

MEDI 6004 NEUROLOGY, MUSCULOSKELETAL AND SURGICAL PROBLEMS

Credit Points 10

Coordinator John Morley (<https://directory.westernsydney.edu.au/search/name/John Morley/>)

Description This subject introduces the key features of a comprehensive neurological examination. Clinical experts will guide the student on the important clinical features to recognise, assess and manage acute, chronic, and critical neurological disorders. This subject specifically addresses the approach to the child with weakness, headaches in children and concussion. It also addresses common surgical presentations providing students with a pathway of escalation of care. Participants will be provided with resources and advice for communicating the management plans of neurological and common surgical conditions with children, parents and carers and provide long-term surveillance and family support.

School Medicine

Discipline Paediatrics

Student Contribution Band HECS Band 3 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Postgraduate Coursework Level 6 subject

Learning Outcomes

Students will be able to:

1. assess common neurological, musculoskeletal and surgical presentations in children and young adults based on evidence-based approach
2. arrange appropriate neurological investigations to assist with diagnosis minimising cost to the patient and the system
3. formulate and communicate evidence-based management plans to maximise clinical outcomes in neurological and surgical conditions
4. provide long-term patient surveillance and family support for complex neurological conditions

Subject Content

1. Neurological examination in kids
2. Approach to the Child with Weakness
3. Seizure Mimickers in Children
4. Childhood Epilepsy
5. Headaches in Children
6. Hydrocephalus and Space-occupying lesions
7. Brain Injuries
8. Concussion
9. Common Eye Disorders in Childhood
10. Paediatric Dentistry
11. Postural Problems in Childhood
12. Scoliosis and Chest Deformities
13. The Limping Child
14. Common fractures and dislocations (Childhood Fractures)
15. Paediatric Sports Medicine

16. Common Surgical Problems 'North'
17. Common Surgical Problems 'South'
18. Child mortality and Injury prevention

Inherent Requirements

The inherent requirements for this subject will be the same as those for medicine programs

https://www.westernsydney.edu.au/ir/inherent_requirements/inherent_requirements_for_medicine_courses (https://www.westernsydney.edu.au/ir/inherent_requirements/inherent_requirements_for_medicine_courses/)

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Quiz	60 minutes	S/U	Y	Individual	Y
Presentatio	15 minutes	S/U	Y	Individual	Y
Applied Project	2000 words	S/U	Y	Individual	Y

Teaching Periods

Quarter 1 (2025)

Online

Online

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[View timetable](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=MEDI6004_25-Q1_ON_2#subjects) (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=MEDI6004_25-Q1_ON_2#subjects)

Quarter 2 (2025)

Online

Online

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Quarter 3 (2025)

Online

Online

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Quarter 4 (2025)

Online

Online

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