



Anatomy of The Large Intestine





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Relations of (cecum, ascending colon and descending colon)				
Anteriorly	рс			
 Anterior abdominal wall Greater omentum Coils of small intestine 	cecum	Ascending colon	descending colon	
	Psoas majorIliacus	IliacusQuadratus lumborumRight kidney.	Left kidneyQuadratus lumborumIliacus	

Colic flexures				
flexure	Hepatic	Splenic		
Present in	right	left		
position	lower	higher		
angle	obtuse	more acute		

Relations of the transverse colon (oblique)				
Anterior	Posterior	Superior	Inferior	
 greater omentum anterior abdominal wall 	 2nd part of duodenum pancreas superior mesenteric vessels. 	 Liver gall bladder Stomach (forms the bed of the stomach separated from it by the lesser sac) 	coils of small intestine	

Appendix (functionally related to the lymphatic system) has base(fixed) & apex(mobile) Positions Surface anatomy Opening Apex could be: We can detect the position the base of appendix is marked of the apex with X-ray Retrocecal by Mc'Burney's point At posteromedial aspect of (most common) Mc'Burney's point: cecum, 1 inch below Pelvic • A point at the junction of lateral ileocecal junction Subcecal (below cecum) 1/3 & medial 2/3 of a line traced Preilieal from right anterior superior iliac Postileal • spine to umbilicus (least common)

		Rectum			
Beginning	Termination	length	Relations in rectum		
				Male pelvis	Female pelvis
as a continuation of sigmoid colon at canal, one inch below & in front tip of coccyx. Its	below & in front of tip of coccyx. Its end is dilated to form the rectal	13 cm (5inches)	anterior	 seminal vesicles & vas deferens (both are on the base of urinary bladder) Posterior surfaces of urinary bladder prostate gland 	posterior wall of vagina of vagina If the patient has rect due to the compress then will likely develop then will likely develop the sacral plexu sciatic N
			posterior	Sacrumsacral plexuscoccyx	due to sacra sciatic N

relation between embryological origin & blood supply, lymph drainage & nerve supply					
artery	vein	lymphatics	Nerve supply		
Mid gut (cecum, ascending & right 2/3 of transverse): Superior mesenteric			Midgut (from yolk sac) (endoderm) Nerve supply: (Autonomic) via: Sympathetic + Vagus (parasympathetic)		
Hindgut (left 1/3 of transverse, descending and the upper 1/3 of the rectum): inferior mesenteric	and the upper 1/3 i): (superior & inferior veins)	lymph vessels follow the arteries. collected at the: Preaortic lymph nodes (Superior & Inferior mesenteric)	Hindgut (endoderm) (including the upper 2/3 of anal canal) Nerve supply: (Autonomic) via: Sympathetic + pelvic splanchnic nerves (parasympathetic) (S2,3 and 4 spinal Ns) ectoderm (lower 1/3 of anal		
			canal) Nerve Supply: Somatic via: inferior rectal (origin: sacral plexus>pudendal N>inferior rectal)		

MCQs

 1-Which of the following In the Posterior Relations of the cecum: A. Psoas major B. Quadratus lumborum C. Right kidney D. Left kidney 2-Which of the following In the superior relations of the transverse colon: A. coils of small intestine B. liver, gall bladder C. C. 2nd part of duodenum D. greater omentum, anterior abdominal wall 3-The termination of the rectum is: A. as a continuation of sigmoid colon at level of S3. B. continues as anal canal, one inch below & in front of tip of coccyx. C. sacral plexus & coccyx 4-Which one of the following is the nerve supply of the Hindgut (endoderm): A. Sympathetic + pelvic splanchnic nerves B. Somatic (inferior rectal) C. Sympathetic + Vagus 5-all the lymph in the GIT is collected at the: A. Preaortic lymph nodes (anterior & Inferior mesenteric). B. Preaortic lymph nodes 	6-In which one of the following regions lies McBurney's point? A. Right iliac fossa B. Hypogastrium C. Right lumbar region D. Umbilical region 7-Which one of the following parts of large intestine is found in the pelvis? A. Transverse colon B. Anal canal C. Rectum D. Cecum 8-Which one of the following is the commonest site of the vermiform appendix? A. Pelvic B. Preileal C. Retrocecal D. Subcecal 9-Which ONE of the following parts of large intestine has mesentery? A. Ascending colon B. Descending colon C. Rectum D. Sigmoid colon 10-Which ONE of the following parts of large intestine RETROPERITONEAL ? A. Cecum B. Descending colon C. Appendix D. Sigmoid colon
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12-Which ONE of the following parts	of large intestine
DEVOID OF PERITONEAL COVERI	NG?
A. Anal canal	
B. Descending colon	
C. Appendix	
D. Sigmoid colon	

D. Sigmoid colon 12-Which one of the following is the least common

site of the vermiform appendix?

A. Pelvic

B. Postileal

C. Retrocecal

D. Subcecal

13-Which one of the following parts of large intestine is found in the ABDOMEN?

A. Sigmoid colon

B. B. Anal canal

C. C. Rectum

D. Cecum

14-Which one of the following parts of large intestine is found in the PERINEUM?

A. Sigmoid colon

B. Anal canal

C. Rectum

D. Cecum

15- at which one of the following levels rectum will begin??

- A. S2
- B. S3

C. S4

D. S5

16-Which one of the following is anterior relation of RECTUM in MALE PELVIS?

A. Urethra

- B. Vas deferens
- C. Urinary bladder
- D. Sacrum

17- RIGHT colic flexure is higher and more acute than the LEFT?

A. True

B. False

18- the parasampathatic supply of MIDGUT?

A. Inferior rectal

B. pelvic splanchnic nerves

C. Vagus

19- Which one of the following structures lies in the posterior relation of transverse colon??

A. Liver

B. Stomach

C. Coils of small intestine

D. Pancreas

20-Which one of the following structures lies in the posterior relation of Descending colon?

- A. Abdominal aorta
- B. Left kidney
- C. Stomach
- D. pancreas

GOOD LUCK DOCTORS

Key answers:

1.A 2.B 3.B 4.A 5.A 6.A 7.C 8.C 9.D 10.B 11.A 12.A 13.D 14.B 15.B 16.C 17.B 18.C

19.D 20.B

Done by: خلود العنزي MCQs by: 433 anatomy team work Here's to the crazy ones — the misfits, the rebels, the troublemakers, the round pegs in the square holes. The ones who see things differently — they're not fond of rules. You can quote them, disagree with them, glorify or vilify them, but the only thing you can't do is ignore them because they change things. They push the human race forward, and while some may see them as the crazy ones, we see genius, because the ones who are crazy enough to think that they can change the world, are the ones who do.

Steve Jobs

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