General Information

Unit convenor and teaching staff
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Credit points
10

Prerequisites
(CHIR8512 or CHIR8502 or CHIR874) and (CHIR8102 or CHIR892) and (CHIR8402 or CHIR917) and (CHIR8514 or CHIR8504 or CHIR919)

Unit description
The focus of this unit is to continue to develop students' clinical reasoning skills, by exposing them to a range of clinical scenarios, which may be encountered in chiropractic practice. It aims to act as a 'virtual clinic', exposing students to a standardised range of clinical experiences. Students go over the case studies prior to the tutorials, and discuss them as a student-based group activity in the tutorials, in order to imitate the independence required in clinical practice. The clinical management of the patient includes nutritional, pharmacological and mental health interventions, and thus these studies are included in this unit.

CHIR8505 articulates with CHIR8506 with the two units together covering the full spectrum of clinically relevant conditions for chiropractors.

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:

ULO1: Integrate and assess presented data (including history, physical examination, and investigations where appropriate) using problem-solving techniques to successfully diagnose patients presenting for chiropractic care across the lifespan

ULO2: Formulate patient-specific management plans under an evidence-based framework, including referral for further investigations or alternative management when
appropriate.

ULO3: Outline commonly presented mental health conditions and consider how the patient's mental health status can influence their clinical presentation, their therapeutic relationship with the chiropractor, and the clinical outcomes

ULO4: Interpret a wide range of diagnostic images and evaluate how imaging findings will affect patient management

ULO5: Discuss drug usage relevant to chiropractic practice, including pharmacodynamics and pharmacokinetics, and explain the significance of toxicity, adverse reactions and contraindications

ULO6: Use current research to critically evaluate present nutritional information, issues and trends

Assessment Tasks

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<tr>
<th>Name</th>
<th>Weighting</th>
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<td>Case Study Examination</td>
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<td>Pharmacology Assessment Task</td>
<td>10%</td>
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<td>Radiology Slide Exam</td>
<td>15%</td>
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<td>Online case study quizzes</td>
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Case Study Examination

Assessment Type 1: Examination
Indicative Time on Task 2: 10 hours
Due: Week 7
Weighting: 20%

A summative assessment of case study diagnosis and management. Students are provided with history and examination information and asked to present their diagnosis and a management plan.

On successful completion you will be able to:

- Integrate and assess presented data (including history, physical examination, and investigations where appropriate) using problem-solving techniques to successfully diagnose patients presenting for chiropractic care across the lifespan
- Formulate patient-specific management plans under an evidence-based framework,
including referral for further investigations or alternative management when appropriate.

- Outline commonly presented mental health conditions and consider how the patient's mental health status can influence their clinical presentation, their therapeutic relationship with the chiropractor, and the clinical outcomes
- Interpret a wide range of diagnostic images and evaluate how imaging findings will affect patient management
- Discuss drug usage relevant to chiropractic practice, including pharmacodynamics and pharmacokinetics, and explain the significance of toxicity, adverse reactions and contraindications
- Use current research to critically evaluate present nutritional information, issues and trends

**Pharmacology Assessment Task**

Assessment Type: Quiz/Test
Indicative Time on Task: 10 hours
Due: End of Week 8
Weighting: 10%

This assessment task is based on a patient profile which contains a list of medications taken by the patient. Based on the information provided students must answer a series of questions assessing their ability to apply their knowledge of pharmacology.

On successful completion you will be able to:

- Discuss drug usage relevant to chiropractic practice, including pharmacodynamics and pharmacokinetics, and explain the significance of toxicity, adverse reactions and contraindications

**Radiology Slide Exam**

Assessment Type: Examination
Indicative Time on Task: 10 hours
Due: Week 13, Friday 8am
Weighting: 15%

A slide examination related to radiographic and medical imaging, in which students answer questions on slide images in a written examination

On successful completion you will be able to:

- Integrate and assess presented data (including history, physical examination, and investigations where appropriate) using problem-solving techniques to successfully diagnose patients presenting for chiropractic care across the lifespan
• Formulate patient-specific management plans under an evidence-based framework, including referral for further investigations or alternative management when appropriate.
• Interpret a wide range of diagnostic images and evaluate how imaging findings will affect patient management

Online case study quizzes
Assessment Type: Quiz/Test
Indicative Time on Task: 10 hours
Due: Weekly
Weighting: 15%
Weekly online quizzes accessible through ilearn. The quizzes will assess theory and radiology related to weekly case studies, and nutrition and mental health questions based on lecture material from the previous week.

On successful completion you will be able to:
• Integrate and assess presented data (including history, physical examination, and investigations where appropriate) using problem-solving techniques to successfully diagnose patients presenting for chiropractic care across the lifespan
• Formulate patient-specific management plans under an evidence-based framework, including referral for further investigations or alternative management when appropriate.
• Interpret a wide range of diagnostic images and evaluate how imaging findings will affect patient management

Final Examination
Assessment Type: Examination
Indicative Time on Task: 20 hours
Due: Exam Period
Weighting: 40%
The final exam covers pharmacology, nutrition and mental health theory.

On successful completion you will be able to:
• Outline commonly presented mental health conditions and consider how the patient's mental health status can influence their clinical presentation, their therapeutic relationship with the chiropractor, and the clinical outcomes
• Discuss drug usage relevant to chiropractic practice, including pharmacodynamics and pharmacokinetics, and explain the significance of toxicity, adverse reactions and contraindications
• Use current research to critically evaluate present nutritional information, issuesand
1 If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the Writing Centre for academic skills support.

2 Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation.

Delivery and Resources

Unit Web Page

You can log in to iLearn System via the link listed below:

http://learn.mq.edu.au

All lecture materials will be posted on iLearn, and there is also a link to ECHO360 for audio recordings of the lectures plus livestreaming.

There are 3 lectures per week one in each stream. The streams are - Nutrition, Mental Health and Clinical Pharmacology.

All Nutrition lectures will be delivered Pre-recorded in 2021. Mental Health and Clinical Pharmacology will be a mixture of pre-recorded and live online lectures.

Required and Recommended Resources

Core:


Highly recommended:

Souza, T. Differential Diagnosis for the Chiropractor


A note about textbooks:

Textbooks for this unit can be purchased online from Booktopia https://www.booktopia.com.au

Link to textbook at booktopia
Tutorials:

Case Studies & Evidence Informed Practice

The schedule of weekly tutorials is available on iLearn. It details the case studies that will be covered in the tutorials, the extra reading cases and the online quiz cases for theory and radiology, all laid out week by week. Please consult the schedule at the start of every week and prepare before coming to tutorials and go through the assigned cases before undertaking the weekly online quizzes. Attendance and participation in tutorials are a hurdle requirement and it is necessary to attend at least 8 of the 10 sessions.

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://policies.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy
- Academic Integrity Policy
- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Assessment Procedure
- Complaints Resolution Procedure for Students and Members of the Public
- Special Consideration Policy

Students seeking more policy resources can visit Student Policies (https://students.mq.edu.au/support/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit Policy Central (https://policies.mq.edu.au) and use the search tool.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/admin/other-resources/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) 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 or if you are a Global MBA student contact globalmba.support@mq.edu.au

Academic Integrity

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and
courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing and maths support, academic skills development and wellbeing consultations.

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

The Writing Centre
The Writing Centre provides resources to develop your English language proficiency, academic writing, and communication skills.

- Workshops
- Chat with a WriteWISE peer writing leader
- Access StudyWISE
- Upload an assignment to Studiosity
- Complete the Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.

- Subject and Research Guides
- Ask a Librarian

Student Services and Support
Macquarie University offers a range of Student Support Services including:

- IT Support
- Accessibility and disability support with study
- Mental health support
- Safety support to respond to bullying, harassment, sexual harassment and sexual assault
- Social support including information about finances, tenancy and legal issues

Student Enquiries
Got a question? Ask us via AskMQ, or contact Service Connect.

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.