



UCLouvain

Secteur des Sciences de la santé
Faculté de Médecine
Cours WMDS1311 ANAT (BAC3)
Année académique 2021-2022

21 octobre 2021

Neuroanatomie radiologique

Pr. Thierry DUPREZ



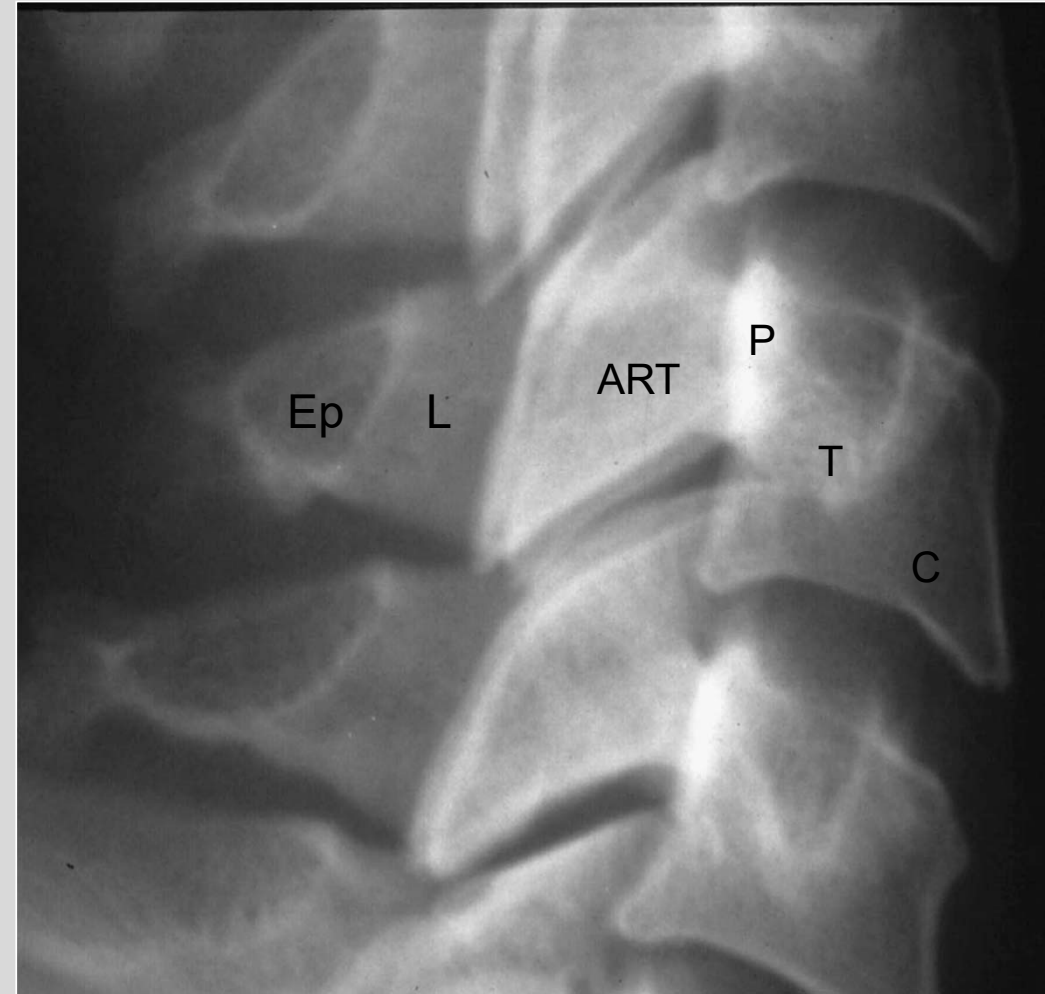
Avec la collaboration du Professeur Frédéric Lecouvet

Module 8: anatomie du rachis



Radiologie conventionnelle segment cervical

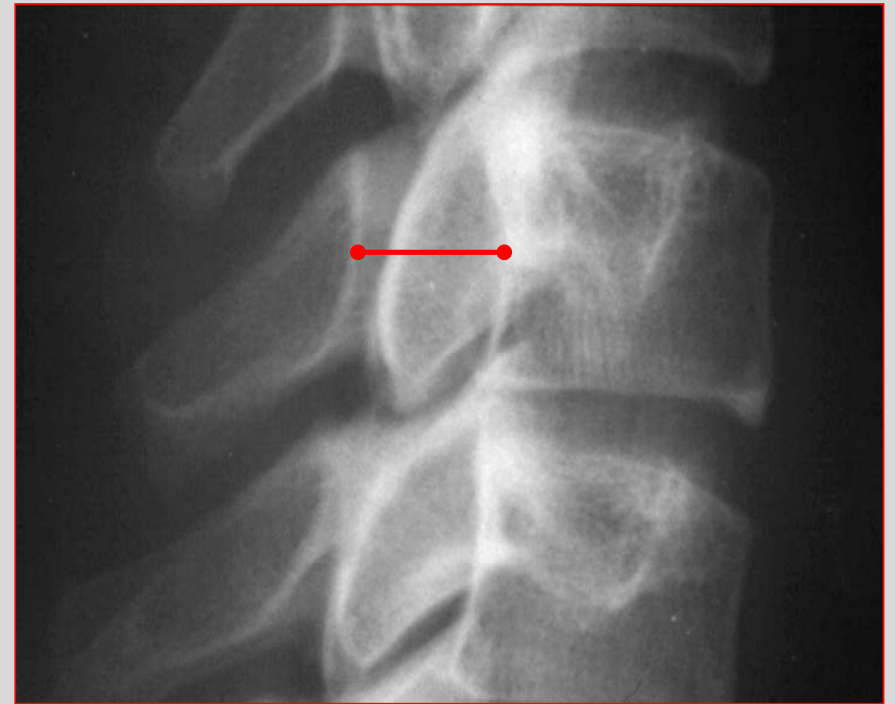
Incidence de profil



Diamètre canalaire



Canal 'large'



Canal 'étroit'

Subluxation





Incidence de face



Extension

Epreuve
'dynamique'

Flexion



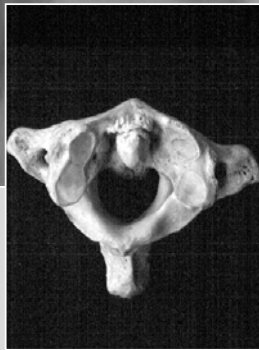
Sujet
normal



C1 C2 en Flexion

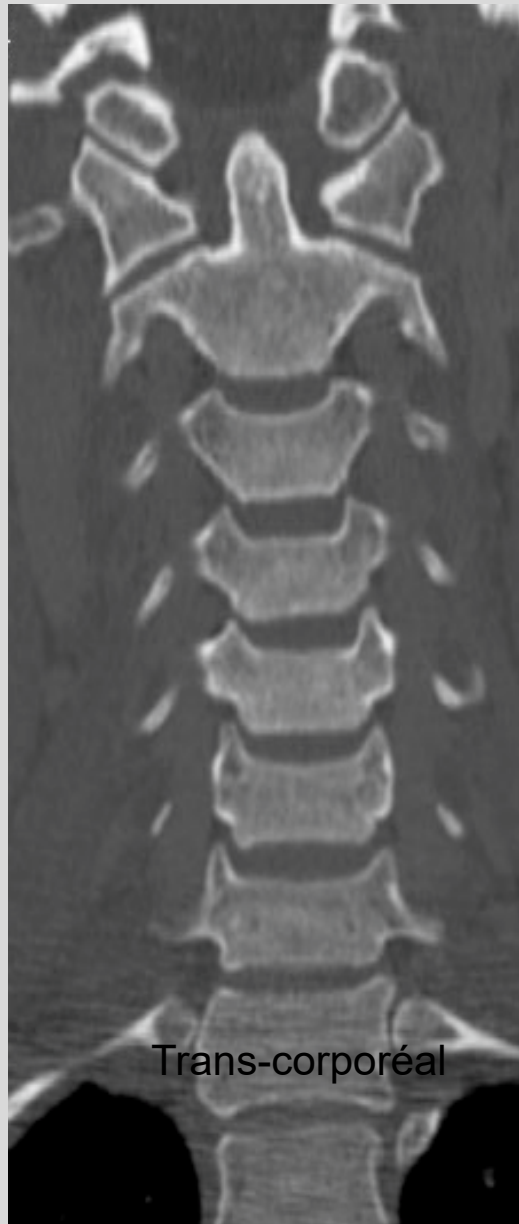


Sujet
normal



Instabilité C1 C2





CT scanner
hélicoïdal

incidence
coronale



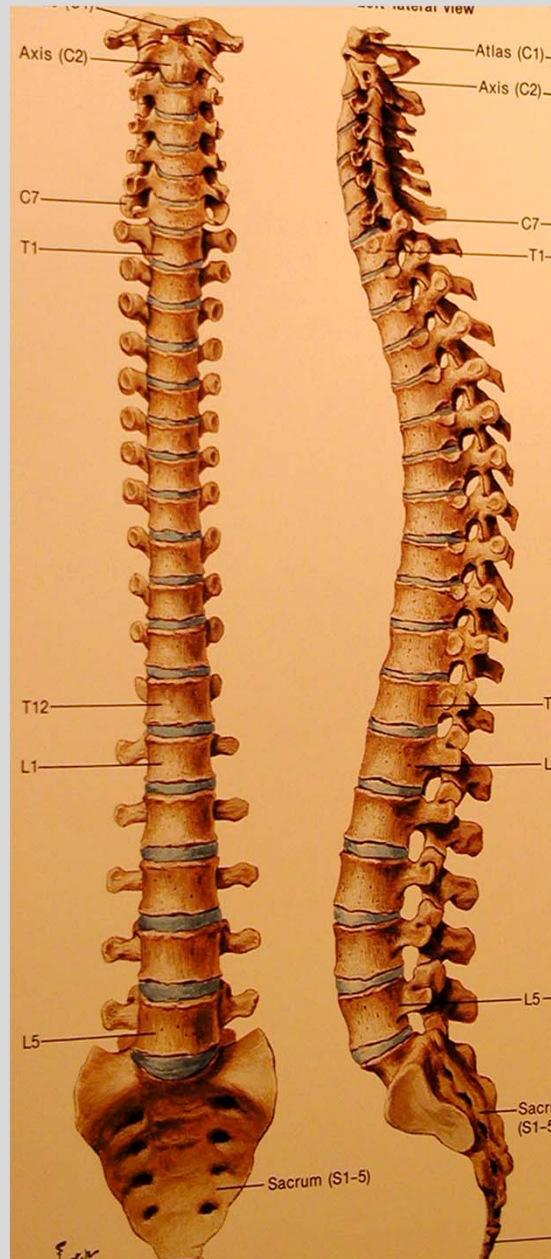
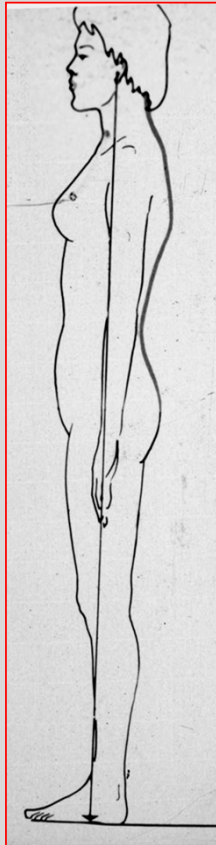


CT scanner
hélicoïdal

incidence
sagittale



Radiologie conventionnelle segment dorsal



Lordose cervicale

Cyphose dorsale

Lordose lombaire

**Courbures
physiologiques**



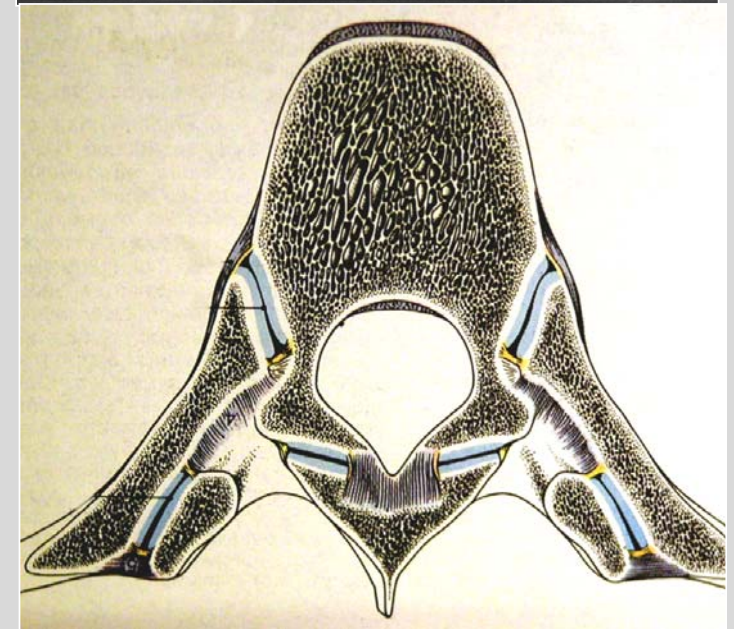
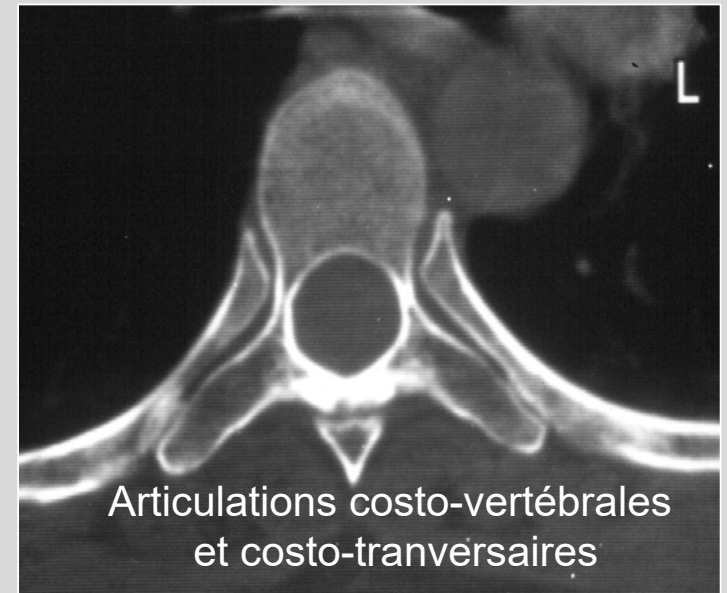
Rachis dorsal ou thoracique

...surprojections

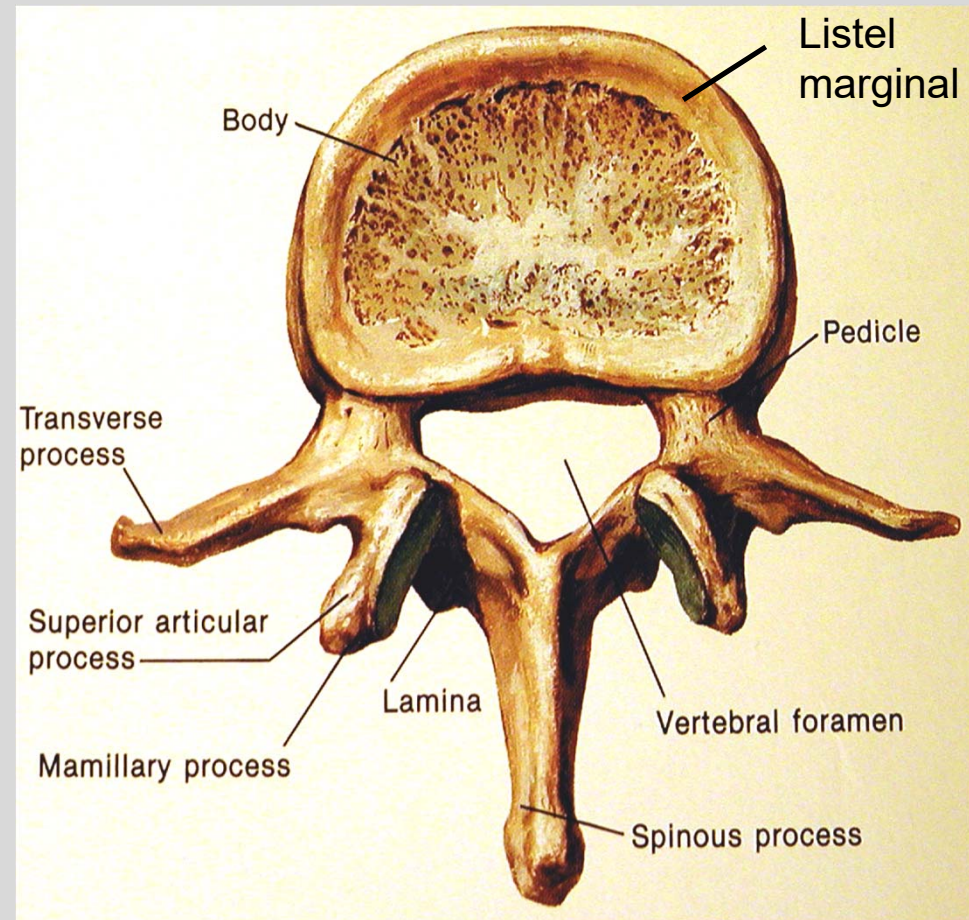
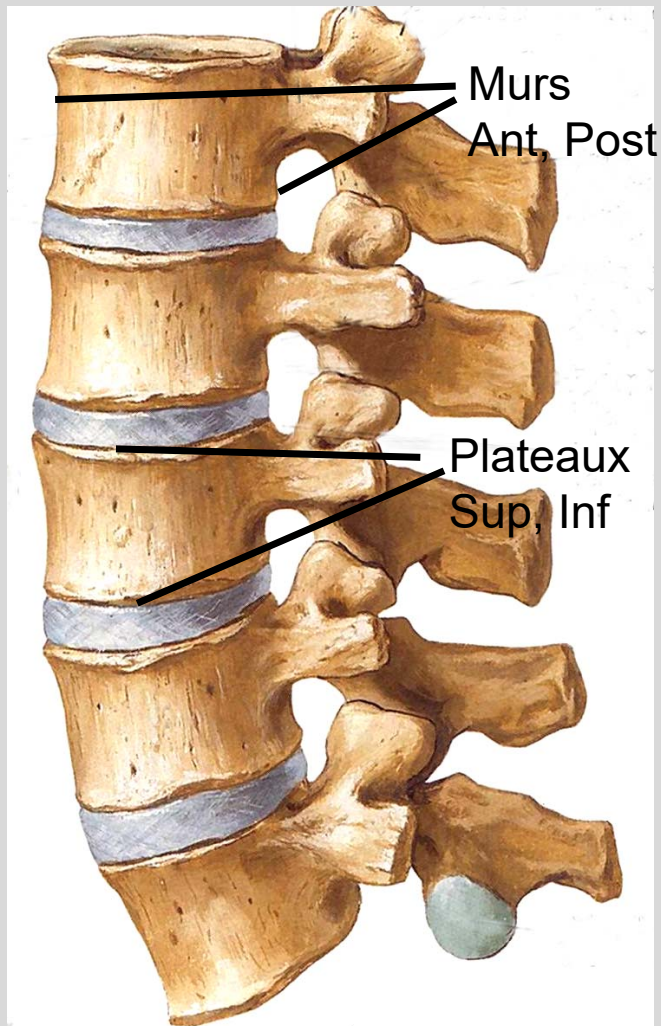


Côtes
Poumons

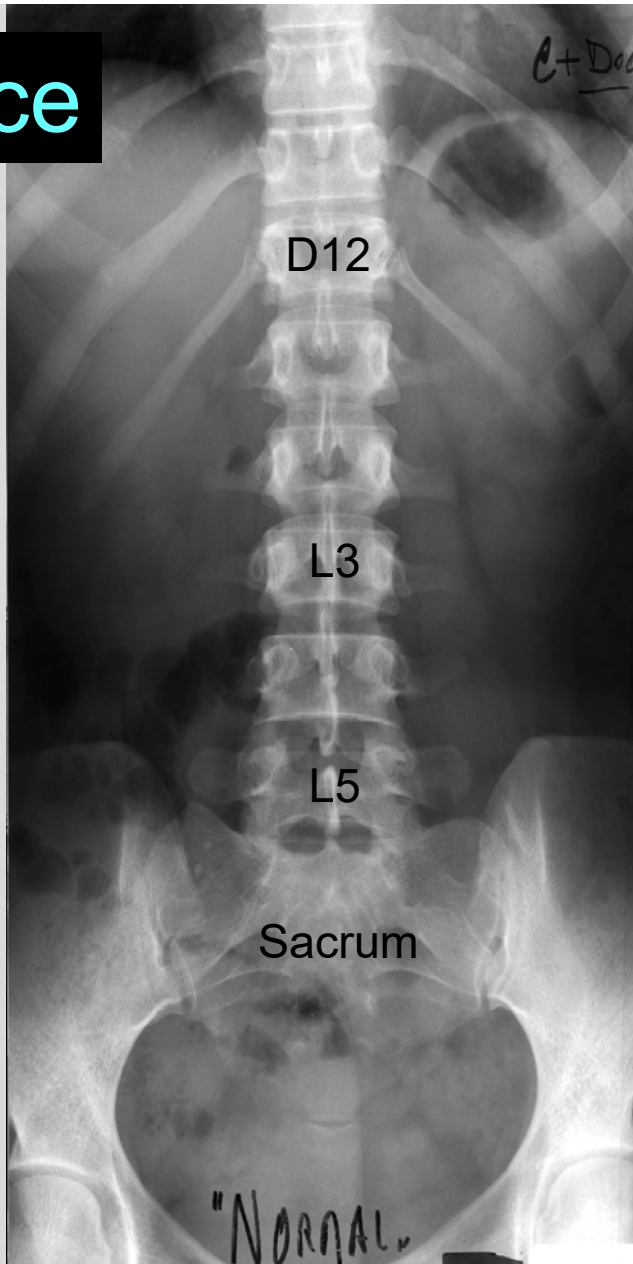
Moins mobile
→ Disques
moins épais



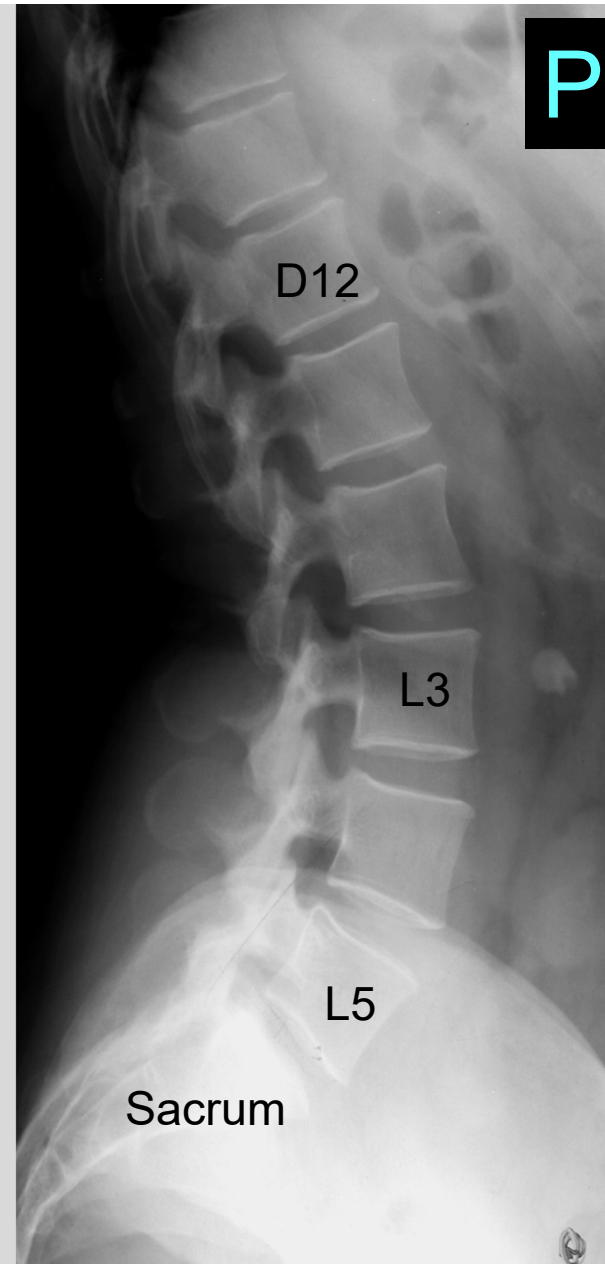
**Rachis Lombaire
+
charnière lombosacrée**

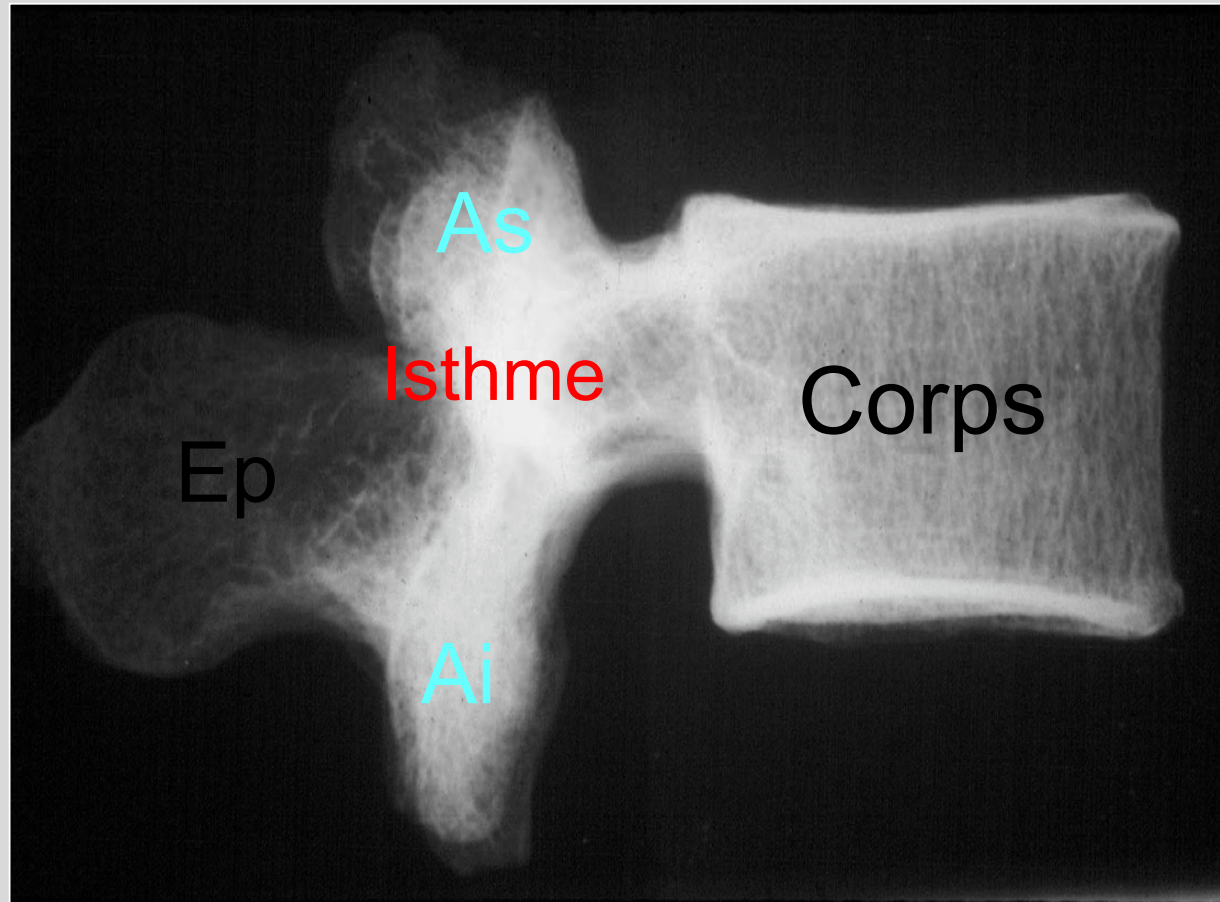


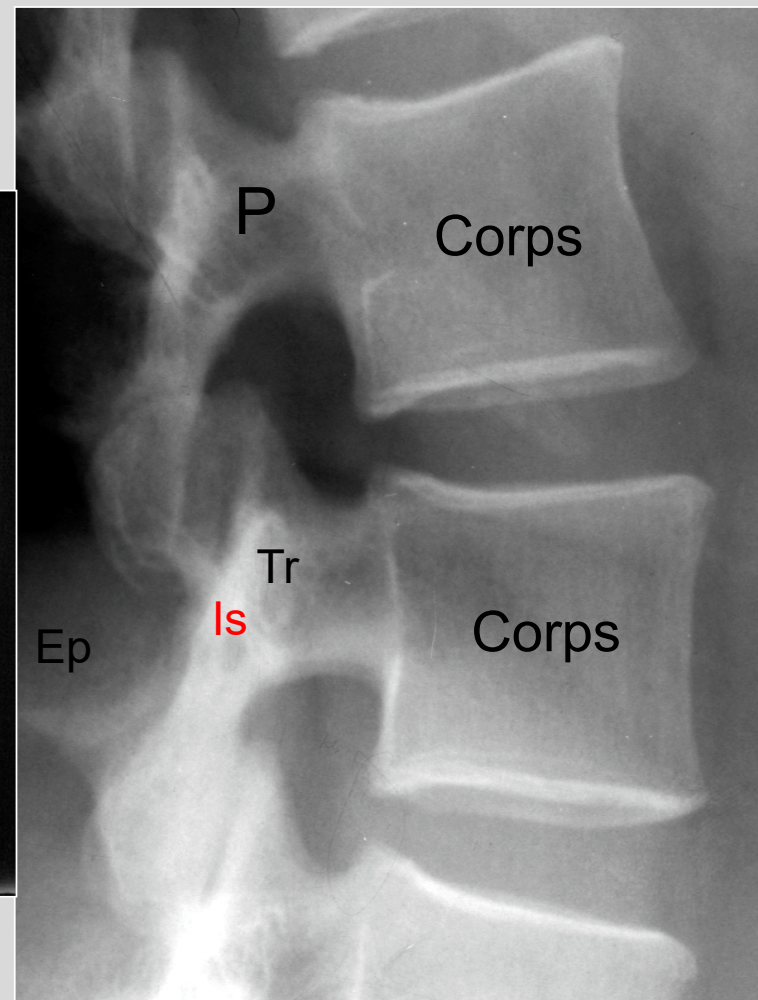
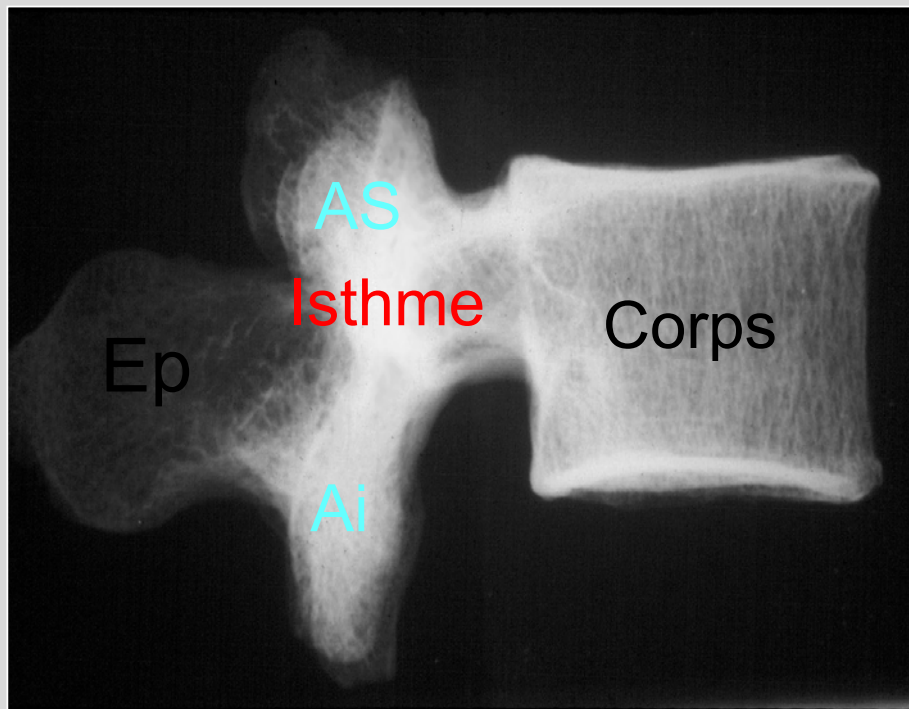
Face



Profil



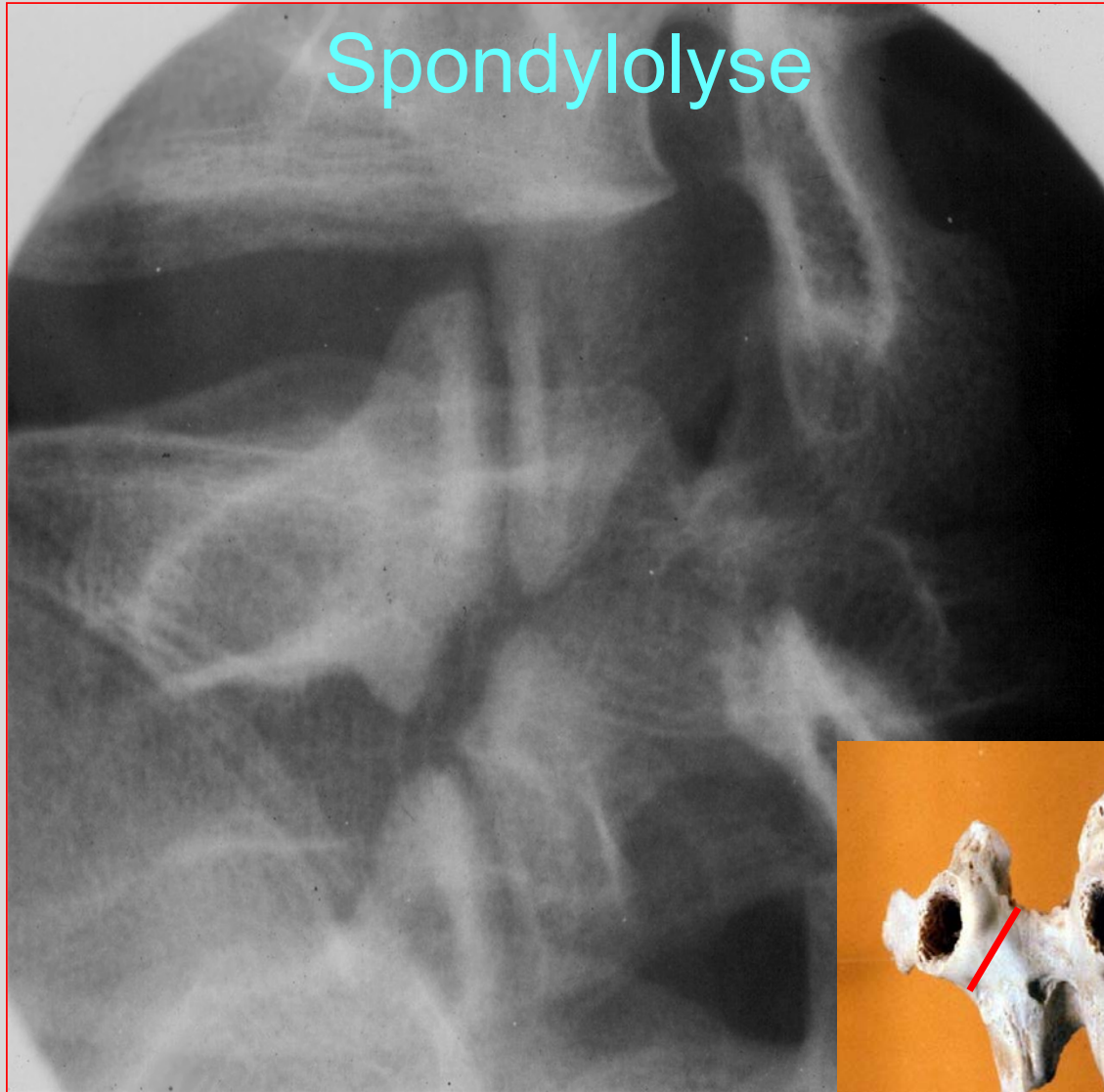






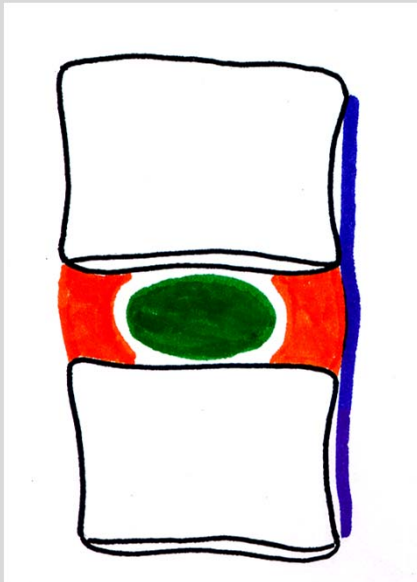


Spondylolyse



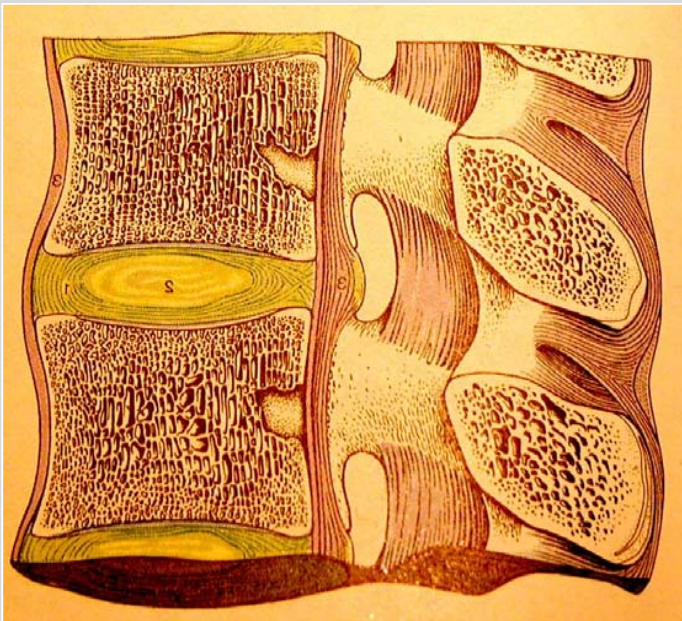
Le disque intervertébral

Un amortisseur
hydraulique



Annulus fibrosus

Nucleus pulposus

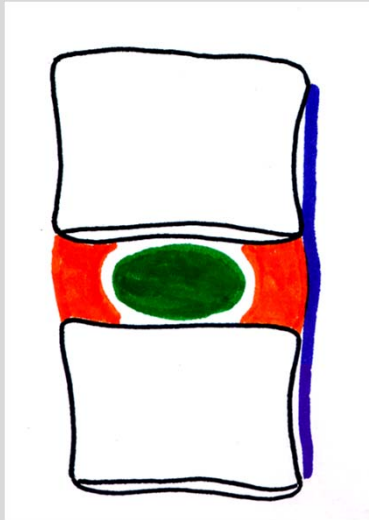




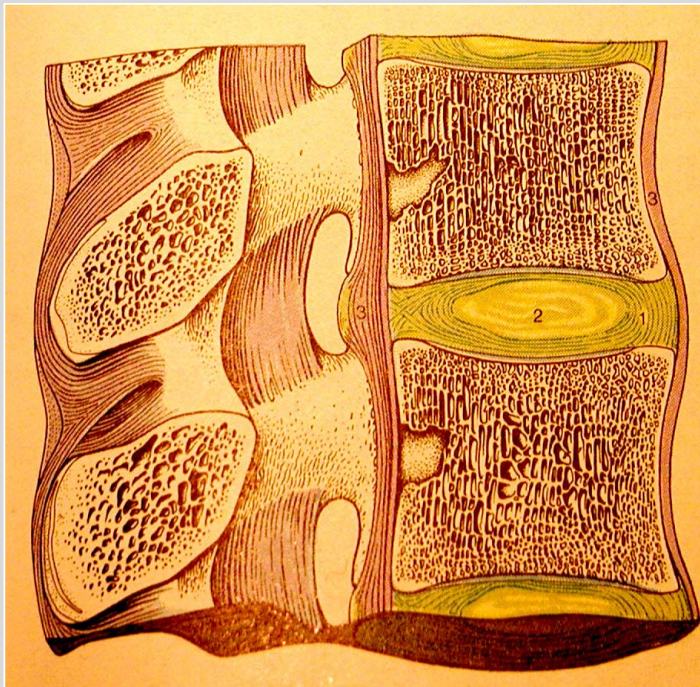
Après Décharge



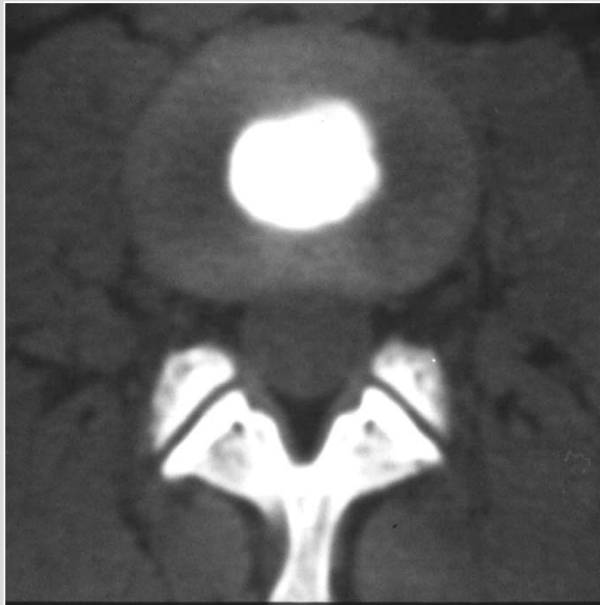
Après Station



Geste invasif 1: discographie opaque



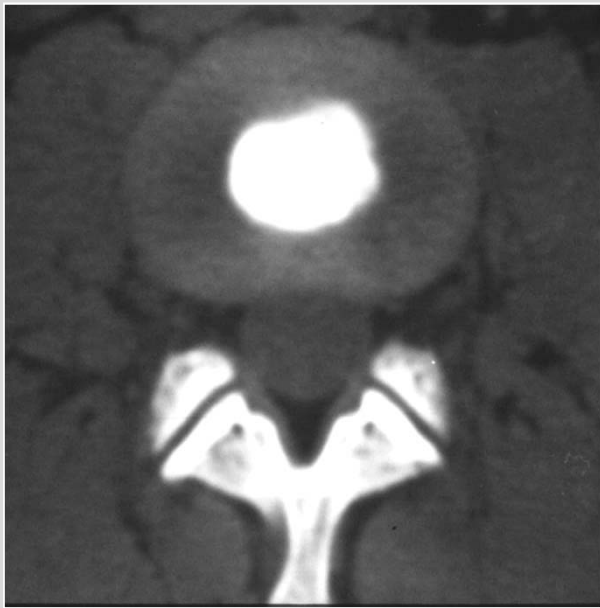
Discographie normale



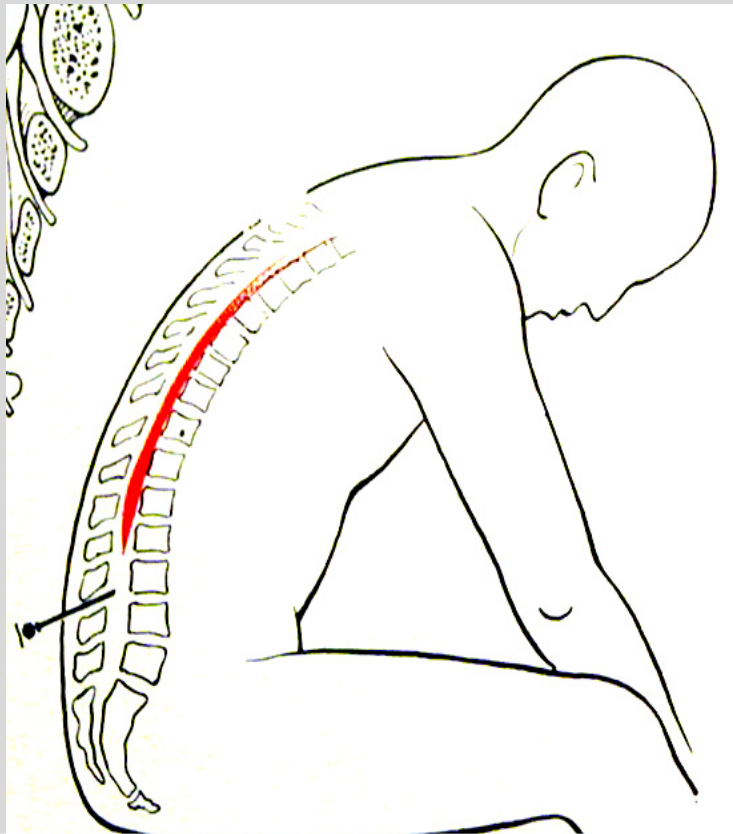
Coupe axiale



Sujet normal



Geste invasif 2:
Myélo-sacco-radiculographie opaque



Ponction lombaire en
L3-L4



L2

L3

L4

L5

Sacrum



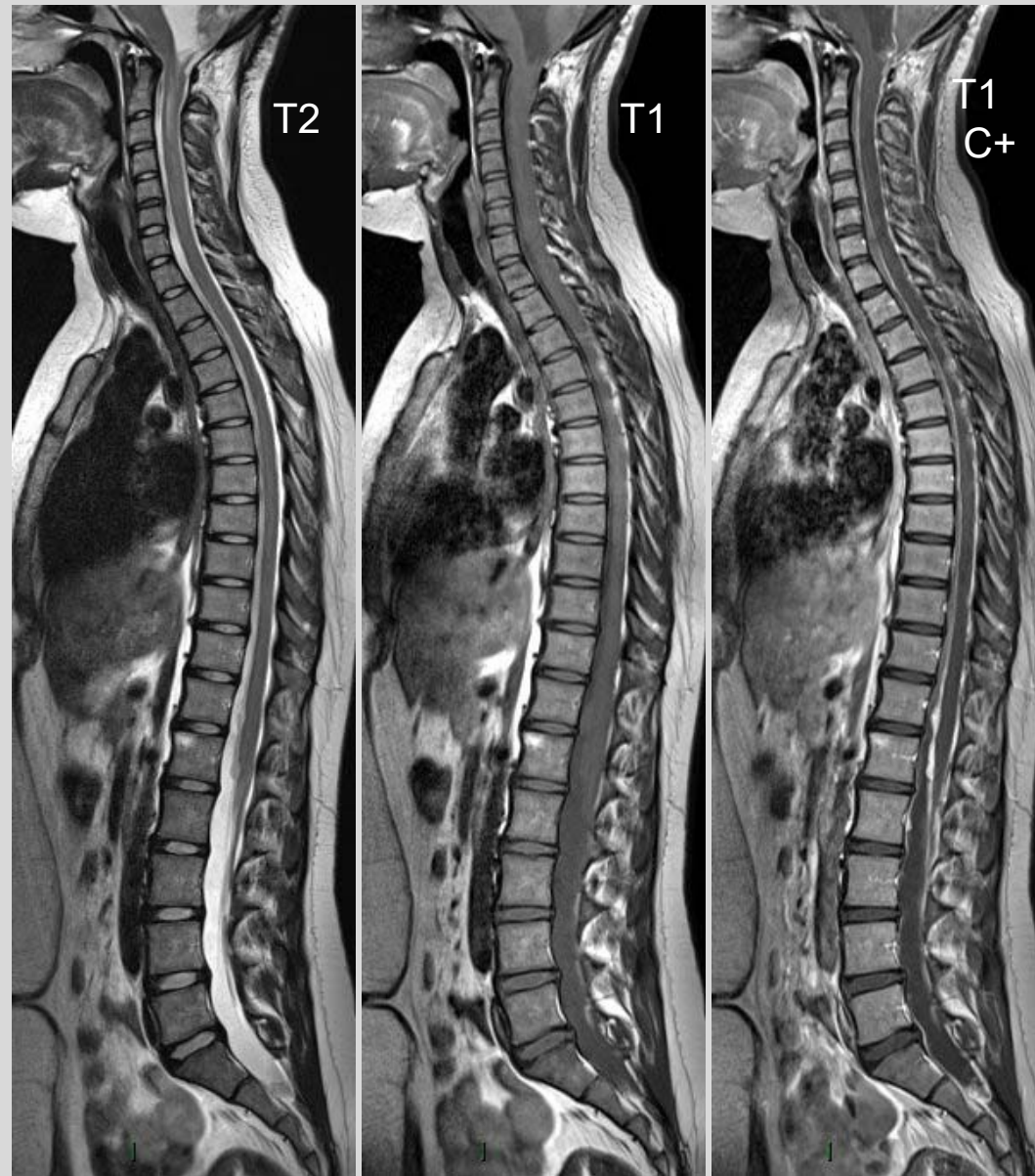
OAG ↺

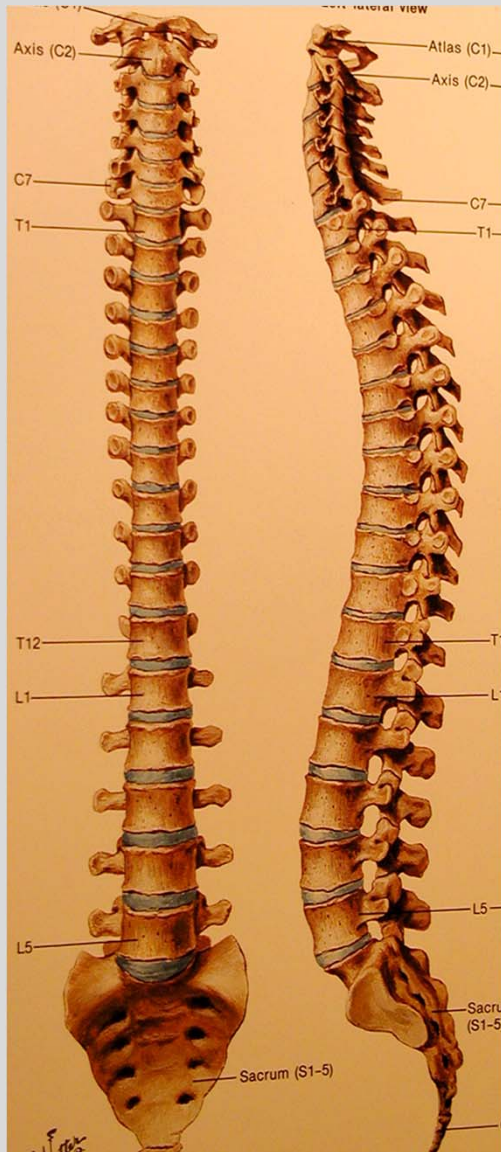


FACE



↻ OAD





Renflement
cervical

Plexus
cervico-brachial

C5→D1

Renflement
lombaire

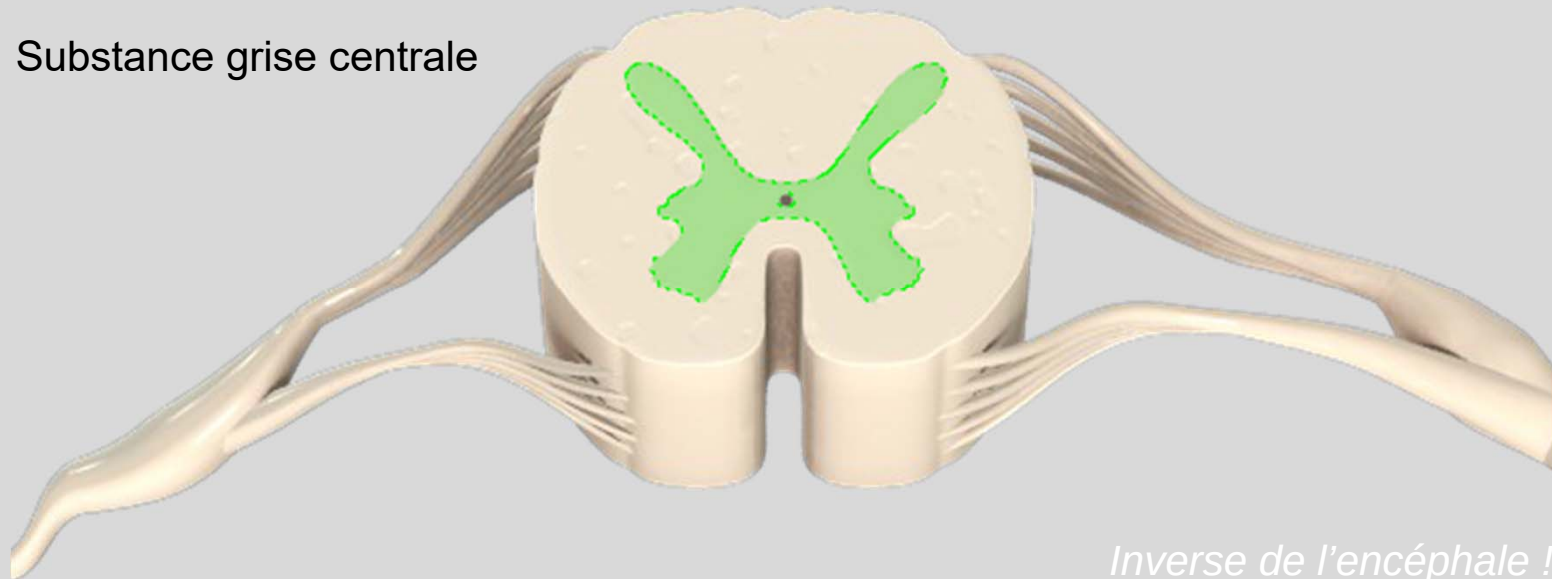
Plexus
Lombo-sacré

Queue
de
cheval

(T12) L1→ L5

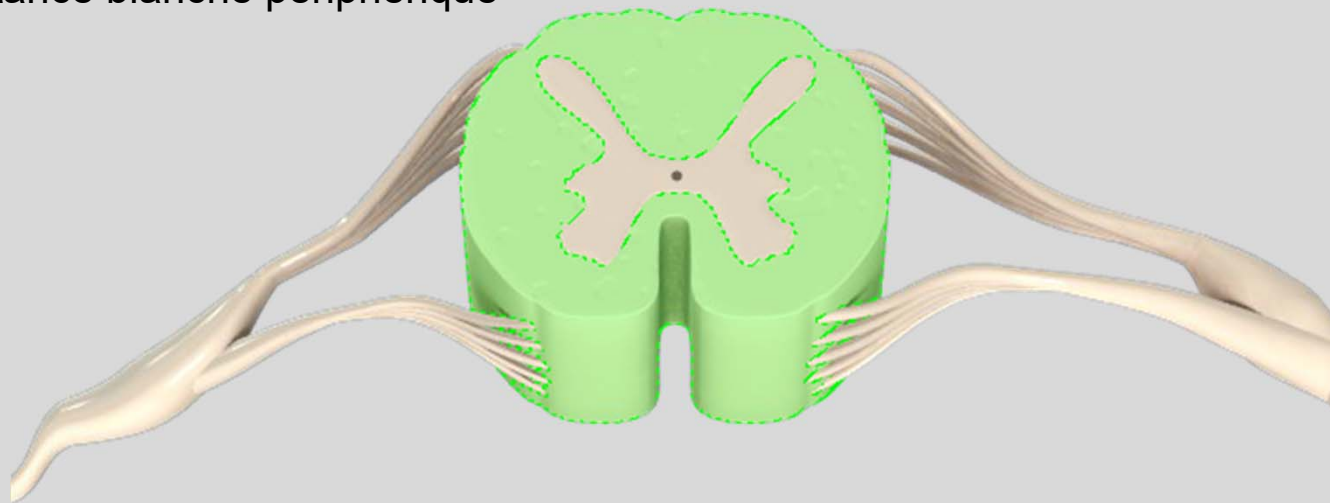


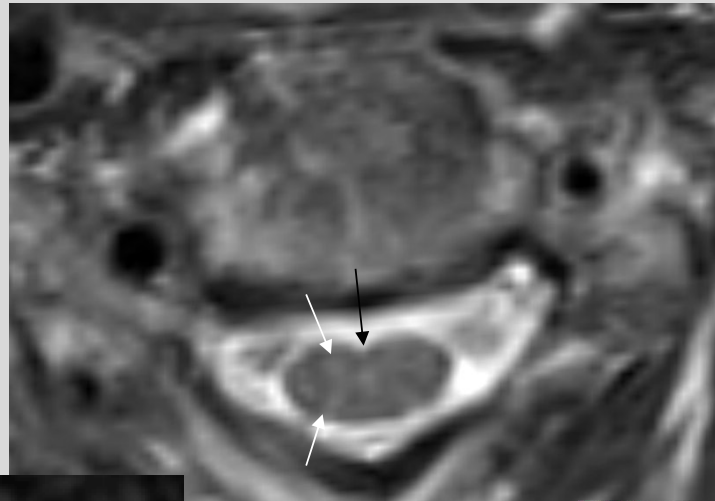
Substance grise centrale

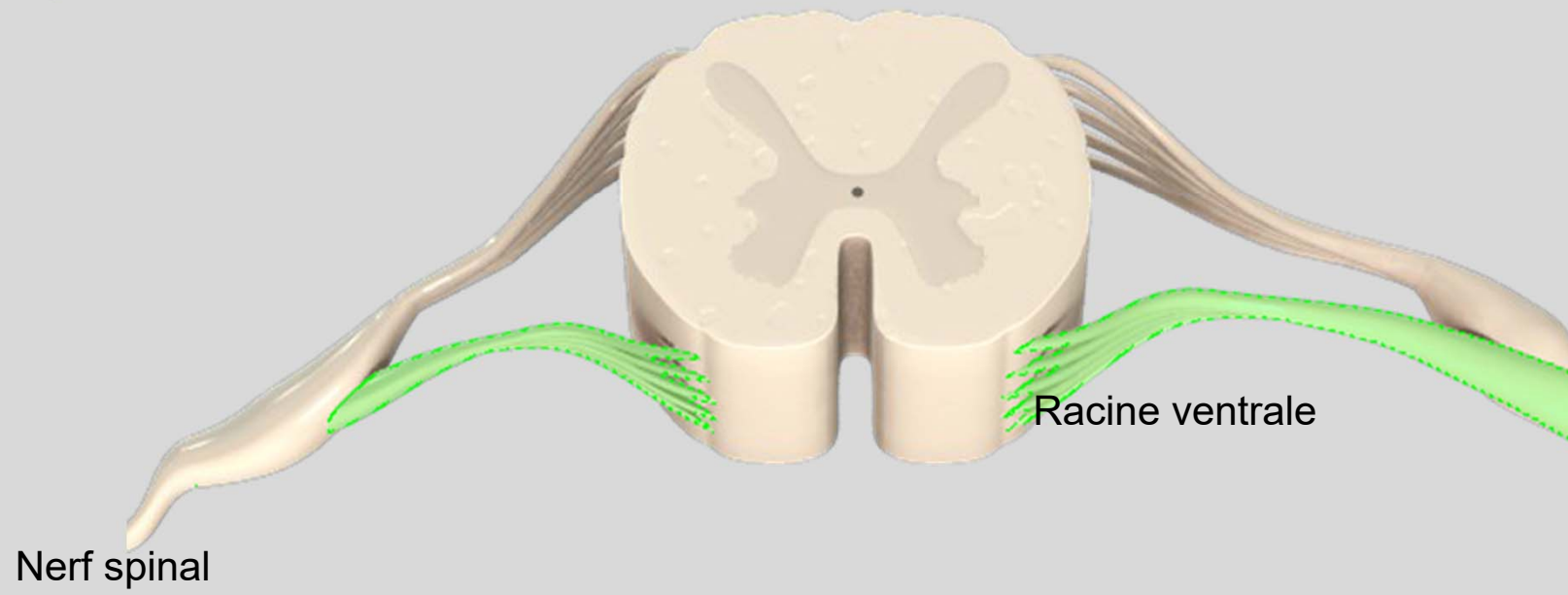
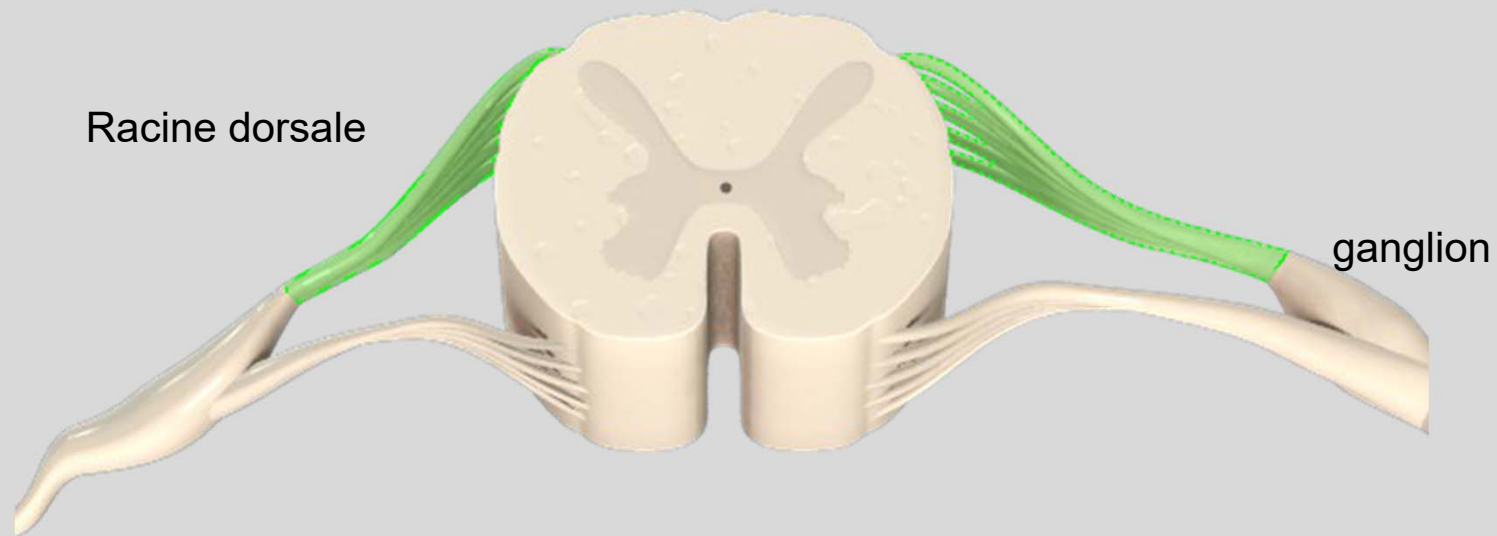


Inverse de l'encéphale !

Substance blanche périphérique







Organisation métamérique
des segments de la moelle et de leur racine

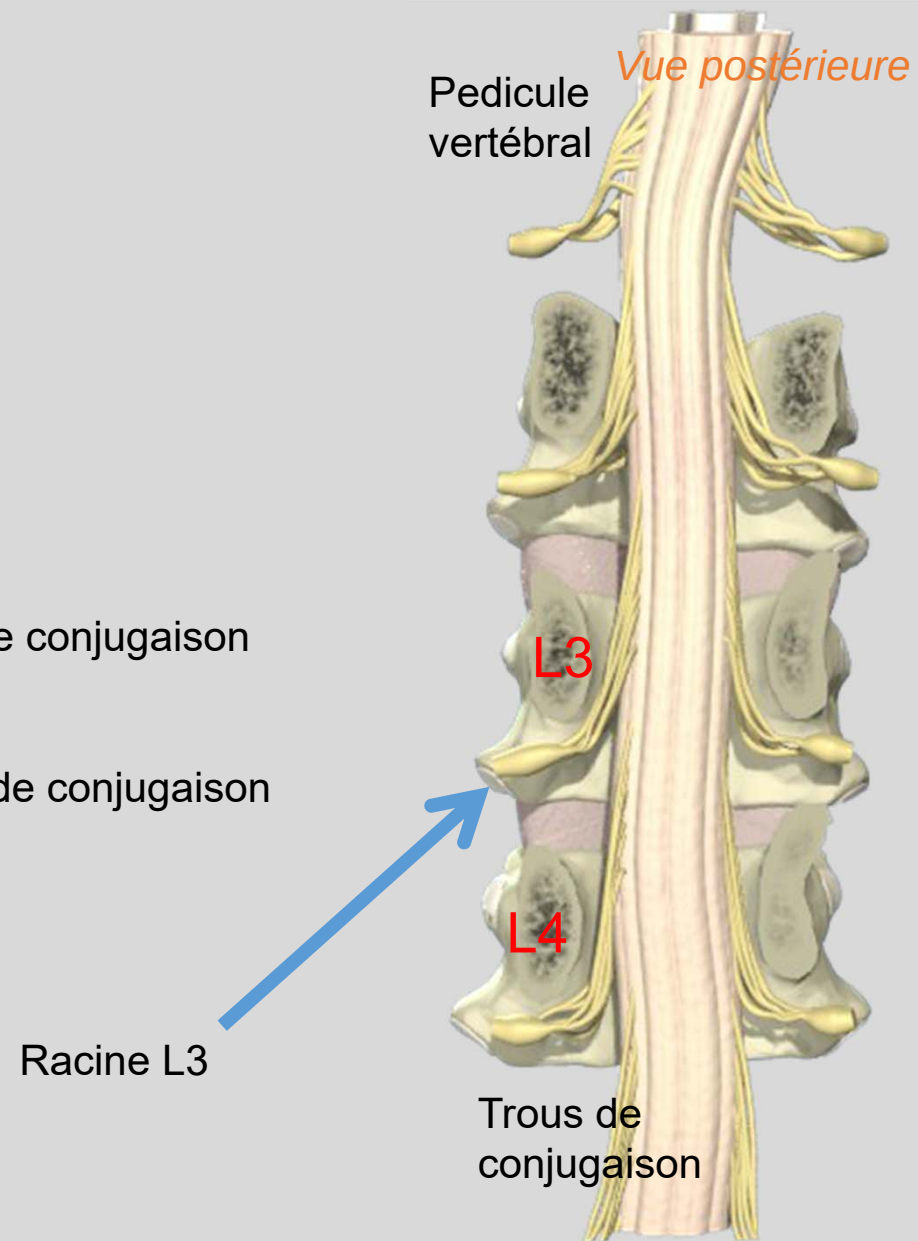
1 divergence

Racine C8 mais pas de vertèbre C8 !

→ C8 passe entre C7 et D1

→ Au-dessus de C7: la racine dans le trou de conjugaison
porte le N° de la vertèbre du dessous

→ Au dessous de D1: la racine dans le trou de conjugaison
porte le N° de la vertèbre du dessus



méninges

