Vagus & Phrenic Nerves in Neck, Thoracic Inlet & at Hilum of Lung

**VAGUS AND PHRENIC NERVES IN NECK**

Vagus nerves within carotid sheath

Phrenic nerves emerging from behind scalenus anterior to lie on its anterior surface, then off medial edge inferiorly

Subclavian vessels

Lung
PHRENIC AND VAGUS NERVES ENTERING THE THORAX

At the level of the thoracic inlet, both vagus and phrenic nerves enter the thorax between the veins anteriorly and the arteries posteriorly.

RELATIONS OF PHRENIC & VAGUS NERVES TO HILA

Right vagus medial to azygos arch then **POSTERIOR** to hilum to reach oesophagus

Left vagus over arch of aorta then **POSTERIOR** to hilum to reach oesophagus

Phrenic nerves passing **ANTERIOR** to each hilum, lying on pericardium