

## Anatomy MCQs Week 7

### 1. In the abdomen:

- Answer A** The coeliac trunk is the branch of the aorta that supplies the midgut
- Answer B** The subcostal arteries and the 5 paired lumbar branches supply the abdominal wall
- Answer C** The IVC enters the thorax at the level of T10, two levels higher than the abdominal aorta commences
- Answer D** The left renal artery is slightly longer than the right as it crosses the left crus and psoas
- Answer E** The iliac bifurcation occurs at the sacroiliac junction where the ureters cross to enter the pelvis

### 2. All of the following are retroperitoneal structures EXCEPT:

- Answer A** Sigmoid colon
- Answer B** 4<sup>th</sup> Part of Duodenum
- Answer C** Cecum
- Answer D** Pancreas
- Answer E** Kidneys

### 3. When lying supine, in which area would intraperitoneal fluid FIRST accumulate?

- Answer A** Left subhepatic compartment
- Answer B** Right subhepatic compartment
- Answer C** Left subphrenic compartment
- Answer D** Right subphrenic compartment
- Answer E** A and B

**4. Regarding structures that pass through the diaphragm:**

- Answer A**            The aorta passes through an opening at the level of T10
- Answer B**            The oesophagus lies in the fibres of the right crus
- Answer C**            The IVC passes through at the level of the right 7th costal Cartilage
- Answer D**            The IVC is accompanied by the azygous vein to the left
- Answer E**            The left phrenic nerve pierces the diaphragm to the left of the apex of the heart

**5. Which of the following is NOT a branch of the abdominal aorta?**

- Answer A**            Superior mesenteric
- Answer B**            Splenic
- Answer C**            Median sacral
- Answer D**            Right gonadal
- Answer E**            Right suprarenal

**6. Continence of a full anal canal depends on all of the following EXCEPT:**

- Answer A**            Contraction of external sphincter
- Answer B**            Contraction of puborectalis
- Answer C**            Contraction of the internal sphincter
- Answer D**            Maintenance of the angle between the rectum and the anal canal
- Answer E**            Mucosal cushions in the canal

**7. With regard to the appendix:**

- Answer A**            The mesoappendix is a triangular fold of peritoneum from the right (superior) layer of mesentery of the terminal ileum.
- Answer B**            The three teniae of the cecum merge to a complete muscle layer of the appendix.
- Answer C**            The retrocecal position is the most common in the absence of disease.
- Answer D**            It most commonly opens into the anteromedial wall of the cecum.
- Answer E**            McBurney's point lies 10cm above and medial to the inguinal ligament.

**8. With regard to the testis:**

- Answer A**            The blood supply is derived from the testicular artery, a branch of the genitofemoral artery.
- Answer B**            It is covered by a thick covering of fibrous tissue, the tunica vaginalis.
- Answer C**            The epididymis is attached to the posteromedial surface.
- Answer D**            It is supplied by sympathetic nerves predominantly from the T10 segment of the cord.
- Answer E**            The testicular appendix is attached to the lower pole of the testis within the tunica vaginalis.

## Answers Anat Week 7

1. E
2. A
3. B
4. E
5. B
6. C
7. B
8. D