

Module Code	STYD02
Version	1.2
Module Title	Pathology and Clinical Reasoning
Credits	20
Valid From	1 st September 2017 (v1.1 commenced: <u>1st September 2019</u>)
Status	Validated
Subject Board	STY
Academic Level (FHEQ)	5
Study Period	A
Prerequisites and co-requisites	None
Not available to students taking/having taken	N/A

Content (Indicative)

The module content will:

- Recognise and demonstrate a critical understanding the stages of tissue healing following musculoskeletal injury
- Explore and show a critical analysis of red flags, yellow flags and other contraindications to treatment
- Highlight the mechanisms of key traumatic sports injuries and potential injury management strategies
- Link pathology to the clinical assessment process to develop students critical clinical reasoning skills

Teaching and Learning Experience

Modes of delivery:

- Blended Learning, Lectures, practicals, tutorials and seminars (40 hours)
- Independent study (160 hours)

Module Learning Outcomes (MLOs)

On successful completion of this module students will be able to:

1. Demonstrate an awareness and critical understanding of red flags, contraindications and other conditions which may need to be considered during a clinical assessment
2. Demonstrate a detailed knowledge and application of the stages of tissue healing following musculoskeletal injury, and factors which affect this process
3. Demonstrate the ability to apply underlying concepts and principle mechanisms of complex sports-related injuries and the related pathological responses of tissue injury
4. Show the ability to demonstrate an autonomous approach towards developing clinical reasoning skills

Assessment

Assessment task	Load	Weighting	Learning outcomes assessed
Group Presentation (not marked anonymously)	up to 1,500 words (or equivalent)	30%	1, 3
Case Report	up to 3,500 words (or equivalent)	70%	2, 4

Indicative reading

Books

- Brukner, P., Khan, K., Clarsen, B., Cools, A., Crossley, K., Hutchinson, M., Mccrory, P., Bahr, R. and Cook, J. (2017). *Brukner & Khans Clinical Sports Medicine. Injuries, volume 1.* (5th ed). North Ryde, NSW: McGraw-Hill Education.
- Frontera, W. R., Silver, J. K., and Rizzo, T. D. (2015). *Essentials of Physical Medicine and Rehabilitation. Musculoskeletal Disorders, Pain, and Rehabilitation.* (3rd ed). Philadelphia, PA: Saunders, Elsevier.
- Goodman, C. C., and Fuller, K. S. (2015). *Pathology. Implications for the Physical Therapist.* (4th ed). St Louis, Missouri: Elsevier.
- Magee, D. J., Zachazewski, J. E., and Quillen, W. S. (2007). *Scientific Foundations and Principles of Practice in Musculoskeletal Rehabilitation.* St Louis, Missouri: Saunders, Elsevier.
- Moore, K. L., Dalley, A. F., and Agur, A. M. R. (2017). *Clinically Orientated Anatomy.* (8th ed.) Baltimore, MD: Lippincott Williams and Wilkins.
- O'Connor, D. P., and Fincher, A. L. (2014). *Clinical Pathology for Athletic Trainers. Recognizing Systemic Disease.* (3rd ed). Thorofare, NJ: SLACK Incorporated.
- Ombregt, L. (2013). *A System of Orthopaedic Medicine.* (3rd ed.) Edinburgh: Churchill Livingstone.
- VanMeter, K. C., and Hubert, R. J. (2018). *Gould's Pathophysiology for the Health Professions.* (6th ed). Missouri: Elsevier.
- Ward, K. (2018). *Routledge Handbook of Sports Therapy, Injury Assessment and Rehabilitation.* Abingdon, Oxon: Routledge.
- Zachazewski, J. E., and Quillen, W. S. (2016). *Pathology and Intervention in Musculoskeletal Rehabilitation* (2nd ed). St Louis, Missouri: Saunders, Elsevier.

Journals

American Journal of Sports Medicine
British Journal of Sports Medicine
Journal of Athletic Training
Journal of Sports Medicine and Physical Fitness
Medicine and Science in Sports and Exercise
Sports Medicine

Websites

<http://www.physio-pedia.com/>
<http://www.sportsinjuryclinic.net/sport-injuries>