

Core Surgical Anatomy – Learning outcomes

Thorax 2 – Lungs, pleura, trachea, bronchi, diaphragm, 2ndry muscles of respiration

Describe the anatomy of the joints between the ribs, vertebrae, costal cartilages and sternum. Explain their contribution to the movements of ventilation.

Describe the attachments and relations of the diaphragm and the structures that pass through and behind it. Explain the movements of the diaphragm, its motor and sensory innervation and pleural and peritoneal coverings.

Explain the movements involved in normal, vigorous and forced ventilation and describe the muscles responsible for these movements.

Summarise the anatomy of the bronchial tree and bronchopulmonary segments and explain their functional and clinical significance.

Describe the blood supply, innervation and venous and lymphatic drainage of the lungs.

Describe the structures in the hilum of the lung and their relationship to each other.

Demonstrate the surface markings of the margins of the pleura and the lobes and fissures of the lungs and explain their clinical relevance.