Neuroanatomy

Module:

The project pairing from Neuroanatomy focused a number of related modules concerning neuroscience and the nervous system.

Learning Outcomes:

A learning outcome common across these modules was:

- *Identify key anatomy components that should be described. Cranial nerves, attachment point, function, innervation, branches, modality, cranial nerve nuclei, lesions.*

Current Assessment Design:

A combination of graded **formative assessment**, the form of an in-class test, **authentic assessment** in the form of a practical examination, and **summative assessment**, in the form if a written examination.

Associated Risk of GenAI:

The risk of academic misconduct through the use of GenAI is relatively low in Neuroanatomy, given the hands-on nature of much of the assessment.
Mitigation:
The risk of GenAI in **authentic assessments,** such as the practical examination mentioned above, is almost non-existent. Examining students on the practical, real work applications of their leaning is an excellent way to bypass the risk of academic misconduct through the use of GenAI.

Integration:

The lecturer created two new learning objectives to integrate the use of ChatGPT. The full list of learning outcomes is as follows:

- *Identify key anatomy components that should be described. Cranial nerves, attachment point, function, innervation, branches, modality, cranial nerve nuclei, lesions.*
- *How should prompts to ChatGPT be formulated to get this level of detail*
- *Comment on the ability and usefulness of ChatGPT as a study aid.*

The lecturer tasked the students with developing prompts for ChatGPT that would produce a detailed and comprehensive summary on the cranial nerves. This exercise allowed the student to work with ChatGPT as a study-buddy. They were required to conduct traditional research that contributed to their informed and detail prompts for ChatGPT, which in turn produced a detailed response from the software, matching the level and standard of their traditional research.

Further to this, the student found that ChatGPT can be used to generate a detailed study schedule based on the content that needs to be covered in the time available before an exam.

They also found that it can generate sample examination questions and answers to aid in a student's study.

Also, the student found ChatGPT very helpful in explaining and summarising complicated topics in simpler terms.