

Back Pain + Lower Limb Neurology

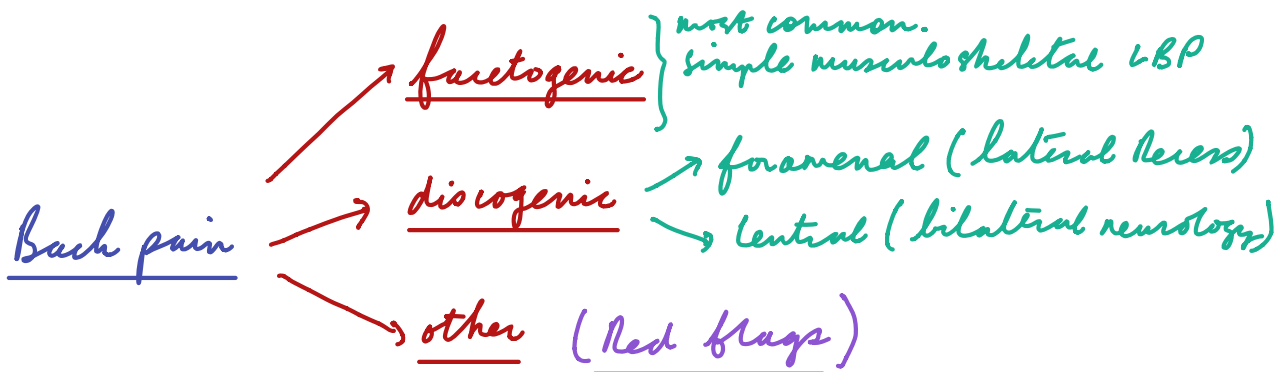
Paul Jervis
4/2019.

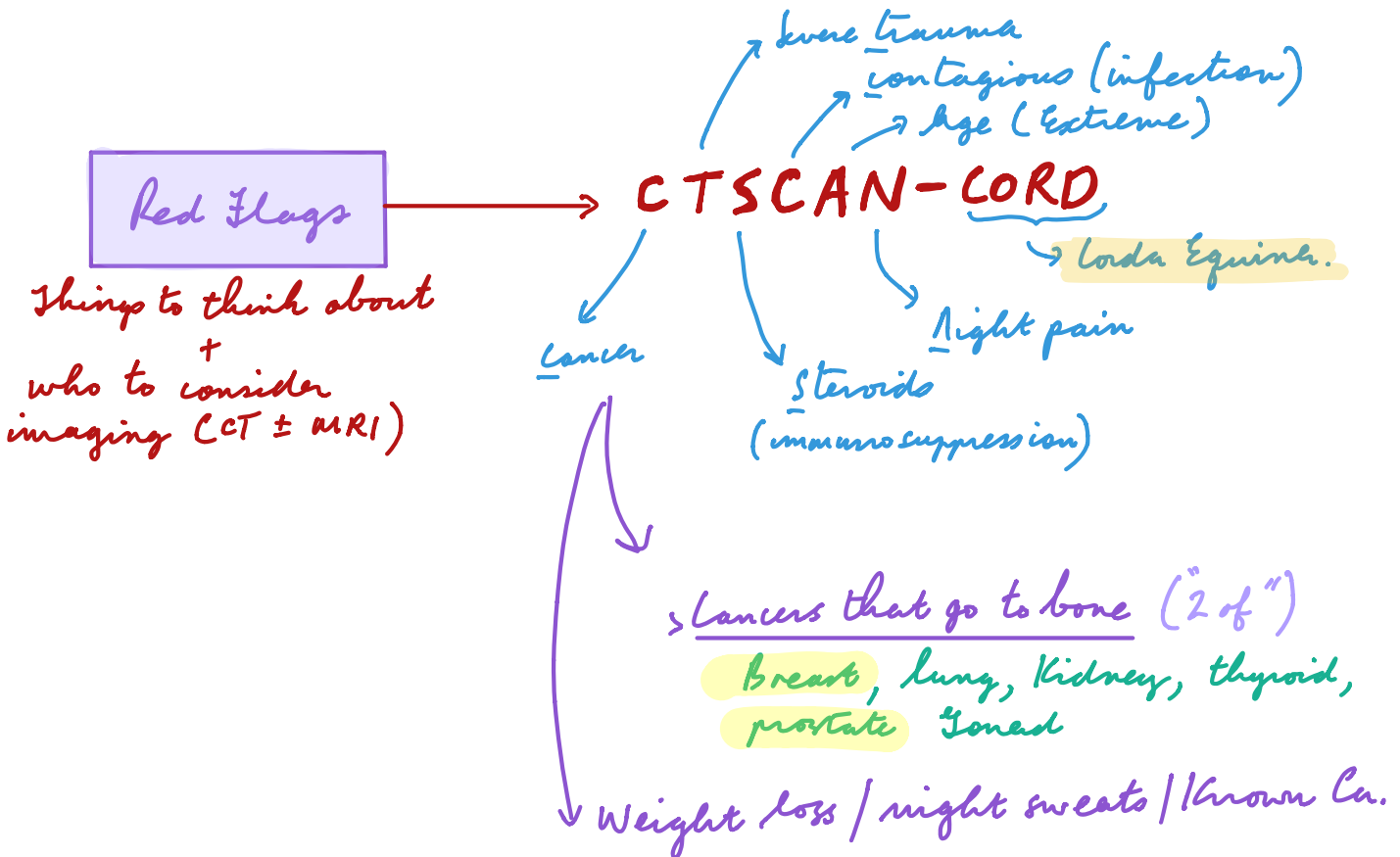
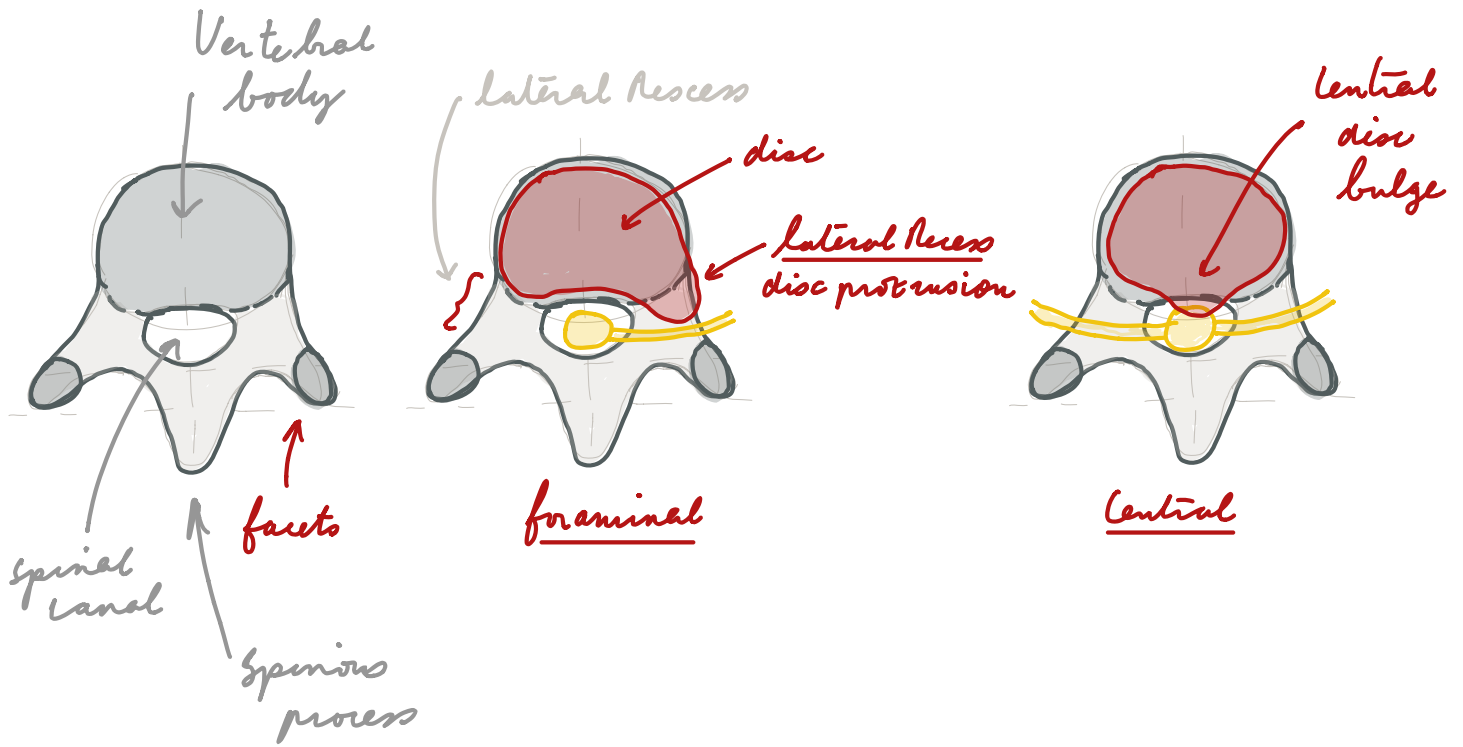
Where is the pain originating from?

What is the neurology

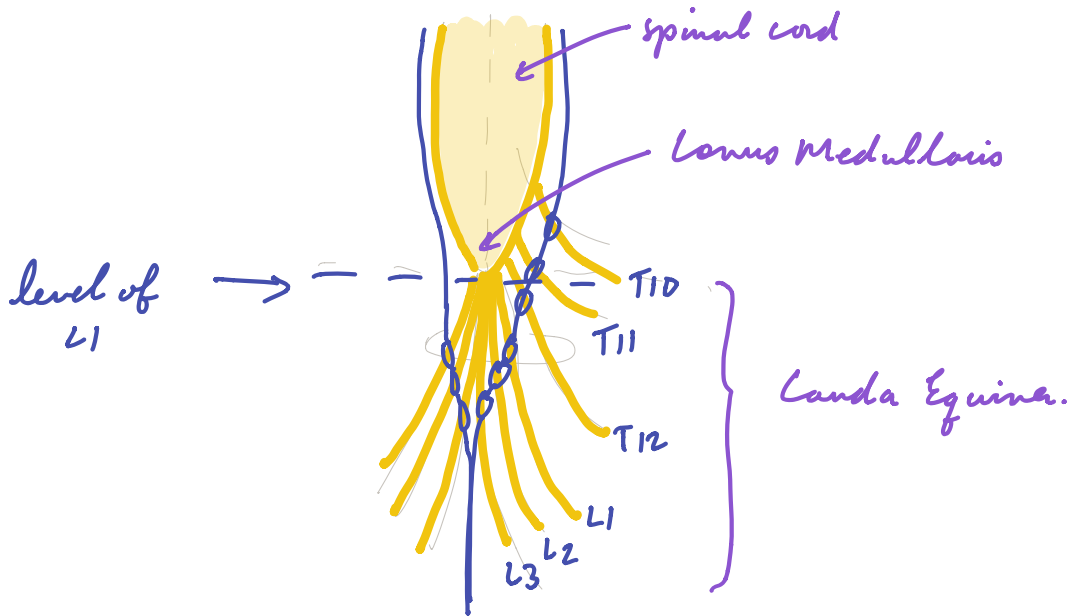
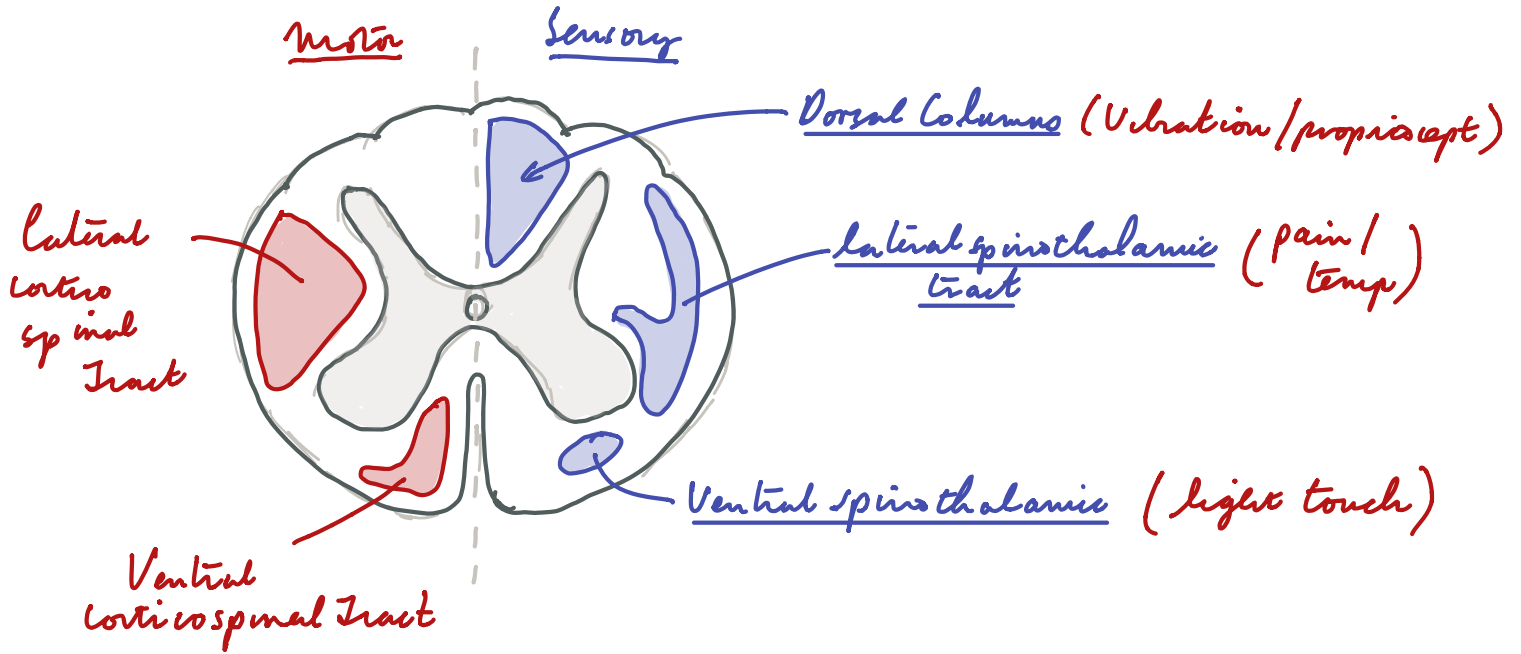
What are the Red flags?

What else could it be?

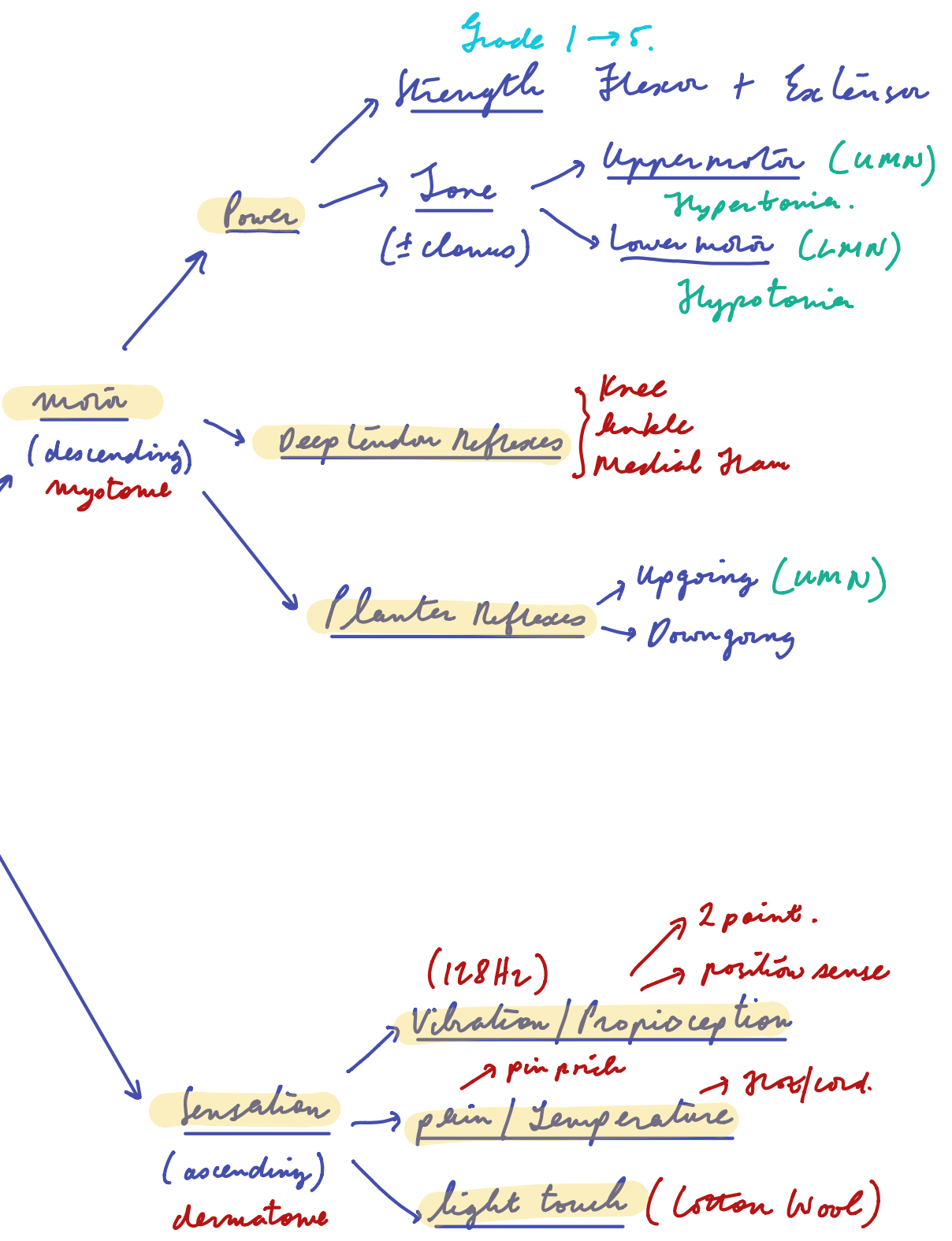




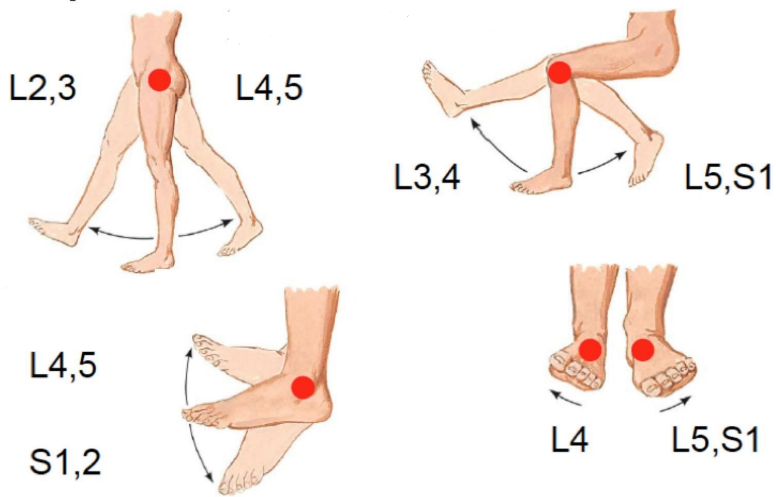
Spinal Cord



Lower limb Neurology



Lower limb motor (myotome)



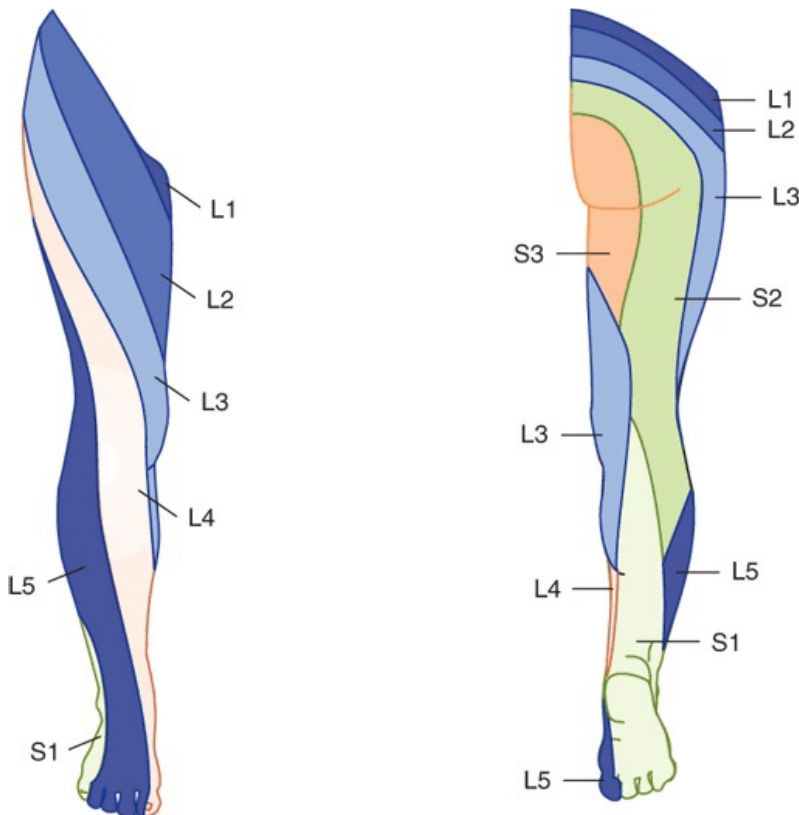
Deep Tendon Reflexes

Knee Reflex L3 L4

Ankle Reflex S1, S2

Medial Hamstring L5 (S1)

Lower limb sensation (Dermatome)



Cauda Equina (orthopaedic Emergency)

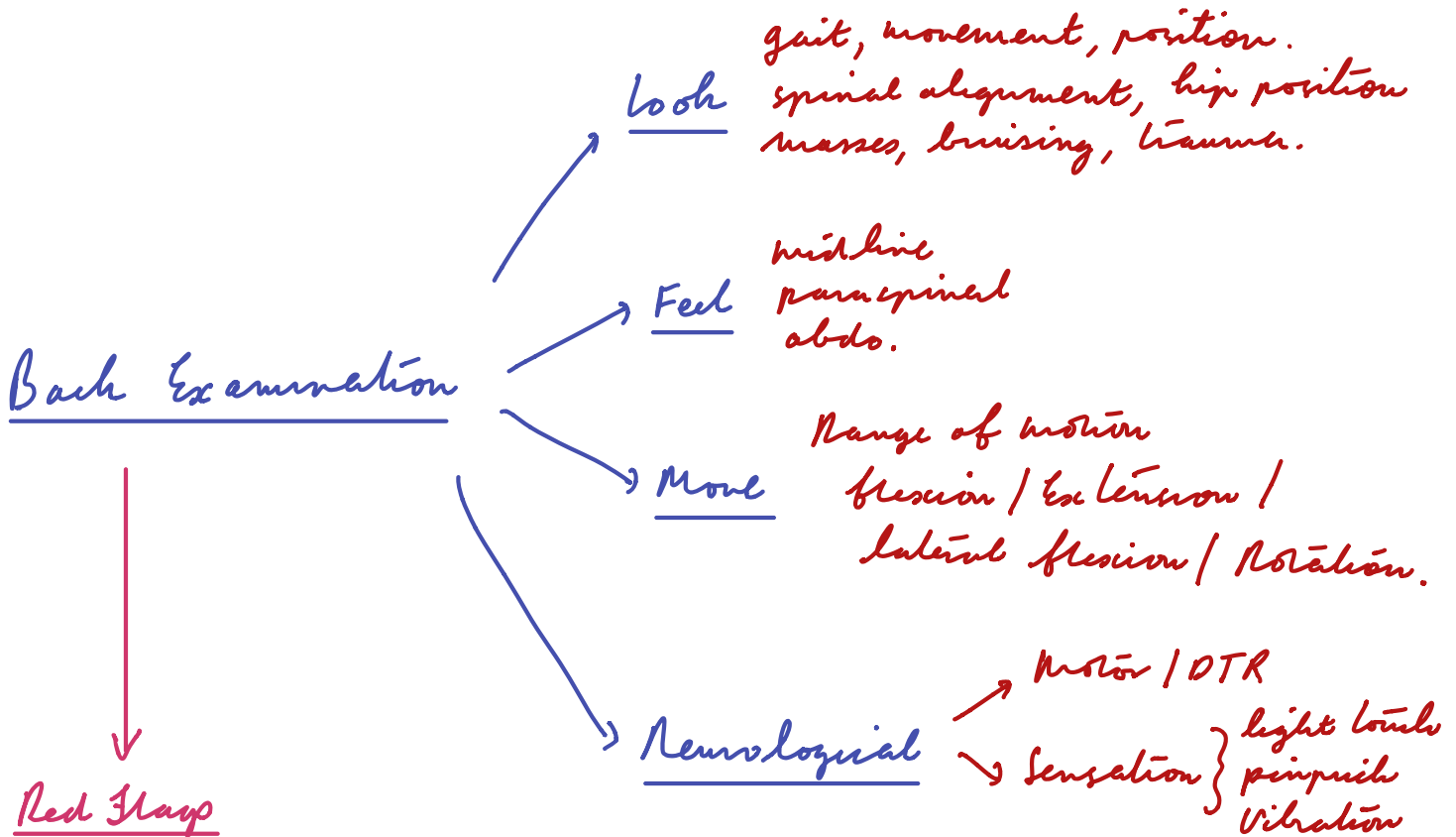
Compression of the spinal nerves distal to the
conus medullaris

Central disc prolapse / abscess / mass / tumor / trauma. ^{→ haematoma.}

L5 → S4

(1%)

→ sacral nerves } bladder / bowel
perineum
bilateral symptoms



Elderly → AAA / A.O /

Haematuria (AAA / Renal colic)

Women - think ectopic

Post LP → spinal haematoma / spinal abscess

Cauda Equina (↓ anal sensation / bilateral symptoms)

Fever → spinal abscess / immunosuppressed.