

Edinburgh Imaging

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Body Anatomy

Semester 1 / Autumn

10 Credits

Each Course is composed of Modules & Activities.

Modules:

Cardio-thoracic	IMSc	MIAA
Musculo-skeletal	IMSc	
Abdominal	IMSc	MIAA

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

These Modules are taught on the following Programmes, or are incorporated into blended Courses which teach students enrolled outwith the Edinburgh Imaging Academy:

- IMSc - Imaging programme
- MIAA - Medical Imaging and Anatomy - course for MSc Human Anatomy & Dip / Cert Anatomical Sciences

Edinburgh Imaging Academy – online distance learning courses

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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

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Cardio-thoracic

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

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 modalities, 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

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