

## Core Surgical Anatomy – Learning outcomes

### **Thorax 3 – Mediastinum, concentrating on superior and posterior**

Describe the boundaries of the thoracic inlet and outlet and the structures that pass through them and their relations.

Describe the arrangement and contents of the superior, anterior, middle and posterior parts of the mediastinum.

Describe the relationship of the structures in the hilum of the lung to the mediastinum.

Describe the origin, course and relationships of the azygos venous system.

Describe the origin, course and distribution of the vagus and phrenic nerves.

Describe the distribution and function of the sympathetic chains and thoracic splanchnic nerves. Explain the mechanism of referred pain from T1-5 sympathetic afferents to the chest wall and relate it to the thoracic viscera.

Describe the course, major relations and neurovascular supply of the oesophagus

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Describe the course and major relations of the thoracic duct. Explain the lymph drainage within the thorax and its clinical significance.

Identify major thoracic structures on standard diagnostic images e.g. CT, MRI, X-ray and ultrasound.