

Anatomy Vocabulary—Test 1

Thoracic Wall

Thoracic Vertebrae

- body
- pedicle
- lamina
- transverse process
- articular processes (superior and inferior)
- spinous process
- vertebral foramen
- intervertebral foramen
- vertebral canal
- intervertebral discs

Ribs

- head
 - neck
 - tubercle
 - body
 - coastal groove
 - first rib
- Sternum etc.
- manubrium
 - body
 - xiphoid process
 - costal cartilages
 - jugular notch
 - sternal angle
 - clavicle

Superficial Fascia etc.

- epidermis
- dermis
- superficial fascia
- deep fascia
- retinacula cutis

Breasts

- retromammary space
- suspensory ligaments
- nipple
- areola
- lactiferous ducts

Platysma

Serratus Anterior

Cutaneous Branches of Spinal Nerves

- lateral cutaneous branch
- intercostobrachial nerve
- anterior and posterior branches

Pectoralis Major

- sternocostal head
- clavicular head
- deltopectoral triangle
- cephalic vein
- lateral pectoral nerve
- clavipectoral fascia
- medial pectoral nerve

Pectoralis Minor and Subclavicus

- axillary vein
- thoracoacromial artery
- lateral thoracic artery

Intercostal Space and Muscles

- external intercostal muscles
- internal intercostal muscles
- innermost intercostal muscles
- Intercostal nerve and vessels
- Internal thoracic vein
- Internal thoracic (mammary) arteries

Anterior Thoracic Wall

- Transversus throascis
- sternocostal joints
- synovial cavity

Back

Cervical Vertebrae

- foramen transversarium (transverse foramen)
- atlas

- posterior tubercle on posterior arch
- anterior tubercle on anterior arch
- transverse process
- foramen transversarium
- groove for the vertebral artery

--axis

- spinous process
- transverse process
- foramen transversarium
- vertebral foramen
- dens

Scapula

- spine
- acromion
- coracoid process
- superior, inferior and medial angles

Iliac Crest

- posterior superior iliac spine

Occipital bone

- external occipital protuberance/inion
- Nuchal lines (superior and inferior)
- Mastoid process

Occipital Area

- greater occipital nerve (ex of dorsal rami)
- occipital artery

Superficial Muscles etc.

- trapezius
- latissimus dorsi
- triangle of osculation
- lumbar triangle
- superior, middle and inferior regions of trap.
- accessory nerve
- throacolumbar fascia
- rhomboideus major
- rhomboideus minor
- levator scapulae

Intermediate Muscles etc.

- serratus posterior superior
- serratus posterior inferior

Deep Muscles etc.

- splenius capitus
- splenius cervicus
- semispinalis capitus
- transversospinalis
- erector spinae
 - iliocostalis
 - longissimus
 - spinalis
 - longissimus capitus

Suboccipital Region

Occipital Bone

- foramen magnum

Suboccipital Triangle

- obliquus capitis inferior
- rectus capitis posterior major
- obliquus capitis superior
- suboccipital nerve
- vertebral artery
- posterior alanto-occipital membrane

Vertebral Canal and Spinal Cord

Vertebral Canal Ligaments

- supraspinous ligaments
- interspinous ligaments

- ligamenta flavam

Membranes of the Spinal Cord

- epidural space
- dural sac
- dura matter
- arachnoid mater
- subarachnoid space
- denticulate ligaments

Spinal Cord

- spinal arteries
- cervical enlargement
- lumbar enlargement
- conus medullaris
- cauda equina
- filium terminale
- spinal nerves
- dorsal and ventral roots
- dorsal root ganglion

Pleural Cavities

General

- superior thoracic aperture/ thoracic inlet --
- inferior thoracic aperture/thoracic outlet
- pleural cavities
- mediastinum
- lung
 - visceral pleura
 - root of the lung
 - parietal pleura
 - costal
 - mediastinal
 - diaphragmatic
 - cervical

- pleural reflections
- costomediastinal recess
- costodiaphragmatic recess
- endothroacic fascia

Lungs

- oblique fissure
- horizontal fissure
- superior, middle and inferior lobes of R lung
- superior and inferior lobes of L lung
- phrenic nerve
- vagus nerve
- apex
- cardiac notch

- lingula
- costal, medial and basal lung surfaces
- cardiac impression
- groove for esophagus
- groove for aortic arch and descending aorta
- hilus
- bronchus
- pulmonary artery
- pulmonary veins
- main bronchus
- superior, middle, and inferior lobar bronchi
- segmental bronchi

Pleurae

- esophagus
- descending aorta
- intercostal arteries and veins and nerves

Sympathetic Trunk

- sympathetic ganglia
- rami communicantes
- greater splanchnic nerve

Mediastinum

Mediastinum

- superior
- anterior
- middle
- posterior

Middle Mediastinum

- heart
- pericardium
 - fibrous layer
 - serous layer
- epicardium/visceral pericardium
- pericardial cavity
- superior and inferior vena cava
- ascending aorta and arch of aorta
- pulmonary trunk
- pulmonary veins (4 of them)
- ligamentum arteriosum
- left vagus nerve
- recurrent laryngeal nerve
- transverse pericardial sinus
- oblique pericardial sinus

Heart Surface Anatomy

- right atrium
- right ventricle

- left atrium
- left ventricle
- atrioventricular groove
- ant. and post. interventricular grooves
- right border of heart
- left border of heart
- apex
- L and R auricle
- inferior border

Coronary Arteries

- orifice of L coronary artery
- anterior interventricular branch
- circumflex branch
- orifice of R coronary artery
- marginal branch
- posterior interventricular branch
- anterior right atrial branch

Cardiac Veins

- coronary sinus
- great cardiac vein
- middle cardiac vein

Right Atrium

- pectinate muscles
- crista terminalis
- valve of coronary sinus
- openings of coronary sinus, IVC and SVC
- atrioventricular (tricuspid) orifice
- fossa ovalis

Right Ventricle

- atrioventricular (tricuspid) orifice
- tricuspid valve
- chordae tendineae
- papillary muscles
- trabeculae carneae
- moderator band
- conus arteriosus
- semilunar valve of pulmonary trunk w/ nodes

Left Atrium

- entrances of 4 pulmonary veins
- mitral orifice
- foramen ovale

Left Ventricle

- mitral orifice
- mitral (bicuspid) valve
- chordae tendineae
- trabeculae carneae

- semilunar aortic valve w/ nodes
- muscular part of interventricular septum
- membranous part of interventricular septum

Anterior Abdominal Wall

Important Landmark Bones

- xiphisternal junction
- costal margin
- pubic symphysis
- pubic crest
- pubic tubercle
- inguinal ligament
- anterior superior iliac spine
- tubercle of the iliac crest

Fascia

- superficial fascia (Camper's)
- Scarpa's fascia

Muscles of the Anterior Abdominal Wall

- external oblique
- superficial inguinal ring
- lateral crus
- medial crus
- intercrural fibers
- inguinal ligament
- spermatic cord
- ilioinguinal nerve
- internal oblique
- second arch of the arcade
- conjoint tendon --transversus abdominis
- deep inguinal ring
- fascia transversalis
- rectus abdominis
- rectus sheath
- tendinous insertions
- inferior epigastric vessels
- superior epigastric vessels
- linea alba

Posterior Mediastinum

Structures

- esophagus
- right and left vagus nerves
- esophageal plexus
- ligamentum arteriosum

- left recurrent laryngeal nerve
- posterior and anterior vagal trunks
- azygos vein
- intercostal veins
- thoracic duct
- descending aorta
- posterior intercostals branches of aorta
- bronchial arteries
- diaphragm
- thoracic greater splanchnic nerve
- thoracic lesser splanchnic nerve

Superior Mediastinum

Structures

- thymus

Great Veins

- left and right brachiocephalic veins
- superior vena cava

Aortic Structures

- arch of the aorta
- brachiocephalic trunk of aorta
- left common carotid artery
- left subclavian artery

Phrenics and Vagii

- left phrenic nerve
- left vagus nerve
- right phrenic nerve
- right vagus nerve

Trachea

- trachea
- tracheobronchial lymph nodes
- bifurcation of the trachea
- tracheal rings
- carina

Anatomy Vocab—Test 2

Peritoneum and Peritoneal Cavity

General

- peritoneum
- parietal peritoneum
- peritoneal cavity
- visceral peritoneum
- retroperitoneal organs

Abdominal Cavity and Viscera

- greater omentum
- lesser omentum
- diaphragm
- liver
- gallbladder
- stomach
- greater and lesser curvatures
- pylorus
- spleen
- small intestine
- large intestine

Small Intestine

- duodenum
- jejunum
- ileum
- duodenojejunal junction
- suspensory ligament/muscle of the duodenum
- ileocecal junction
- root of the mesentery
- intestinal border of the mesentery

Large Intestine

- veriform appendix
- cecum
- ascending colon
- hepatic flexure
- transverse colon
- splenic flexure
- phrenocolic ligament
- transverse mesocolon
- descending colon
- sigmoid colon
- rectum
- (anterior) teniae coli
- haustra
- appendices epiploicae

Liver

- right and left lobes
- diaphragmatic surface
- visceral surface
- porta hepatis
- gallbladder
- hepatogastric ligament
- hepatoduodenal ligament
- hepatic artery
- portal vein
- bile passages
- epiploic foramen
- lesser sac
- falciform ligament
- subphrenic recess
- bare area
- coronary ligament
- left triangular ligament
- right triangular ligament
- hepatorenal ligament
- hepatorenal pouch

Lesser Sac

- lesser omentum
- inferior recess --superior recess

Spleen

- splenorenal ligament
- gastrosplenic ligament

Gutters

- right lateral gutter
- left lateral gutter
- gutter to the right of the mesentery
- gutter to the left of the mesentery

Bile Pass., Celiac Trunk, Portal Vein

Bile Passages

- bile duct
- cystic duct
- common hepatic duct
- right and left hepatic ducts
- hepatic lymph nodes

Arteries

- celiac trunk

- common hepatic artery
- hepatic artery proper
- gastroduodenal artery
- right gastric artery
- left hepatic artery
- right hepatic artery
- cystic artery
- splenic artery
- left gastric artery
- right gastroepiploic artery
- left gastroepiploic artery

Veins

- splenic vein
- portal vein
- superior mesenteric vein
- inferior mesenteric vein
- gastric veins

Superior and Inferior Mesenteric Vessels

Superior Mesenteric

- superior mesenteric artery
- superior mesenteric vein
- intestinal arteries
- vasa recta
- ileocolic artery
- right colic artery
- middle colic artery
- superior mesenteric nodes

Inferior Mesenteric

- inferior mesenteric artery
- left colic artery
- sigmoid arteries
- superior rectal artery
- inferior mesenteric vein
- inferior mesenteric nodes

Removal of the GI Tract

- rectum
- mesentery of the sigmoid colon
- inferior vena cava

Detailed Examination of the GI Tract

Arteries, Veins, and Lymph Nodes

- portal vein
- esophageal and gastric veins
- celiac trunk

- autonomic nerve fibers
- splenic artery
- pancreaticosplenic nodes
- left gastric artery
- common hepatic artery
- hepatic artery proper
- gastroduodenal artery
- superior pancreaticoduodenal arteries
- superior mesenteric artery
- inferior pancreaticoduodenal arteries

Bile Passages

- bile duct
- major duodenal papilla
- main pancreatic duct
- sphincter of Oddi
- plica
- cystic duct
- gallbladder

Liver

- bare area
- coronary ligament
- right, left, quadrate, and caudate lobes
- right sagittal fossa
- left sagittal fissure
- transverse fissure
- porta hepatis
- inferior vena cava
- hepatic veins
- hepatic lymph nodes
- celiac nodes

Spleen

- hilus
- borders (anterior, superior, posterior, inferior)
- visceral and diaphragmatic surfaces

Stomach

- rugae
- pyloric sphincter

Small Intestine

- plicae circulares of varying quantities

Colon

- haustra
- plicae semilunares

Posterior Abdominal Structures

Vessels

- left testicular/ovarian vein
- right testicular/ovarian vein

- left renal vein
- right renal vein
- venous channels from the left adrenal
- inferior phrenic arteries
- left renal artery
- right renal artery
- IVC
- right and left testicular/ovarian arteries

Aorta

- celiac
- superior mesenteric
- inferior mesenteric
- suprarenal
- testicular/ovarian
- renal
- lumbar arteries
- bifurcation
- common iliac arteries

Kidney

- perirenal fat
- renal fascia
- fibrous capsule
- renal cortex
- renal medulla
- renal pyramids
- renal columns
- renal papillae
- calyces minores
- calyces majores
- renal pelvis
- ureter
- abdominal part of ureter
- pelvic part of ureter
- left and right adrenal glands

Muscles

- transversus abdominis
- quadratus lumborum
- psoas major
- psoas minor
- iliacus
- iliopsoas
- 12th rib

Nerves

- lumbar nerve plexus
- subcoastal nerve
- iliohypogastric nerve
- ilioinguinal nerve
- genitofemoral
- lateral femoral cutaneous nerve

- femoral nerve
- obturator nerve
- lumbosacral trunk
- sympathetic trunk

Thoracic Diaphragm

- sternal part
- costal part
- lumbar part
- right and left crus
- medial arcuate ligaments
- lateral arcuate ligaments
- central tendon
- vena caval foramen
- esophageal hiatus
- aortic hiatus
- greater splanchnic nerves

Pelvis and Perineum

General

- peritoneal cavity
- floor of the pelvis
- anal triangle
- urogenital triangle
- perineum
- parietal pelvic fascia
- visceral pelvic fascia
- retropubic space

Bones and Ligaments

- pelvis
- pelvic brim
- true pelvis
- false pelvis
- pelvic inlet
- pelvic outlet
- right and left innominate bones
- sacrum and coccyx
- pubic symphysis
- obturator foramen
- obturator membrane
- pubic arch
- ischial tuberosity
- ischial spine
- sacrospinous ligament
- sacrospinous ligament
- lesser and greater sciatic foramen
- anterior sacral foramina
- sacral promontory

- sacral canal
- sacroiliac articulation

Anal Region

- gluteus maximus
- sacrospinous ligament
- greater and lesser sciatic foramen
- inferior rectal nerve and vessels
- external anal sphincter
- obturator internus muscle
- pudendal canal
- pudendal nerve
- internal pudendal vessels

Female Pelvis and Perineum

General

- anal canal
- anus
- urinary bladder
- urethra
- vagina
- uterus
- ovary
- fornix of the vagina

External Genitalia

- labia majora and minora
- vestibule of the vagina
- clitoris and prepuce of the clitoris
- vaginal orifice
- external urethral orifice
- paraurethral glands
- perineal body
- round ligament of the uterus
- posterior labial nerves and vessels
- suspensory ligament of the clitoris

Superficial Perineal Space

- superficial perineal fascia
- superficial perineal pouch
- superficial transverse perineal m.
- ischiocavernosus m.
- bulbospongiosus m.
- bulbs of the vestibule
- greater vestibular gland

Clitoris

- glans
- prepuce
- body
- left and right crura

Deep Perineal Space

- deep transverse perineal muscle
- external urethral sphincter

Peritoneum in the Female Pelvis

Pouches

- vesicouterine pouch
- rectouterine pouch
- paravesical fossa
- pararectal fossa
- retropubic space
- retrorectal space
 - pelvic splanchnic nerves
 - pelvic plexus

Ligaments

- broad ligament of the uterus/mesometrium
- mesosalpinx
- mesovarium
- parametrium
- uterine tube
- round ligament of the uterus
- ligament of the ovary
- suspensory ligament of the ovary
- sacrouterine ligaments
- transverse cervical ligament
- pubovesical ligament

Muscles

- obturator internus m.
- tendinous arch
- pelvic diaphragm
- origins of the levator ani (tendinous arch)
- levator ani
 - puborectalis
 - pubococcygeus
 - iliococcygeus
- ischiococcygeus
- piriformis m.

Urinary System

- urethra
- external urethral orifice
- external urethral sphincter m.
- internal urethral orifice
- internal urethral sphincter m.
- ureters
- ureterovesical junction
- urinary bladder
- muscular coat
- bladder neck

--trigone

Vagina

--fornices

Uterus

--cervix

--cervical canal

--body of the uterus

--vesical surface

--superior surface

--lateral surfaces

--uterine cavity

--endometrium

--myometrium

--fundus

Uterine Tube

--fimbriae

--infundibulum

--isthmus

Arteries

--umbilical artery

--superior vesical arteries

--medial umbilical ligament

--obturator artery

--obturator canal

--uterine artery

--anastomosis btwn uterine and ovarian arts

--vaginal artery

--middle rectal artery

--internal pudental artery

--inferior gluteal artery

--superior gluteal artery

Veins

--internal iliac vein

--external iliac vein

--common iliac vein

Anal Canal

--anal columns

--anal valves

--pectinate line

--external and internal anal sphincters

--puborectalis m.

Sacral Plexus

--lumbosacral trunk

--sciatic nerve

--gluteal arteries

--pudental nerve

--sympathetic chain ganglia

Male Pelvis and Perineum

Superficial Perineal Space

--superficial fascia

--fatty layer there of

--colles' fascia

--posterior scrotal nerves

--superficial transverse perineal muscle

--ischiocavernosus

--bulbospongiosus

--perineal body

--perineal membrane

--bulb of the penis

--crura of the penis

--glans of the penis

Penis

--superficial fascia

--deep fascia

--deep dorsal vein

--dorsal arteries

--dorsal nerves

--spongy urethra

--external urethral orifice

--suspensory ligament of the penis

--corona of the glans

--corpus cavernosum

--corpus spongiosum

--deep artery

Deep Perineal Space

--inferior fascia of deep perineal pouch

--membranous urethra

--external urethral sphincter

--deep transverse perineal muscle

--artery of the bulb

--bulbourethral glands

--pudental nerve

--superior fascia

Peritoneum

--retrovesical fossa

--paravesical fossa

--pararectal fossa

--rectum

--ureter

--vas deferens

--bladder

--retropubic space

--puboprostatic ligaments

--retrorectal space

--pelvic splanchnic nerves

Muscles

- obturator internus muscles
- tendinous arch
- levator ani
 - puborectalis m.
 - pubococcygeus m.
 - iliococcygeus
- ischiococcygeus
- piriformis

Urethra

- spongy, membranous and prostatic parts
- urethral crest
- colliculus seminalis
- orifice of the ejaculatory duct
- prostatic utricle

Vas Deferens

- ampulla
- seminal vesicle
- duct of the seminal vesicle
- ejaculatory duct

Urinary Bladder

- muscular coat
- trigone
- orifices of the ureters
- internal urethral orifice
- ureterovesical junction
- ostium

Veins and Arteries

- umbilical artery
- superior vesical arteries
- medial umbilical ligament
- obturator artery
- obterator canal
- inferior vesical artery
- middle rectal artery
- internal pudental artery
- inferior gluteal artery
- superior gluteal artery
- recto-venous plexus
- vesical venous plexus
- prostatic venous plexus
- internal iliac vein
- external iliac vein
- common iliac vein

Anal Canal

- anal columns
- anal valves
- sphincter muscles of the anus

Nerves

- lumbosacral trunk
- sciatic nerve
- pudental nerve
- sympathetic chain ganglia

Scrotum, Spermatic Cord and Testis

- spermatic cord
- testis
- tunica vaginalis testis
- tunica albuginea
- seminiferous tubules
- rete testis
- efferent ductules
- epididymis
- duct of the epididymis
- vas deferens
- head of the epididymis
- body of the epididymis
- tail of the epididymis

Anatomy Vocab—Test 3

Superficial Structures—Upper

Limb

Surface Anatomy

- axillary fossa
- anterior axillary fold
- posterior axillary fold
- deltoid m.
- biceps brachii m.
- cubital fossa
- tendon of palmaris longus m.
- styloid processes of radius and ulna
- palmar creases
- thenar eminence
- hypothenar eminence

Superficial Veins and Nerves

- dorsal venous arch
- superficial dorsal veins
- basilic vein
- cephalic vein
- superficial branch of the radial nerve
- dorsal branch of the ulnar nerve
- median cubital vein
- medial antebrachial cutaneous nerve
- lateral antebrachial cutaneous nerve

Deep Fascia

- brachial fascia
- antebrachial fascia
- bicipital aponeurosis
- extensor retinaculum
- flexor retinaculum

Shoulder

Bones

- scapula
- acromion
- spine
- supraspinous fossa
- infraspinous fossa
- glenoid cavity
- supraglenoid tubercle
- infraglenoid tubercle
- coracoid process
- suprascapular notch
- humerus

- head
 - greater tubercle
 - lesser tubercle
 - intertubercular sulcus
 - deltoid tuberosity
 - sulcus for the radial nerve
- ##### Muscles, Nerves, Arteries and Spaces
- trapezius
 - rhomboids
 - levator scapulae
 - deltoid muscle
 - teres minor
 - quadrangular space
 - axillary nerve
 - posterior circumflex humeral artery
 - triceps brachii (long and lateral head)
 - triangular interval
 - radial nerve
 - profunda brachii artery
 - supraspinatus m.
 - infraspinatus m.
 - suprascapular ligament
 - suprascapular n.
 - suprascapular a.
 - omohyoid m.
 - transverse cervical artery
 - rotator cuff (teres minor, infraspinatus, supraspinatus, and subscapularis)
 - subacromial bursa

Pectoral Region

- mammary gland
- subclavius
- pectoral girdle

Axilla

Walls

- anterior wall
- pectoralis major
- pectoralis minor
- posterior wall
- latissimus dorsi
- teres major
- subscapularis

- medial wall
- serratus anterior
- lateral wall

Muscles

- long head of the biceps brachii
- short head of the biceps brachii
- coracobrachialis

Arteries

- subclavian artery
- brachial artery
- axillary a.
- superior thoracic a.
- thoracoacromial a.
 - trunk
 - acromial a.
 - deltoid a.
 - pectoral a.
 - clavicular a.
- lateral thoracic a.
- subscapular
 - circumflex scapular artery
- anterior circumflex humeral a.
- posterior circumflex humeral a.

Nerves

- lateral cord
- medial cord
- musculocutaneous n.
- median nerve
- ulnar n.
- medial cutaneous n. of the forearm
- posterior cord
- axillary n.
- upper and lower subscapular nerves
- nerve to teres major
- thoracodorsal nerve
- radial nerve
- long thoracic nerve

Arm and Cubital Fossa

Posterior Fascial Compartment

- brachioradialis m.
- radial nerve
- profunda brachii artery
- long, lateral and medial heads of the triceps brachii m.

Cubital Fossa

- biceps brachii
- strong tendon of the biceps

- bicipital aponeurosis
- median nerve
- brachial artery
- lateral cutaneous nerve of the forearm

Anterior Fascial Compartment

- coracobrachialis
- brachialis
- biceps brachii
- brachial artery
- superior and inferior ulnar collateral a.

Flexor Region of Forearm

Bones

- humerus
- medial epicondyle
- lateral epicondyle
- capitulum
- trochlea
- olecranon fossa
- radius
- head
- neck
- tuberosity for biceps tendon
- anterior oblique line
- styloid process
- interosseous border
- interosseous membrane
- ulna
- olecranon
- head
- interosseous border

Muscles, Nerves and Arteries

- brachioradialis m.
- radial artery
- flexor carpi radialis
- median nerve
- palmaris longus
- flexor digitorum superficialis
- ulnar artery
- ulnar nerve
- flexor carpi ulnaris
- pronator teres
- brachial artery
- common interosseous a.
- anterior interosseous a.
- posterior interosseous a.
- flexor digitorum profundus
- flexor pollicis longus

--pronator quadratus

Extensor Region of the Forearm

Anatomical "Snuff Box"

--abductor pollicis longus
--extensor pollicis brevis
--extensor pollicis longus
--radial artery
--first dorsal interosseous muscle
--extensor retinaculum

Muscles, Nerves and Arteries

--brachioradialis
--extensor carpi radialis longus
--extensor carpi radialis brevis
--extensor digitorum
--extensor digiti minimi
--extensor carpi ulnaris
--muscular branches of the radial nerve
--supinator
--anconeus m.
--extensor indicis

Palm of the Hand

Bones

--carpal bones
-scaphoid
-lunate
-triquetrum
-pisiform
-trapezium
-trapezoid
-capitate
-hamate
--metacarpal bones
--proximal phalanges
--middle phalanges
--distal phalanges

Superficial Structures

--palmar aponeurosis
--palmaris brevis
--superficial palmar arch
--ulnar artery
--superficial branch of the ulnar n.
--flexor retinaculum
--carpal tunnel
--median nerve
--recurrent branch of the median n.
--digital branches of the median n.

--thenar muscles

-abductor pollicis brevis
-flexor pollicis brevis
-opponens pollicis

--hypothenar muscles

-abductor digiti quinti
-flexor digiti quinti
-opponens digiti quinti

--fibrous digital sheaths

--osseofibrous digital tunnel

--common synovial sheath

--digital synovial sheaths

--tendons of flexor digitorum superficialis

--tendons of flexor digitorum profundus

--lumbrical muscles

--extensor expansion

--tendon of the flexor pollicis longus

Deep Structures

--deep branch of the ulnar nerve

--adductor pollicis

--deep palmar arch

--palmar interossei m.

--dorsal interossei m.

Joints of the Upper Limb

Shoulder Joint

--anatomical neck of the humerus

--surgical neck of the humerus

--fibrous capsule

--synovial cavity

--glenoid cavity

--glenoid labrum

--glenohumeral ligaments (superior, middle and inferior)

--tendon of the long head of the biceps

--coracoacromial ligament

--coracoacromial arch

Elbow Joint

--ulnar collateral ligament

--radial collateral ligament

--annular ligament

--synovial capsule

Wrist Joint (Radiocarpal)

--radiocarpal ligaments

--articular disc

Superficial Structures—Lower Limb

Superficial Veins, and Nerves

- small saphenous vein
- great saphenous vein
- posterior cutaneous nerve of the thigh
- sural nerve
- lateral sural cutaneous nerve
- cluneal nerves
- dorsal rami L1-L3
- dorsal venous arch of the foot
- saphenous opening (fossa ovalis)
- saphenous nerve
- superficial fibular (peroneal) nerve
- dorsal digital nerves
- femoral cutaneous nerves (lateral, intermediate and medial)
- cutaneous branch of the obturator n.
- superficial inguinal lymph nodes
- deep inguinal nodes

Saphenous Opening

- fascia lata/cutaneous fascia
- iliotibial tract
- femoral sheath
- lateral compartment (femoral a.)
- middle compartment (femoral v.)
- medial compartment (femoral canal)
- femoral ring
- femoral nerve (NOT in sheath)

Anterior Region of the Thigh

Bones

- anterior superior iliac spine
- anterior inferior iliac spine
- pubic tubercle
- greater trochanter of the femur
- lesser trochanter of the femur
- lateral condyle
- lateral epicondyle
- medial condyle
- medial epicondyle
- adductor tubercle
- linea aspera
- patella
- tuberosity of the tibia

Femoral Triangle

- femoral artery and vein
- profunda femoris artery
- lateral circumflex femoral artery
- medial circumflex femoral artery

- profunda femoris vein
- iliopsoas m.
- femoral nerve
- intermediate & medial cutaneous n o thigh

Adductor Canal

- adductor canal
- adductor hiatus
- popliteal artery
- saphenous nerve

Anterior Muscle Group

- fascia lata
- tensor fascia latae
- iliotibial tract
- intermuscular septum
- quadriceps femoris
- patellar tendon
- rectus femoris
- vastus lateralis
- vastus medialis
- vastus intermedius
- sartorius

Medial Region of the Thigh

Muscles, Nerves and Arteries

- gracilis
- pectineus
- adductor longus
- profunda femoris vessels
- adductor brevis
- obturator nerve
- adductor magnus
- hiatus
- perforating arteries

Gluteal Region

Bones

- greater sciatic notch
- lesser sciatic notch
- ischial spine
- ischial tuberosity
- sacrospinous ligament
- sacrospinous ligament
- greater and lesser sciatic foramen
- greater trochanter of the femur
- intertrochanteric crest
- trochanteric fossa
- gluteal tuberosity

Gluteal Structures

- gluteus maximus
- posterior cutaneous nerve of the thigh
- gluteus medius
- trochanteric bursa
- sciatic nerve
- piriformis muscle
- superior gluteal nerve and vessels
- inferior gluteal nerve and vessels
- pudental nerve
- internal pudental vessels
- pudental canal
- obturator internus
- superior gemellus
- inferior gemellus
- quadratus femoris
- obturator externus tendon
- gluteus minimus

Posterior Region of the Thigh

Bones

- lateral supracondylar line
- apex, head and neck of fibula
- medial condyle of the tibia
- rough areas on post. aspect of tibia

Muscles

- long head of the biceps femoris
- short head of biceps femoris
- semitendinosus
- semimembranosus
- hamstring part of adductor magnus
- perforating branches of profunda femoris a

Popliteal Fossa

- popliteal fossa
- common fibular (peroneal) nerve
- tibial nerve
- vascular sheath
- popliteal artery
- popliteal vein
- superior lateral genicular artery
- superior medial genicular artery
- inferior lateral genicular artery
- inferior medial genicular artery

Leg and Dorsum of the Foot

Bones etc.

- tibia
- fibula
- interosseous membrane

- anterior, lateral and posterior compart.
- medial condyle of the tibia
- lateral condyle of the tibia
- anterior border of the tibia
- head of fibula
- medial malleolus
- lateral malleolus
- tarsal bones
 - calcaneus
 - tuberosity
 - sustentaculum tali
 - talus
 - navicular
 - cuboid
 - 1st, 2nd, and 3rd cuneiforms
- metatarsals
 - tuberosity of the 5th metatarsal

phalanges (distal, middle and proximal)

Anterior Compartment and Dorsum of Foot

- deep fascia
- superior extensor retinaculum
- inferior extensor retinaculum
- superior fibular retinaculum
- inferior fibular retinaculum
- tibialis anterior
- extensor hallucis longus
- extensor digitorum longus
- fibularis tertius
- deep fibular nerve
- anterior tibial vessels
- perforating branch
- dorsalis pedis artery
- arcuate artery
- dorsal digital arteries
- medial malleolar artery
- lateral malleolar artery
- tarsal branches
- extensor digitorum brevis
- extensor hallucis brevis

Lateral Compartment and Lateral Side of the Ankle

- fibularis longus
- fibularis brevis
- superficial fibular nerve

Posterior Compartment and Medial Side of the Ankle

- gastrocnemius
- soleus
- tendo calcaneus

- plantaris
- tibial nerve
- posterior tibial artery
- fibular artery
- flexor hallucis longus
- osseofibrous tunnel
- flexor digitorum longus
- tibialis posterior
- popliteus

Sole of the Foot

Plantar Aponeurosis, Nerves, and Vessels

- plantar aponeurosis
- medial calcaneal nerve
- medial plantar n.
- lateral plantar n.
- plantar arteries
- plantar arterial arch
- perforating branches

Muscle Layers

- abductor hallucis
- abductor digiti minimi
- flexor digitorum brevis
- quadratus plantae
- flexor digitorum longus tendons
- lumbricals
- flexor hallucis brevis
- sesamoid bone
- flexor hallucis longus tendon
- adductor hallucis (transverse & oblique heads)
- flexor digiti minimi
- interossei m. (dorsal and plantar)

Joints of the Lower Limb

Hip Joint

- iliopsoas
- fibrous joint capsule
- iliofemoral ligament
- ischiofemoral ligament
- articular area of the head of the femur
- ligament of the head of the femur
- lunate articular surface
- acetabular fossa

Knee Joint

- tibial (medial) collateral ligament
- medial meniscus
- fibular (lateral) collateral ligament

- lateral meniscus
- ligamentum patellae
- prepatellar bursa
- suprapatellar bursa
- posterior cruciate ligament
- anterior cruciate ligament

Ankle Joint

- deltoid ligament
- calcaneofibular ligament
- anterior talofibular ligament
- posterior talofibular ligament
- anterior inferior tibiofibular ligament
- articular capsule of the ankle joint

Joints of Inversion and Eversion

- middle talar facet
- anterior talar facet
- post. articular surf. of the navicular bone
- plantar calcaneonavicular lig. (spring lig.)

Anterior Aspect of the Skull and Face

Bones

- See Handout

Facial Nerve, Vessels & Related Structures

- frontalis muscle
- platysma
- masseter muscle
- parotid gland
- parotid duct
- transverse facial artery
- facial nerve
 - temporal branch
 - zygomatic branch
 - buccal branch
 - mandibular branch
 - cervical branch

- buccal fatpad
- buccinator muscle
- trigeminal nerve
 - buccal branch
- facial artery
- facial vein

Muscles of the Mouth

- levator anguli oris
- levator labii superioris
- depressor anguli oris
- depressor labii inferioris
- zygomaticus major and minor

- orbicularis oris
- mentalis
- nasalis
- infraorbital nerve

Lower Lip

- labial glands
- inferior labial artery
- superior labial artery
- mental nerve
- mental foramen

External Nose

- lateral nasal cartilages
- septal cartilage
- alar cartilage

External Ear

- external acoustic meatus
- auricle
 - helix
 - antihelix
 - concha
 - tragus
 - antitragus
 - lobule

Eye and Eyelids

- palpebral commissures (medial and lateral)
 - palpebral rima
 - medial and lateral angles
 - cornea
 - sclera
 - iris
 - pupil
 - conjunctival sac
 - conjunctiva
 - fornices
 - tarsus
 - medial palpebral ligament
 - cilia
 - tarsal glands
 - lacrimal lake
 - caruncula
 - lacrimal papilla
 - lacrimal punctum
 - lacrimal canaliculus
 - lacrimal sac
 - lacrimal fossa
 - lacrimal gland
 - nasolacrimal duct
- #### Orbital Region
- obicularis oculi

- orbital portion
- palpebral portion
- supraorbital vessels
- supraorbital foramen
- orbital septum

Sensory Nerves of the Face

- supraorbital nerve
- infraorbital nerve
- mental nerve
- external nasal nerve

Scalp

- temporalis fascia
- occipitalis muscle
- glaea aponeurotica
- pericranium

Meninges of Brain

- dura mater
- arachnoid matter
- pia matter
- leptomeninges (pia and arachnoid collectively)
- middle meningeal artery
- superior sagittal sinus
- transverse sinuses
- lacunae laterales
- arachnoid granulations
- falx cerebelli

Three Cranial Fossae

- anterior, middle and posterior fossae
- cranial nerves I - XII
- pituitary gland
- diaphragma sellae
- superior petrosal sinus
- cavernous sinus
- internal carotid artery
- trigeminal ganglion
- mandibular division
- maxillary division
- ophthalmic division
- middle meningeal vessels
- greater petrosal nerve

Orbit and Contents

Nerves

- trochlear nerve (CN IV)
- frontal nerve (branch of V1)

- supraorbital nerve
- supratrochlear nerve
- lacrimal nerve (branch of V1)
- nasociliary nerve (branch of V1)
- anterior ethmoidal nerve
- abducent nerve (CN VI)
- oculomotor nerve (CN III)
- ciliary ganglion
- optic nerve (CN II)

Muscles

- superior oblique
- trochlea
- inferior oblique
- superior rectus
- inferior rectus
- lateral rectus
- medial rectus
- anulus tendineus
- levator palpebrae superioris

Arteries

- ophthalmic artery
- central artery of the retina

Posterior Triangle of the Neck

Platysma and Related Structures

- platysma
- supraclavicular nerve
- accessory nerve (CN XI)
- lesser occipital nerve
- great auricular nerve
- transverse cervical nerve
- external jugular vein
- sternocleidomastoid m.

Under the Clavicle

- subclavius muscle
- omohyoid m. (inferior and superior bellies)
- intertendon

Deep Structures

- splenius capitis m.
- levator scapulae m.
- posterior scalene
- middle scalene
- anterior scalene
- interscalene triangle
- phrenic nerve
- vagus nerve
- brachial plexus
- subclavian artery

- subclavian vein
- thyrocervical trunk
- transverse cervical artery
- suprascapular artery
- inferior thyroid artery

Anterior Triangle of the Neck

Superficial Structures

- internal jugular vein
- vagus nerve
- carotid sheath
- common carotid artery
- external carotid artery
- internal carotid artery
- facial vein
- retromandibular vein
- anterior jugular vein

Muscular Triangle

- infrahyoid muscles
- superior belly of the omohyoid m.
- sternohyoid m.
- sternothyroid m.
- thyrohyoid m.
- ansa cervicalis (superior and inferior roots)
- laryngeal prominence
- cricoid cartilage
- cricothyroid membrane
- first tracheal ring

Carotid Triangle

- tip of the greater horn of the hyoid bone
- hypoglossal nerve (CN XII)
- vagus nerve (CN X)
- superior laryngeal nerve (X branch)
- internal laryngeal nerve (X branch)
- external laryngeal nerve (X branch)
- cricothyroid muscle
- superior thyroid artery
- ascending pharyngeal artery
- lingual artery
- facial artery
- occipital artery
- carotid sinus
- carotid body

Submandibular Triangle

- submandibular gland
- digastric m. (anterior and posterior bellies)
- intermediate tendon
- fibrous sling

- stylohyoid
- mylohyoid muscle
- mylohyoid nerve (V3 branch)

Cervical Viscera

- thyroid gland
- right and left lobes
- isthmus
- superior, middle and inferior thyroid veins
- recurrent laryngeal nerve
- parathyroid glands

Root of the Neck

- thoracic duct
- internal thoracic artery
- vertebral artery

Parotid Region

- parotid sheath
- stem of the facial nerve
- auriculotemporal nerve (V3 branch)
- superficial temporal artery
- maxillary artery
- parotid bed

Temporal Region

Bones

- temporal fossa
- mandibular notch

Structures

- masseter muscle
- masseteric nerve and vessels
- temporal fascia
- temporalis muscle

Infratemporal Fossa

- inferior alveolar artery
- inferior alveolar nerve (V3 branch)
- lingual nerve (V3 branch)
- mylohyoid nerve (V3 branch)
- lateral pterygoid muscle
- medial pterygoid muscle
- chorda tympani (VII branch)
- foramen ovale
- buccal nerve (V3 branch)
- maxillary artery
 - middle meningeal artery
 - muscular branches
 - deep temporal arteries
 - posterior superior alveolar artery

Craniovertebral Joints and Head

Removal

Craniovertebral Joints

- retropharyngeal space
- dens of the axis
- dura matter
- tectorial membrane
- transverse ligament of the atlas
- superior and inferior bands
- cruciate ligaments
- alar ligaments

Removal of the Head

- atlanto-occipital joints
- rectus capitis lateralis
- rectus capitis anterior
- longus capitus
- longus coli
- anterior atlanto-occipital membrane

Exterior of Base of Skull

- common carotid artery
- sympathetic trunk
- superior cervical sympathetic ganglion
- facial nerve (CN VII)
- internal jugular vein
- vagus nerve (CN X)
- inferior ganglion of the vagus
- superior laryngeal nerve
- pharyngeal branch of the vagus
- accessory nerve (CN XI)
- glossopharyngeal nerve (CN IX)
- stylopharyngeus muscle
- hypoglossal nerve (CN XII)

Pharynx

External Aspect

- middle constrictor
- superior constrictor
- inferior constrictor
- internal laryngeal nerve
- recurrent laryngeal nerve

Internal Aspect of the Pharynx

- nasopharynx
- choanae
- middle concha
- inferior concha
- pharyngeal orifice of auditory tube
- torus tubarius

- salpingopharyngeal fold
- pharyngeal recess
- oropharynx
- palatoglossal arch
- palatopharyngeal arch
- palatine tonsils
- laryngopharynx
- piriform recesses

Bisection of the Head

Tongue

- oral part of the tongue
- pharyngeal part of the tongue
- sulcus terminalis
- foramen cecum
- vallate papillae
- filiform papillae
- fungiform papillae
- foliate papillae
- median glossoepiglottic fold
- epiglottis
- valleculae
- lingual follicles
- lingual tonsil

Nasal Cavities

Nasal Septum

- nasal septum
- septal cartilage
- nasopalatine nerve
- anterior ethmoidal nerve
- olfactory area

Lateral Wall of Nasal Cavity

- inferior concha
- inferior meatus
- middle concha
- middle meatus
- superior concha
- superior meatus
- sphenoidal recess
- agger
- atrium
- vestibule
- nasolacrimal duct
- nasolacrimal canal
- hiatus semilunaris
- ethmoidal bulla
- ostium of the maxillary sinus

- frontal sinus
- frontonasal duct
- infundibulum
- anterior ethmoidal cells
- middle ethmoidal cells
- posterior ethmoidal cells
- orbital plate

Sphenopalatine Foramen and Pterygopalatine Fossa

- posterior lateral nasal artery
- sphenopalatine artery
- posterior septal artery
- greater palatine nerve
- lesser palatine nerve
- greater palatine artery
- pterygopalatine ganglion
- nerve of the pterygoid canal
- maxillary artery
- maxillary nerve (V2)

Palate, Tonsil, and Pharyngeal Wall

Hard Palate

- greater palatine nerve
- greater palatine vessels
- lesser palatine nerve

Palatine Tonsil

- bed of the palatine tonsil
- pharyngobasilar fascia
- palatopharyngeus
- palatoglossus
- paratonsillar vein
- styloglossus
- glossopharyngeal nerve (CN IX)

Pharyngeal Wall

- pterygomandibular raphe
- levator palati
- ascending pharyngeal artery
- tensor palati
- scaphoid fossa
- mandibular nerve (CN V3)
- otic ganglion

Mouth and Tongue

Sublingual Region

- sublingual gland
- plica sublingualis
- submandibular duct
- lingual nerve

- submandibular ganglion
- hypoglossal nerve (CN XII)
- lingual artery

Tongue

- mylohyoid m.
- geniohyoid m.
- genioglossus m.
- hyoglossus m.
- styloglossus m.
- intrinsic musculature of the tongue

Larynx

Laryngeal Muscles

- posterior cricoarytenoid m.
- transverse arytenoid m.
- oblique arytenoids m.
- cricothyroid joint
- cricothyroid m.
- lateral cricoarytenoid m.
- thyroarytenoid m.
- vocalis m.
- thyroepiglotticus
- rima glottidis

Interior of Larynx

- vestibule
- quadrangular membrane
- vestibular folds
- ventricle
- vocal folds
- vocal ligament
- infraglottic cavity
- cricothyroid ligament (conus elasticus)

Anatomy Vocab—Test 4

Covering Structures of the Brain

Dura and Venous Sinuses

- superior sagittal sinus
- dura
- arachnoid layer
- falx cerebri
- tentorium
- bridging veins
- arachnoid granulations

Superolateral Surface of the Brain

- superior frontal gyrus
- middle frontal gyrus
- inferior frontal gyrus
- pars orbitale
- pars triangularis
- pars opercularis
- superior frontal sulcus
- inferior frontal sulcus
- precentral sulcus
- precentral gyrus
- central sulcus
- postcentral gyrus
- post central sulcus
- intraparietal sulcus
- superior parietal lobule
- inferior parietal lobule
- supramarginal gyrus
- angular gyrus
- superior temporal gyrus
- middle temporal gyrus
- inferior temporal gyrus
- Sylvian fissure
- transverse gyri of Heschl
- Heschl's sulcus
- planum temporale
- operculum
- insula
- parieto-occipital sulcus
- preoccipital notch

General Features of the Brain

Base of the Brain

- gyrus rectus
- olfactory sulcus

- olfactory bulb and tract
 - orbital gyri
 - olfactory striae
 - anterior perforated substance
 - olfactory trigone
 - optic nerves and chiasm
 - optic tracts
 - infundibulum
 - tuber cinereum
 - mammillary bodies
 - posterior perforated substance
- ### Circle of Willis
- internal carotid arteries
 - middle cerebral arteries
 - anterior cerebral arteries
 - anterior communicating artery
 - recurrent artery of Heubner (little dude)
 - posterior communicating arteries
 - posterior cerebral artery
 - basilar artery
 - anterior inferior cerebellar artery (AICA)
 - posterior inferior cerebellar artery (PICA)

Cranial Nerves

- oculomotor nerve
- trigeminal nerve
- abducens nerve
- facial nerve
- vestibulocochlear nerve
- lateral recess
- foramen of Luschka
- olive
- anterior median sulcus
- pre-olivary groove
- retro-olivary groove
- glossopharyngeal nerve
- vagus nerve
- accessory nerve
- hypoglossal nerve
- pyramidal decussation

Brainstem and Cerebellum

Brainstem

- gracile tubercle
- cuneate tubercle

- obex
- foramen of Magendie
- calamus scriptorius
- area postrema
- median sulcus
- striae medullaris
- median eminence
- hypoglossal trigone
- vagal trigone
- superior colliculi
- superior brachium
- inferior colliculi
- inferior brachium
- trochlear cranial nerve
- pineal gland
- massa intermedia
- cerebral aqueduct
- tectum of the midbrain
- tegmentum of the pons and midbrain
- fastigium
- superior medullary velum
- inferior medullary velum
- tuberculum cinereum*
- crus cerebri
- substantia nigra
- red nucleus
- periaqueductal grey
- III CN nucleus*
- inferior olivary nucleus
- pyramidal tracts
- Cerebellum
- tonsil of the cerebellum
- flocculonodular lobe
- flocculus
- lingula
- central lobule
- culmen
- primary fissure
- declive
- folium
- horizontal fissure
- tuber
- pyramis
- uvula
- posterolateral fissure
- nodulus
- dentate nucleus
- superior cerebellar peduncle
- middle cerebellar peduncle

- inferior cerebellar peduncle

Medical Surface of the Cerebrum

- corpus callosum
- splenium
- body
- genu
- rostrum
- anterior commissure
- lamina terminalis
- lateral geniculate body
- medial geniculate body
- posterior commissure
- tela choroidea

Recesses of the Third Ventricle

- supraoptic recess
- infundibular recess
- hypothalamic sulcus of His
- internal cerebral veins

Fornix

- foramen of Monro
- anterior pillar of the fornix
- precommissural portion of the fornix
- postcommissural portion of the fornix

Lateral Ventricle

- septum pellucidum
- head of the caudate nucleus*
- sulcus terminalis*
- terminal vein*
- stria terminalis*
- stria medullaris thalami*
- mammillothalamic tract*

Medial Aspect of the Cerebrum

- subcallosal gyrus
- cingulate gyrus
- pericallosal sulcus
- paracentral lobule
- marginal sulcus
- precuneus
- parieto-occipital sulcus
- cuneus
- clacarine sulcus
- lingual gyrus
- isthmus of the cingulate gyrus
- parahippocampal gyrus
- uncus
- hippocampal sulcus
- collateral sulcus
- medial occipitotemporal gyrus

- rhinal sulcus
- medial longitudinal striae*
- lateral longitudinal striae*
- indusium griseum*
- cingulum

Deep Dissection of the Brain

The Insula

- limen insulae
- circular sulcus
- longitudinal sulcus
- long insular gyri
- short insular gyri

Associative Fiber Tracts of White Matter

- superior longitudinal fasciculus*
- arcuate fasciculus*
- uncinate fasciculus*
- inferior longitudinal fasciculus*
- corona radiata*
- optic radiations*
- trigone
- calcar avis
- choroidal fissure
- pulvinar
- pes hippocampus
- fimbria of the fornix
- crus of the fornix
- body of the fornix
- column of the fornix
- head of the caudate nucleus
- body of the caudate nucleus
- tail of the caudate nucleus
- globus pallidus
- putamen
- external capsule
- claustrum
- extreme capsule
- internal capsule
 - anterior limb
 - genu
 - posterior limb
- dentate gyrus
- psalterium

Coronal Sections of the Brain

Section #1 (2)

- genu of the corpus callosum
- forceps minor*

- olfactory sulcus

Section #2 (3)

- head of the caudate nucleus
- cingulate gyrus
- cingulum

Section #3 (4)

- lentiform nucleus
- putamen
- globus pallidus
- medial medullary lamina
- lateral medullary lamina
- external capsule
- claustrum

- extreme capsule
- anterior limb of the internal capsule

Section #4 (4)

- columns of the fornix
- anterior commissure
- internal capsule

- amygdala

Section #5 (5)

- thalamus
- stria terminalis*
- terminal vein*
- subthalamic nucleus*
- lenticular fasciculus*

Section #6 (5)

- posterior limb of the internal capsule
- hippocampal fissure
- choroidal fissure
- optic tract

Section #7 (6)

- posterior commissure
- crus fornicis
- pulvinar
- medial geniculate body
- lateral geniculate body

Section #8 (6)

- forceps major*
- glomus of the choroid plexus

Section #9 (7)

- tapetum
- optic radiations
- inferior longitudinal fasciculus
- calcar avis
- calcarine fissure

*--No picture in the atlas