Welcome to the Neuroanatomy Module

Tracey_Context.docx – Part 1 (🚫 Module Logistics (not examinable)

- **7 lectures + 3 × 2-hour tutorials.**
- **Sequence:**
  - **Langfield → Sensory awareness (somatosensory & visual pathways).**
  - **Piper → Motor systems (4 lectures).**
  - **Fenlon → Limbic system (memory & emotion).**
- **Lectures: pre-recorded, online.**
- **Tutorials: in-person, Thursday.**
- **Resources: lecture notes, recordings, tutorial notes in folders.**

⭐ Tracey's Framing: "Why learn neuroanatomy?"

- **⭐ Deficits in neuroanatomy can affect:**
  - **Somatosensory perception.**
  - **Visual acuity / visual field perception.**
  - **Motor control (speech, posture, body movement).**
  - **Cognitive functions (memory, learning, personality).**

🧠 / 🕵️‍♀️ Psychology & Exam Tone

- **🕵️‍♀️ Integration cue → "Sensory informs motor outputs (postures and movements)." Expect SAQs combining sensory + motor pathways.**
- **🧠 Broad terms like "cognitive functions" (memory, learning, personality) may appear in stems but need concise, exam-aligned phrasing.**
- **🧠 Pathology emphasis → expect stems framed clinically (e.g. "Lesion in X = which deficits?").**

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“Clinical Relevance – Stroke & Brain Cancer)

🚫 **Background Stats (context only)**

- 2018: ~387,000 Australians aged 15+ (1.6%) reported stroke history (ABS 2019).
- 2021: ~40,700 stroke events (~112/day) in Australia (AIHW 2025).
- 2023: **Brain cancer** — ~2,000 new cases; **second most common cancer in children (0–14 yrs)** (Cancer Australia).

⭐ **Core Definitions / Exam Anchors, some examples are but not limited to below**

- ⭐ **Stroke** → blockage (ischaemic) or rupture (haemorrhagic) of cerebral vessel.
- ⭐ **Neurological impact** → disruption or compression of brain structures → functional deficits.
- ⭐ **Non-malignant brain tumours** → may still cause neurological deficits via compression.

🧠 / 🦹 **Clinical Integration Cues**

- 🦹 “As future OTs/Physios, you will care for stroke patients” → expect lesion-based SAQs (anatomy ↔ deficit ↔ function).
- 🧠 Population numbers = context only (not examinable).
- 🧠 “Early signs of brain tumours” → possible clinical-vignette phrasing in SAQs.