

////////////////////////////////////
PREFACE

- > The lists are of structures which you may expect to see pinned, tagged, or otherwise indicated for identification on a laboratory practical exam.
- > Structures which may be discussed in lecture and seen in lab but I have never seen asked on a practical in my career have been omitted.
- > Redundancy in the lists may indicate (a) that a structure can be identified from different views, (b) that you should review it before continuing with the next structures, (c) that the same structure continues its course through different regions.
- > The lists are approximately in correct sequence for Summer 2002
- > The lists are 99% accurate. To argue that you flunked because you missed a structure that isn't on the list is a perversion of logic. You shouldn't have missed any of the structures that are on the list
- > This is not a dissection guide.
- > Beware of Grant's dissector: some things in boldface we don't care about, and some things we care about are not in boldface.
- > In many places (especially the limbs), veins parallel arteries and have the same name. Usually, , we remove these veins for clarity, and don't test on them.
- > Corrections, additions, & omissions are welcomed.

////////////////////////////////////
THORACIC OSTEOLOGY

Grant's Dissector pages 1-3
Use text, atlas, bone box, & skeleton

thoracic vertebrae

- body
- pedicles & laminae
- transverse & spinous processes
- superior and inferior articular facets
- intervertebral disk
- costal facet(s)
- super. & infer. demifacets (when present)
- transverse costal facet

ribs

- head with articular facet(s)
- neck
- tubercle with articular facet
- angle & body
- costal groove

1st rib

- anterior & middle scalene tubercles
- groove for subclavian artery
- groove for subclavian vein

2nd rib

- posterior scalene tubercle

costal cartilages

sternum

- manubrium
- suprasternal (jugular) notch
- clavicular notch
- sternomanubrial joint (sternal angle)
- body
- xiphoid process

sternocostal joints)

////////////////////////////////////
SUPERFICIAL CHEST

Grant's Dissector Pages: 3-9; 193

mammary gland

areola

nipple

suspensory ligaments of Cooper

lactiferous ducts

lactiferous sinuses

pectoralis major m.

pectoralis minor m.

deltoid m.(anterior part)

deltopectoral groove

cephalic vein

lateral pectoral nerve

medial pectoral nerve

clavipectoral fascia

subclavius muscle

thoracoacromial artery .

deltoid br.

pectoral br.

acromial br.

clavicular br.

////////////////////////////////////
ANTERIOR THORACIC WALL

Grant's Dissector Pages: 9 - 11

intercostal space

external intercostal m.

external intercostal membrane

internal intercostal m.

subcostal m.

innermost intercostal muscle

transversus thoracis m.

costal groove

intercostal vein

intercostal artery

intercostal nerve

internal thoracic artery brs.

pericardiophrenic artery

anterior intercostal arteries

superior epigastric artery

musculophrenic artery

////////////////////////////////////
**LUNGS, & POSTERIOR
THORACIC WALL**

Grant's Dissector Pages: 11-18

rt. & lft. lungs & pleural cavities

visceral pleura

parietal pleura types

diaphragmatic parietal pleura

mediastinal parietal pleura

costal parietal pleura

cervical parietal pleura (cupula)

costomediastinal recess

costodiaphragmatic recess

left lung hilus

left pulmonary artery

left pulmonary vein

left main bronchus

pulmonary ligament

bronchial arteries

bronchopulmonary lymph nodes

left lung

apex
superior lobe
lingula
oblique fissure
inferior lobe
costal surface
rib impressions
mediastinal surface
aortic impression
diaphragmatic surface
cardiac notch

left bronchial tree

superior lobar bronchus
apicoposterior segmental bronchus
anterior segmental bronchus
superior lingular segmental bronchus
inferior lingular segmental bronchus

inferior lobar bronchus
superior segmental bronchus
lateral basal segmental bronchus
anteromedial basal segmental
bronchus
posterior basal segmental bronchus

right lung hilus

right pulmonary artery
right pulmonary vein
right main bronchus
pulmonary ligament
bronchial arteries
bronchopulmonary lymph nodes

right lung

apex
superior lobe
oblique fissure
horizontal fissure

middle lobe
inferior lobe
costal surface
rib impressions
mediastinal surface
azygos vein impression
diaphragmatic (basal) surface

right bronchial tree

superior lobar bronchus
apical segmental bronchus
posterior segmental bronchus
anterior segmental bronchus
middle lobar bronchus
lateral segmental bronchus
medial segmental bronchus
inferior lobar bronchus
superior segmental bronchus
lateral basal segmental bronchus
medial basal segmental bronchus
anterior basal segmental bronchus
posterior basal segmental bronchus

pulmonary lymph nodes

posterior thoracic wall

sympathetic chains (trunks and ganglia)
rami communicantes
posterior intercostal a.a. & v.v.
intercostal nerves
greater thoracic splanchnic n. roots
lesser thoracic splanchnic n. roots
least thoracic splanchnic n. root

////////////////////////////////////
**SUPERIOR MEDIASTINUM &
SUPERFICIAL HEART**

Grant's Dissector Pages: 19-21; 30-34

fibrofatty remnants of thymus gland

left brachiocephalic (inominate) vein
right brachiocephalic (inominate) vein
superior vena cava
aortic arch
brachiocephalic artery
left common carotid artery
left subclavian artery

left vagus nerve
left recurrent laryngeal nerve
ligamentum arteriosum
left phrenic nerve
right vagus nerve
right phrenic nerve

trachea
paratracheal lymph nodes
trachea & tracheal bifurcation
carina
tracheobronchial lymph nodes

pericardial sac & pericardial cavity
fibrous pericardium
parietal serous pericardium
visceral serous pericardium
(epicardium)

ascending aorta
pulmonary trunk
inferior vena cava
pulmonary veins

transverse pericardial sinus
oblique pericardial sinus

removed heart
coronary (atrioventricular) sulcus
anterior interventricular sulcus
posterior interventricular sulcus
left atrium & auricle
left ventricle

right atrium & auricle
right ventricle
topography
base & apex
right margin
left (obtuse) margin
diaphragmatic margin

left coronary artery
anterior interventricular artery
circumflex artery
left marginal artery
posterior artery of the left ventricle
right coronary artery
marginal branch
posterior interventricular artery

SA nodal artery

anterior cardiac veins
great cardiac vein
small cardiac vein
middle cardiac vein
coronary sinus

////////////////////////////////////
HEART INTERIOR

Grant's Dissector Pages:21-27

left atrium
pulmonary veins
left atrioventricular (mitral) valve orifice
pectinate muscles of left auricle
interatrial septum
valve of foramen ovale

left ventricle
interventricular septum (muscular)
interventricular septum (membranous)
trabeculae carneae

left atrioventricular (mitral; bicuspid)
valve

anterior AV valve cusp
posterior AV valve cusp
chordae tendineae
anterior papillary muscle
posterior papillary muscle

aortic semilunar valve
right semilunar cusp
right coronary artery orifice
left semilunar cusp
left coronary artery orifice
posterior semilunar cusp

right atrium

interatrial septum
fossa ovalis
limbus fossa ovalis
right atrioventricular (tricuspid) valve
orifice
orifice of the superior vena cava
orifice of the inferior vena cava
orifice of the coronary sinus
valve of the coronary sinus
pectinate muscles of right auricle
crista terminalis
location of SA node
location of AV node

right ventricle

interventricular septum (muscular)
trabeculae carneae
septomarginal trabecula (moderator
band)
anterior AV valve cusp
septal (medial) AV valve cusp
posterior AV valve cusp
chordae tendineae
anterior papillary muscle

septal papillary muscle
posterior papillary muscle

conus arteriosus (infundibulum)

pulmonary semilunar valve
right semilunar valve cusp
left semilunar valve cusp
anterior semilunar valve cusp

////////////////////////////////////
POSTERIOR MEDIASTINUM

Grant's Dissector Pages: 28-30

esophagus
esophageal plexus
left vagus nerve
right vagus nerve

descending thoracic aorta
posterior intercostal arteries
bronchial arteries
esophageal arteries

thoracic duct

right side veins

right superior intercostal vein
azygos vein
intercostal veins

left side veins (variable)

hemiazygos vein
accessory hemiazygos vein
left superior intercostal vein

////////////////////////////////////
**ANTERIOR ABDOMINAL
WALL & INGUINAL REGION**

Grant's Dissector Pages:41-50

superficial fascia
fatty layer (Camper's)
membranous layer (Scarpa's)

superficial epigastric vein
parumbilical veins

external abdominal oblique m. &
aponeurosis
internal abdominal oblique m. &
aponeurosis
transversus abdominis muscle &
aponeurosis

transversalis fascia
extraperitoneal connective tissue
parietal peritoneum

rectus sheath
anterior wall
posterior wall
arcuate line
rectus abdominis muscle
motor branches to rectus abdominis
superior epigastric artery
inferior epigastric artery
linea alba
semilunar line

thoracoabdominal nerves

subcostal nerve
ilioinguinal nerve
iliohypogastric nerve

superficial epigastric a. & v.
superficial external pudendal a. & v.
superficial circumflex iliac a.& v.

inguinal ligament (Poupart's ligament)

inguinal canal
superficial (internal) inguinal ring
deep (external) inguinal ring

conjoint tendon (falx inguinalis)
lacunar ligament
pectineal ligament

superficial inguinal lymph nodes

////////////////////////////////////
**SPERMATIC CORD,
SCROTUM, & TESTIS**

Grant's Dissector Pages: 51-54

spermatic cord
external spermatic fascia
cremasteric muscle
genital branch of genitofemoral nerve
internal spermatic fascia
ductus deferens (vas deferens)
testicular artery
pampiniform venous plexus

scrotum (scrotal sac)
tunica dartos (dartos muscle)
gubernaculum testis
tunica vaginalis

testis

tunica albuginea
fibrous septae
lobules
seminiferous tubules

epididymis
head, body, & tail



**PERITONEAL CAVITY,
VISCERA & MESENTERIES
in situ**

Grant's Dissector Pages: 50-51; 55-65

internal aspect of anterior abdominal
wall

falciform ligament
ligamentum teres
median umbilical fold & ligament
medial umbilical fold & ligament
lateral umbilical fold
inferior epigastric vessels

thoracoabdominal diaphragm

terminal esophagus

stomach
greater curvature
greater omentum (omental "apron")
lesser curvature
lesser omentum
gastrohepatic ligament
antrum
pyloris
pyloric sphincter

hepatoduodenal ligament

liver
coronary ligaments
left & right triangular ligaments
subphrenic recesses
hepatorenal recess

gallbladder
epiploic foramen

omental bursa (lesser sac)
pancreas (head, body, tail)
caudate lobe of liver
superior recess

1st part of duodenum

4th part of duodenum
duodenojejunal junction
suspensory ligament of the duodenum
(ligament of Trietz)

spleen
spleno(lieno)renal ligament
gastrosplenic (gastrosplenic) ligament

small intestine (jejunum & ileum)

The Mesentery
root of the mesentery
ileocolic junction

large intestine (colon)
cecum
vermiform appendix
ascending colon
right colic (hepatic) flexure
transverse colon
transverse mesocolon
left colic (splenic) flexure
phrenicocolic ligament
descending colon
sigmoid colon
sigmoid mesocolon

haustra
tenia coli
appendices epiploicae
right paracolic gutter
left paracolic gutter
right & left mesenteric gutters

rectum

////////////////////////////////////

BILIARY TRACT, CELIAC & MESENTERIC ARTERIES

Grant's Dissector Pages:65-70

hepatoduodenal ligament
proper hepatic artery
cystic artery
left & right hepatic arteries
left and right hepatic ducts
cystic duct
common bile duct
left & right hepatic ducts
portal vein

celiac artery (trunk) distribution
left gastric a. & esophageal brs.
splenic artery & pancreatic brs.
left gastroepiploic a.
common hepatic a.
gastroduodenal a.
right gastroepiploic a.
proper hepatic a.
right gastric a.

splenic vein

superior mesenteric artery distribution
jejunal arteries, arcades & vasa rectae
ileal arteries, arcades, & vasa rectae

ileocolic artery
ascending br. of ileocolic
ileal branch of ileocolic
anterior cecal artery
posterior cecal artery
appendicular artery
right colic artery
middle colic artery

superior mesenteric vein

inferior mesenteric artery distribution
left colic artery
sigmoid arteries
superior rectal artery
superior rectal vein

marginal artery

inferior mesenteric vein

////////////////////////////////////

REMOVAL & STUDY OF VISCERA

Grant's Dissector Pages:71-77

stomach (internal)
rugae (longitudinal folds)
antrum & pylorus
pyloric sphincter (in cross section)

spleen
hilum
diaphragmatic surface
visceral surfaces
renal impression
colic impression
gastric impression
superior (notched) margin

liver

right lobe
left lobe
caudate lobe
quadrate lobe
bare area
left & right hepatic veins

fissure for ligamentum arteriosum
fissure for ligamentum venosum

porta hepatis

left & right hepatic ducts
common hepatic duct
portal vein (rt. & lft. branches)
proper hepatic artery (rt. & lft.brs.)

gall bladder fossa

gall bladder

fundus, body, neck
spiral valve (internal)

pancreas (internal)

head, body, tail
main pancreatic duct

duodenum

2nd and 3rd parts
plicae circulares (circular folds) internal)
major duodenal papilla (internal)

jejunioileum

circular folds (internal)

cecum

ileocecal valve (internal)

colon

semilunar folds (internal)

rectum

transverse rectal folds (internal

////////////////////////////////////
**POSTERIOR ABDOMINAL
WALL**

Grant's Dissector Pages:77-85

abdominal aorta and paired brs.

inferior phrenic arteries
lumbar arteries
common iliac a.a.
superior suprarenal a.a.
middle suprarenal a.a.
inferior suprarenal a.a.
left & right renal a.a.
ovarian a.a. (female)
testicular a.a. (male)

middle sacral artery

inferior vena cava & tributaries

common iliac veins
lumbar veins
right ovarian(testicular) vein
left renal vein
left ovarian(testicular) vein
right renal vein

left suprarenal gland
right suprarenal gland

kidneys and internal features

cortex & medulla
renal columns & pyramids
renal papillae

minor & major calyces
renal pelvis & ureter

renal sinus
segmental arteries

portal system

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

psoas major m.
iliacus m.
quadratus lumborum m.

diaphragm

left & right crurae
medial & lateral arcuate ligaments
central tendon
venal caval foramen
esophageal hiatus
aortic hiatus

abdominal autonomics

greater thoracic splanchnic n.n.
celiac ganglion
superior mesenteric ganglion
inferior mesenteric ganglion
sympathetic chains
rami communicantes
lumbar splanchnic nerves

T12 subcostal nerve (not part of plexus)

lumbar plexus

L1 (common stem of variable length)
ilioinguinal nerve
iliohypogastric nerve

genitofemoral nerve
genital branch of genitofemoral n.
femoral branch of genitofemoral n.
lateral femoral cutaneous nerve
femoral nerve
obturator nerve
lumbosacral trunk



**PELVIC & LOWER LIMB
OSTEOLOGY**

Grant's Dissector pages 89-92

sacrum

anterior (pelvic) sacral foramina
dorsal sacral foramina
sacral canal
sacral promontory
ala (wing)
sacral tuberosity
auricular surface (sacroiliac joint)

hip bone (os coxae; innominate)

ilium

wing (ala)
iliac crest
anterior superior iliac spine (ASIS)
anterior inferior iliac spine
iliac tuberosity
auricular surface (sacroiliac joint)
posterior superior iliac spine
posterior inferior iliac spine
greater sciatic notch

ischium

ischial spine
lesser sciatic notch
ischial tuberosity
ischial spine

Prof. Bales / Gross Anatomy Lab / Master I.D. List / V.8jun02

body
ramus

pubis

pubic symphysis
body
pubic tubercle
pectineal line
superior pubic ramus
(approx. 1/3 of acetabulum)
inferior pubic ramus
ischiopubic ramus (both inferior rami)
obturator foramen

ischiopubic ramus

acetabulum

lunate articular surface
acetabular fossa
acetabular notch

femur

head
fovea
neck
greater trochanter
trochanteric fossa
lesser trochanter
intertrochanteric line (anteriorly)
intertrochanteric crest (posteriorly)
gluteal tuberosity
shaft
nutrient foramen
linea aspera
lateral epicondyle
medial epicondyle
adductor tubercle
lateral condyle
medial condyle
patellar surface
intercondylar fossa

patella

base
apex
medial & lateral facets

tibia

lateral condyle
medial condyle
intercondylar eminence
anterior intercondylar area
posterior intercondylar area
tibial tuberosity
soleal line
shaft
medial malleolus
malleolar articular surface
inferior articular surface
groove for tibialis posterior tendon

fibula

head
apex
articular facet
neck
shaft
lateral malleolus
malleolar articular surface
fossa of lateral malleolus

talus

groove for flexor hallucis longus tendon
trochlea
neck
head

calcaneus

tuberosity
articular surfaces for talus
calcaneal sulcus
sustentaculum tali
groove for flexor hallucis longus tendon

navicular
tuberosity

cuboid
tuberosity
groove for fibularis (peroneus) longus
tendon

cuneiform bones

metatarsals
base, shaft, & head
tuberosity of 5th metatarsal

phalanges
base & head



FEMALE PELVIS

Grant's Dissector Pages:109-126

vesicouterine pouch
rectouterine pouch (of Douglas)

ureters

urinary bladder
trigone (internal)
internal urethral orifice
urethra

uterus
fundus & body
round ligament of the uterus
uterine cervix
cervical canal
internal os
external os

uterine tube (fallopian tube)
fimbria & infundibulum
ampulla
isthmus

broad ligament
mesometrium
mesosalpinx
mesovarium

ovary
suspensory ligament of ovary
ovarian artery and vein
proper ovarian ligament

vagina
anterior & posterior fornices

pararectal fossae

anal canal
anal columns
anal valves

common iliac artery
external iliac artery
inferior epigastric artery

internal iliac artery

posterior br. internal iliac a.
iliolumbar artery
lateral sacral artery
superior gluteal artery

anterior br. of internal iliac a.
obturator artery
umbilical artery
superior vesicle arteries
medial umbilical ligament
middle rectal artery

uterine artery
vaginal artery
inferior vesicle artery
inferior gluteal artery
internal pudendal artery

veins

common iliac vein
external iliac vein
internal iliac vein

pelvic nerves

hypogastric nerves
sympathetic chains
obturator nerve
lumbosacral trunk (L4, L5)
ventral rami of S1, S2, S3, & S4
pelvic splanchnic nerves
sacral sympathetic chain
gray rami communicantes
sacral splanchnic nerves

piriformis muscle

pelvic diaphragm

coccygeus muscle
levator ani m. (puborectalis,
iliococcygeus &
pubococcygeus parts)
tendinous arch

obturator internus muscle
obturator canal

////////////////////
MALE PELVIS

Grant's Dissector Pages:95-109

rectovesicle pouch
ureters

urinary bladder
trigone (internal)
internal urethral orifice

urethra

membranous urethra
prostatic urethra
penile (spongy) part

prostate gland
prostatic urethra
urethral crest
seminal colliculus
ejaculatory duct openings (location)
prostatic sinus
prostatic duct openings (location)

ductus deferens
ampulla
seminal vesicle
duct of seminal vesicle

pararectal fossae

anal canal
anal columns
anal valves

common iliac artery

external iliac artery
inferior epigastric artery

internal iliac artery

posterior br. of internal iliac a.
iliolumbar artery
lateral sacral artery
superior gluteal artery

anterior br. of internal iliac a.
obturator artery
umbilical artery
superior vesicle arteries
medial umbilical ligament
middle rectal artery
inferior vesicle artery
inferior gluteal artery
internal pudendal artery

common iliac vein
external iliac vein
internal iliac vein

pelvic nerves
hypogastric nerves
sympathetic chains
obturator nerve
lumbosacral trunk

ventral rami of S1, S2, S3, & S4
pelvic splanchnic nerves
sacral sympathetic chain
gray rami communicantes
sacral splanchnic nerves

piriformis muscle

pelvic diaphragm
coccygeus muscle
levator ani m. (puborectalis,
pubococcygeus, iliococcygeus
parts)
tendinous arch

obturator internus muscle
obturator canal



FEMALE UROGENITAL TRIANGLE

Grant's Dissector Pages 109-114

superficial fascia
fatty layer
membranous layer (Colles' fascia)

perineal body (central tendon)

labia majora & labia minora

clitoris
prepuce, glans, body, crurae

vestibule
external urethral orifice
vaginal orifice

superficial perineal space
superficial transversus perineus muscle
ischiocavernosus muscle
bulbospongiosus muscle
bulbs of the vestibule
greater vestibular glands

urogenital diaphragm
inferior fascia (perineal membrane)
deep transversus perineus muscle



MALE UROGENITAL TRIANGLE

Grant's Dissector Pages: Male 95-100

superficial fascia
fatty layer
membranous layer (Colles' fascia)

perineal body (central tendon)
posterior scrotal nerves
superficial transversus perineus muscle
ischiocavernosus muscle
bulbospongiosus muscle
urogenital diaphragm
inferior fascia (perineal membrane)
deep transversus perineus muscle

penis
prepuce (if present)
superficial fascia
deep (Buck's) fascia
superficial dorsal vein
deep dorsal vein
dorsal artery
dorsal nerve
corpus spongiosum
bulb of the penis
spongy (penile) urethra
glans
corpora cavernosae
right & left crurae

////////////////////////////////////
**ANAL TRIANGLE -
ISCHIORECTAL
(ISCHIOANAL) FOSSA**

Grant's Dissector Pages:92-95

anal triangle
ischiorectal fossa
external anal sphincter muscle
levator ani muscle (inferior view)

obturator internus muscle
pudendal canal
pudendal nerve
perineal nerve
dorsal nerve of penis or clitoris
inferior rectal nerves
internal pudendal a. & brs.
inferior rectal artery
perineal artery
dorsal artery of penis (or clitoris)

////////////////////////////////////
SUPERFICIAL LOWER LIMB

Grant's Dissector Pages: 145-150

dorsal venous arch of the foot
small (short) saphenous vein
great (long) saphenous vein
fascia lata
saphenous opening (fossa ovalis)
superficial circumflex iliac vein
superficial external pudendal vein
superficial epigastric vein
superficial inguinal lymph nodes
cluneal nerves
posterior cutaneous nerve of the thigh
lateral cutaneous nerves of the thigh
anterior cutaneous nerves of the thigh
saphenous nerve & infrapatellar br.
lateral sural cutaneous nerve
medial sural cutaneous nerve
sural nerve
crural fascia

////////////////////////////////////
ANTERIOR & MEDIAL THIGH

Grant's Dissector Pages:150-156

inguinal ligament

sartorius muscle
adductor longus muscle

iliopsoas m.
pectineus m.

quadriceps femoris m.
rectus femoris muscle
vastus medialis muscle
vastus lateralis muscle
vastus intermedius muscle
quadriceps tendon
patella
ligamentum patellae
medial patellar retinaculum
lateral patellar retinaculum

femoral canal
femoral ring
femoral lymph node(s)

femoral artery & vein
deep femoral artery (profunda femoris)
perforating arteries
medial circumflex femoral artery
lateral circumflex femoral a.
(descending, transverse,&
ascending brs.)

descending genicular a.

femoral nerve
anterior cutaneous brs.
nerve to vastus medialis
saphenous nerve

adductor (subsartorial) canal
adductor hiatus

gracilis muscle
adductor brevis muscle
adductor part of adductor magnus m.

anterior division of obturator nerve
posterior division of obturator nerve

obturator externus muscle
obturator artery

////////////////////////////////////
GLUTEAL REGION

Grant's Dissector Pages:156-161

tensor fascia lata muscle
iliotibial tract

gluteus maximus muscle
gluteal fascia (aponeurosis)
gluteus medius muscle
gluteus minimus muscle
trochanteric bursa

greater sciatic foramen
superior gluteal nerve & artery

piriformis muscle

lesser sciatic foramen
sciatic nerve
inferior gluteal nerve & artery

superior gemellus muscle
obturator internus muscle (tendon)
inferior gemellus muscle
quadratus femoris muscle

sacrotuberous ligament
sacrospinous ligament

pudendal nerve
internal pudendal vessels
nerve to obturator internus muscle

////////////////////////////////////

POSTERIOR THIGH & POPLITEAL FOSSA

Grant's Dissector Pages:161-165

sciatic nerve
tibial nerve
common fibular (peroneal) nerve

hamstrings
semitendinosus muscle
semimembranosus muscle
long head of biceps femoris muscle
hamstring part of adductor magnus

perforating brs. of deep femoral artery

short head of biceps femoris m.

popliteal fossa boundaries
biceps femoris tendon (superolateral)
semitend. & semimem. (superomedial)
gastrocnemius bellies (inferomed. &
inferolat.)

tibial nerve
common fibular(peroneal) nerve
popliteal vein

popliteal artery
superior lateral genicular artery
superior medial genicular artery
inferior lateral genicular artery
inferior medial genicular artery

fossa floor
joint capsule
oblique popliteal ligament
arcuate popliteal ligament
popliteus muscle

////////////////////////////////////

LEG & DORSUM OF FOOT

Grant's Dissector Pages:166--173

anterior compartment
tibialis anterior muscle
extensor hallucis longus muscle
extensor digitorum longus muscle
fibularis (peroneus) tertius muscle
anterior tibial artery
deep peroneal nerve

superior extensor retinaculum
inferior extensor retinaculum
deep fibular (peroneal) nerve
anterior tibial artery

dorsum of foot
dorsalis pedis artery
arcuate artery
dorsal digital arteries
deep fibular n. and dorsal digital brs.
digital brs. of superficial fibular n.
extensor digitorum brevis m.

extensor hallucis brevis m.
dorsal interosseous m.

lateral compartment

fibularis (peroneus) longus muscle
fibularis (peroneus) brevis muscle
superior peroneal retinaculum
superficial fibular (peroneal) nerve

posterior compartment

gastrocnemius muscle
plantaris muscle
soleus muscle
calcaneal tendon (of Achilles)
posterior tibial nerve
flexor hallucis longus muscle
tibialis posterior muscle
flexor digitorum longus muscle
flexor retinaculum
posterior tibial artery & veins
fibular (peroneal) artery



PLANTAR FOOT

Grant's Dissector Pages:174-177

superficial)

plantar aponeurosis
digital brs. of lateral plantar nerve
digital brs. of medial plantar nerve

first layer

abductor hallucis muscle
flexor digitorum brevis muscle
abductor digiti minimi muscle

second layer

quadratus plantae muscle

flexor digitorum longus tendons
lumbical muscles (4)
flexor hallucis longus tendon
lateral plantar nerve
medial plantar nerve
lateral plantar artery
medial plantar artery
common plantar digital arteries

third layer

flexor hallucis brevis muscle
flexor digiti minimi brevis muscle
adductor hallucis muscle (transverse & oblique heads)

fourth layer

long & short plantar ligament
peroneus longus tendon
plantar calcaneonavicular(spring) lig.
tibialis posterior tendon
plantar arterial arch
plantar metatarsal arteries
deep branch of lateral plantar nerve
plantar interosseous muscles
dorsal interosseous muscles
proper plantar digital a.a. & n.n.



HIP JOINT

Grant's Dissector Pages:177-179

extracapsular

joint capsule
iliofemoral ligament
ischiofemoral ligament

intracapsular

head of femur and fovea
hyaline articular cartilage
ligament of head of femur

acetabular socket & labrum
lunate articular surface
acetabular fossa & fat pad
transverse acetabular ligament

////////////////////////////////////
KNEE JOINT

Grant's Dissector pages 180-182

extracapsular
fibular (lateral) collateral ligament
tibial (medial) collateral ligament

intracapsular
patellar facets
infrapatellar synovial fold
infrapatellar fat pad
anter. & poster. cruciate ligament
lateral & medial menisci

posterior mensicofemoral ligament

////////////////////////////////////
ANKLE & FOOT JOINTS

Grant's Dissector Pages:182-183

deltoid ligament
anterior tibiofibular ligament
posterior tibiofibular ligament
calcaneofibular ligament

socket for head of talus
middle talar facet
anterior talar facet
posterior articular surface of navicular
spring ligament (plantar calcaneo-
navicular)

////////////////////////////////////
**ANTERIOR TRIANGLE &
THYROID REGION**

Grant's Dissector Pages: 254-261

anterior triangle boundaries
cervical midline
ante. border of sternocleidomastoid m.
body of mandible

superficial structures
platysma muscle
transverse cervical nerve
external jugular vein
retromandibular vein
anterior jugular vein

hyoid bone
body
lesser & greater horns (cornua)

laryngeal prominence of thyroid
cartilage
thyrohyoid membrane
cricoid cartilage
cricothyroid membrane
tracheal rings
trachea

carotid sheath
common carotid artery
internal jugular vein
vagus nerve

cervical plexus
ansa cervicalis
descending limb
ascending limb
muscular branches

internal carotid artery

external carotid artery brs.

superior thyroid artery

lingual artery

facial artery

occipital artery

infrahyoid "strap" muscles

omohyoid muscle

sternohyoid muscle

sternothyroid muscle

thyrohyoid muscle

thyroid gland

right & left lobes

isthmus

pyramidal lobe

superior laryngeal artery

superior thyroid vein

middle thyroid vein

inferior thyroid artery

inferior thyroid vein

recurrent laryngeal nerve

parathyroid glands (location)

////////////////////////////////////
POSTERIOR TRIANGLE

Grant's Dissector Pages: 251-253

boundaries

posterior border of sternocleidomastoid

anterior border of trapezius muscle

middle third of clavicle

superficial structures

platysma muscle

external jugular vein

sensory branches of cervical plexus

great auricular nerve

lesser occipital nerve

transverse cervical nerve

supraclavicular nerves

subclavius muscle

omohyoid muscle

accessory nerve

transverse cervical artery & vein

suprascapular artery and vein

muscles of floor

splenius capitis muscle

levator scapulae muscle

scalenus posterior muscle

scalenus medius muscle

scalenus anterior muscle

phrenic nerve

subclavian artery

subclavian vein

proximal brachial plexus

roots (C5, C6, C7, C8, T1)

dorsal scapular nerve

upper (superior) trunk

middle trunk

lower (inferior) trunk

suprascapular nerve

////////////////////////////////////
ROOT OF NECK

Grant's Dissector Pages: 262-263

clavicle

anterior & middle scalene muscle
(review)
subclavian artery
vertebral artery
internal thoracic artery
thyrocervical trunk
inferior thyroid artery
transverse cervical artery
dorsal scapular art.
suprascapular artery
costocervical trunk
vagus nerves
lft. & right recurrent laryngeal nerve
phrenic nerves
sympathetic trunks
ansa subclavia
thoracic duct



BACK & UPPER LIMB OSTEOLOGY

Grant's Dissector pages 129 - 131;

skull

superior nuchal line
inferior nuchal line
external occipital protuberance
mastoid process

vertebrae (general)

body
pedicle
lamina
spinous processes
vertebra prominens (C7)
transverse processes
transverse foramen (cervical only)
superior articular processes and facets
inferior articular processes and facets

vertebral foramen
vertebral canal
intervertebral foramen

atlas (c1)

anterior arch (no body)
anterior tubercle
posterior arch
posterior tubercle (no spine)
lateral mass
superior articular facet
inferior articular facet

axis (c2)

dens with anter. & post. articular facets

intervertebral joints & ligaments

intervertebral disk
zygapophyseal joints
anterior longitudinal ligament
posterior longitudinal ligament
ligamenta flava
interspinous ligament
supraspinous ligament
nuchal ligament
posterior atlantooccipital membrane
posterior atlantoaxial membrane

sacrum

dorsal sacral foramina
sacral canal
sacral hiatus

ilium

iliac crest
posterior superior iliac spine

scapula

spine
root of the spine
acromion process
spinoglenoid notch

Prof. Bales / Gross Anatomy Lab / Master I.D. List / V.8jun02

inferior angle
superior angle
lateral angle
coracoid process
neck
glenoid fossa
supraglenoid tubercle
infraglenoid tubercle
medial (vertebral) border
lateral (axillary) border
superior border
suprascapular (superior) notch
suprspinous (supraspinatus) fossa
infraspinous (infraspinatus) fossa
subscapular fossa
acromioclavicular joint
scapulothoracic “articulation”

clavicle

conoid tubercle
trapezoid line

glenohumeral joint

humerus

head
anatomical neck
surgical neck
greater tubercle
lesser tubercle
intertubercular (bicipital) groove
shaft
deltoid tuberosity
nutrient foramen
epicondylar ridges
epicondyles
coronoid fossa
radial fossa
trochlea
capitulum
olecranon fossa

ulna

coronoid process
trochlear notch
olecranon process
radial notch
ulnar tuberosity
supinator crest
head
styloid process

radius

head
neck
radial tuberosity
styloid process
dorsal tubercle
carpal articular surface
ulnar notch

proximal carpal bones

scaphoid
lunate
triquetrum
pisiform

distal carpal bones

trapezium
tubercle of trapezium
trapezoid
capitate
hamate
hook of the hamate

metacarpals

head
shaft
base

phalanges

head
shaft

base

////////////////////////////////////
SUPERFICIAL BACK

Grant's Dissector Pages: 161-162

dorsal cutaneous nerves

thoracodorsal fascia
latissimus dorsi muscle
trapezius muscle
rhomboideus major & minor m.m.
levator scapulae muscle

transverse cervical artery
accessory nerve
dorsal scapular artery
dorsal scapular nerve

serratus poster. super. & infer. m.m.

////////////////////////////////////
DEEP BACK MUSCLES

Grant's Dissector Pages:132-135

splenius group
splenius capitis muscle
splenius cervicis muscle

erector spinae group
iliocostalis m. (lumborum, thoracis, &
cervicis)
longissimis m. (thoracis, cervicis, &
capitis)
spinalis m. (thoracis & cervicis)

transversospinalis group
semispinalis m. (thoracis, cervicis, &
capitis)

multifidus muscle
rotatores muscles

short [segmental] group (1 segment)
interspinales m.m.
intertransversarii muscles

levatores costarum muscles (brevis 1
segment; longus 2 segments)

////////////////////////////////////
SUBOCCIPITAL TRIANGLE

Grant's Dissector Pages: 136-138

trapezius
semispinalis capitis
greater occipital nerve

boundaries
obliquus capitis inferior muscle
obliquus capitis superior muscle
rectus capitis posterior major muscle

rectus capitis posterior minor muscle

triangle contents
posterior arch of atlas
suboccipital nerve
vertebral artery

////////////////////////////////////
**VERTEBRAL CANAL,
SPINAL CORD**

Grant's Dissector Pages:139-142

supraspinous & interspinous ligaments
ligamenta flava
laminae of vertebrae

epidural (extradural) space
epidural fat and venous plexuses
dural sac (dura mater)
arachnoid mater
subarachnoid space & cerebrospinal
fluid

spinal cord

pia mater & denticulate ligaments

dorsal & ventral roots of spinal nerves
dorsal root ganglion (DRG)
spinal nerves

conus medullaris
filum terminale (internal filum)
filum of the dura (external filum)

////////////////////////////////////
SUPERFICIAL UPPER LIMB

Grant's Dissector Pages: 186-188

veins
dorsal venous arch of hand
cephalic vein
basilic vein
median cubital vein
median antebrachial vein
intermediate antebrachial v.
(intermediate cerphalic, & intermediate
basilic v.v. when present)
intercostobrachial nerve

cutaneous nerves of forearm
lateral antebrachial cutaneous nerve
medial antebrachial cutaneous nerve
posterior antebrachial cutaneous nerve

////////////////////////////////////
POSTERIOR SHOULDER

Grant's Dissector Pages: 188-192

deltoid muscle
subdeltoid (subacromial) bursa
(location)

supraspinatus muscle
infraspinatus muscle

scapular notch
superior transverse scapular ligament
suprascapular artery
suprascapular nerve
spinoglenoid notch

teres major muscle
teres minor muscle

long head of triceps
lateral head of triceps

triangular space
circumflex scapular artery & brs.

quadrangular space
posterior circumflex humeral artery
axillary nerve

////////////////////////////////////
AXILLA

Grant's Dissector Pages: 193 - 199

anterior wall
pectoralis major m.
pectoralis minor muscle

posterior wall
latissimus dorsi m.

teres major muscle
subscapularis muscle & scapula

medial wall

upper 4 ribs and intercostal spaces
serratus anterior muscle

lateral wall

intertubercular sulcus (= bicipital groove)

apex

coracoid process of scapula

base

axillary fascia

axillary sheath

axillary vein (you may be remove it)

axillary artery (1st, 2nd, & 3rd parts)

superior thoracic artery

thoracoacromial artery[trunk]

lateral thoracic artery

subscapular artery

circumflex scapular artery

thoracodorsal artery

anter. circumflex humeral art.

poster. circumflex humeral art.

intercostobrachial nerve

brachial plexus

lateral cord

musculocutaneous nerve

lateral root of median nerve

lateral pectoral nerve

medial cord

ulnar nerve

medial root of median nerve

medial pectoral nerve

medial brachial cutaneous nerve
medial antebrachial cutaneous nerve
posterior cord

radial nerve

axillary nerve

upper subscapular nerve

thoracodorsal nerve

lower subscapular nerve

////////////////////////////////////

ARM & CUBITAL FOSSA

Grant's Dissector Pages: 199-202

anterior compartment

coracobrachialis muscle

biceps brachii muscle

short head of the biceps brachii m.

tendon of long head of biceps brachii

transverse humeral ligament

brachialis muscle

musculocutaneous nerve

lateral antebrachial cutaneous nerve

median nerve

ulnar nerve

brachial veins

brachial artery

deep brachial artery (profunda brachii)

superior ulnar collateral artery

inferior ulnar collateral artery

radial nerve

deep radial nerve

superficial radial nerve

posterior compartment

triceps brachii muscle - long head,

lateral head, & medial head

anconeus muscle

radial nerve

posterior antebrachial cutaneous nerve

deep brachial artery

radial collateral artery

middle collateral artery

brachioradialis muscle

cubital fossa boundaries

line through epicondyles

pronator teres muscle

brachioradialis muscle

cubital fossa contents

biceps tendon

bicipital aponeurosis

brachial artery

median nerve



FOREARM EXTENSORS

Grant's Dissector Pages: 212-216

superficial extensor group

brachioradialis muscle (not an extensor)

extensor carpi radialis longus muscle

extensor carpi radialis brevis muscle

extensor digitorum muscle

extensor digiti minimi muscle

extensor carpi ulnaris muscle

deep extensor group

supinator muscle

abductor pollicis longus muscle

extensor pollicis longus muscle

extensor pollicis brevis muscle

extensor indicis muscle

superficial radial nerve

deep radial nerve

posterior interosseous nerve

posterior interosseous artery

interosseous membrane

extensor retinaculum



DORSUM OF HAND

Grant's Dissector pages 212-214

anatomical snuff box

tendon of extensor pollicis longus

tendon of extensor pollicis brevis

scaphoid bone

radial artery

tendon of abductor pollicis longus

tendon

dorsal interosseous muscles

dorsal carpal arterial arch

dorsal metacarpal arteries

dorsal digital arteries

dorsal digital nerves

extensor expansion (central & lateral bands)



FOREARM FLEXORS

Grant's Dissector Pages: 202-207

superficial flexors

pronator teres muscle

palmaris longus muscle
flexor carpi radialis muscle
flexor digitorum superficialis muscle

median nerve
ulnar nerve

radial artery
radial recurrent artery
ulnar artery
anterior ulnar recurrent artery
posterior ulnar recurrent artery
common interosseous artery
posterior interosseous artery
interosseous recurrent artery
anterior interosseous artery

deep flexors
flexor digitorum profundus muscle
flexor pollicis longus muscle
pronator quadratus muscle

interosseous membrane



SUPERFICIAL PALM

Grant's Dissector pages 208-212

flexor retinaculum
palmar aponeurosis
palmaris brevis muscle

thenar compartment
abductor pollicis brevis muscle
opponens pollicis muscle
flexor pollicis brevis muscle

hypothenar compartment
abductor digiti minimi muscle
opponens digiti minimi muscle

flexor digiti minimi muscle

ulnar nerve
palmar cutaneous branch of ulnar
deep branch of ulnar nerve
superficial branch of ulnar nerve
common palmar digital nerves
proper palmar digital nerves

ulnar artery
deep branch of ulnar artery
superficial palmar arterial arch
common palmar digital arteries
proper palmar digital arteries

median nerve
palmar cutaneous branch of median
recurrent motor branch
common palmar digital nerves
proper palmar digital nerves



DEEP HAND

Grant's Dissector Pages: 208-212

flexor retinaculum
carpal tunnel

tendons of flexor digitorum superficialis
tendons of flexor digitorum profundus
lumbrical muscles

flexor tendon sheaths

flexor pollicis longus tendon

adductor pollicis muscle (transverse head & oblique head)

deep branch of ulnar nerve

deep palmar arterial arch
palmar metacarpal arteries

princeps pollicis artery
radialis indicis artery
proper palmar digital a.a.

palmar interosseous muscles

////////////////////////////////////

PECTORAL GIRDLE JOINTS

Grant's Dissector Pages: 217-218

sternoclavicular joint

articular disk
costoclavicular ligament

acromioclavicular joint

articular disk

coracoclavicular ligament (conoid ligament and trapezoid ligament)

glenohumeral [shoulder] joint

glenoid cavity(fossa)
glenoid labrum
glenohumeral ligament (superior, middle, and inferior parts)
tendon of long head of biceps brachii

coracoacromial ligament

////////////////////////////////////

ELBOW & WRIST JOINTS

Grant's Dissector Pages: 218-219

elbow joint

radial collateral ligament
ulnar collateral ligament
head of radius
annular ligament
trochlea
capitulum
coronoid process of ulna
trochlear notch

radiocarpal joint

scaphoid bone
lunate bone
articular disk

HAND JOINTS

no pages

metacarpo-phalangeal (mp) joint

palmar plate (ligament)
collateral ligaments

interphalangeal (ip) joint

palmar plate (ligament)
collateral ligaments