

## Primary Exam

### AnatomyMCQ Week 9

- 1 In the thoracic cavity  
A The left recurrent laryngeal nerve hooks around the pulmonary trunk  
B The brachiocephalic trunk does not originate in the midline  
C The right phrenic nerve passes through at T8 level  
D The arch of aorta is crossed by the phrenic nerve, which passes behind the lung root.  
E The trachea bifurcate at the level of T7  
Answer C

Explanation A- Ligamentum arteriosum, B- Arises in the midline and ascends to the right, D- P.N in front, vagus behind, E- upper border of T5  
Subject Anatomy

Category Thorax

Reference:

Text Last  
Edition 10<sup>th</sup>  
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- 2 One of the following statements is incorrect regarding the diaphragm  
A Peripheral part of the diaphragm gets sensory supply from phrenic nerve  
B The left phrenic nerve passes to the under surface of the diaphragm by piercing the muscular dome of the diaphragm.  
C Aortic opening of the diaphragm is at T12 level  
D The right diaphragmatic crus forms a sling around the oesophageal opening  
E The azygous nerve passes through the aortic opening of the diaphragm  
Answer A

Explanation Central by phrenic nerve, peripheral by intercostal nerve

Subject Anatomy

Category Thorax

Reference:

Text Last  
Edition 10<sup>th</sup>  
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## Sample MCQ's - J Flynn 31 May 2005

1	<b>A typical intercostal nerve</b>
A	Is a dorsal ramus of a thoracic spinal nerve
B	Travels superficial to the internal intercostal muscle
C	Ends as an anterior cutaneous nerve that in the upper 6 spaces passes posterior to the internal thoracic artery
D	Lies behind the artery at the back of the intercostal space
E	Gives off a lateral cutaneous branch that pierces the muscles of the body wall in the mid-clavicular line
Answer	D
Explanation	In its course around the space the i/c nerve lies below the vein & artery but in its course around the body wall the main nerve lies in a wider circle, embraces the narrower circle of the i/c vessels. At the back of the i/c space where the nerve crosses the i/c artery it lies behind the artery – at the front of the space it crosses in front of the internal thoracic artery
Subject	Anatomy – Thorax
Category	Intercostal nerve / Intercostal space
<b>Reference:</b> Text Edition Page	Last: 10 <sup>th</sup> Ed, Ch 4, p 177

2	<b>The trachea</b>
A	Commences at the level of C4 vertebra, 5cm above the jugular notch
B	In the adult is about 10 cm long and 2 cm diameter
C	Bifurcates at the level of the T6 vertebra
D	Is in contact with the left vagus
E	Lies posterior to the arch of the aorta
Answer	B
Explanation	The trachea commences at the level of C6 and bifurcates at the level of T4. The trachea lies to the right of the arch
Subject	Anatomy – Thorax
Category	Trachea +
<b>Reference:</b> Text Edition Page	Last: 10 <sup>th</sup> Ed, Ch 4, p 187 -9

## MCQ Template

1 With Regards to Nerves of the thorax, which of the following is FALSE

A The right phrenic nerve lies lateral to the right brachiocephalic vein

B The left recurrent laryngeal branch arises from the vagus, hooking around the ligamentum arteriosum

C The intercostal nerves run between the transversus thoracis internal intercostal muscles superior to the intercostal artery and vein

D 2/3rds of the phrenic nerve fibres are motor the rest are sensory

E The right recurrent laryngeal nerve hooks around the right subclavian artery

Answer C

Explanation The intercostal nerves DO run between the transversus thoracis internal intercostal muscles though they are INFERIOR to the intercostal artery and vein

Subject Anatomy

Category Thorax

Reference: Lasts Anatomy  
Text 10<sup>th</sup> edition  
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2 With regards to openings in the Diaphragm which of the following is TRUE

A The thoracic duct passes through the aortic opening

B The azygous and hemiazygous veins pass through the oesophageal opening

C The right phrenic nerve passes through the oesophageal opening

D The venacaval opening is to the right of the midline at the level of T10

E The right vagus nerve passes through the venacaval opening

Answer A

Explanation The thoracic duct passes through the aortic opening at the level of T12

Subject Anatomy

Category Thorax

Reference: Lasts Anatomy  
Text 10<sup>th</sup> Edition  
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