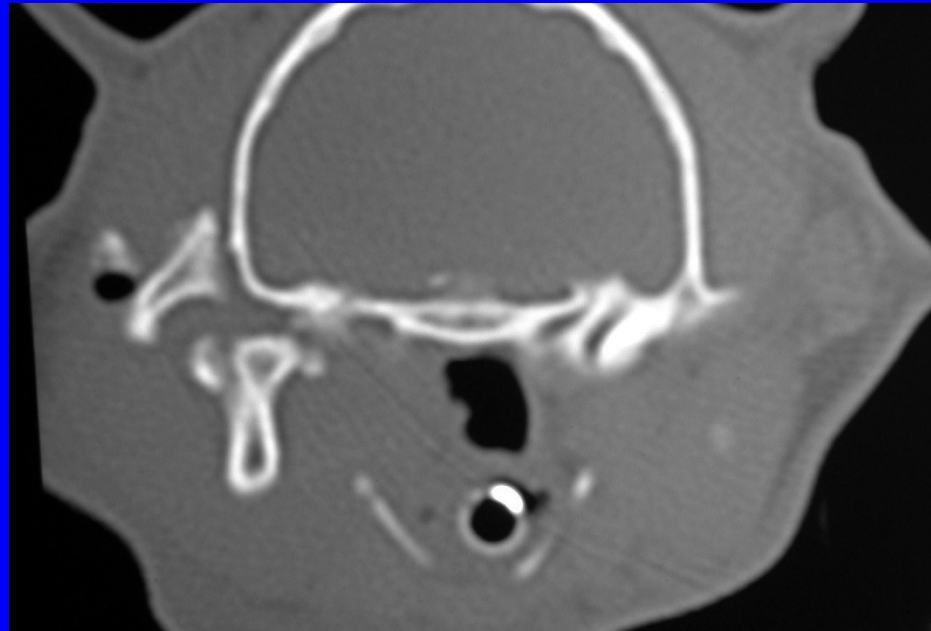
# Trauma

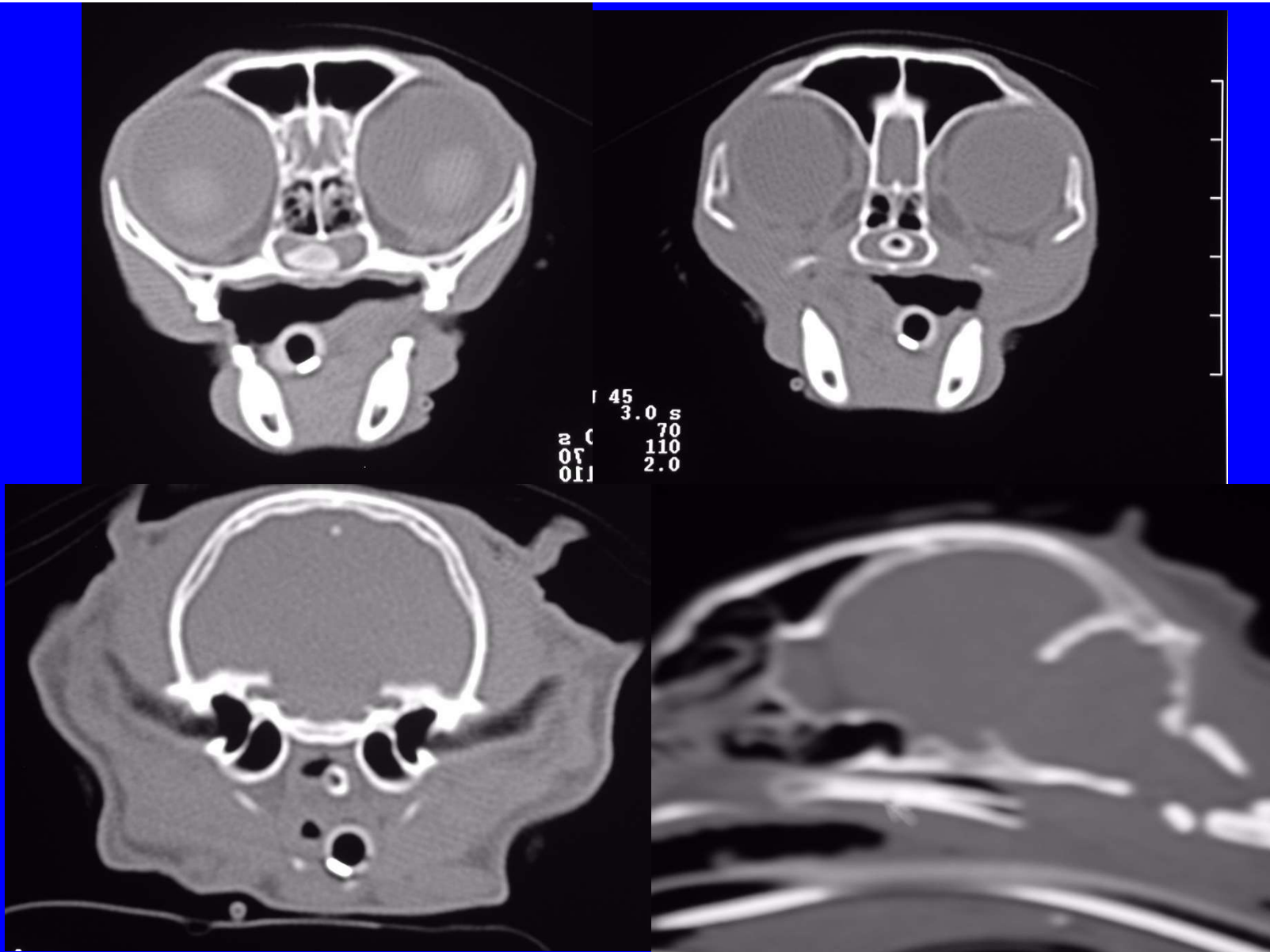
DSH Cat M 12yr





DSH cat, m, 12yr





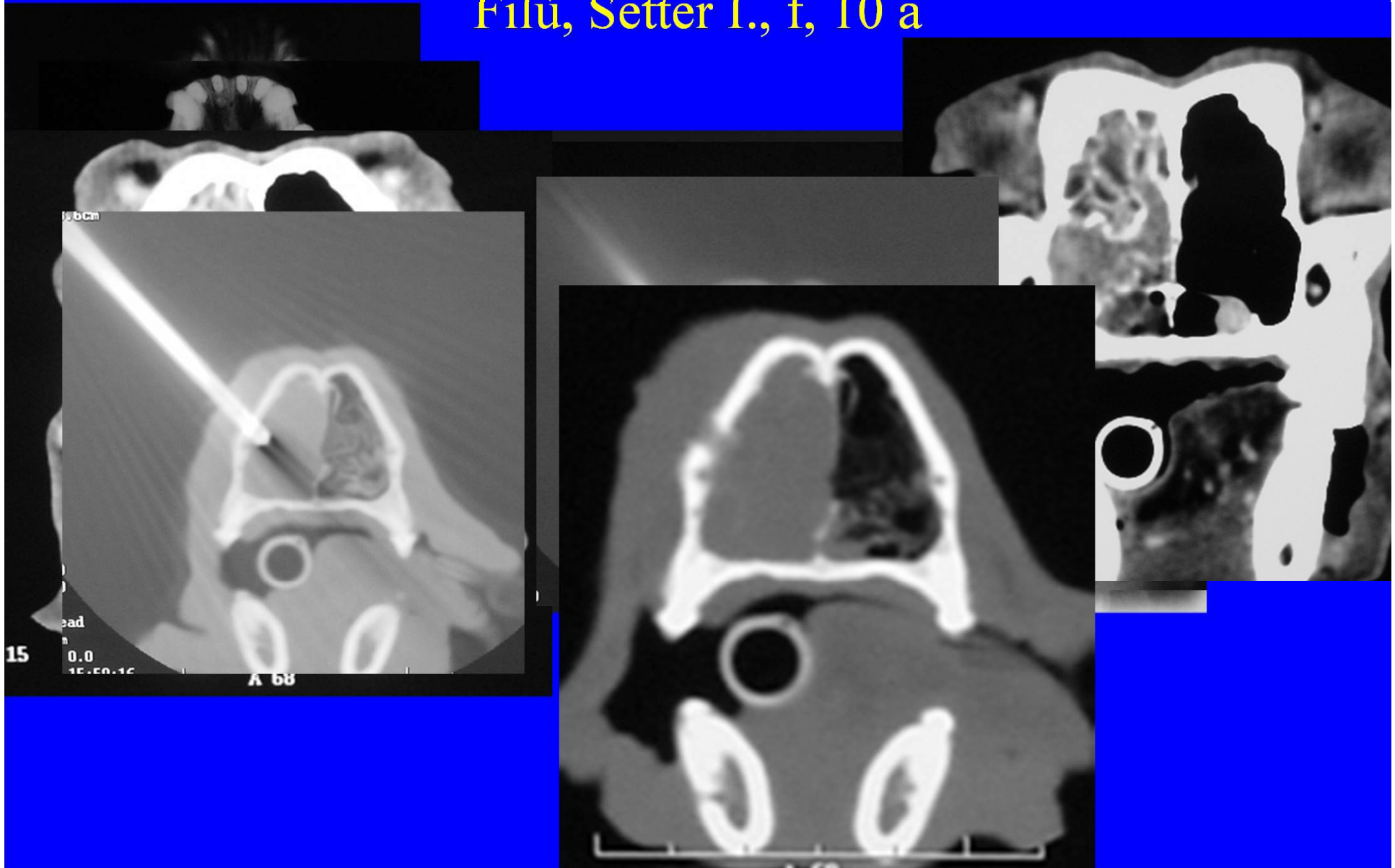
Gatto

# Retrobulbar lesions



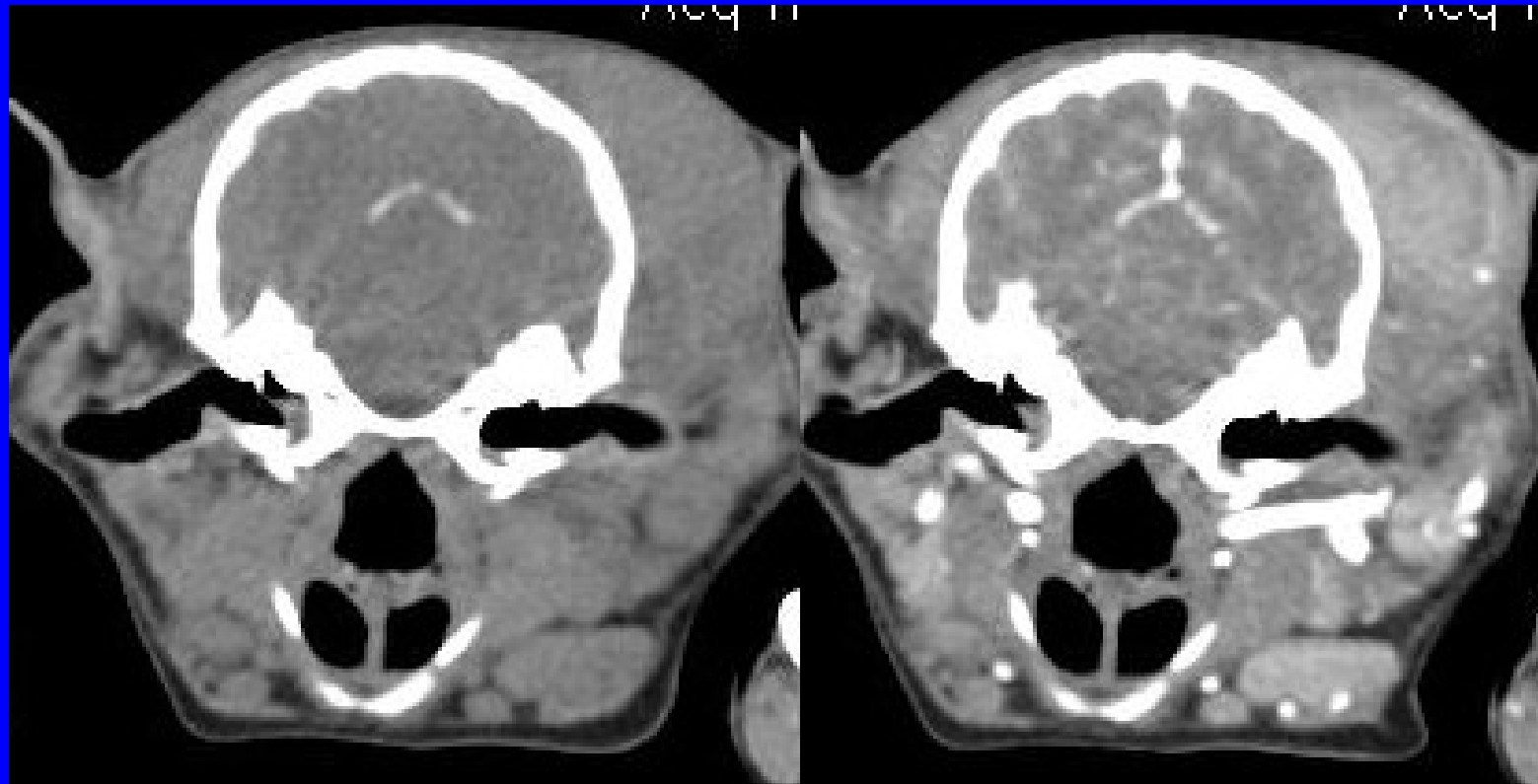


Filù, Setter I., f, 10 a





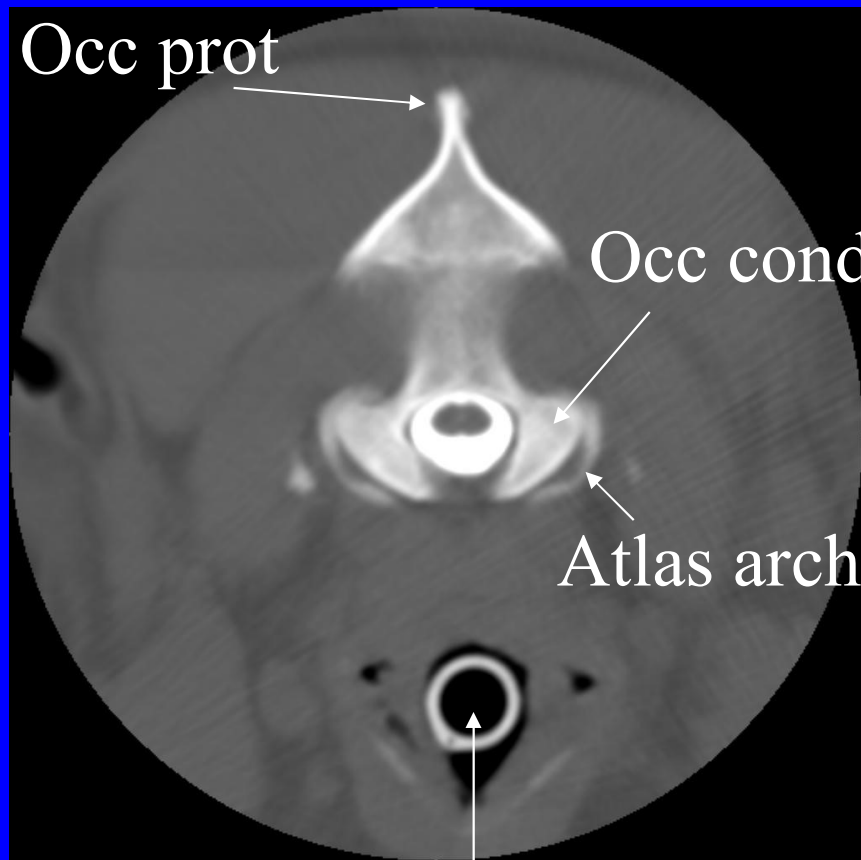
# Inflammatorio/autoimmune



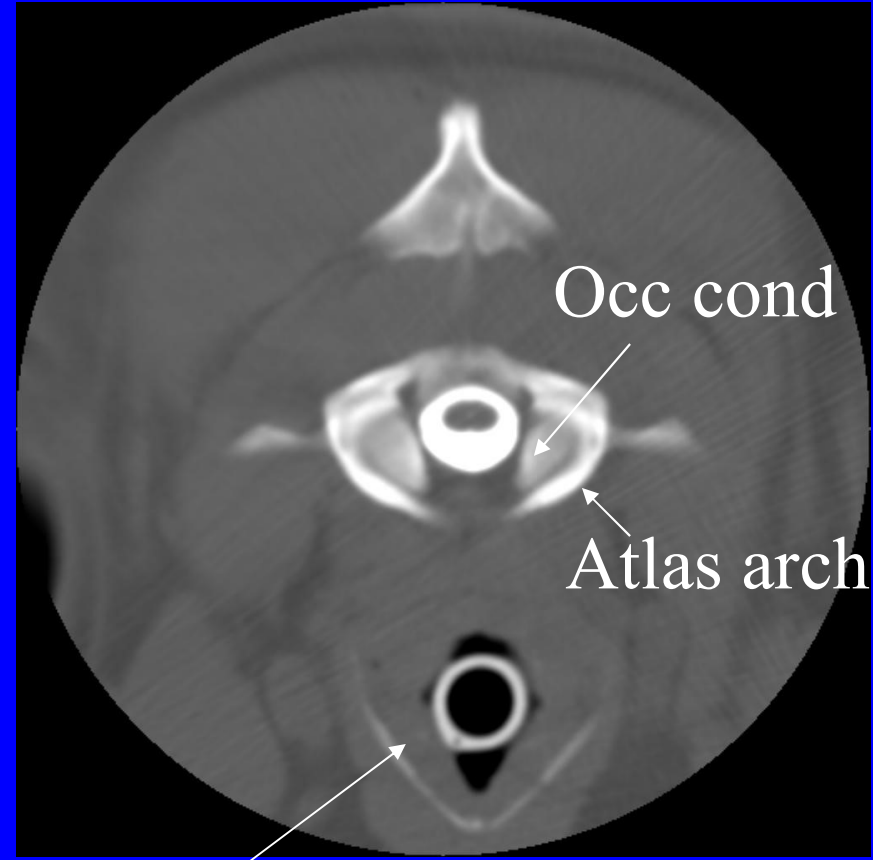
# CT anatomy of the vertebral column

- Muscoli epi/ipoassiali
- Valutazione dei segmenti ossei (differenze nelle varie sedi anatomiche)
- Articolazioni faccette dorsali
- *Foramina*/grasso peridurale
- Dischi intervertebrali
- Midollo spinale/grasso peridurale
- Vasi canale vertebrale

# CT anatomy of the vertebral column — Occipital–Atlas (C1)

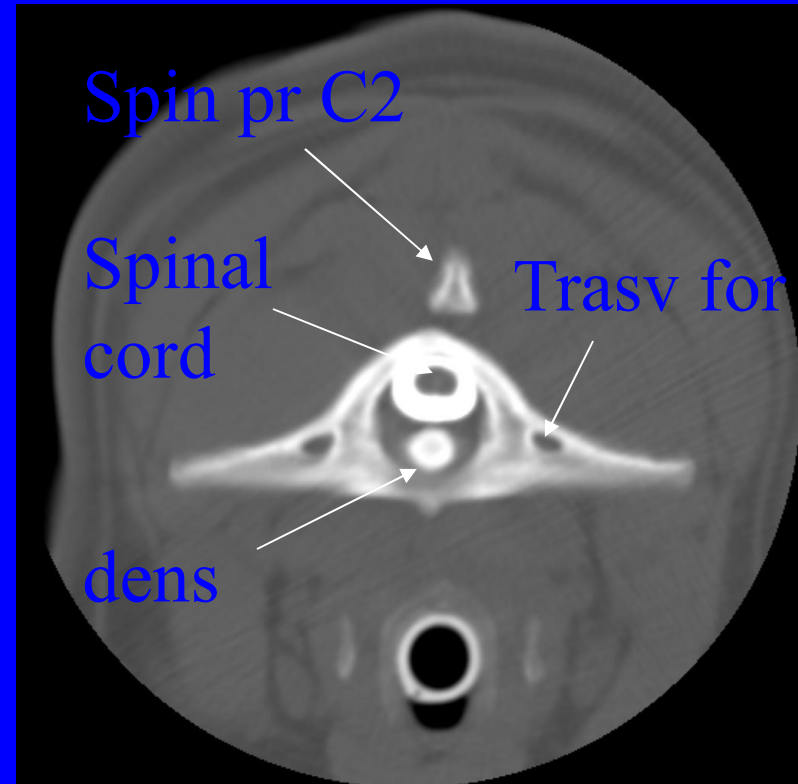
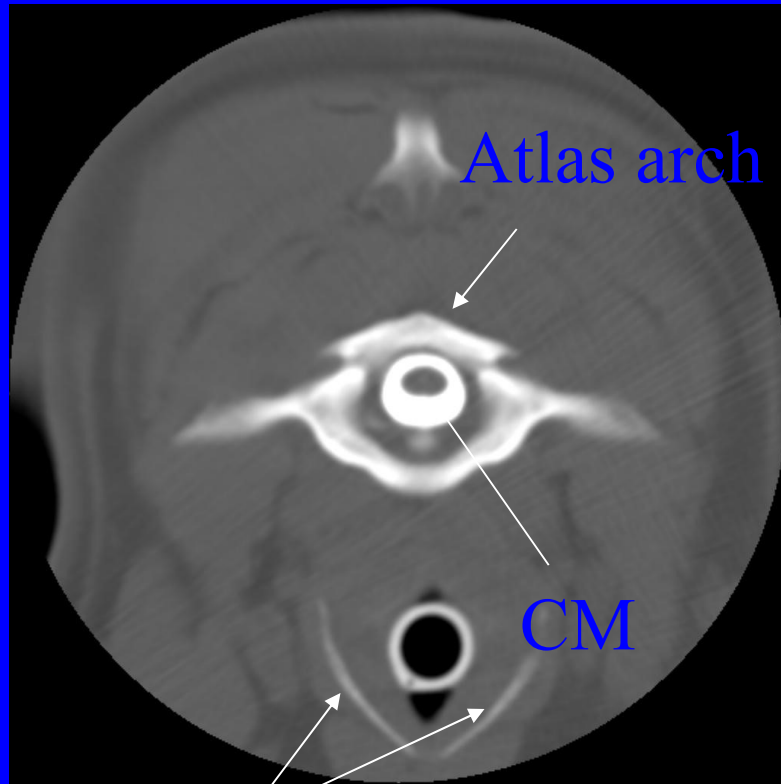


Tracheal tube



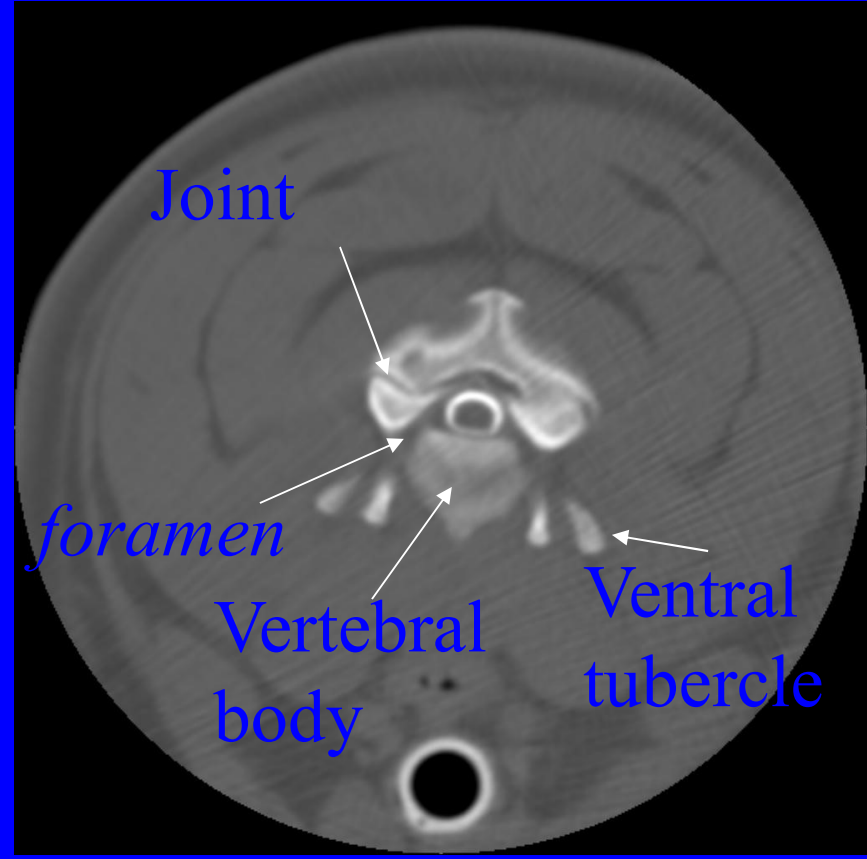
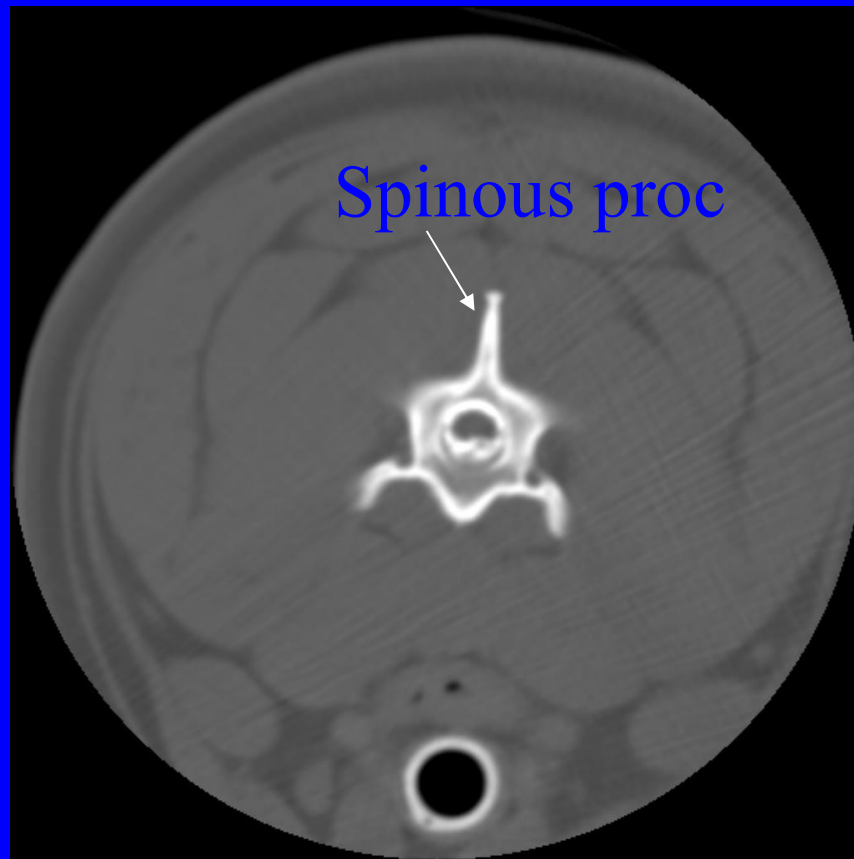
larynx

# CT anatomy of the vertebral column - C1-Axis dens (C2)

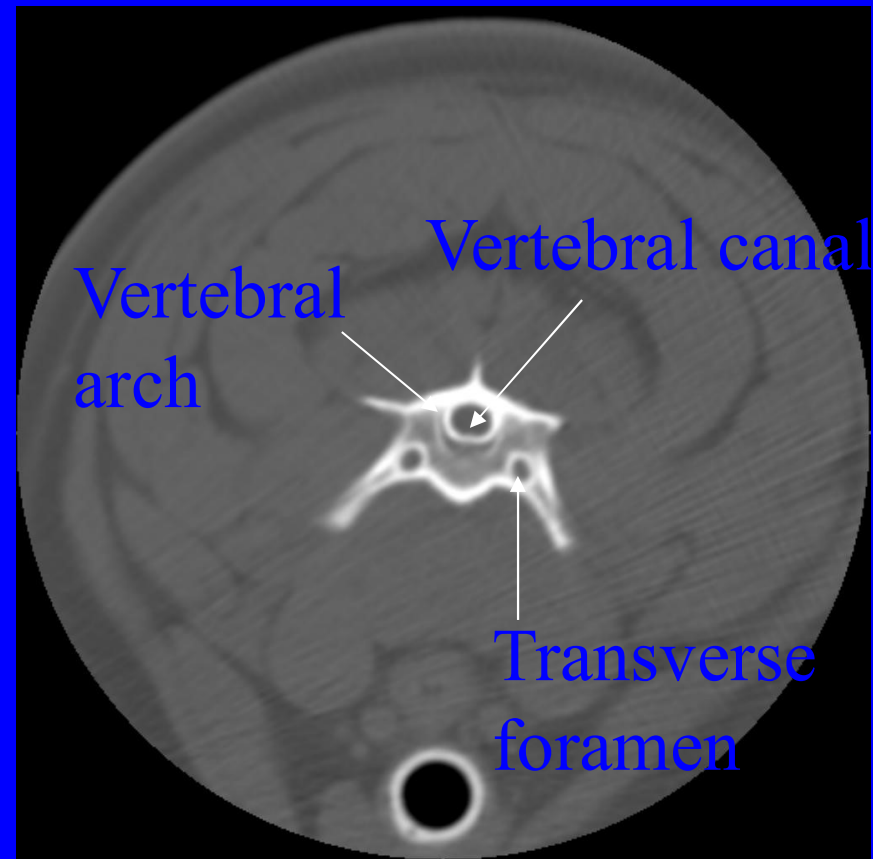
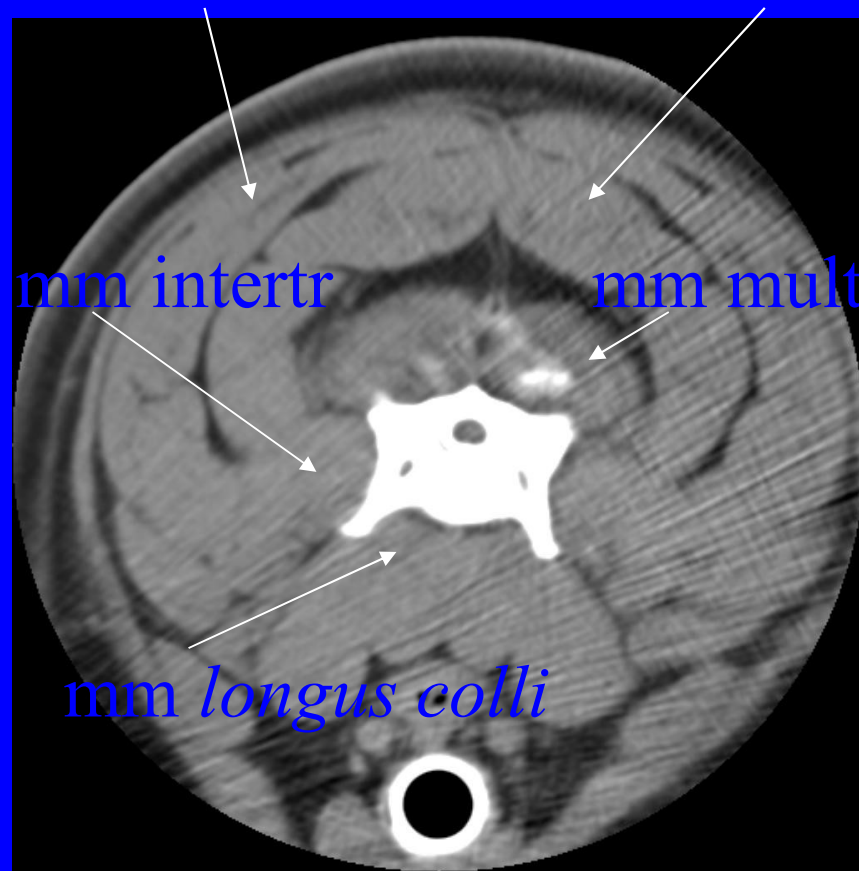


Thyroid cartilage

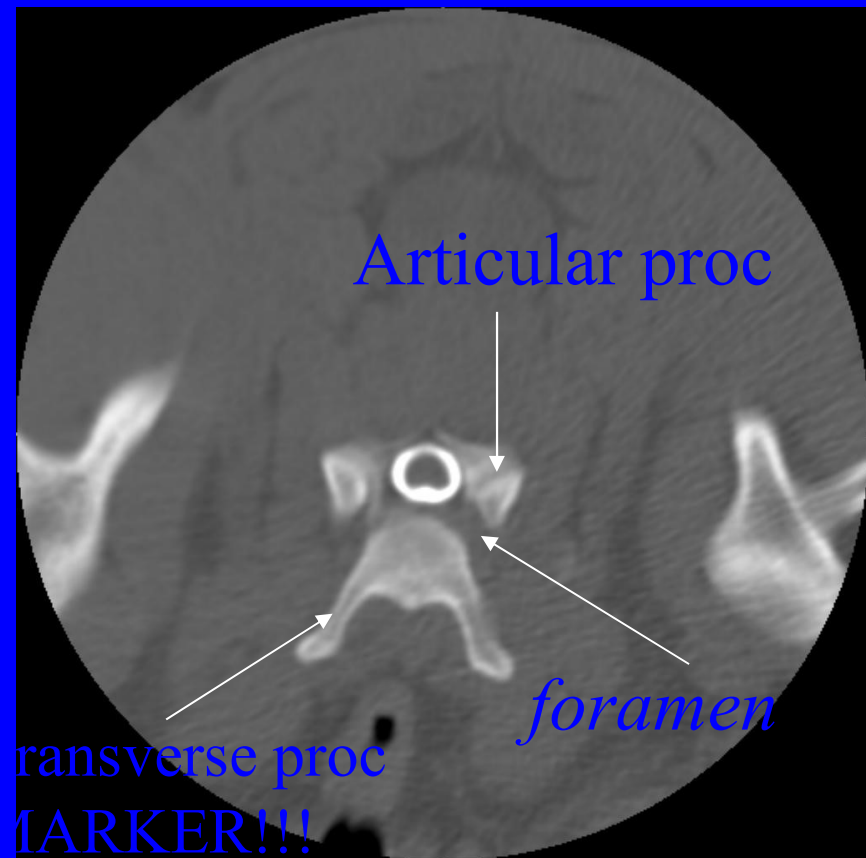
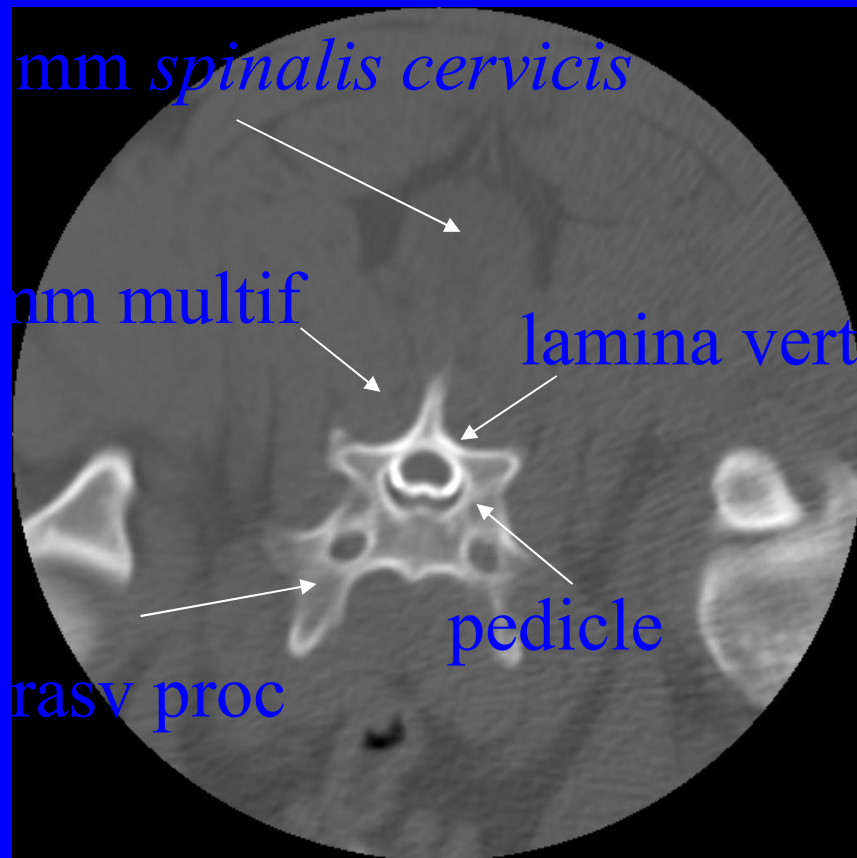
# CT anatomy of the vertebral column - C2 C2-C3



# CT anatomy of the vertebral column - C3

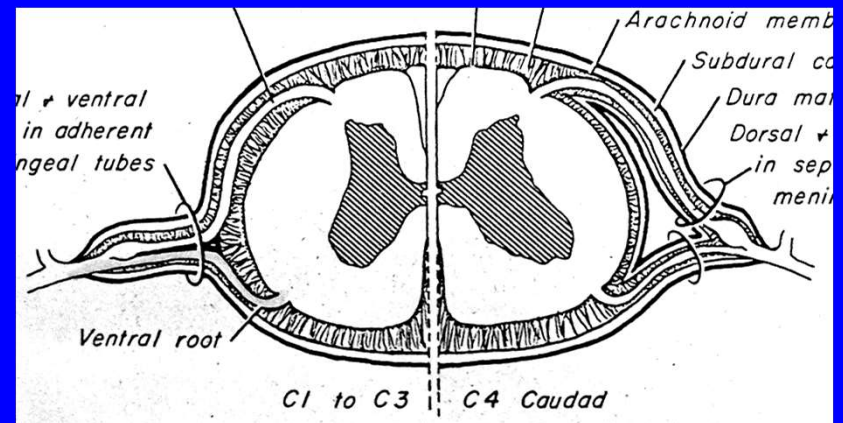
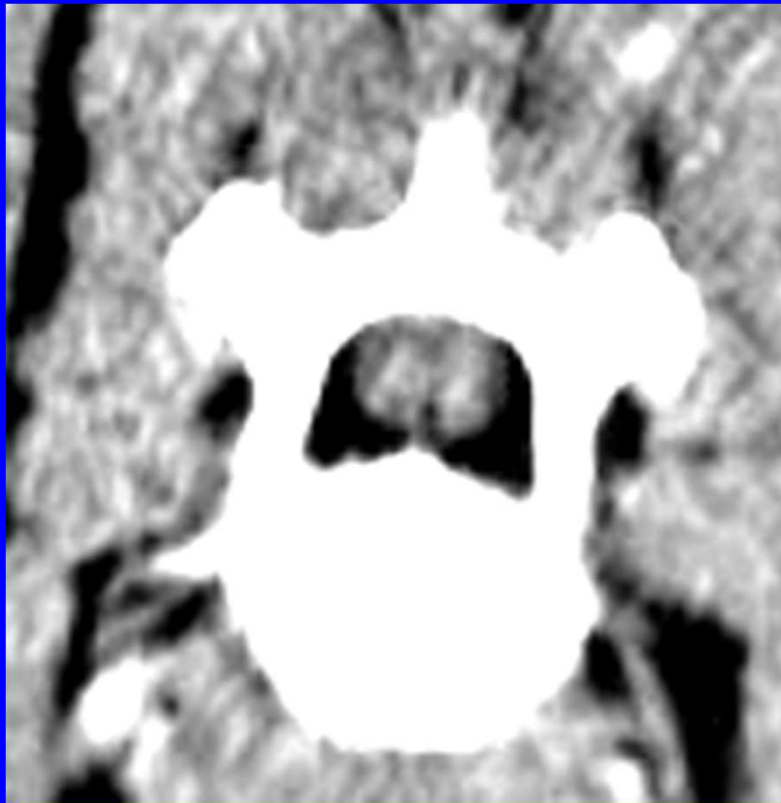


# CT anatomy of the vertebral column - C6 C6-C7



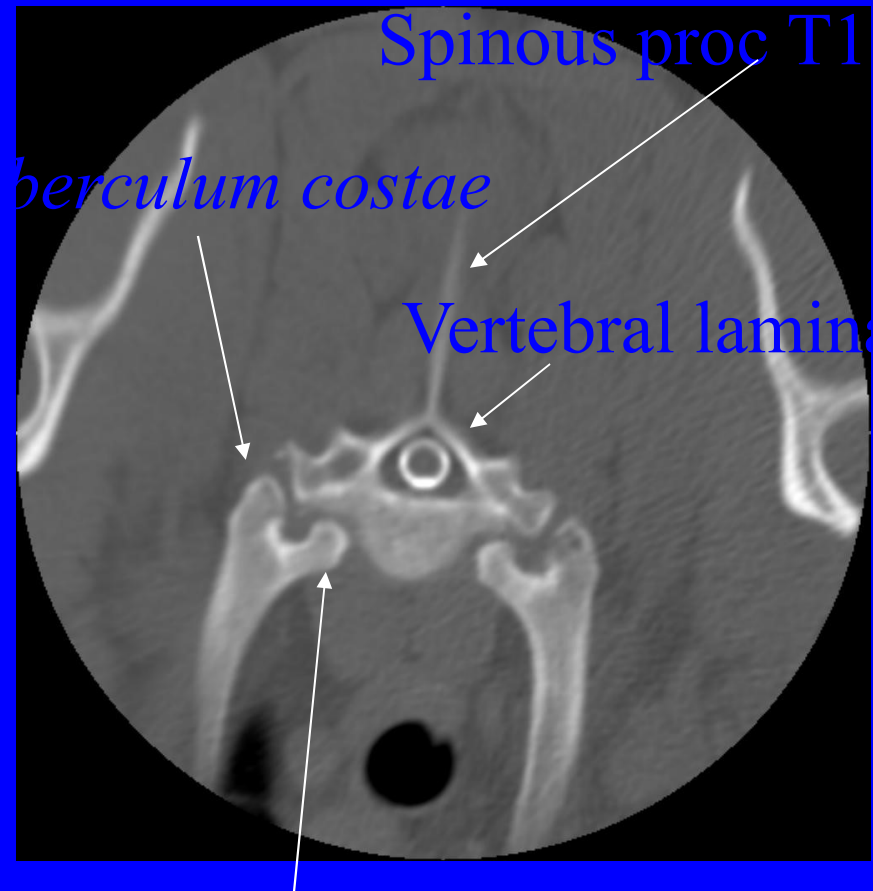
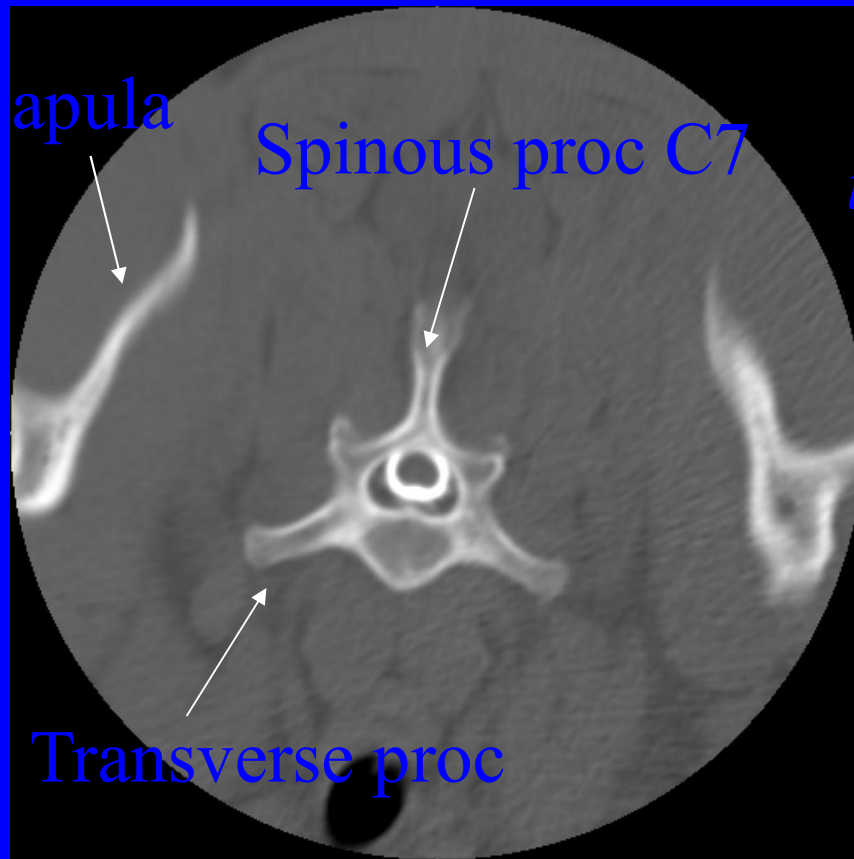


# Spinal cord

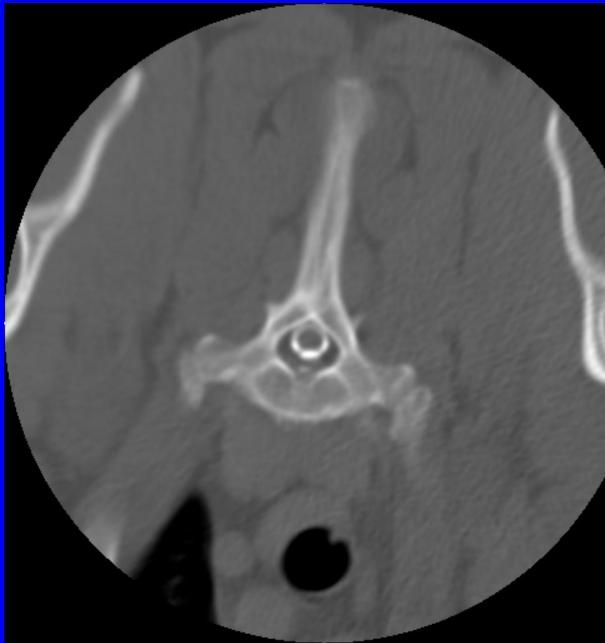




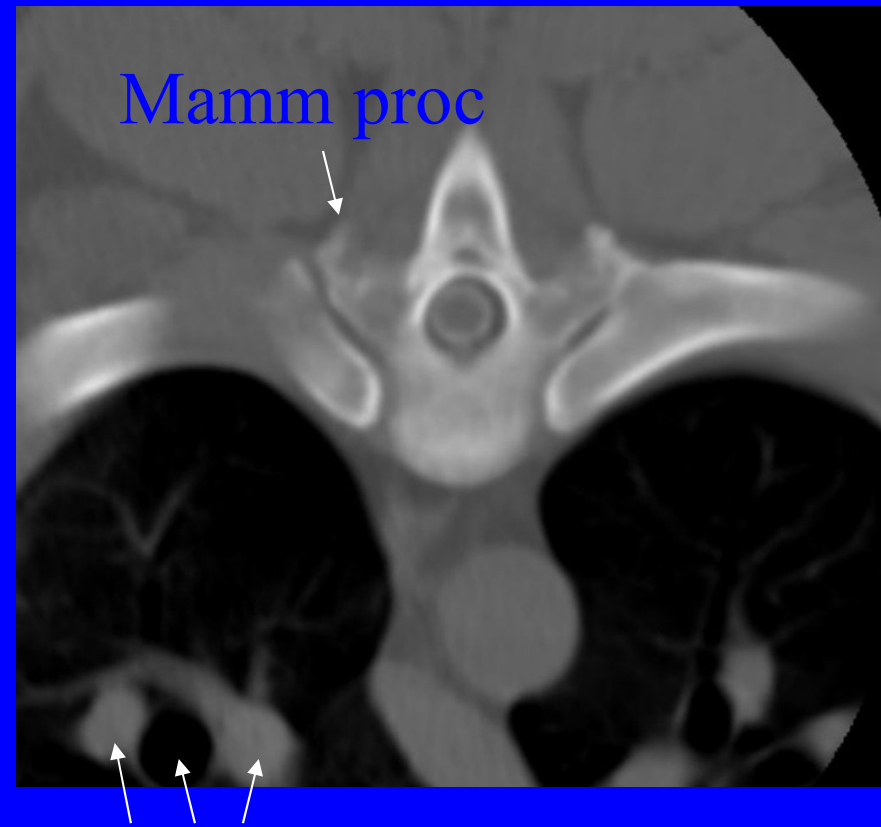
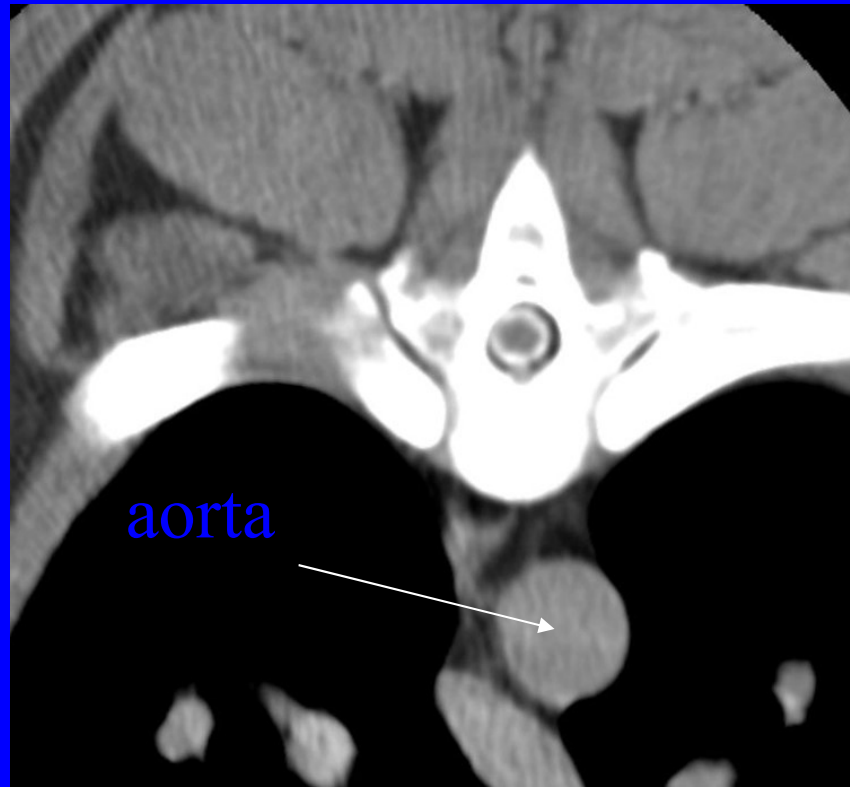
# CT anatomy of the vertebral column - C7 C7-T1



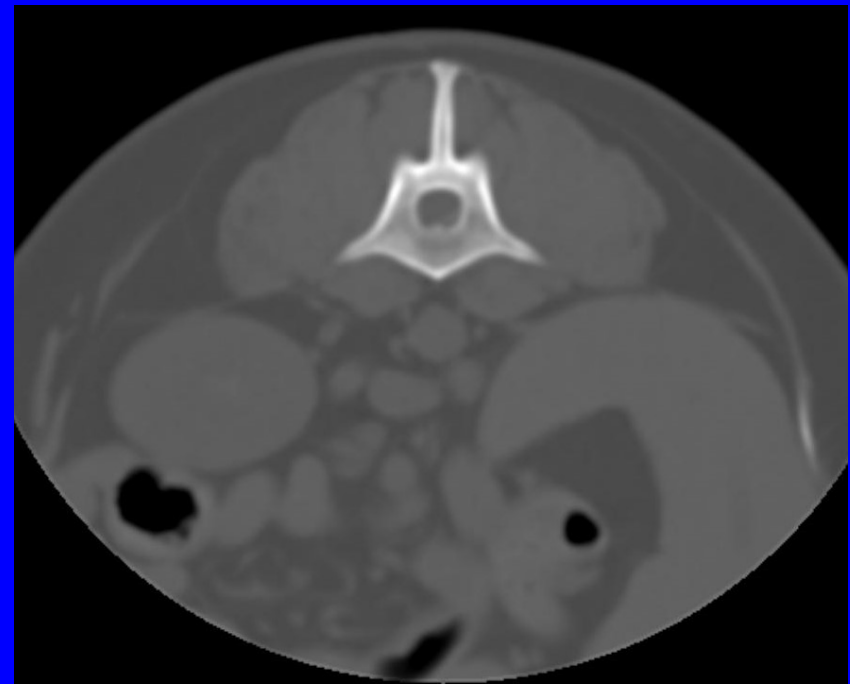
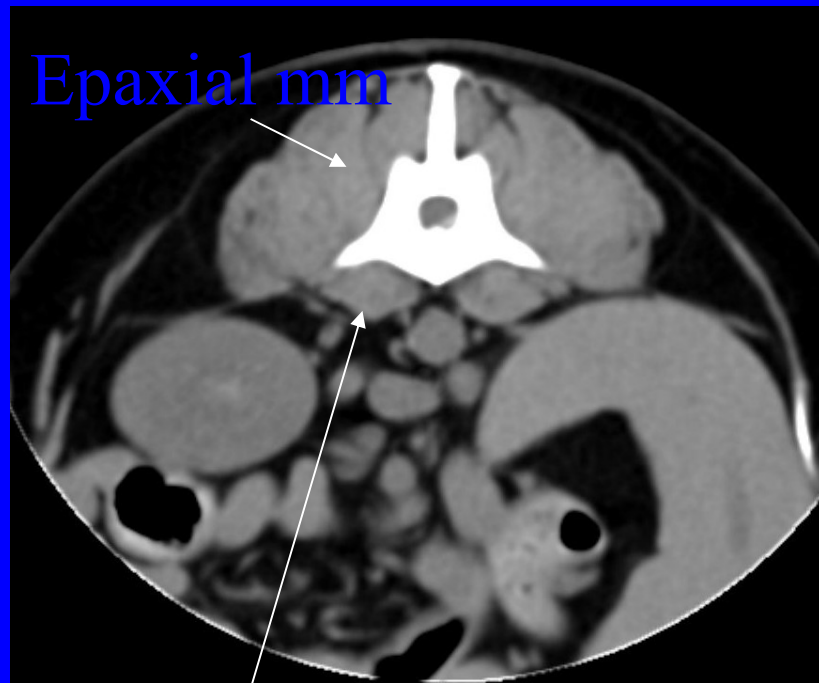
# CT anatomy of the vertebral column - T1 T1-T2



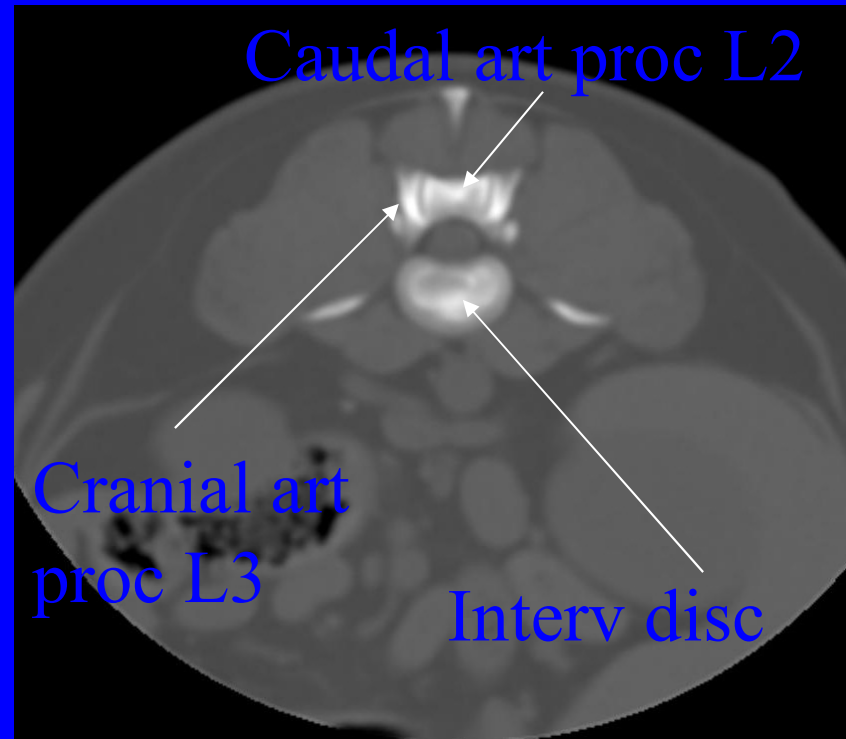
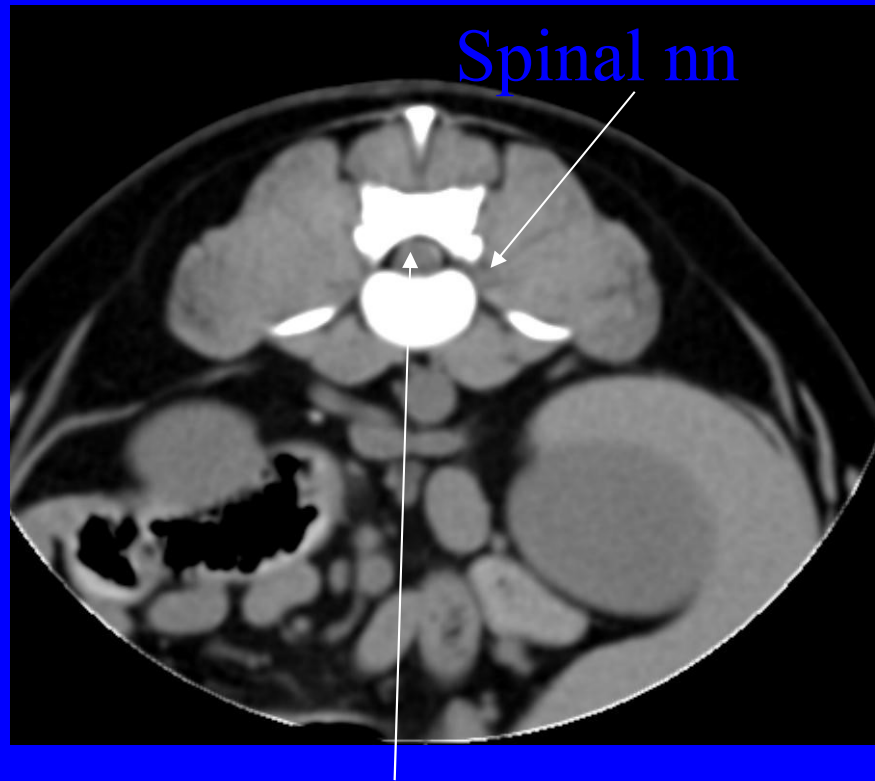
# CT anatomy of the vertebral column — mid thorax



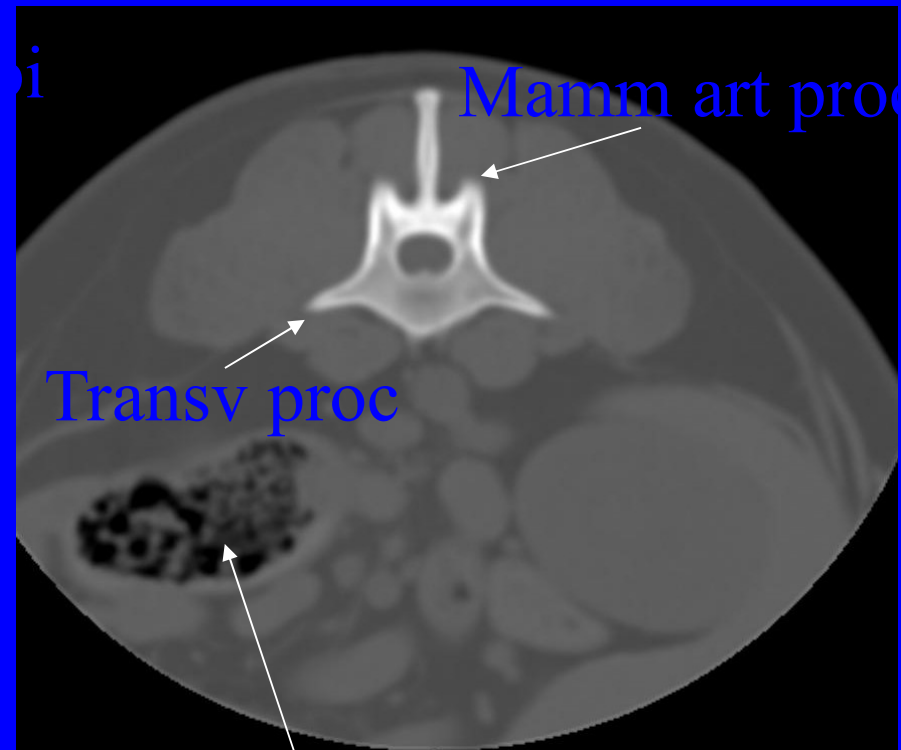
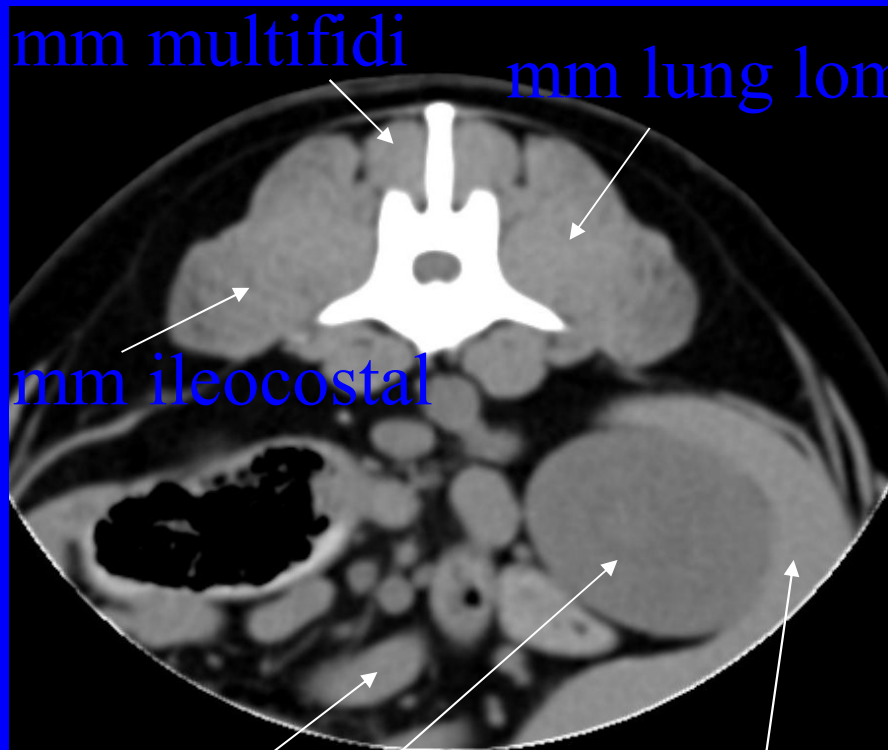
# CT anatomy of the vertebral column - L1



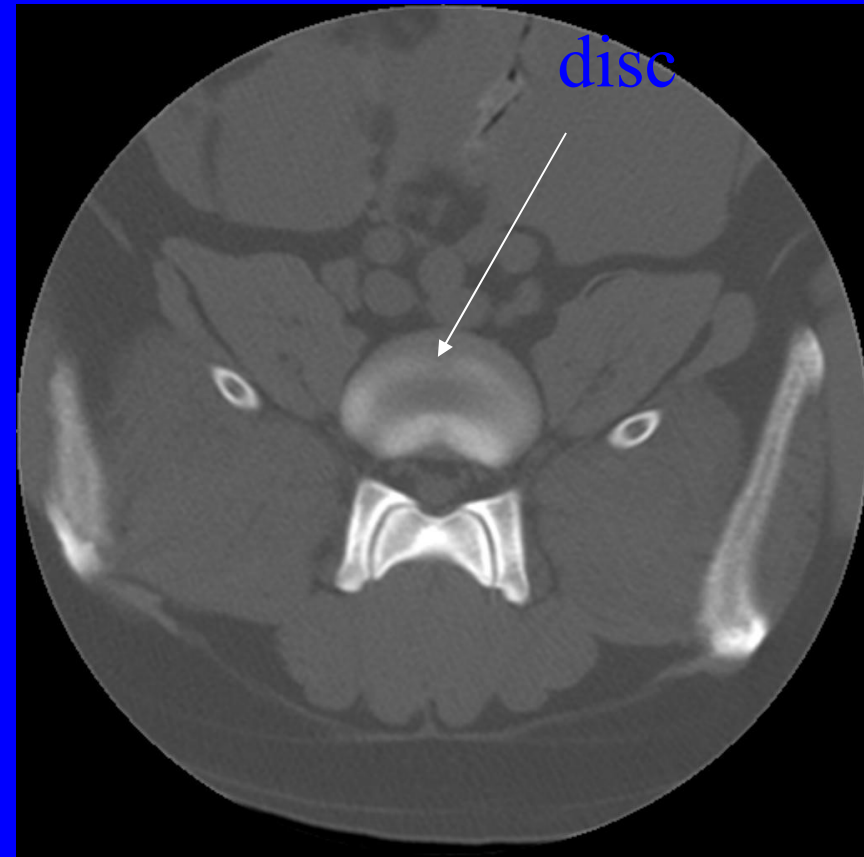
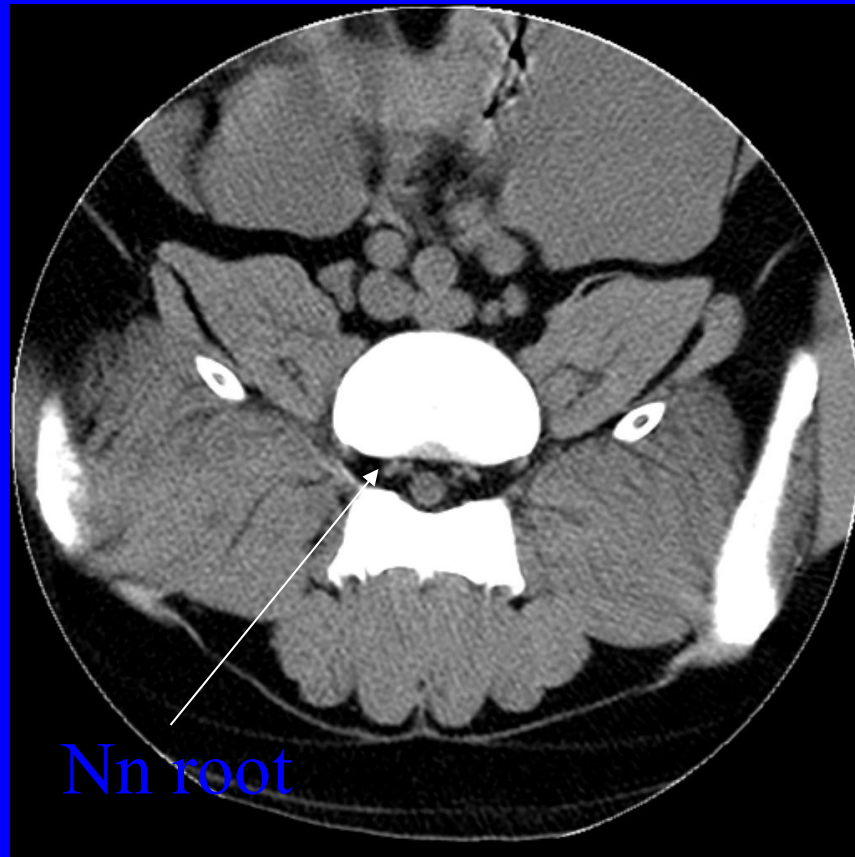
# CT anatomy of the vertebral column - L2-L3



# CT anatomy of the vertebral column - L3

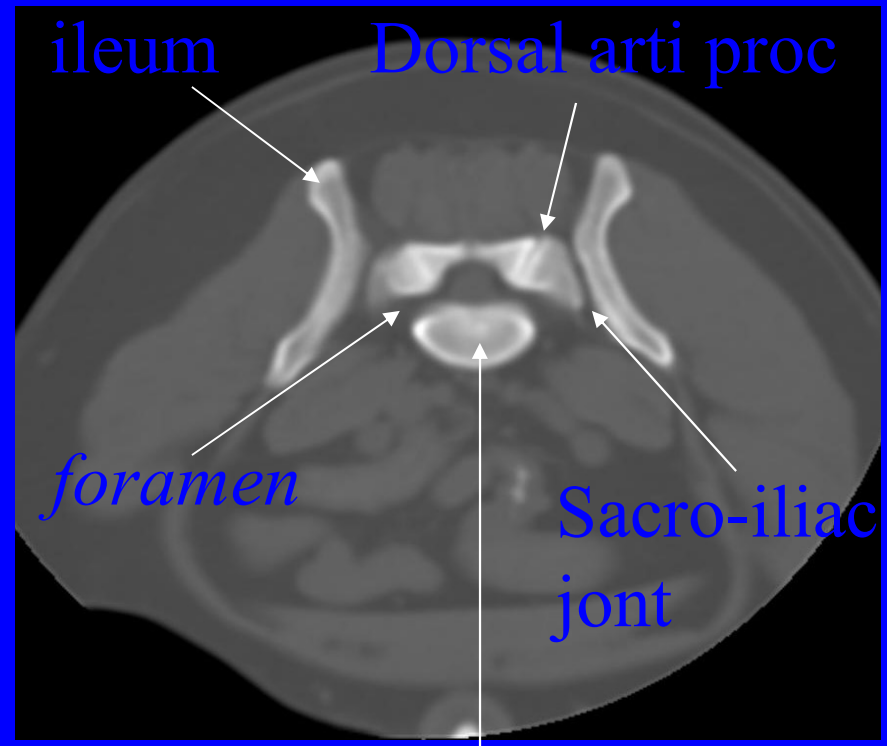
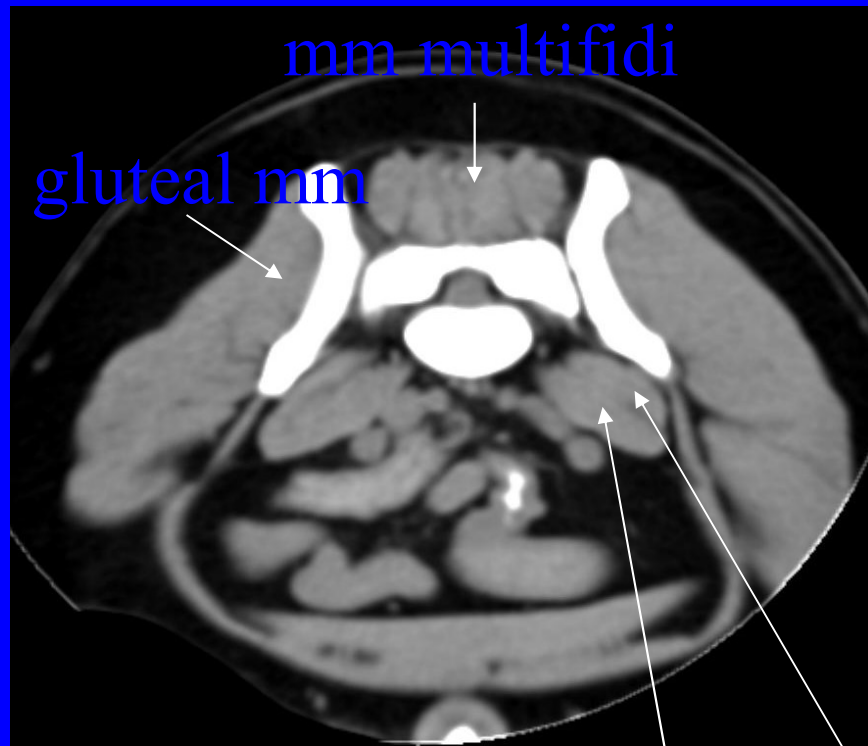


# CT anatomy of the vertebral column - L6-L7



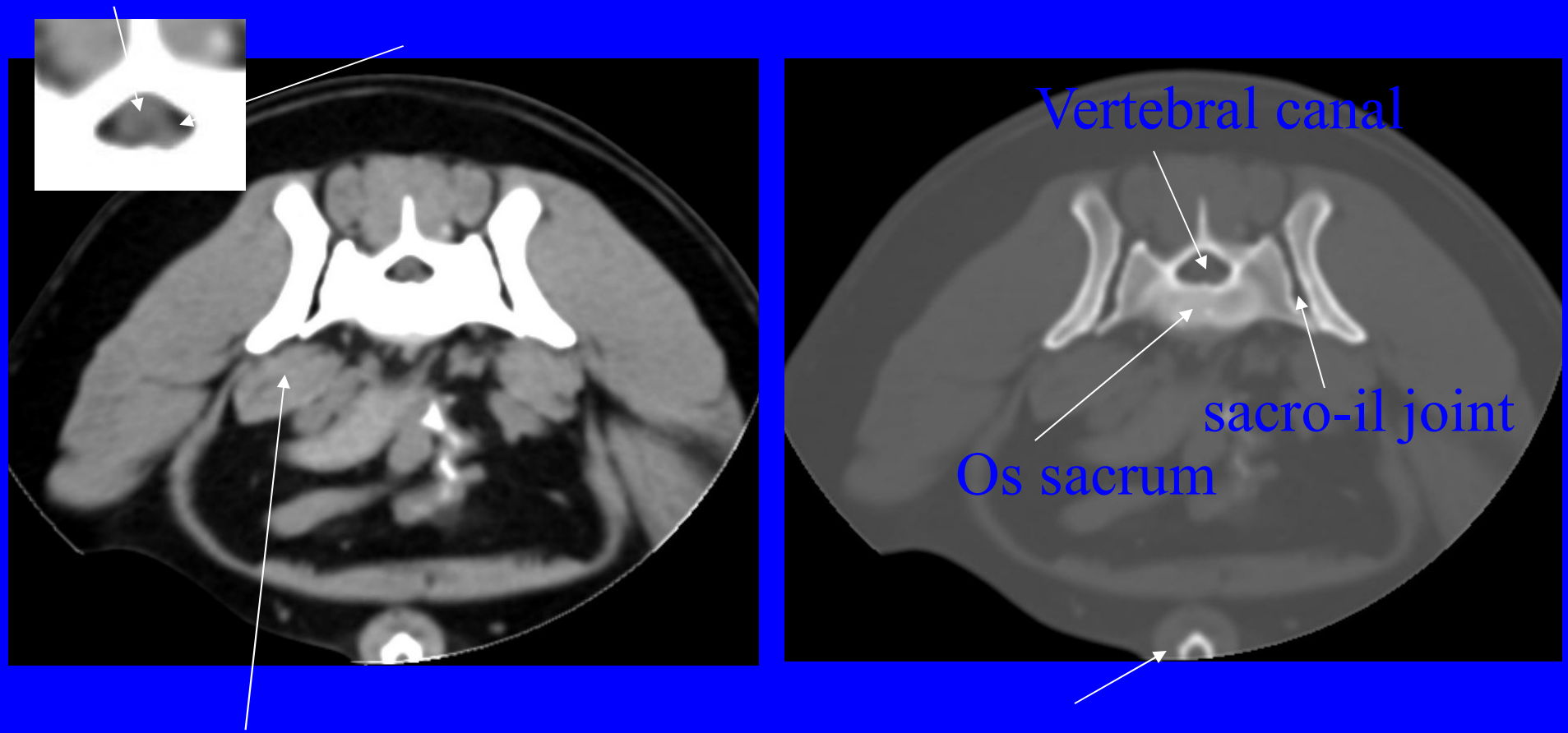


# CT anatomy of the vertebral column - L7-S1

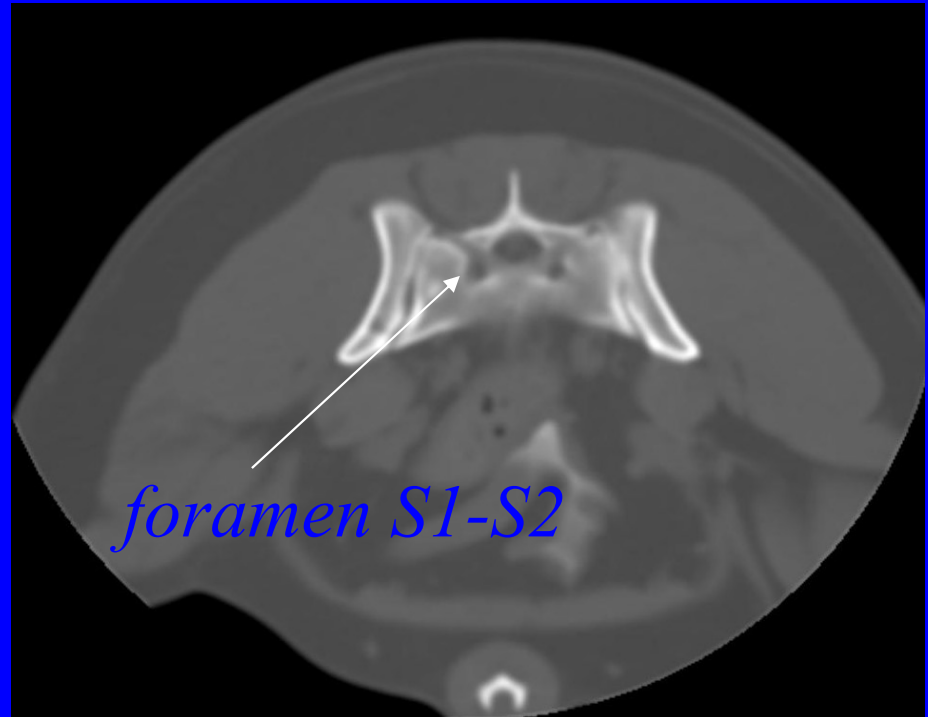




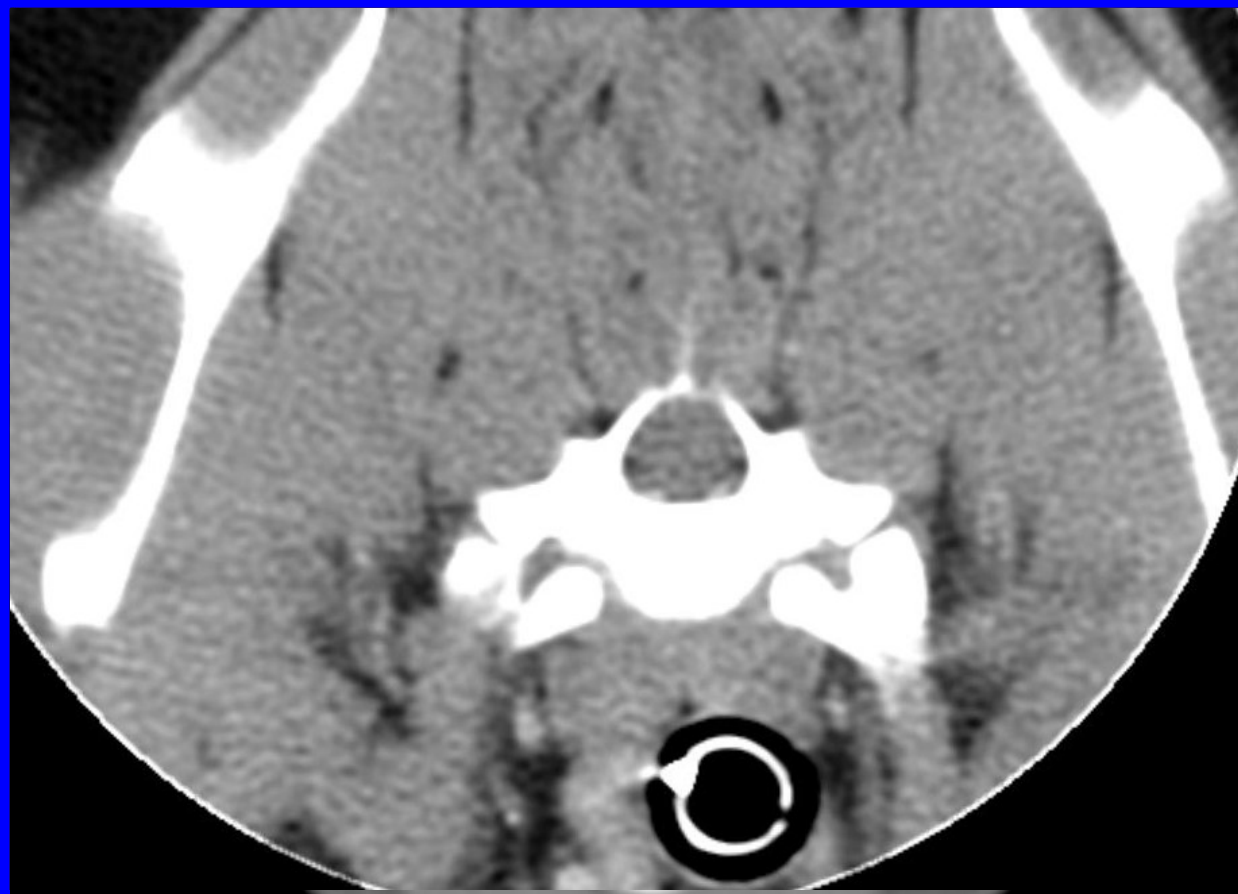
# CT anatomy of the vertebral column - S1



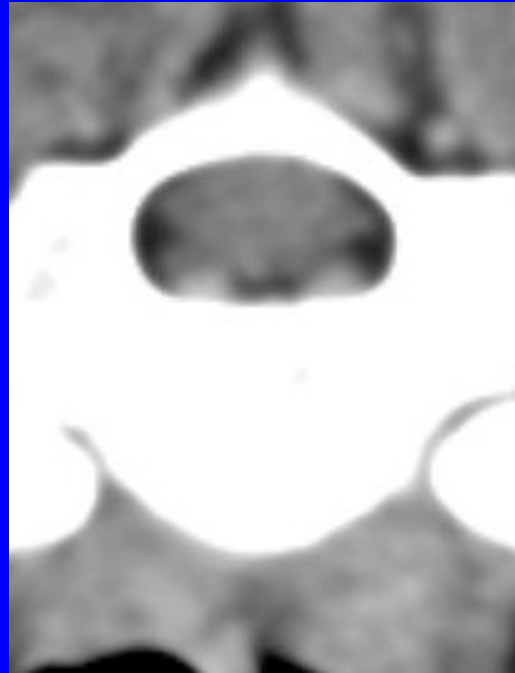
# CT anatomy of the vertebral column - S1-S2



# Vessels



# Vessels



# Diseases of the spine and spinal cord

- Congenital
- Degenerative
- Developmental
- Traumatic
- Neoplastic
- Inflammatory/Infectious

# Congenital

- Predisposed breed Bulldog, Pug, Boston Terrier, etc.
- Transitional Vertebra
- Scoliosis, kyphosis, lordosis
- Hemivertebra
- Butterfly Vertebra
- Spina bifida

# Transitional vertebra Dachhund

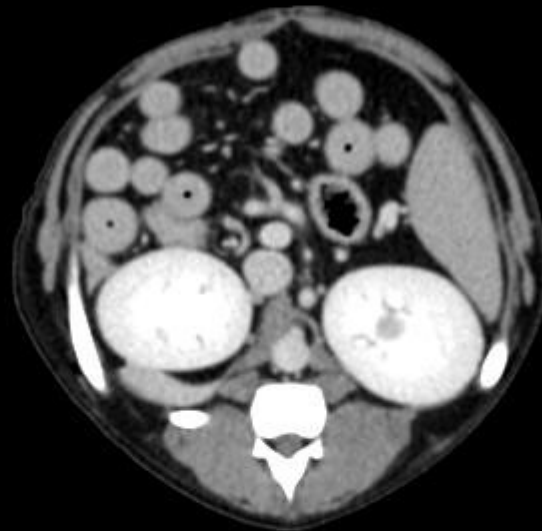
BrightSpeed  
Ex: 165  
DISCHI  
Se: 4/8  
Im: 337/520  
Ax: 167.0

ASSOCIAZIONE VETERINARIA PETCARE  
RANDIGHIERI WILLIAM  
2008 May 20 M ZEUS  
Acc:  
2014 May 23  
Acq Tm: 10:16:46.130913

512 x 512  
STANDARD

R

L



120.0 kV  
100.0 mA  
1.3 mm/1.0:1  
Tilt: 0.0  
0.9 s  
Lin:DCM / Lin:DCM / Id:ID  
W:350 L:40

P

DFOV: 22.9 x 22.9cm

R



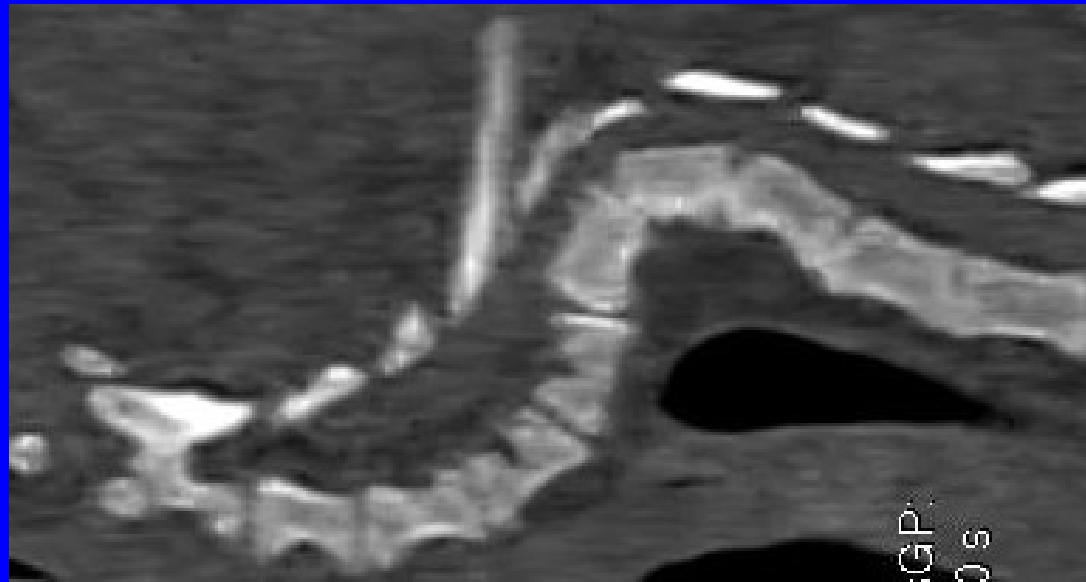
R



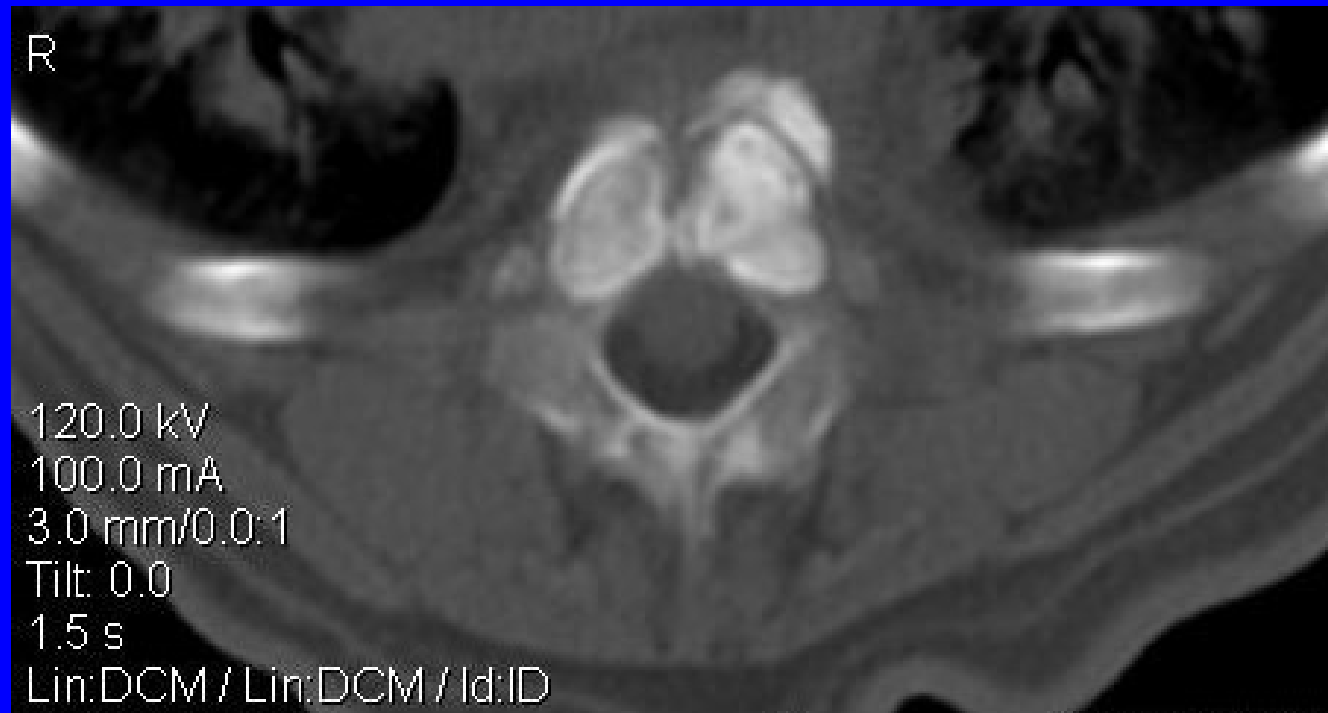
L



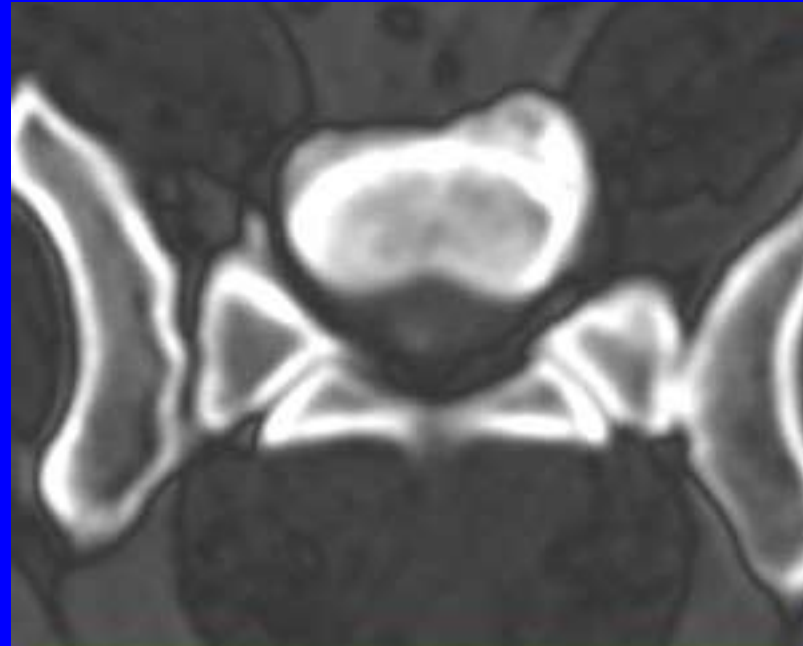
# Kyphosis



# Butterfly Vertebra



# Degenerative spondilosis



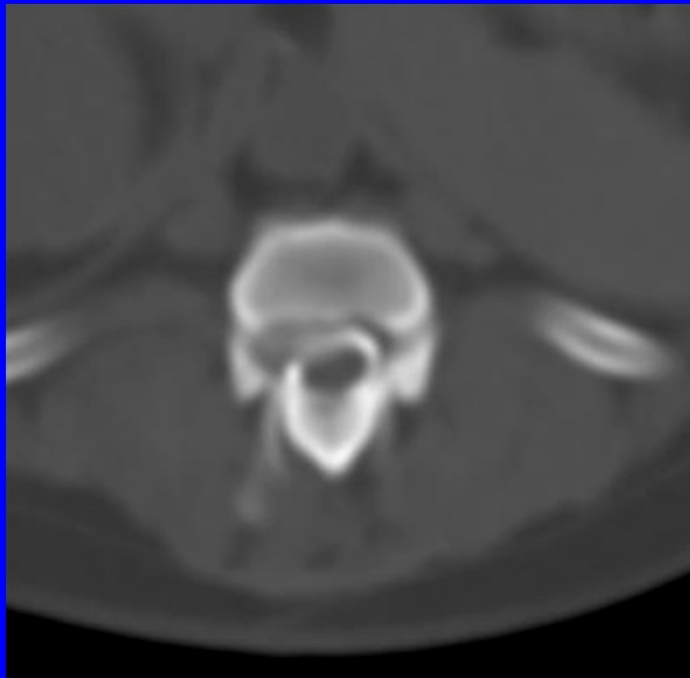
# Degenerative

boxf10y – stenosis of the foramina



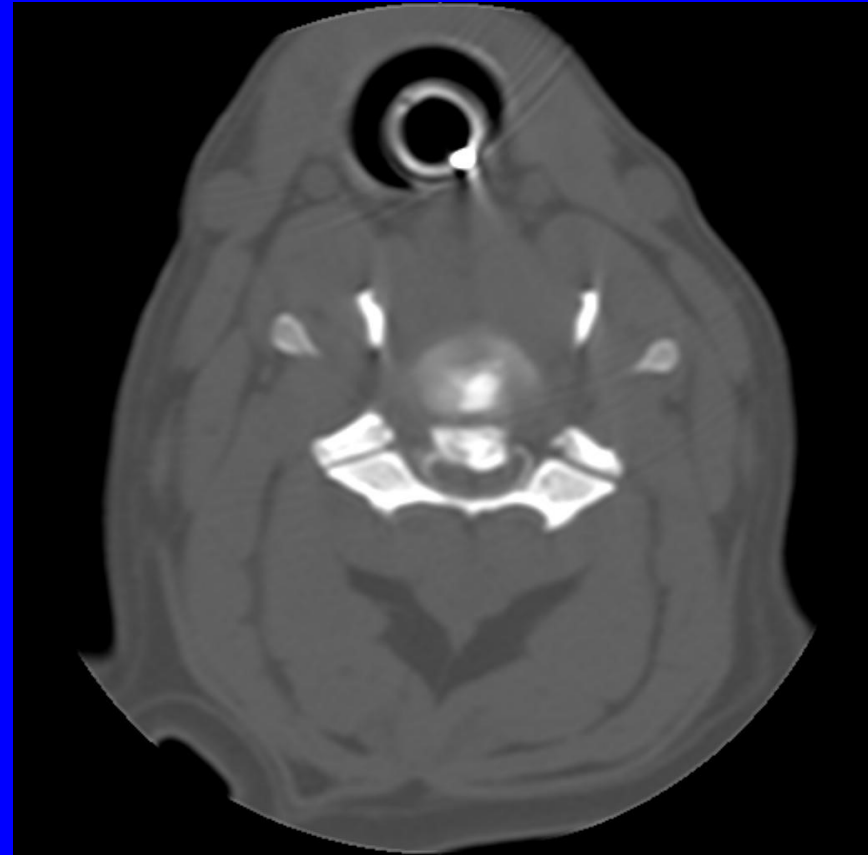
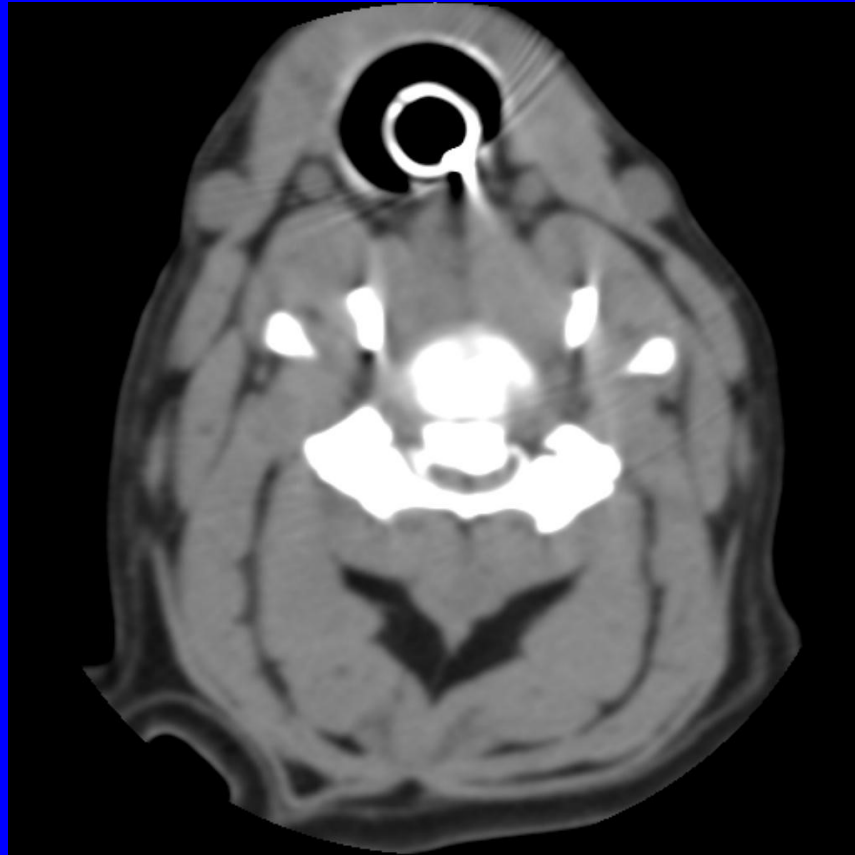
# Disc herniation

T12-13



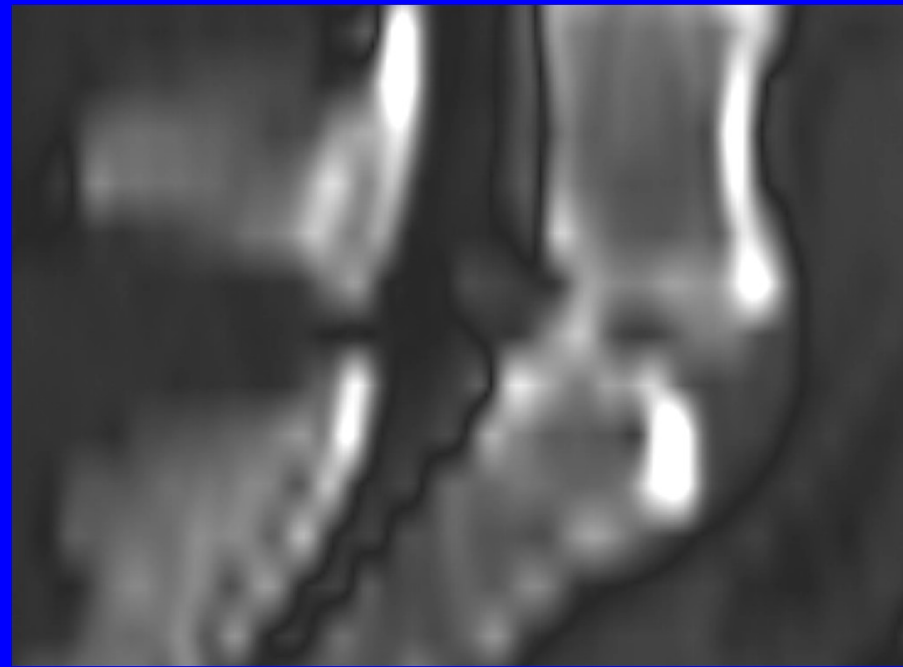
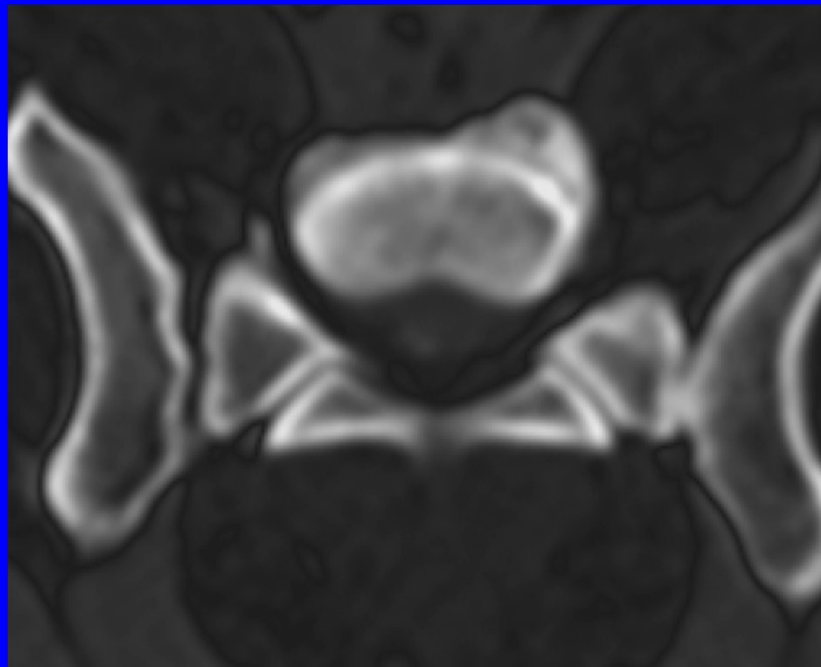
# Disc herniation

C3-C4



# Disc herniation L7-S1

SCOTM12Y

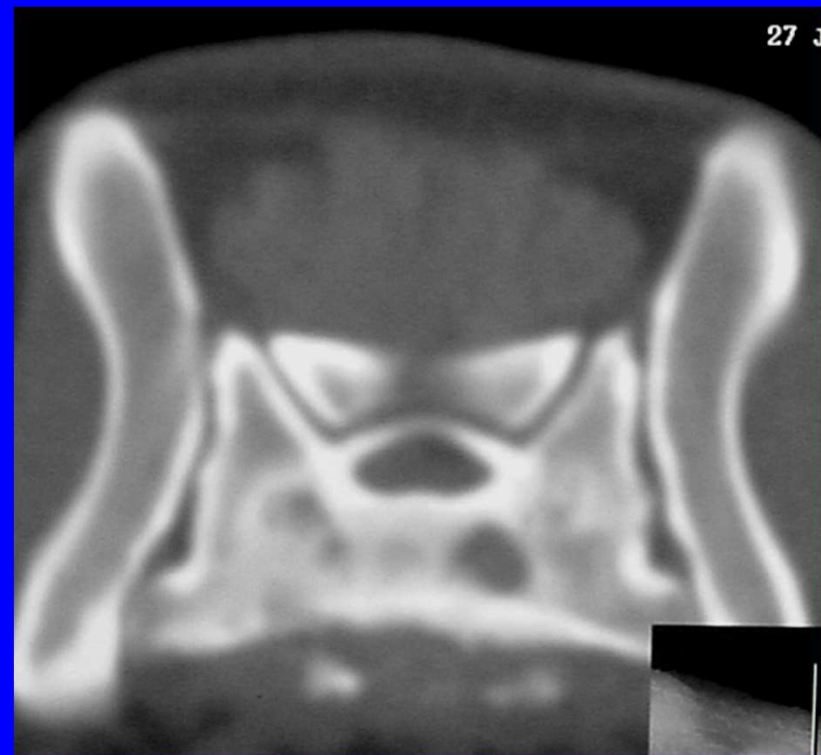
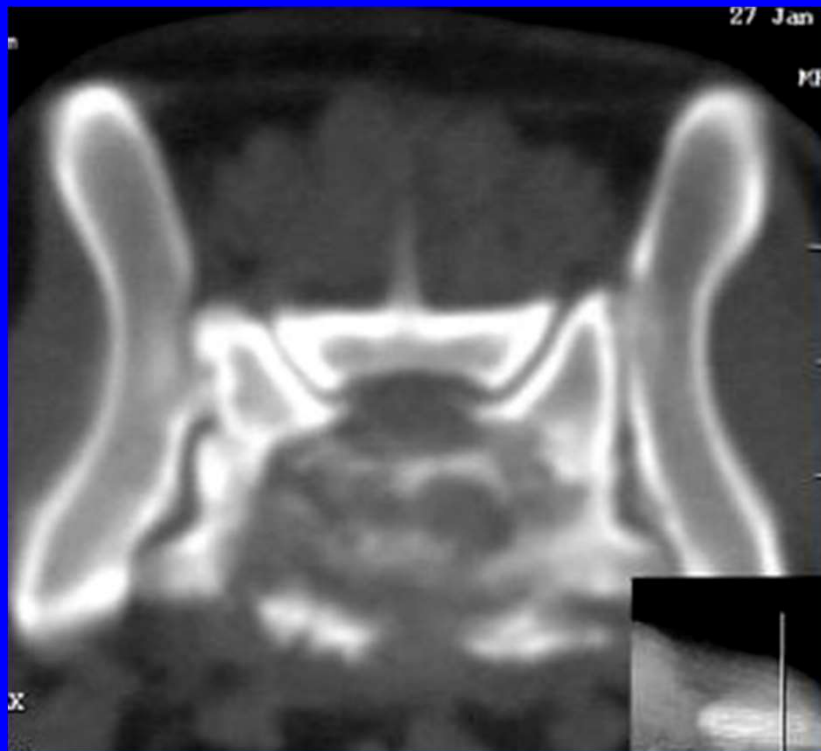


# OCD os sacrum



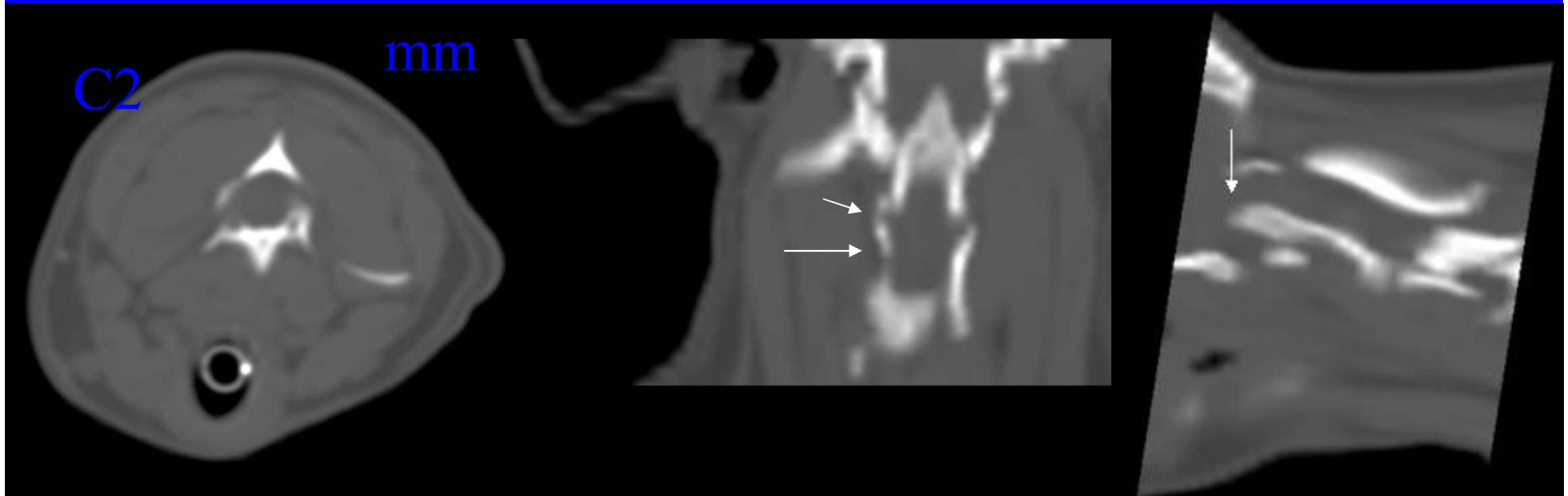


# Discospondylitis

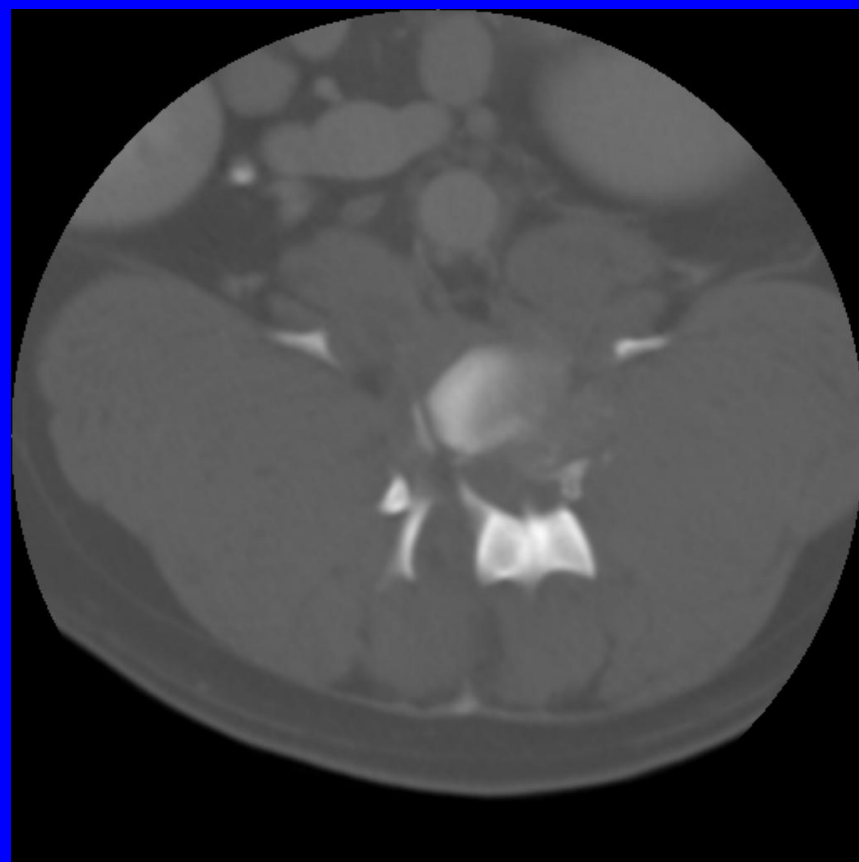


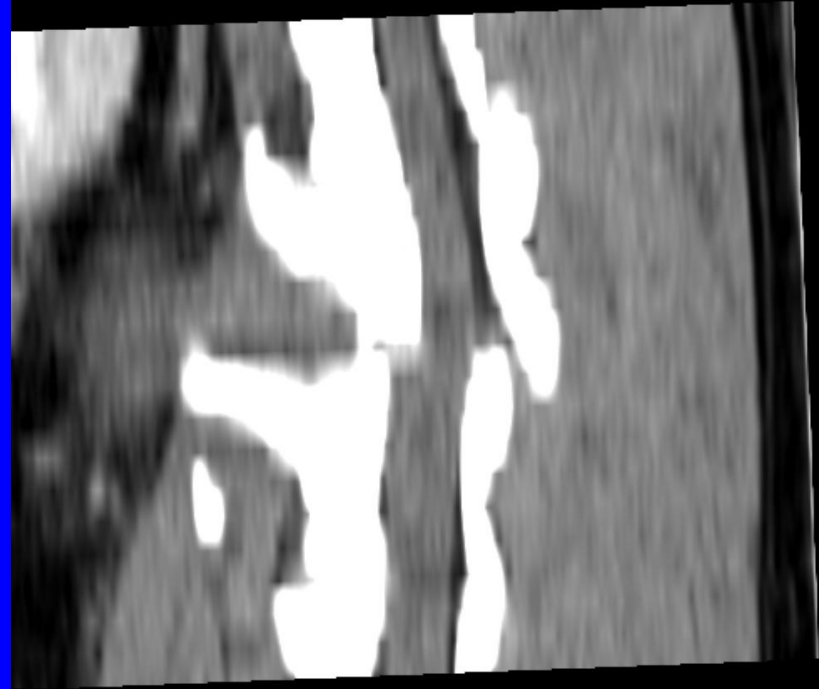
# Trauma

malm8m

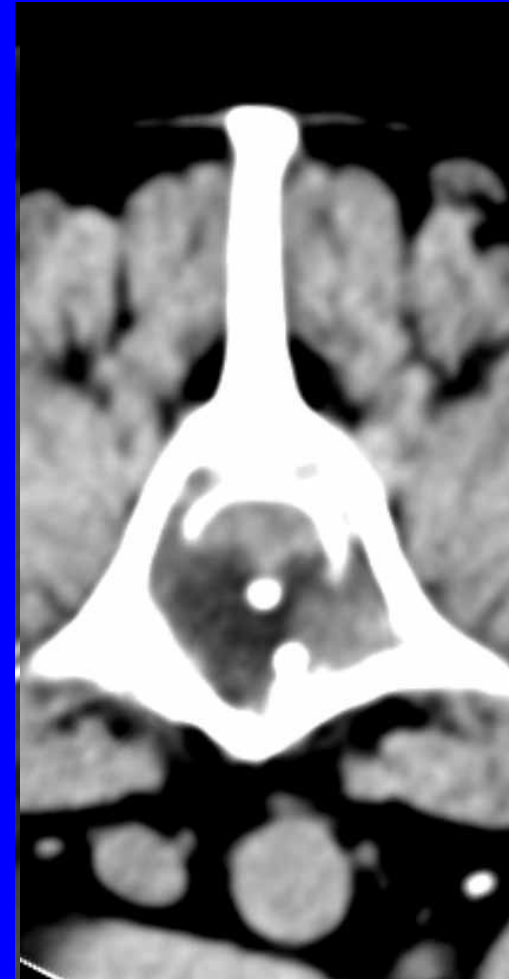
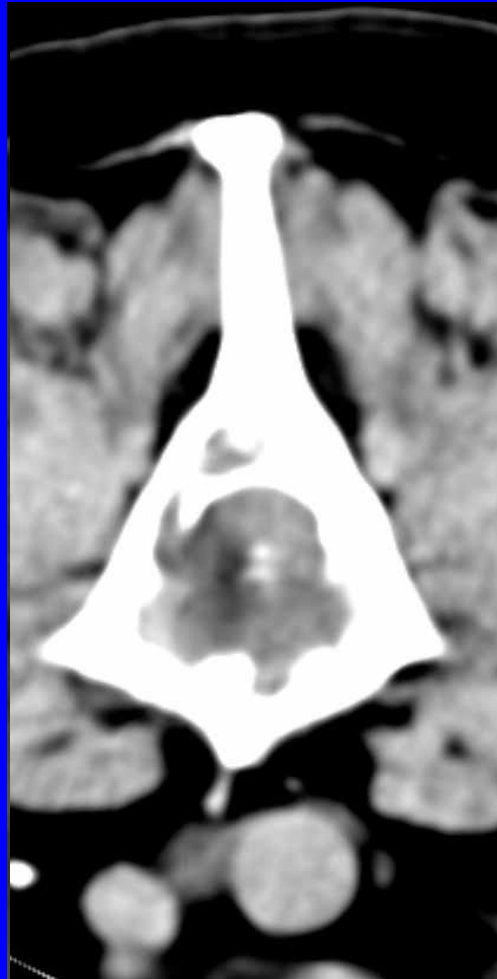
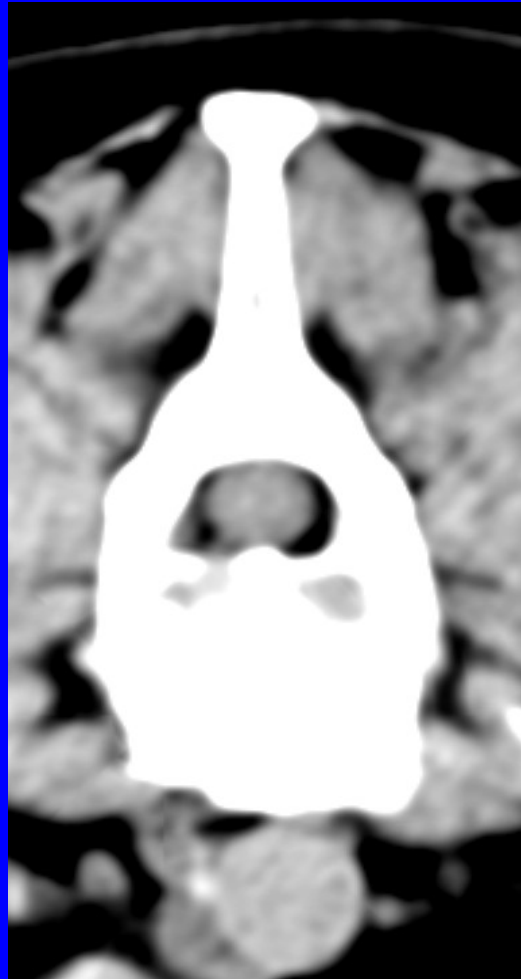


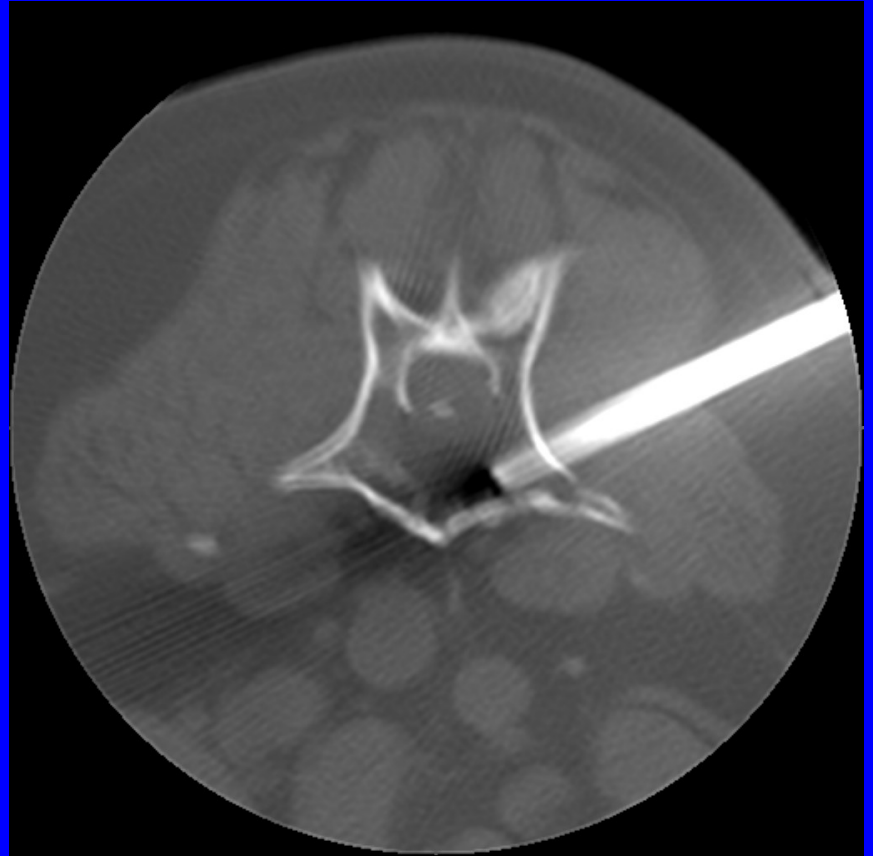
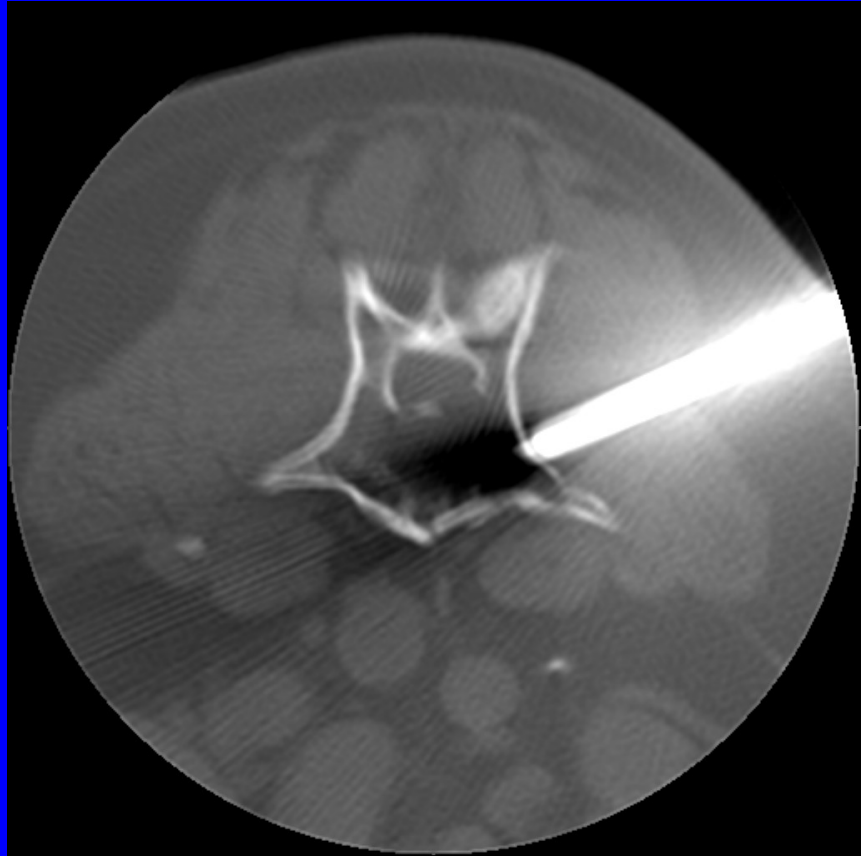
# Trauma fx-lux L2-L3 dogoarg



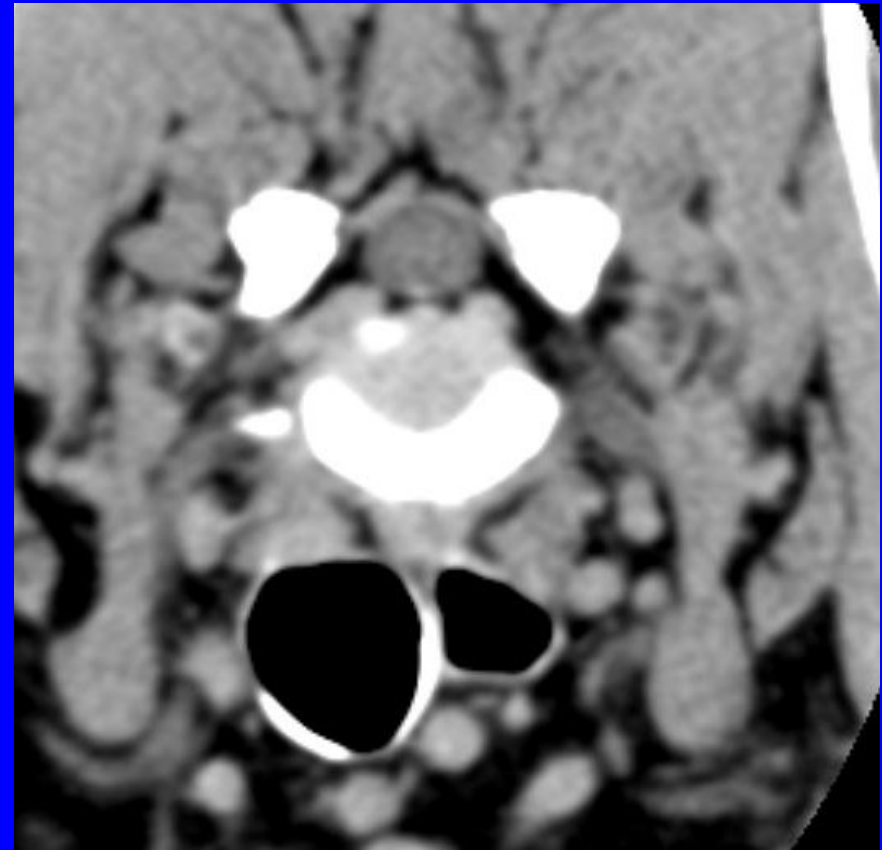
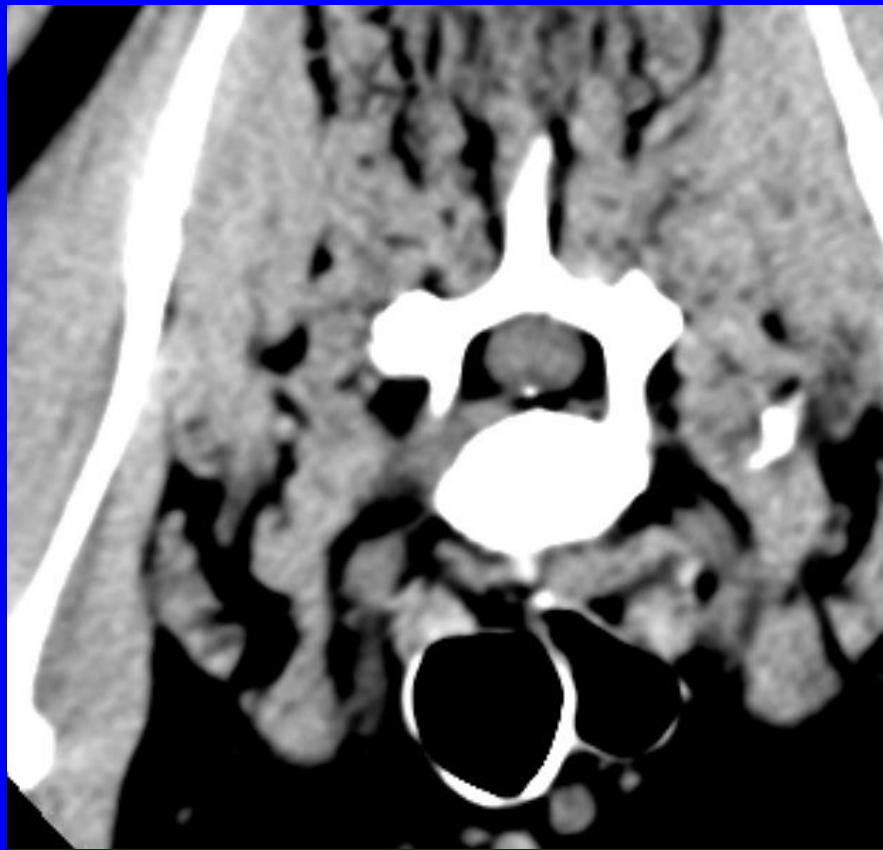


# Multiple Myeloma - Leishmania

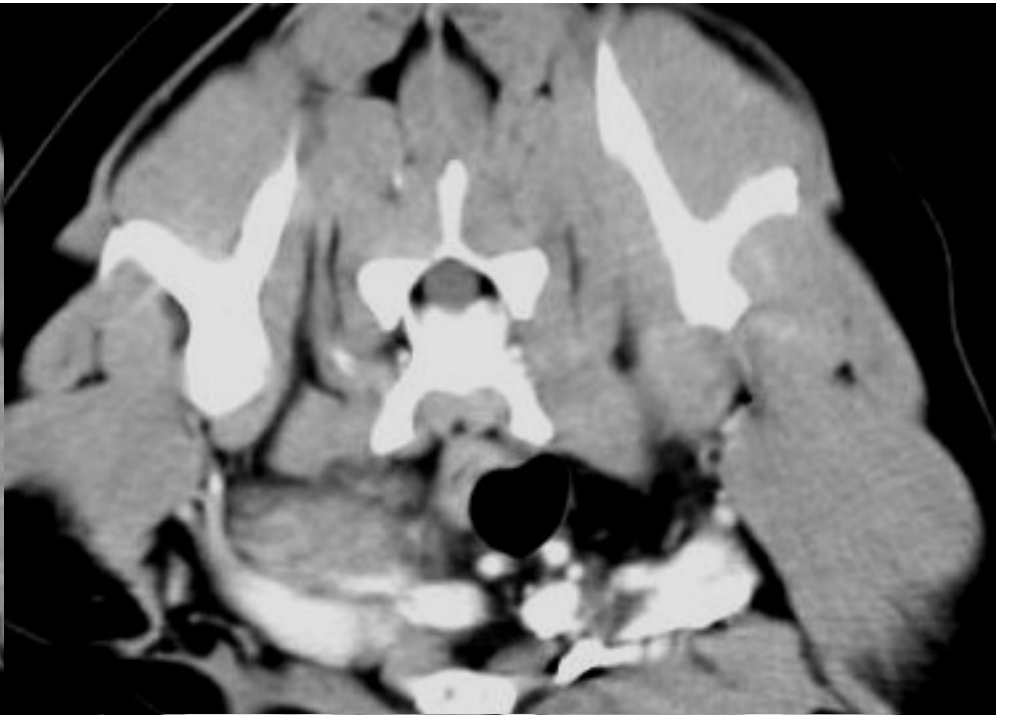
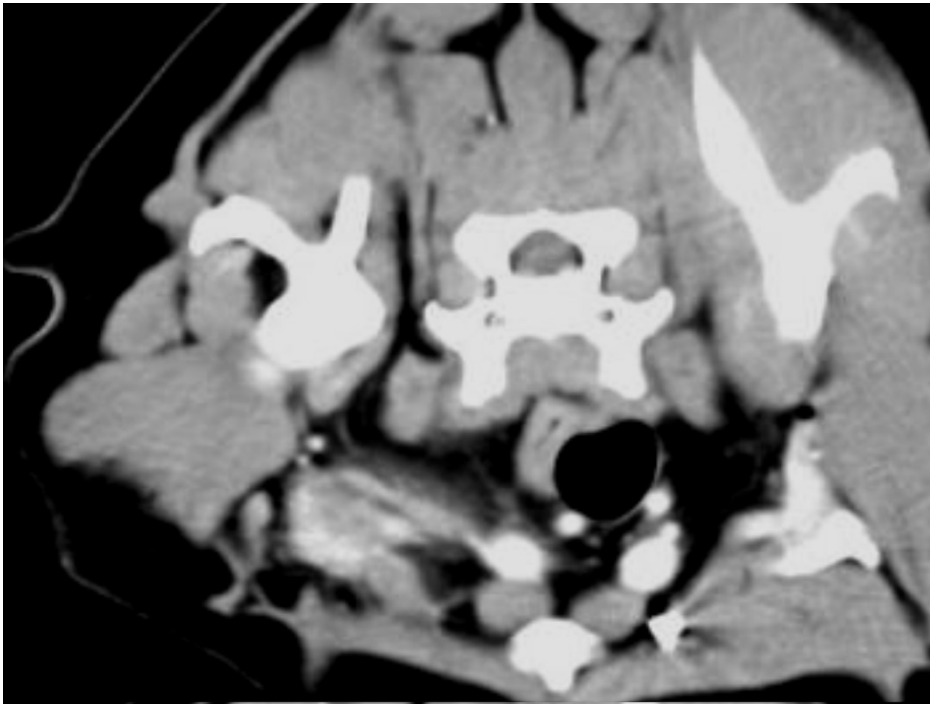




# Schwannoma mixf >10y

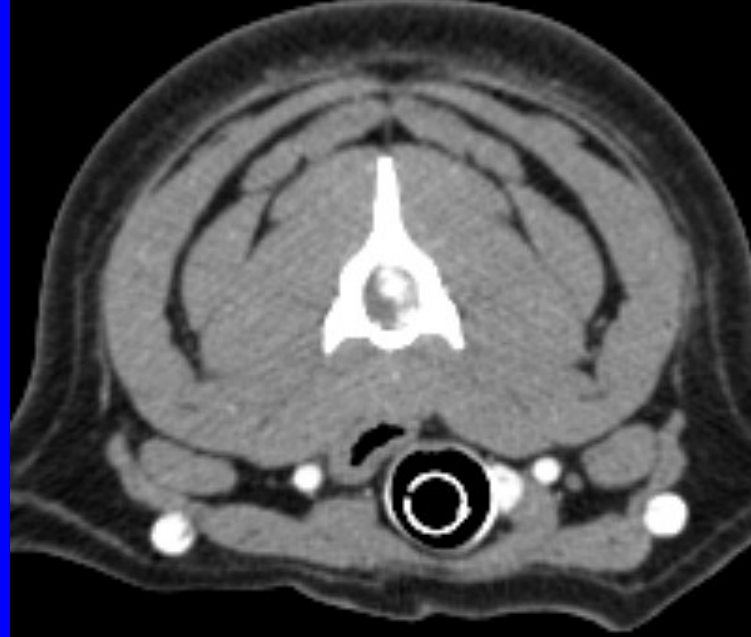
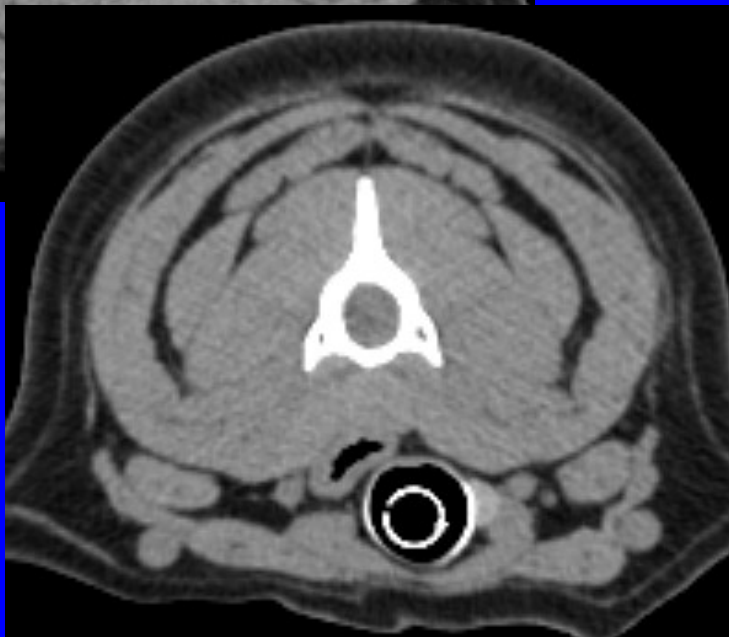
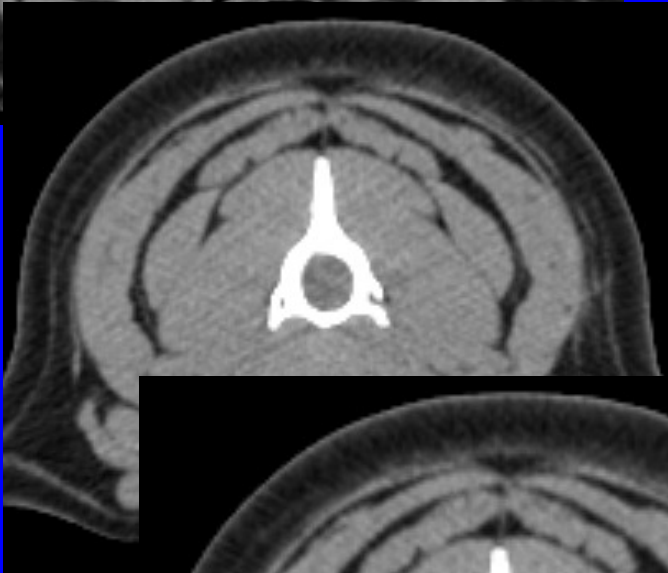


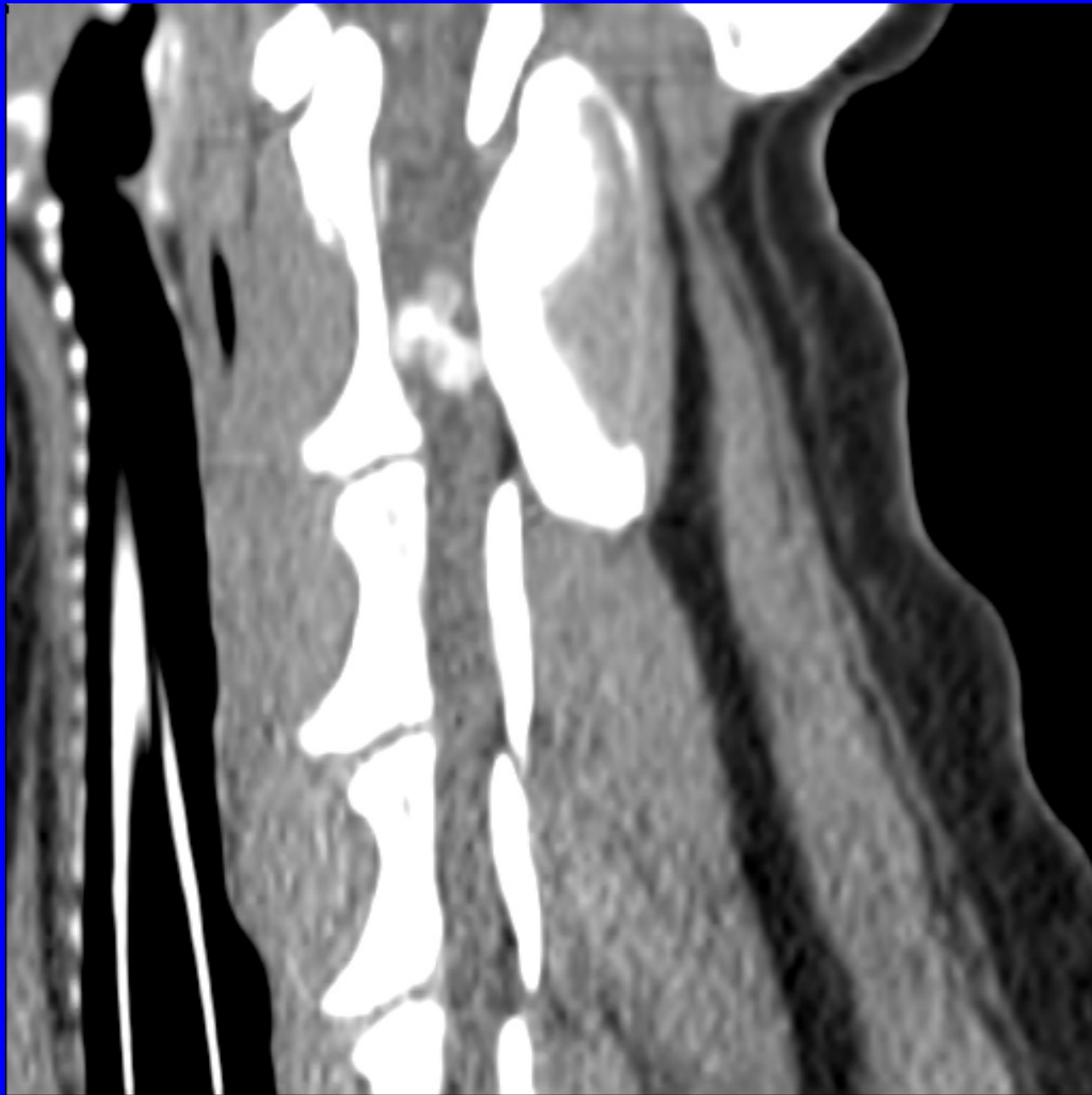






**Meningioma**



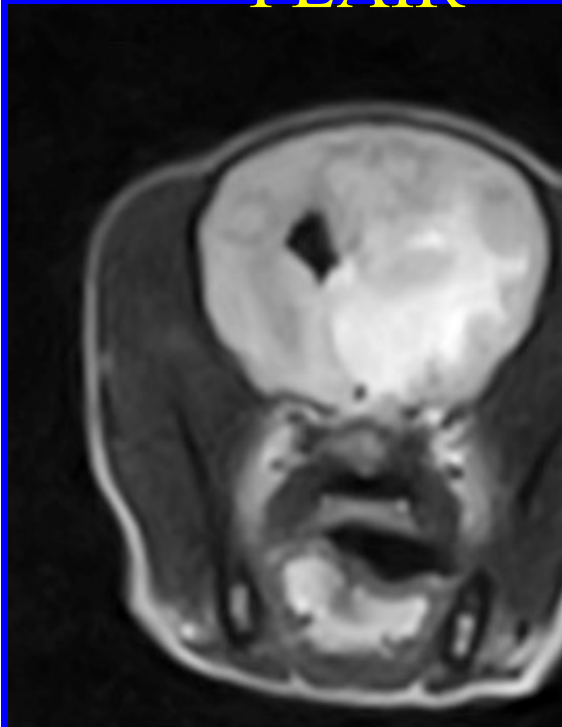


**Risonanza Magnetica (T2)– Ernia Discale**

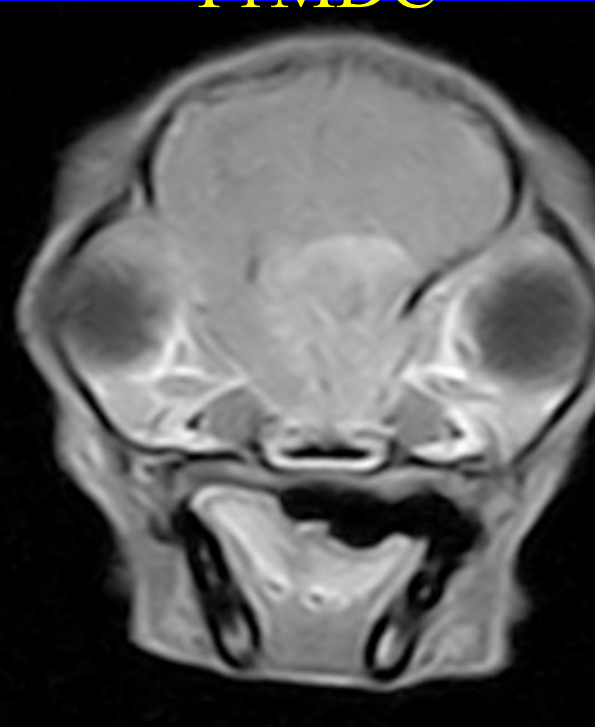


# Risonanza Magnetica – Neoplasia intra-assiale (Glioma)

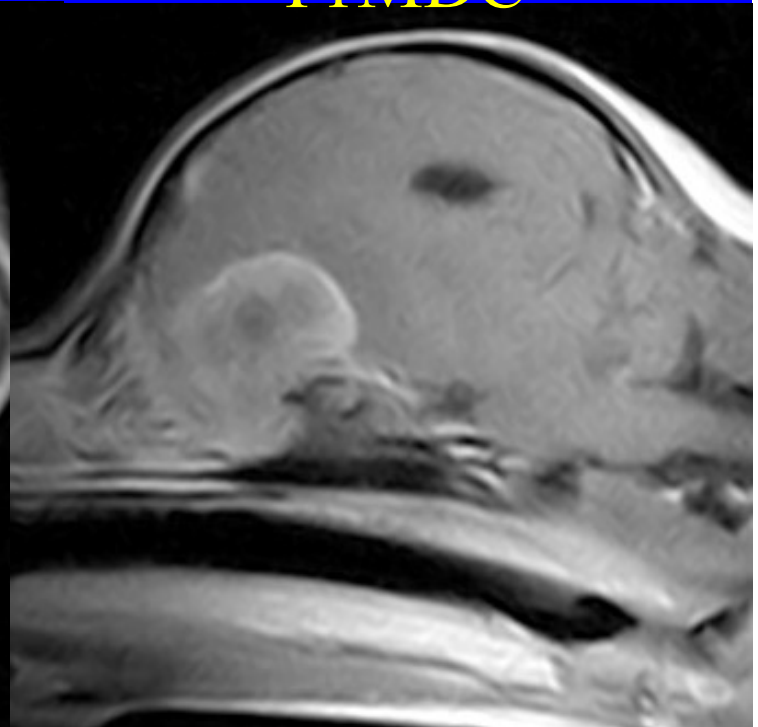
FLAIR



T1MDC



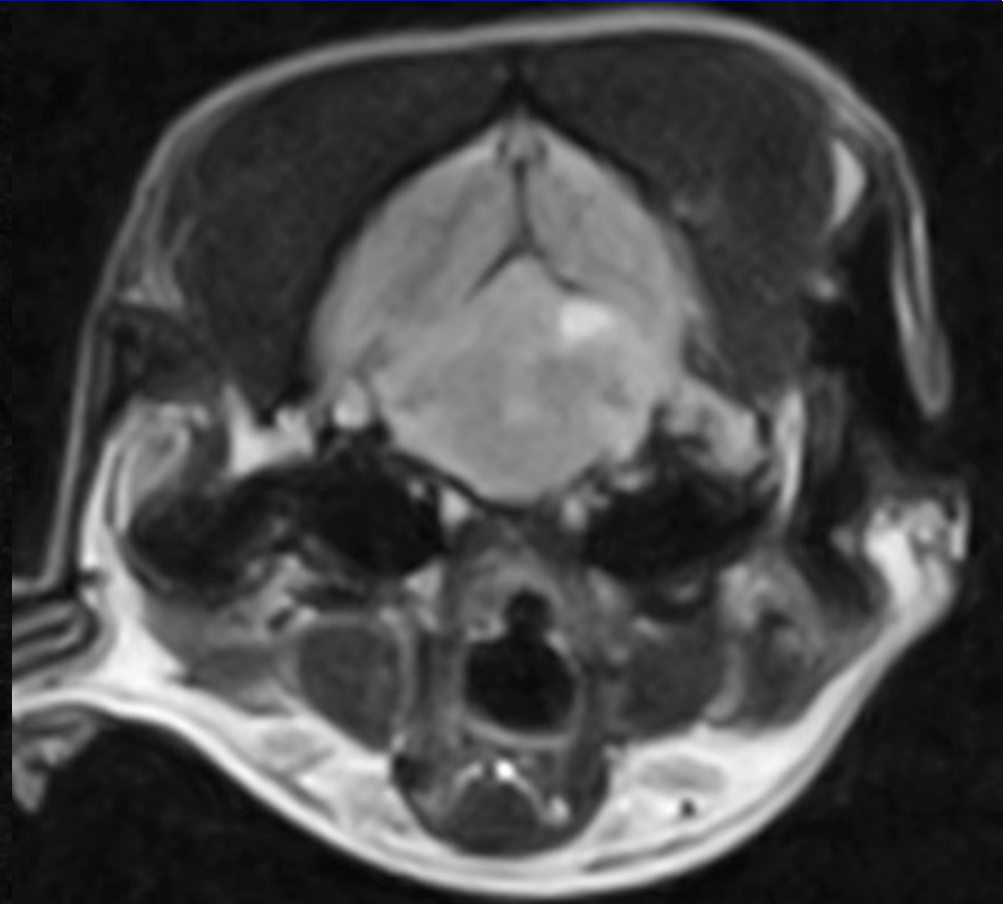
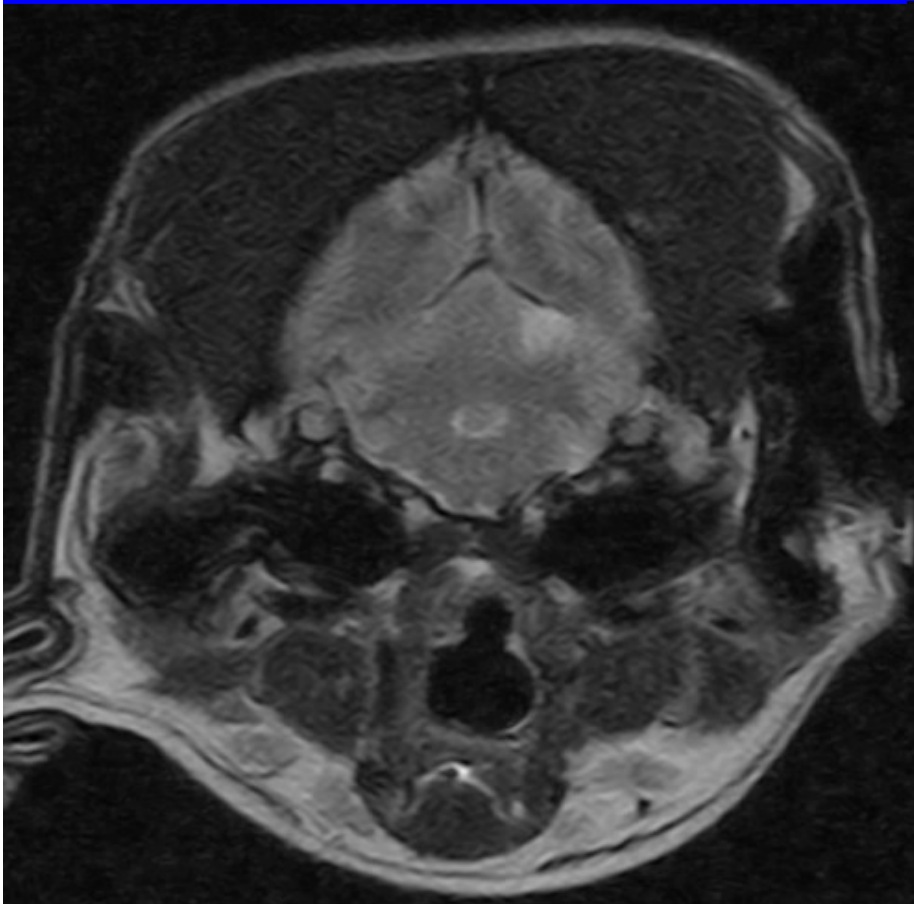
T1MDC



# Risonanza Magnetica – Infarto Cerebellare

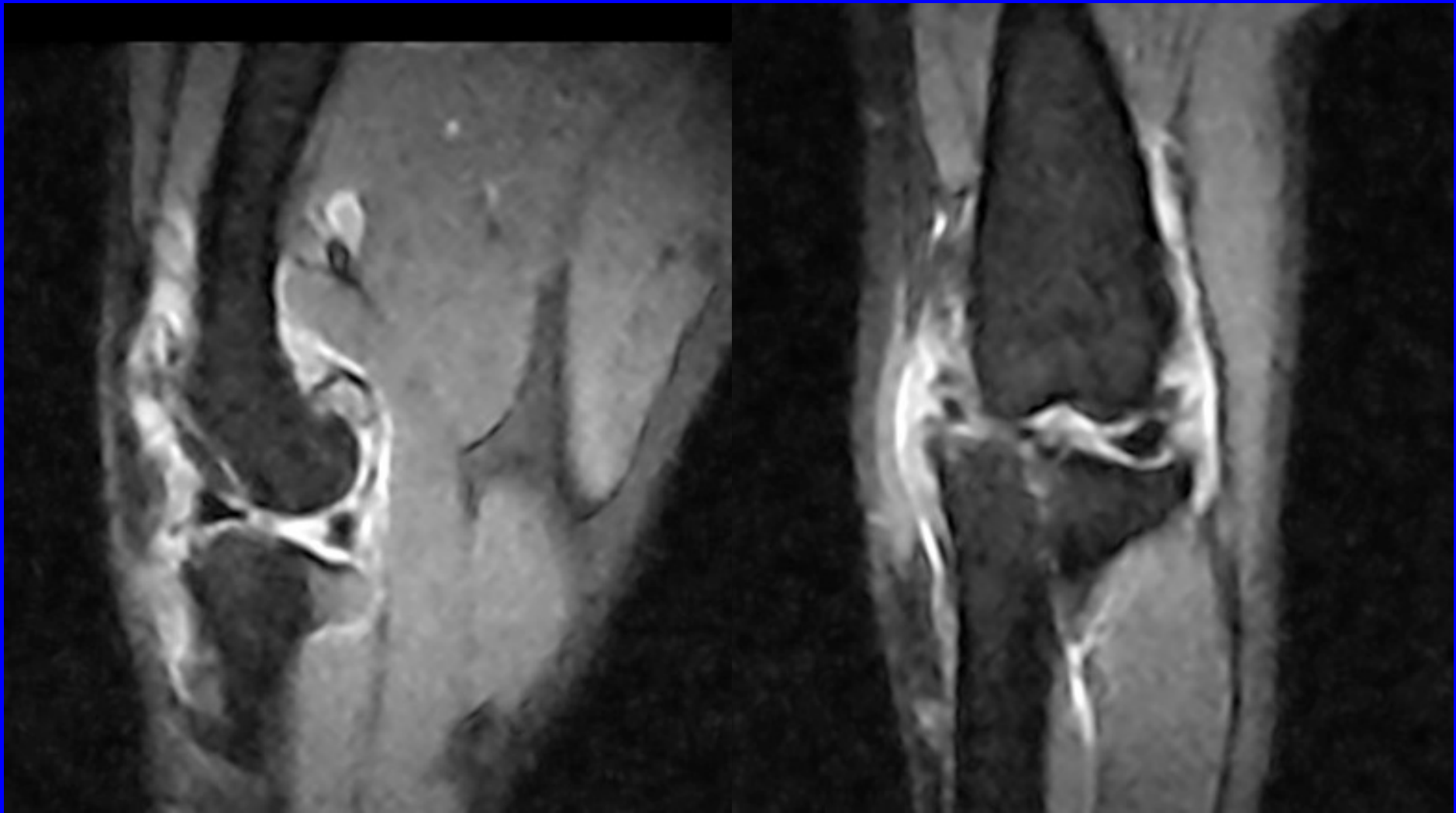
T2

FLAIR





**Risonanza Magnetica – Rottura legamento crociato e menisco**  
**STIR**



# Risonanza Magnetica Funzionale (fMRI)

