

# Netter's Anatomy Flash Cards – Section 4 – List 4<sup>th</sup> Edition

<https://community-courses.memrise.com/community/course/1577335/netters-anatomy-flash-cards-section-4/>

<b>Section 4</b>		<b>Abdomen (31 cards)</b>
<b>Plate 4-1</b>		<b>Bony Framework of Abdomen</b>
1.1	Costal cartilages	
1.2	Iliac crest	
1.3	Anterior superior iliac spine	
1.4	Anterior inferior iliac spine	
1.5	Superior pubic ramus	
1.6	Pubic arch	
1.7	Pecten pubis	
1.8	Greater trochanter of femur	
1.9	Ischial spine	
1.10	Iliac crest	
1.11	Xiphoid process	
1.12	Body of sternum	
<b>Plate 4-2</b>		<b>Anterior Abdominal Wall: Superficial Dissection</b>
2.1	External oblique muscle: muscular part (A) and aponeurotic part (B)	
<b>Plate 4-3</b>		<b>Anterior Abdominal Wall</b>
3.1	Internal oblique muscle	
<b>Plate 4-4</b>		<b>Anterior Abdominal Wall</b>
4.1	Rectus abdominis muscle	
<b>Plate 4-5</b>		<b>Anterior Abdominal Wall</b>
5.1	Cremaster muscle	
<b>Plate 4-6</b>		<b>Anterior Abdominal Wall:</b>
6.1	Superior epigastric vessels	
6.2	Rectus abdominis muscle	
6.3	Transversus abdominis muscle	
6.4	Posterior layer of rectus sheath	
6.5	Inferior epigastric vessels	
6.6	Inguinal ligament (Poupart's ligament)	
6.7	Inguinal falx (conjoint tendon)	
6.8	Cremasteric muscle (middle spermatic fascia)	
6.9	Lacunar ligament (Gimbernat's ligament)	
6.10	Medial umbilical ligament (occluded part of umbilical artery)	
6.11	Arcuate line	
6.12	Transversalis fascia	
6.13	Anterior layer of rectus sheath	
6.14	Linea alba	
<b>Plate 4-7</b>		<b>Posterior Abdominal Wall: Internal View</b>
7.1	Quadratus lumborum muscle	
<b>Plate 4-8</b>		<b>Posterior Abdominal Wall: Internal View</b>
8.1	Diaphragm	
<b>Plate 4-9</b>		<b>Autonomic Nerves and Ganglia of Abdomen</b>
9.1	Right greater and lesser splanchnic nerves	
9.2	Right sympathetic trunk	
9.3	2nd and 3rd lumbar splanchnic nerves	
9.4	Pelvic splanchnic nerves	
9.5	Right and left hypogastric nerves to inferior hypogastric (pelvic) plexus	
9.6	Superior hypogastric plexus	
9.7	Inferior mesenteric ganglion	
9.8	Superior mesenteric ganglion and plexus	
9.9	Celiac ganglia	
9.10	Vagal trunks: Anterior and Posterior	
<b>Plate 4-10</b>		<b>Autonomic Reflex Pathways: Schema</b>
10.1	Dorsal root (spinal) ganglion	
10.2	White ramus communicans	

10.3	Gray ramus communicans
10.4	Ganglion of sympathetic trunk
10.5	Superior mesenteric ganglion
10.6	Celiac ganglion
10.7	Vagus nerve (CN X)
10.8	Ventral (anterior) root
10.9	Intermediolateral cell column
<b>Plate 4-11</b>	<b>Nerves of Kidneys, Ureters, and Urinary Bladder</b>
11.1	Greater splanchnic nerve
11.2	Celiac ganglia and plexus
11.3	Superior mesenteric ganglion
11.4	Inferior mesenteric ganglion
11.5	Sympathetic trunk and ganglion
11.6	Superior hypogastric plexus
11.7	Pelvic splanchnic nerves
11.8	Inferior hypogastric (pelvic) plexus with peri-ureteric loops and branches to lower ureter
<b>Plate 4-12</b>	<b>Visceral Referred Pain</b>
12.1	Duodenum and head of the pancreas
12.2	Gallbladder
12.3	Liver
12.4	Cecum and colon
12.5	Sigmoid colon
12.6	Kidney
12.7	Small intestine
12.8	Spleen
12.9	Stomach
12.10	Liver, gallbladder, and duodenum (irritation of diaphragm)
12.11	Gallbladder
12.12	Liver
<b>Plate 4-13</b>	<b>Veins of Anterior Abdominal Wall</b>
13.1	Subclavian vein
13.2	Axillary vein
13.3	Lateral thoracic vein
13.4	Anterior intercostal veins
13.5	Internal thoracic vein
13.6	Inferior epigastric veins
13.7	Superficial epigastric vein
13.8	Superficial epigastric vein
13.9	Thoraco-epigastric vein
13.10	Lateral thoracic vein
13.11	Jugular veins (External; Internal; Anterior)
<b>Plate 4-14</b>	<b>Inguinal Canal and Spermatic Cord</b>
14.1	Testicular vessels and genital branch of the genitofemoral nerve
14.2	Inferior epigastric vessels
14.3	Medial umbilical ligament (occluded part of umbilical artery)
14.4	Rectus abdominis muscle
14.5	Median umbilical ligament (urachus)
14.6	Superficial inguinal rings
14.7	Intercrural fibers
14.8	Inguinal ligament (Poupart's ligament)
14.9	Cremasteric muscle
14.10	Spermatic cord
14.11	Internal spermatic fascia (from transversalis fascia at deep inguinal ring)
14.12	External abdominal oblique muscle
14.13	Internal abdominal oblique muscle
14.14	Transversus abdominis muscle
14.15	Transversalis fascia
14.16	Peritoneum
<b>Plate 4-15</b>	<b>Arteries of Stomach, Liver, and Spleen</b>
15.1	Abdominal aorta

15.2	Celiac trunk
15.3	Left hepatic artery
15.4	Cystic artery
15.5	Hepatic artery proper
15.6	Right gastric artery
15.7	Gastroduodenal artery
15.8	Right gastro-omental (gastro-epiploic) artery
15.9	Common hepatic artery
15.10	Left gastro-omental (gastro-epiploic) artery
15.11	Short gastric arteries
15.12	Splenic artery
15.13	Left gastric artery
<b>Plate 4-16</b>	<b>Arteries of Large Intestine</b>
16.1	Superior mesenteric artery
16.2	Middle colic artery
16.3	Straight arteries (arteriae rectae)
16.4	Marginal artery
16.5	Right colic artery
16.6	Ileocolic artery (Colic branch; Ileal branch)
16.7	Appendicular artery
16.8	Superior rectal artery
16.9	Sigmoid arteries
16.10	Left colic artery
16.11	Inferior mesenteric artery
16.12	Jejunal and ileal (intestinal) arteries
<b>Plate 4-17</b>	<b>Arteries of Posterior Abdominal Wall</b>
17.1	Inferior phrenic arteries
17.2	Celiac trunk with common hepatic, left gastric, and splenic arteries
17.3	Middle suprarenal artery
17.4	Right renal artery
17.5	1st to 4th right lumbar arteries
17.6	Common iliac arteries
17.7	Internal iliac artery
17.8	External iliac artery
17.9	Inferior epigastric artery
17.10	Inferior mesenteric artery
17.11	Abdominal aorta
17.12	Testicular (ovarian) arteries
17.13	Superior mesenteric artery
<b>Plate 4-18</b>	<b>Renal Artery and Vein in Situ</b>
18.1	Right middle suprarenal artery
18.2	Right renal artery and vein
18.3	Abdominal aorta
18.4	Superior mesenteric artery ( <i>cut</i> )
18.5	Left testicular (ovarian) artery and vein
18.6	Left inferior suprarenal artery
18.7	Left inferior phrenic artery
18.8	Esophagus
<b>Plate 4-19</b>	<b>Veins of Posterior Abdominal Wall</b>
19.1	Inferior phrenic veins
19.2	Inferior vena cava
19.3	Right renal vein
19.4	1st to 4th right lumbar veins
19.5	Common iliac vein
19.6	External iliac vein
19.7	Internal iliac vein
19.8	Common iliac vein
19.9	Ascending lumbar veins
19.10	Ovarian (testicular) veins
<b>Plate 4-20</b>	<b>Hepatic Portal Vein Tributaries: Portosystemic Anastomoses</b>

20.1	Para-umbilical veins
20.2	Right gastric vein
20.3	Hepatic portal vein
20.4	Superior mesenteric vein
20.5	Middle colic vein
20.6	Right colic vein
20.7	Ileocolic vein
20.8	Inferior rectal veins
20.9	Middle rectal veins
20.10	Left and right superior rectal veins
20.11	Left colic vein
20.12	Inferior mesenteric vein
20.13	Splenic vein
20.14	Left gastric vein
20.15	Esophageal veins
<b>Plate 4-21</b>	<b>Greater Omentum and Abdominal Viscera</b>
21.1	Greater omentum ( <i>turned up</i> )
21.2	Transverse colon ( <i>turned up</i> )
21.3	Right colic (hepatic) flexure
21.4	Small intestine (jejunum and ileum)
21.5	Ascending colon
21.6	Cecum
21.7	Urinary bladder
<b>Plate 4-22</b>	<b>Omental Bursa: Stomach Reflected</b>
22.1	Stomach (posterior surface)
22.2	Probe in omental (epiploic) foramen
22.3	Gallbladder
22.4	Descending (2nd) part of duodenum
22.5	Head of pancreas (retroperitoneal)
22.6	Transverse mesocolon
22.7	Left colic (splenic) flexure
22.8	Spleen
22.9	Left suprarenal (adrenal) gland (retroperitoneal)
<b>Plate 4-23</b>	<b>Omental Bursa: Cross Section</b>
23.1	Inferior vena cava
23.2	Omental (epiploic) foramen (of Winslow)
23.3	Portal triad (Common bile duct; Hepatic portal vein; Hepatic artery proper)
23.4	Omental bursa (lesser sac)
23.5	Pancreas
23.6	Stomach
23.7	Spleen
23.8	Left kidney
23.9	Splenic vein
23.10	Abdominal aorta
<b>Plate 4-24</b>	<b>Gallbladder and Extrahepatic Bile Ducts</b>
24.1	Common hepatic duct
24.2	Cystic duct
24.3	Superior (1st) part of duodenum
24.4	Hepatic ducts (Right; Left)
24.5	Cystic duct (Spiral fold; Smooth part)
24.6	Common bile duct
24.7	Pancreatic duct
24.8	Hepatopancreatic ampulla (of Vater)
<b>Plate 4-25</b>	<b>Surfaces of Liver</b>
25.1	Coronary ligament
25.2	Fissure for ligamentum venosum
25.3	Porta hepatis
25.4	Gallbladder
25.5	Quadrangle lobe
25.6	Bare area

25.7	Round ligament (ligamentum teres) of liver (obliterated umbilical vein) forming free border of falciform ligament
25.8	Falciform ligament
<b>Plate 4-26</b>	<b>Mucosa and Musculature of Small Intestine</b>
26.1	Anastomotic loop (arcade) of jejunal arteries
26.2	Straight arteries (arteriae rectae)
26.3	Circular folds (valves of Kerckring)
26.4	Anastomotic loops (arcades) of ileal arteries
26.5	Serosa (visceral peritoneum)
26.6	Aggregate lymphoid nodules (Peyer's patches)
<b>Plate 4-27</b>	<b>Mucosa and Musculature of Large Intestine</b>
27.1	Greater omentum ( <i>cut away</i> )
27.2	Transverse colon
27.3	Omental (epiploic) appendices (fat)
27.4	Ascending colon
27.5	Ileal orifice
27.6	Cecum
27.7	Appendix
27.8	Rectum
27.9	Sigmoid mesocolon
27.10	Sigmoid colon
27.11	Taeniae coli
27.12	Descending colon
27.13	Haustra
27.14	Semilunar folds
<b>Plate 4-28</b>	<b>Gross Structure of Kidney</b>
28.1	Cortex
28.2	Medulla (pyramids)
28.3	Renal papilla
28.4	Medullary rays
28.5	Ureter
28.6	Minor calices
28.7	Renal pelvis
28.8	Major calices
28.9	Renal column
<b>Plate 4-29</b>	<b>Abdominal Wall and Viscera: Median (Sagittal) Section</b>
29.1	Liver
29.2	Lesser omentum
29.3	Omental bursa (lesser sac)
29.4	Transverse mesocolon
29.5	Transverse colon
29.6	Small intestine
29.7	Urinary bladder
29.8	Rectum
29.9	Inferior (horizontal, or 3rd) part of duodenum
29.10	Pancreas
<b>Plate 4-30</b>	<b>Schematic Cross Section of Abdomen at T12</b>
30.1	Liver
30.2	Falciform ligament
30.3	Portal vein
30.4	Inferior vena cava
30.5	Omental bursa (lesser sac)
30.6	Right kidney
30.7	Abdominal aorta
30.8	Left suprarenal (adrenal) gland
30.9	Splenorenal ligament with splenic vessels
30.10	Spleen
30.11	Gastrosplenic ligament with short gastric vessels
30.12	Stomach
30.13	Rectus abdominis muscle (in rectus sheath)

30.14	Lesser omentum
<b>Plate 4-31</b>	<b>Schematic Cross Section of Abdomen at L2 and L3</b>
31.1	Ileum
31.2	Ascending colon
31.3	Right paracolic gutter
31.4	Psoas major muscle
31.5	Inferior vena cava
31.6	Abdominal aorta
31.7	Intervertebral disc (between L2 and L3 vertebral bodies)
31.8	Descending colon
31.9	Loops of jejunum
31.10	Internal oblique muscle
31.11	Greater omentum
31.12	Omental appendices (fat)
31.13	Linea alba
31.14	Transverse colon