



X + ... nary Anatomy Quiz ←

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28 / 1

The long axis of the kidney is directed in
?which of the following directions

Upwards and laterally .A

Downwards and medially .B

Directly vertical .C

Downwards and laterally .D

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:which of the following directions

A. Upwards and laterally

✗ إجابتك غير صحيحة

The orientation follows the paravertebral gutter, which expands as it descends

B. Downwards and medially

C. Directly vertical

D. Downwards and laterally

✓ الإجابة الصحيحة

The kidneys are positioned such that their upper poles are closer to the midline than their lower poles, resulting in an inferolateral orientation

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28 / 2

At the renal hilum, which structure is
typically positioned most posteriorly

A. Renal pelvis

B. Lymphatics

C. Renal vein

D. Renal artery

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28 / 2

At the renal hilum, which structure is typically positioned most posteriorly

A. Renal pelvis

✓ إجابتك صحيحة

Using the mnemonic VAP (Vein, Artery, Pelvis), the pelvis is the most posterior structure.

B. Lymphatics

C. Renal vein

D. Renal artery

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28 / 3

Which of the following nerves is NOT listed as a posterior relation to both ?kidneys

A. Ilio-inguinal nerve

B. Ilio-hypogastric nerve

C. Obturator nerve

D. Subcostal nerve

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listed as a posterior relation to both
?kidneys

A. Ilio-inguinal nerve

✗ إجابتك غير صحيحة

This nerve arises from the lumbar plexus and lies posterior to the lower part of the kidney.

B. Ilio-hypogastric nerve

C. Obturator nerve

✓ الإجابة الصحيحة

The obturator nerve is a relation of the infero-lateral surface of the urinary bladder, not the kidneys.

D. Subcostal nerve

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28 / 4

True or False: The renal fascia
(Zukercandle's fascia) is derived from the
.diaphragmatic fascia

True .A

False .B

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28 / 4

True or False: The renal fascia (Zukercandle's fascia) is derived from the .diaphragmatic fascia

True .A

✗ إجابتك غير صحيحة

The renal fascia is actually a derivative of .the fascia transversalis

False .B

✓ الإجابة الصحيحة

The source material specifies that the renal fascia is derived from the fascia .transversalis, not the diaphragmatic fascia

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28 / 5

The ascending branch of the right colic artery is an anterior relation to which ?kidney

A. Left kidney

B. Right kidney

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The ascending branch of the right colic artery is an anterior relation to which ?kidney

A. Left kidney

✗ إجابتك غير صحيحة

The left kidney is related to the ascending branch of the superior left colic artery instead.

B. Right kidney

✓ الإجابة الصحيحة

The right colic artery and its branches are specifically related to the right kidney due to its proximity to the ascending colon.

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28 / 6

Which specific vertebral level is the usual origin of the renal arteries from the
?aorta

A. L_3 B. T_{12} C. L_2 D. L_1

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A. L_3

✗ إجابتك غير صحيحة

This is the level of the inferior mesenteric artery, which can block the ascent of a horseshoe kidney.

B. T_{12} C. L_2

✓ الإجابة الصحيحة

The renal arteries arise from the abdominal aorta at the level of the L_2 vertebra.

D. L_1

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28 / 7

The renal segment that is NOT supplied by the anterior branch of the renal artery is the

A. Inferior segment

B. Superior segment

C. Anterior superior segment

D. Posterior segment

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Inferior segment .A

✗ إجابتك غير صحيحة

This segment is one of the four supplied by
.the anterior division

Superior segment .B

Anterior superior segment .C

Posterior segment .D

✓ الإجابة الصحيحة

The posterior branch of the renal artery
continues specifically as the posterior
.segmental artery

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28 / 8

In the case of a horseshoe kidney, the fusion typically occurs at the lower poles ?and its ascent is halted by which artery

A. Inferior mesenteric artery

B. Superior mesenteric artery

C. Renal artery

D. Common iliac artery

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28 / 8

In the case of a horseshoe kidney, the fusion typically occurs at the lower poles ?and its ascent is halted by which artery

A. Inferior mesenteric artery

✓ إجابتك صحيحة

The horseshoe kidney is trapped below the L_3 origin of the IMA, which is at the level of

B. Superior mesenteric artery

C. Renal artery

D. Common iliac artery

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28 / 9

The male urethra is approximately 20 cm long. Which part is considered the widest ?and most dilatable

Preprostatic part .A

Spongy part .B

Membranous part .C

Prostatic part .D

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Preprostatic part .A

✗ إجابتك غير صحيحة

This part is very short and surrounded by
.the internal sphincter

Spongy part .B

Membranous part .C

Prostatic part .D

✓ الإجابة الصحيحة

The prostatic urethra is fusiform in shape
and specifically noted for being the widest
.and most dilatable section

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28 / 10

True or False: The external urethral sphincter in males is composed of smooth muscle and is under involuntary control

True .A

False .B

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sphincter in males is composed of smooth muscle and is under involuntary control

A. True

✗ إجابتك غير صحيحة

The external sphincter is striated (skeletal) muscle and is voluntary

B. False

✓ الإجابة الصحيحة

The external sphincter is voluntary striated muscle supplied by the pudendal nerve, whereas the internal sphincter is involuntary smooth muscle

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28 / 11

Where do the ducts of the bulbourethral
?(Cowper's) glands open in the male

A. Prostatic sinus

B. Navicular fossa

C. Membranous urethra

D. Intrabulbar fossa of the penile urethra

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A. Prostatic sinus

✗ إجابتك غير صحيحة

This area receives the openings of the
.prostatic glands

B. Navicular fossa

C. Membranous urethra

D. Intrabulbar fossa of the penile urethra

✓ الإجابة الصحيحة

The ducts pierce the perineal membrane
and open into the dilated beginning of the
.spongy urethra

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28 / 12

The prostatic utricle is an anatomical landmark in the male urethra that is homologous to which female structure

A. Clitoris

B. Uterus

C. Ovary

D. Vagina

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landmark in the male urethra that is
?homologous to which female structure

A. Clitoris

✗ إجابتك غير صحيحة

The clitoris is homologous to the glans
.penis, not internal urethral features

B. Uterus

✓ الإجابة الصحيحة

The prostatic utricle is a small diverticulum
.that is the male homologue to the uterus

C. Ovary

D. Vagina

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28 / 13

What is the narrowest point of the entire
?male urethra

A. External urethral meatus

✓ إجابتك صحيحة

The opening at the tip of the glans penis is
the most constricted point of the whole
.urethral canal

B. Membranous urethra

C. Internal urethral meatus

D. Preprostatic urethra

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28 / 14

Which of the following is an effect of parasympathetic stimulation (via pelvic splanchnic nerves) on the urinary ?bladder

A. Relaxation of the detrusor muscle and contraction of the internal sphincter

B. Contraction of the detrusor muscle and relaxation of the internal sphincter

B. Contraction of the detrusor muscle and relaxation of the internal sphincter

C. Contraction of both the detrusor muscle and the internal sphincter

D. Voluntary control of the external sphincter

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?bladder

A. Relaxation of the detrusor muscle and contraction of the internal sphincter

✗ إجابتك غير صحيحة

This is the effect of sympathetic stimulation, which facilitates bladder filling

B. Contraction of the detrusor muscle and relaxation of the internal sphincter

✓ الإجابة الصحيحة

Parasympathetic fibers (S_2-S_4) facilitate bladder emptying by contracting the wall and relaxing the sphincter

C. Contraction of both the detrusor muscle and the internal sphincter

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The trigone of the bladder is unique because its mucosa is of a different embryological origin than the rest of the bladder. What is the origin of the trigone

A. Neural crest

B. Ectodermal

C. Endodermal

D. Mesodermal

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استنادًا إلى 4 مصادر

A. Neural crest

✗ إجابتك غير صحيحة

Neural crest cells contribute to the autonomic ganglia in the bladder wall, not the mucosa.

B. Ectodermal

C. Endodermal

D. Mesodermal

✓ الإجابة الصحيحة

The trigone area is derived from mesoderm, while the remainder of the bladder mucosa is endodermal.



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28 / 16

True or False: In adults, the empty urinary bladder is an abdominal organ located .above the pubic bones

True .A

False .B

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28 / 16

True or False: In adults, the empty urinary bladder is an abdominal organ located above the pubic bones

True .A

✗ إجابتك غير صحيحة

In adults, the empty bladder is a pelvic organ; it only becomes abdominal when distended or in infants

False .B

✓ الإجابة الصحيحة

The bladder is an abdominal organ at birth but descends to the pelvis in adults

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28 / 17

The 'Cave of Retzius' (retro-pubic space)
has its floor formed by which of the
following

A. Perineal membrane

B. Median umbilical ligament

C. Puboprostatic/Pubovesical ligaments

D. Recto-vesical fascia

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28 / 17

The 'Cave of Retzius' (retro-pubic space) has its floor formed by which of the following

A. Perineal membrane

✗ إجابتك غير صحيحة

This membrane is much lower, separating the deep and superficial perineal pouches

B. Median umbilical ligament

C. Puboprostatic/Pubovesical ligaments

✓ الإجابة الصحيحة

The true ligaments extending from the bladder neck to the pubic bone form the floor of this space

D. Recto-vesical fascia

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28 / 18

Which artery primarily supplies the
superior surface of the urinary bladder

A. Obturator artery

B. Middle rectal artery

C. Inferior vesical artery

D. Superior vesical arteries

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28 / 18

Which artery primarily supplies the
superior surface of the urinary bladder

A. Obturator artery

✗ إجابتك غير صحيحة

This artery supplies the infero-lateral
surfaces.

B. Middle rectal artery

C. Inferior vesical artery

D. Superior vesical arteries

✓ الإجابة الصحيحة

These are branches from the patent
proximal part of the umbilical artery and
supply the superior part

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Traumatic rupture of the male urethra just below the prostate (intrapelvic rupture) leads to urine extravasation into which ?space

A. Anterior abdominal wall between Scarpa's fascia and muscle

B. Perivesical and periprostatic spaces

C. Scrotum and penis

D. Peritoneal cavity

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استنادًا إلى 4 مصادر

Traumatic rupture of the male urethra just below the prostate (intrapelvic rupture) leads to urine extravasation into which space?

A. Anterior abdominal wall between Scarpa's fascia and muscle

✗ إجابتك غير صحيحة

This is characteristic of an extrapelvic rupture where the urine ascends behind Scarpa's fascia

B. Perivesical and periprostatic spaces

✓ الإجابة الصحيحة

In intrapelvic rupture (often associated with pelvic fractures), urine is contained within the pelvic fascial spaces

C. Scrotum and penis

D. Peritoneal cavity

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28 / 20

True or False: The female urethra is about 4 cm long and is more prone to infections because it is shorter and wider than the male urethra.

True .A

False .B

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28 / 20

True or False: The female urethra is about 4 cm long and is more prone to infections because it is shorter and wider than the male urethra.

True .A

✓ إجابتك صحيحة

The short, wide path of the female urethra allows for easier ascending infections

False .B

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استنادًا إلى 4 مصادر



28 / 21

A renal swelling can be distinguished from other abdominal masses by which ?clinical feature

A. It is dull on percussion over the entire surface

B. Ballotment and fullness in the renal angle

C. It moves horizontally with respiration

D. It can be easily pushed into the pelvis

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28 / 21

A renal swelling can be distinguished from other abdominal masses by which clinical feature

It is dull on percussion over the entire surface .A

✗ إجابتك غير صحيحة

Colonic resonance may be present over a renal mass as it is retroperitoneal

Ballotment and fullness in the renal angle .B

✓ الإجابة الصحيحة

Renal swellings are reniform, fill the renal angle (between the last rib and erector spinae), and can be ballotted

It moves horizontally with respiration .C

It can be easily pushed into the pelvis .D

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استنادًا إلى 4 مصادر

Which structure separates the kidney from the suprarenal gland, allowing one to be removed without damaging the ?other

A. Diaphragmatic fascia

B. Perirenal fat

C. A weak septum of renal fascia

D. Fibrous capsule

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استنادًا إلى 4 مصادر

Which structure separates the kidney from the suprarenal gland, allowing one to be removed without damaging the other?

A. Diaphragmatic fascia

✗ إجابتك غير صحيحة

The suprarenal gland is adherent to this, but it doesn't form the septum between the two organs.

B. Perirenal fat

C. A weak septum of renal fascia

✓ الإجابة الصحيحة

A thin fascial septum separates the two organs, which lie in separate compartments.

D. Fibrous capsule

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28 / 23

True or False: The left renal vein is shorter than the right renal vein because the inferior vena cava (IVC) is on the left side of the aorta.

True .A

False .B

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استنادًا إلى 4 مصادر

True or False: The left renal vein is shorter than the right renal vein because the inferior vena cava (IVC) is on the left side of the aorta

A. True

✗ إجابتك غير صحيحة

The IVC is on the right side, making the left renal vein longer as it must cross the .midline

B. False

✓ الإجابة الصحيحة

The left renal vein is longer and passes in front of the aorta to reach the IVC, which is .on the right

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28 / 24

Which part of the male urethra is most likely to be injured in a 'straddle' injury ?(perineal trauma)

A. Bulb of the penile urethra

B. Prostatic urethra

C. Preprostatic urethra

D. Navicular fossa

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28 / 24

Which part of the male urethra is most likely to be injured in a 'straddle' injury ?(perineal trauma)

A. Bulb of the penile urethra

✓ إجابتك صحيحة

Extrapelvic rupture typically affects the bulb of the penis in the superficial perineal pouch due to perineal trauma

B. Prostatic urethra

C. Preprostatic urethra

D. Navicular fossa

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28 / 25

The para-urethral mucous glands in females (Skene's glands) are homologous
?to which male structure

A. Seminal vesicles

B. Prostate gland

C. Bulbourethral glands

D. Bulb of penis

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The para-urethral mucous glands in females (Skene's glands) are homologous
?to which male structure

A. Seminal vesicles

✗ إجابتك غير صحيحة

Seminal vesicles are related to the vas
.deferens

B. Prostate gland

✓ الإجابة الصحيحة

Skene's glands are considered homologous
.to the male prostate

C. Bulbourethral glands

D. Bulb of penis

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28 / 26

True or False: The renal pelvis is funnel-shaped and is related posteriorly to the .psoas major muscle

True .A

False .B

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استنادًا إلى 4 مصادر



28 / 26

True or False: The renal pelvis is funnel-shaped and is related posteriorly to the .psoas major muscle

True .A

✓ إجابتك صحيحة

The renal pelvis is the upper funnel-shaped end of the ureter and lies on the .psoas major

False .B

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استنادًا إلى 4 مصادر



28 / 27

In the 'Morris Rectangle' used for surface anatomy on the back, the vertical lines are drawn at what distance from the ?spinous processes

.A 2 inches and 4 inches

.B 1 inch and 2 inches

.C 0.5 inches and 1.5 inch

.D 1 inch and 3 inches

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28 / 27

In the 'Morris Rectangle' used for surface anatomy on the back, the vertical lines are drawn at what distance from the ?spinous processes

A. 2 inches and 4 inches

✗ إجابتك غير صحيحة

These are not standard measurements for .the kidney rectangle

B. 1 inch and 2 inches

C. 0.5 inch and 1.5 inches

D. 1 inch and 3 inches

✓ الإجابة الصحيحة

The posterior surface anatomy (Morris rectangle) uses vertical lines at 1 and 3 .inches from the spines

🔖 اشرح لي

التالي

السابق

👍 محتوى سيئ

👍 محتوى جيد



nary Anatomy Quiz



استنادًا إلى 4 مصادر

The uvula vesicae in the bladder is an elevation produced by which of the following

A. Median lobe of the prostate

B. The interureteric ridge

C. The detrusor muscle thickening

D. Internal urethral sphincter



تلميح

تم

السابق

محتوى سيئ



محتوى جيد



nary Anatomy Quiz ←

استنادًا إلى 4 مصادر

The uvula vesicae in the bladder is an elevation produced by which of the following

A. Median lobe of the prostate

✓ إجابتك صحيحة

The uvula is an elevation just above the internal urethral meatus caused by the underlying median lobe of the prostate

B. The interureteric ridge

C. The detrusor muscle thickening

D. Internal urethral sphincter

تم

السابق

محتوى سيئ

محتوى جيد