Edinburgh Imaging
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Body Anatomy

Semester 1 / Autumn **10 Credits**

Each Course is composed of Modules & Activities.

Modules:

Cardio-thoracic	IMSc
Musculo-skeletal	IMSc
Abdominal	IMSc

Each Module is composed of Lectures, Reading Lists, MCQ self-assessments, & Discussion Boards.

The summary table above shows whether the modules are available in the Neuroimaging for Research (NI4R) programme or the Imaging (IMSc) programme or indeed both.

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Modules include:

Cardio-thoracic:
- Lung Anatomy
- Bronchial Tree Anatomy
- Mediastinum

Musculoskeletal:
- Spine
- The lower limb
- Upper limb anatomy

Abdominal:
- Abdominal & pelvic anatomy

We can also provide a more detailed syllabus showing what lectures will be given for each module, and the learning outcomes for each module.

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Cardio-thoracic (IMSc only)

Lecture 1
Title: Lung Anatomy
Description: Segmental anatomy of the lungs
Author(s): S Eljamel, M Jackson
Learning Objectives
- Describe and identify:
    - The pleural spaces including the fissures
    - Lobar lung anatomy
    - Segmental lung anatomy
    - Normal variants in lung anatomy

Lecture 2
Title: Bronchial Tree Anatomy
Description: Segmental anatomy of the airways
Author(s): S Eljamel, M Jackson
Learning Objectives
- Describe and identify
    - the main bronchial airway anatomy
    - the segmental bronchial airway anatomy
- Explain the route by which air reaches each lung
- List ways in which anatomy influences disease patterns
- Describe and identify normal variants in bronchial airway anatomy

Lecture 3
Title: Mediastinum
Description: Cross-sectional anatomy of the mediastinum
Author(s): E Del Vescovo, S McLenachan
Learning Objectives
- State the mediastinal divisions & list the major structures they contain
- Identify mediastinal great vessels, organs & lymph node stations on cross-sectional imaging
- Recognise common anatomical variants

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Musculoskeletal (IMSc only)

Lecture 1
Title: Spine
Description: Cervical, thoracic, lumbar & sacral spine: bones, cord, nerve roots & the cauda equina
Author(s): Lorna Gibson, Andrew Farrall
Learning Objectives

- Identify and describe the anatomy of
    - Cervical spine
    - Thoracic spine
    - Lumbar spine
    - Sacral spine

Lecture 2
Title: The lower limb
Description: Introduction to radiological anatomy of the lower limb
Author(s): Tom Blankenstein, Andrew Farrall
Learning Objectives

- Identify on common imaging modalitis, and describe, the anatomy of lower limb:
    - Bones
    - Vessels
    - Joints
    - Muscle compartments

Lecture 3
Title: Upper limb anatomy
Description: Radiologic anatomy of shoulder, elbow, wrist & hand; supporting muscles & ligaments; circulation; and nerves.
Author(s): Andrew Farrall, Kenneth Muir
Learning Objectives

- Identify, locate on imaging, and explain the anatomy of the upper limb:
    - Bones
    - Joints
    - Muscles
    - Blood vessels
    - Nerves

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Abdominal (IMSc only)

Lecture 1
Title: Abdominal & pelvic anatomy
Description: Radiologic anatomy of abdominal organs and circulation
Author(s): Dr Andrew Farrall
Learning Objectives

- Identify, locate on imaging, and explain the anatomy of the abdominal & pelvic:
    - Organs
    - Vessels