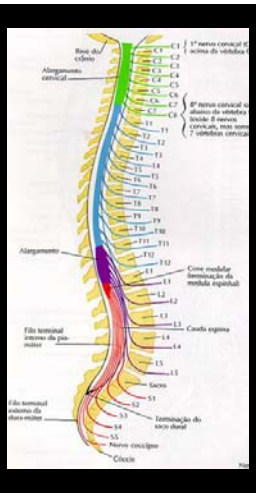
Sistema nervoso central

Medula espinhal

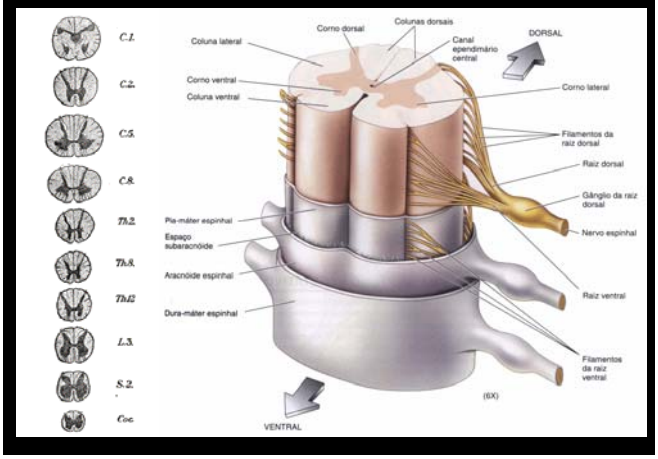
Prof. A.Carlos
Centro de Imagens
e Física Médica - FMRP



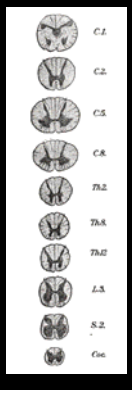


Medula espinhal

- Estrutura geral: cilindro de SN que se extende do bulbo ao nível de L1 no canal vertebral
  - ✓Intumescência cervical: forma o plexo braquial, inerva os mm. superiores
  - ✓Intumescência lombar: forma o plexo lombossacro, inerva os mm. Inferiores
- Recoberta por Meninges: como no encéfalo
- Composição da medula
  - ✓Substância branca periférica
  - ✓Substância cinzenta central

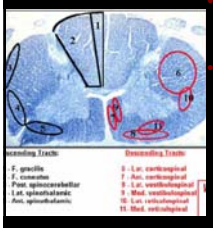


Composição da medula – substância cinzenta

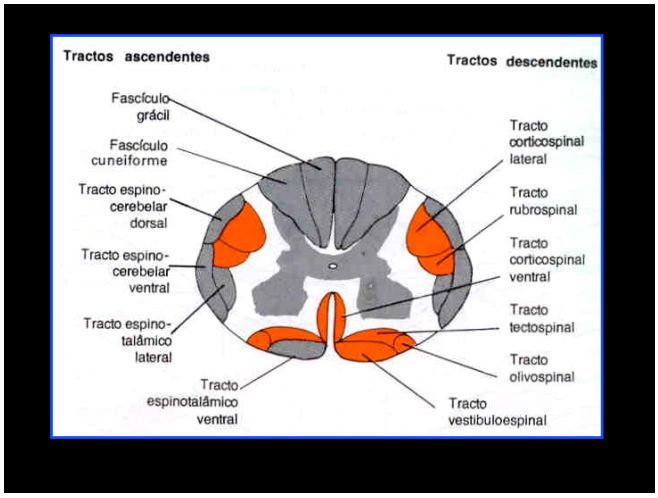


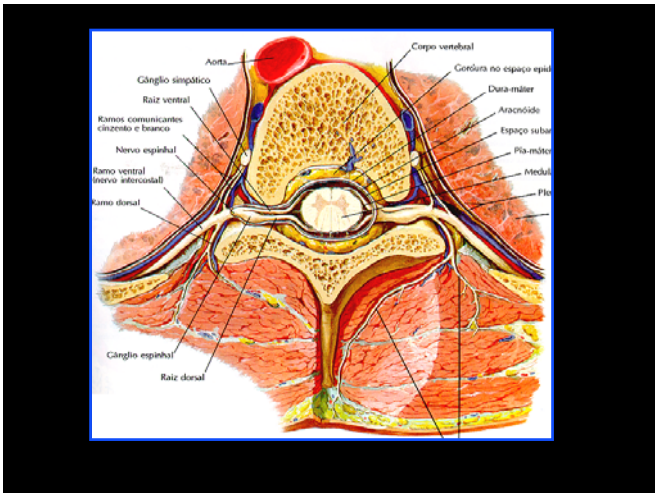
- Coluna posterior:
  - ✓Corpos celulares dos neurônios sensitivos
- Coluna anterior:
  - ✓Corpos celulares dos neurônios motores somáticos cujos axônios deixam a medula através da raiz anterior
- Coluna lateral
  - ✓Somente nas regiões torácica e lombar alta; corpos celulares dos neurônios motores viscerais (sistema nervoso simpático)

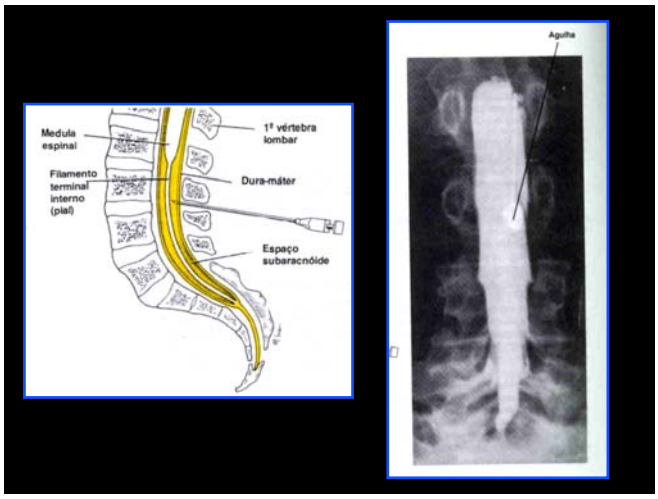
Composição da medula – substância branca

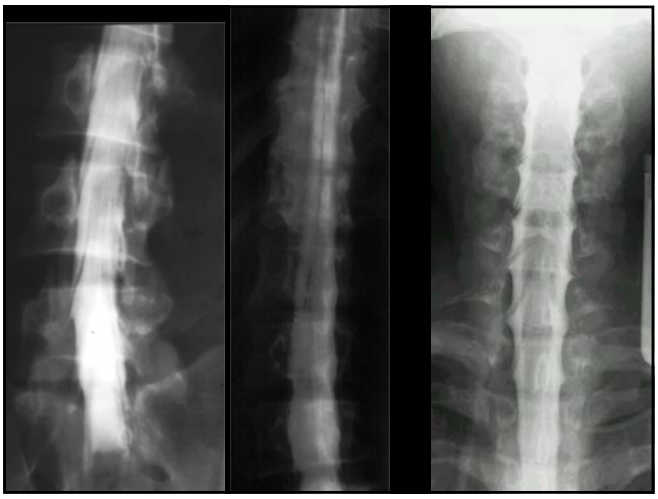


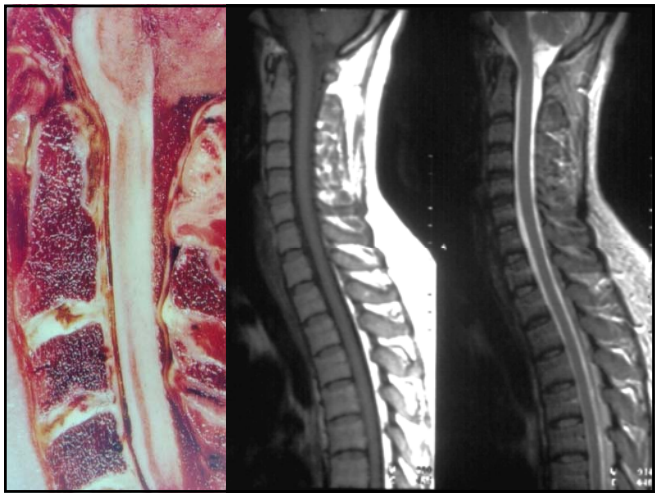
- Funículos anterior, posterior e lateral de cada lado
- Tratos
  - ✓Ascendentes – sensitivos
    - Fascículos grácil e cuneiforme
    - Tratos espinotalâmicos
    - Tratos espino-cerebelares
  - ✓Descendentes – motores
    - Tratos piramidais
    - Tratos extra-piramidais

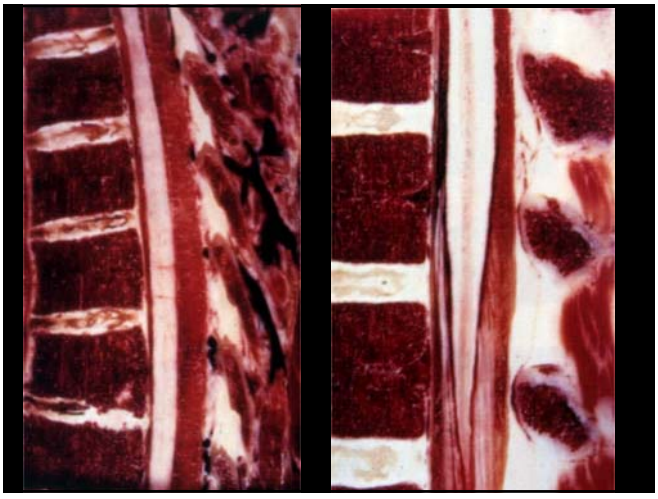

Tractos ascendentes
Tractos descendentes
Fascículo grácil
Fascículo cuneiforme
Tracto espino-cerebelar dorsal
Tracto espino-cerebelar ventral
Tracto espino-talâmico lateral
Tracto espinotalâmico ventral
Tracto corticospinal lateral
Tracto rubrospinal
Tracto corticospinal ventral
Tracto tectospinal
Tracto olivospinal
Tracto vestibuloespinal

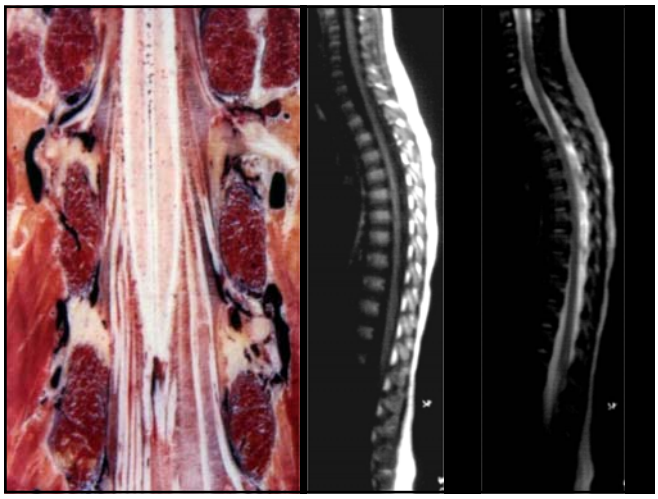

Aorta
Gânglio simpático
Raiz ventral
Ramos comunicantes cinzento e branco
Nervo espinhal
Ramo ventral (nervo intercostal)
Ramo dorsal
Gânglio espinhal
Raiz dorsal
Corpo vertebral
Dura-máter
Aracnóide
Espaço subar
Pia-máter

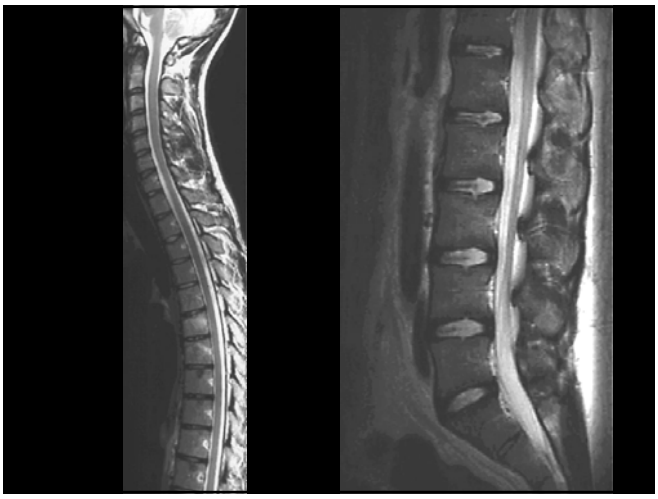

Medula espinal
Filamento terminal interno (pial)
1ª vértebra lombar
Dura-máter
Espaço subaracnóide
Agulha

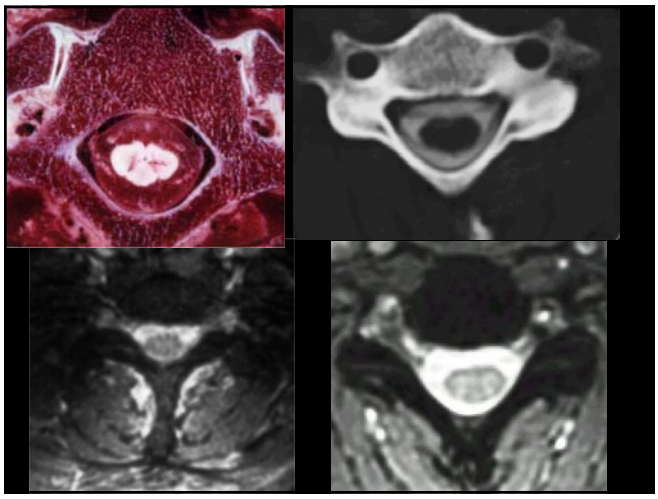




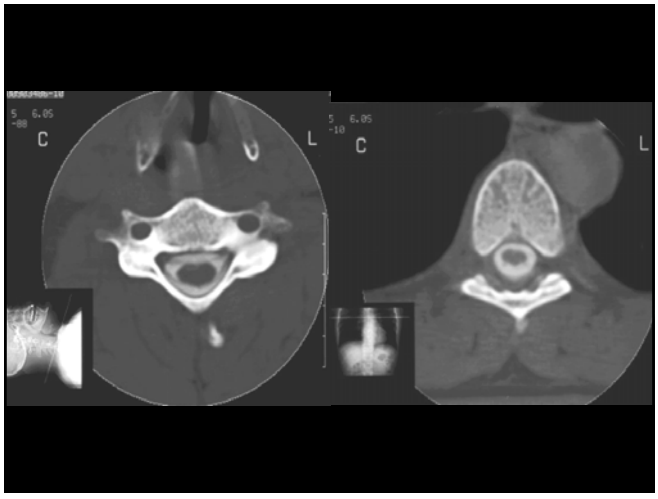


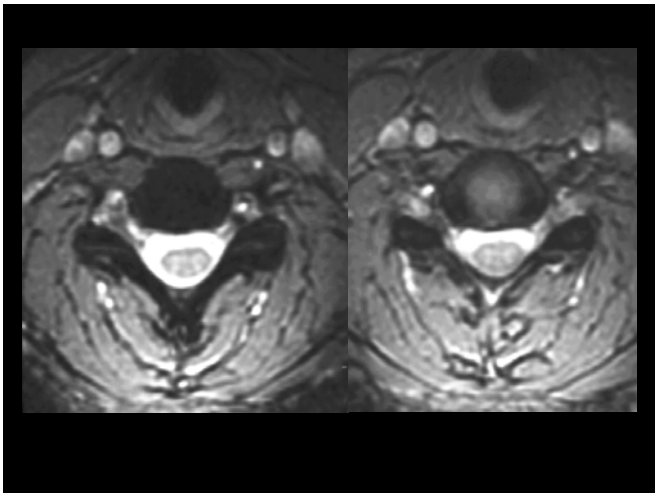


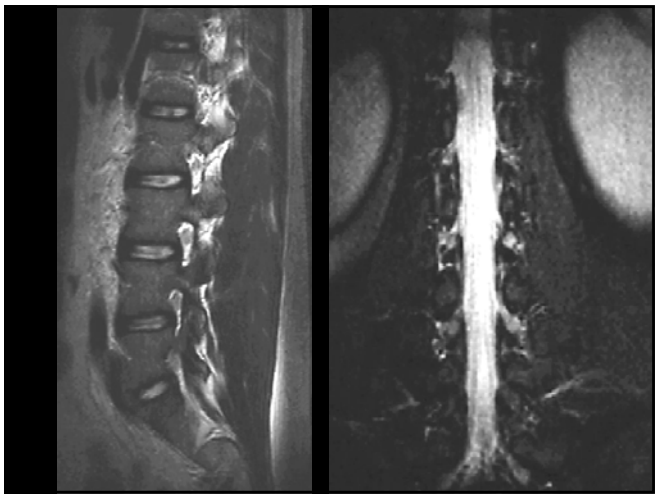


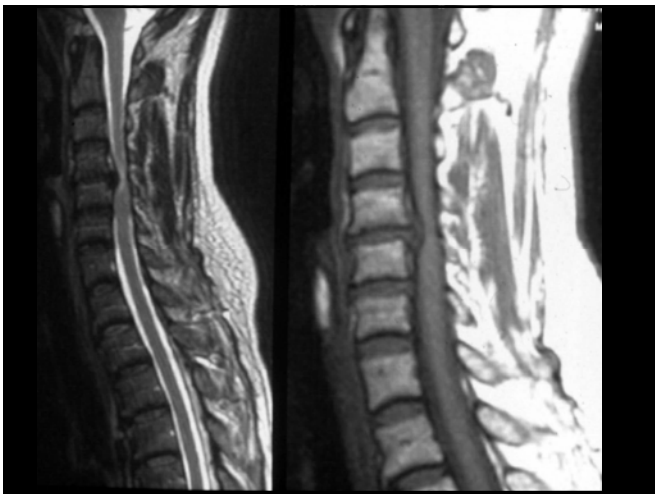


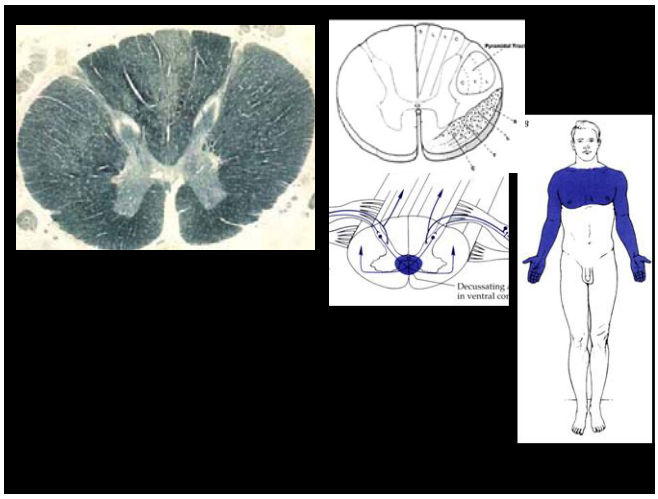

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Radiculopatia X Neuropatia

