MEDI837

Anatomy 2

SM7 Online 2017

Medicine and Health Sciences Faculty level units

Contents

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General Information

Unit convenor and teaching staff
Unit Convenor
Mirjana Strkalj
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Credit points
4

Prerequisites
Admission to GradDipAnatomy

Corequisites

Co-badged status

Unit description
This is the second of two on line units that build upon the basic anatomy taught in undergraduate medical programs. The gross anatomy of the human body is revised with an emphasis on clinically oriented and applied anatomy through full body dissection. Discussion of relevant embryology is also included. The unit is delivered via the university iLearn platform and activities are set for students to complete, with follow up quizzes that allow formative self assessment. Topic areas covered include; the anatomy of the central nervous system, thorax, abdomen and pelvis. Anatomy 2 is designed to prepare students for the level of anatomical knowledge required for the intensive whole body dissection unit Anatomy 3.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at https://www.mq.edu.au/study/calendar-of-dates

Learning Outcomes

On successful completion of this unit, you will be able to:

Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.

Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.

Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.

Analyse the structural components of the central and peripheral nervous systems, cranial

nerves and autonomic nervous system to interpret the effect of damage to the components of the nervous system and predict outcomes after injury.

General Assessment Information

You must complete all three components of the assessment tasks in order to pass this unit.

Penalties for late submissions

Late submissions will be penalised unless special consideration is granted by the unit convenor. The penalty is 10% per day or part thereof.

Further details for each assessment task will be available on iLearn including marking rubrics.

Assessment Tasks

Name	Weighting	Hurdle	Due
Online quizzes	40%	No	Throughout Session
Spot tests	10%	No	week 11
Annotated drawings report	50%	No	Date TBA via iLearn

Online quizzes

Due: **Throughout Session**
Weighting: **40%**

Short answers, multiple choice questions, problem solving questions.

On successful completion you will be able to:
- Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
- Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to the components of the nervous system and predict outcomes after injury.

Spot tests

Due: **week 11**

Weighting: **10%**

Identification of the anatomical structures, MCQs, matching questions.

On successful completion you will be able to:

- Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
- Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to the components of the nervous system and predict outcomes after injury.

Annotated drawings report

Due: **Date TBA via iLearn**
Weighting: **50%**

Five annotated drawings of the regions of the body studied in this unit

On successful completion you will be able to:

- Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
- Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to the components of the nervous system and predict outcomes after injury.

Delivery and Resources

You will build up your anatomical competencies around several key learning outcomes within this online unit.

Use materials and resources provided on iLearn, access third party online information and read relevant chapters in prescribed books. To facilitate this process online quizzes and embedded questions are used as a tool for self-evaluation and self-direction throughout.

Recommended books and resources:

McMinn RMH **Last's Anatomy Regional and Applied**. 9th Edition. Churchill Livingstone Elsevier

Romanes GJ (1986). **Cunningham's Manual of Practical Anatomy.** Vols 1-3, 15th Edition. Oxford Medical Publications

Rohen JW, Yokochi C & Luthen-Drecoll E (2006). **Color Atlas of Anatomy: A Photographic Study of the Human Body**. 6th Edition. Lippincott Williams& Wilkins, Philadelphia

Moore KL, Persaud PVT, Torchia MG (2011). **The Developing Human: Clinically Oriented Embryology.** 6th Edition. Saunders.

Online Resources: **Anatomy.TV**

Unit Schedule

Week	Topic Area
1	The brain, brainstem and cerebellum
2	Cranial nerves and spinal cord
3	Vascular system of the brain
4	**Review Period 1**
5	The Thoracic Wall and Cavity & Lungs
6	Mediastinum and its content
7	**Review Period 2**
8	Abdominal Wall & Peritoneal Cavity
9	Abdominal Viscera
10	Liver and biliary system, pancreas
11	**Review Period 3**
12	Pelvis and perineum

13	Urinary and reproductive systems

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central. Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy http://mq.edu.au/policy/docs/academic_honesty/policy.html

Assessment Policy http://mq.edu.au/policy/docs/assessment/policy_2016.html

Grade Appeal Policy http://mq.edu.au/policy/docs/gradeappeal/policy.html

Complaint Management Procedure for Students and Members of the Public http://www.mq.edu.au/policy/docs/complaint_management/procedure.html

Disruption to Studies Policy (in effect until Dec 4th, 2017): http://www.mq.edu.au/policy/docs/disruption_studies/policy.html

Special Consideration Policy (in effect from Dec 4th, 2017): https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/special-consideration

In addition, a number of other policies can be found in the Learning and Teaching Category of Policy Central.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/support/student_conduct/

Results

Results shown in *iLearn*, or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit ask.mq.edu.au.

Student Support

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to improve your marks and take control of your study.

- Workshops
- StudyWise
- Academic Integrity Module for Students
- Ask a Learning Adviser

Student Services and Support

Students with a disability are encouraged to contact the Disability Service who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.

Graduate Capabilities

PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

Learning outcomes

- Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
- Apply knowledge of the anatomy and anatomical relationships of the structures of the head neck and trunk to discuss diagnostics and clinical application.
- Analyse the structural components of the central and peripheral nervous systems, cranial nerves and autonomic nervous system to interpret the effect of damage to the components of the nervous system and predict outcomes after injury.

Assessment tasks

- Online quizzes
- Spot tests
- Annotated drawings report

PG - Critical, Analytical and Integrative Thinking

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience,

of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

Learning outcomes

- Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
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Assessment tasks

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PG - Research and Problem Solving Capability

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

Learning outcomes

- Describe the structural components of the central nervous system, thorax, abdomen and pelvis, their nerve and blood supply, venous and lymph drainage.
- Apply knowledge of the anatomy of the central nervous system, thorax, abdomen and pelvis to surface anatomy and medical images.
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