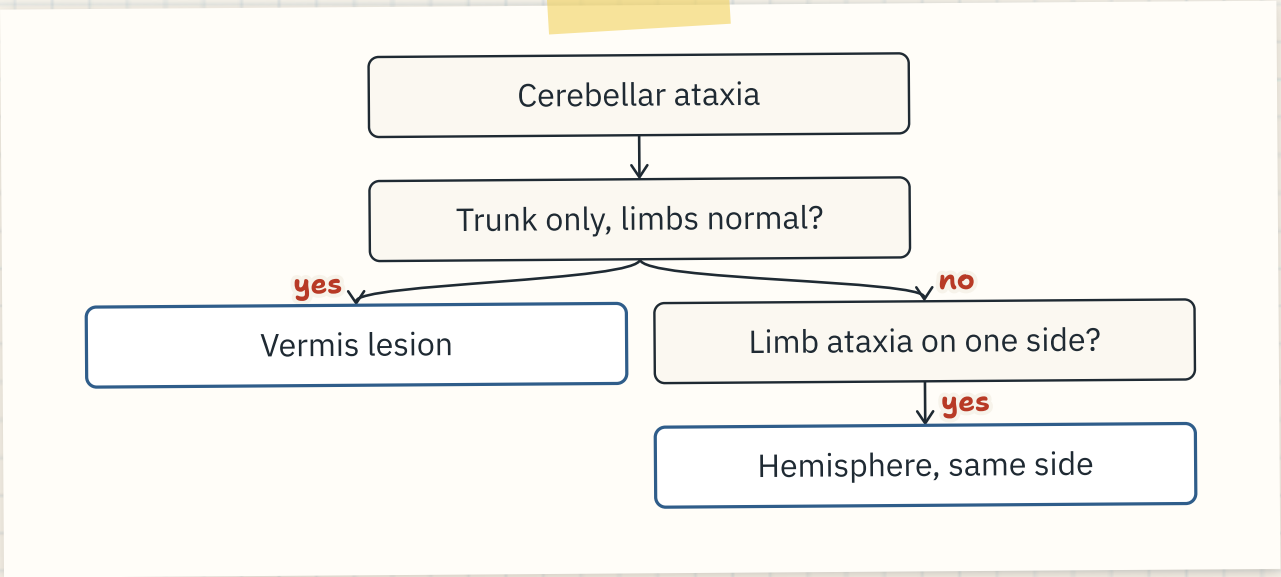
Cerebellar lesions: where?

Localise by the pattern of ataxia



Step by step

1. Is the trunk swaying or the gait wide-based, with normal limbs?
2. Are the limbs clumsy, overshooting, shaking on movement?
3. Hemisphere signs: same side as the lesion

Zone	Controls	Lesion gives
Vermis	Trunk, posture, gait	Truncal ataxia, wide-based gait
Flocculonodular lobe	Balance, eye reflexes	Vertigo, nystagmus
Hemisphere	Limbs	Dysmetria, intention tremor, dysdiadochokinesia

Zone, function and lesion signs

Zone rule

Midline = trunk and gait

Hemisphere = limbs, same side

Exam traps

- Intention tremor is on movement; Parkinson resting tremor is at rest
- Hemisphere signs are ipsilateral: do not pick the opposite side
- A medial PICA stroke can mimic an inner-ear problem

Cerebellar lesion localisation: vermis vs hemisphere

Video, written lesson, practice question and sources: medservatory.com/usmle-step-1/neuroanatomy-localisation/cerebellar-lesion-localisation

For exam study only, not medical advice. Follow local guidelines and your lab's ranges.
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