




The EMAGE simple anatomy search function.

This example illustrates the underlying mechanism employed in an EMAGE simple Anatomy Search using the search term **mesenchyme**.

1. The user types the word **mesenchyme** into the interface.
2. Numerous terms that include the text string **mesenchyme** somewhere in their name, are shown in a list:

Search for gene/protein expression in a named anatomical structure 

Please type one structure name per line

- mesenchyme
- head mesenchyme
- mesenchyme derived from head mesoderm
- mesenchyme derived from neural crest
- paraxial mesenchyme
- trunk mesenchyme
- intermediate mesenchyme
- lateral plate mesenchyme
- unsegmented mesenchyme
- trunk mesenchyme from neural crest
- lateral mesenchyme derived from mesoderm
- mesenchyme derived from somatopleure
- mesenchyme derived from splanchnopleure
- body-wall mesenchyme
- associated mesenchyme
- mesenchyme condensation
- mesenchymal condensation
- perioptic mesenchyme
- metanephric mesenchyme
- non-specific mesenchyme
- rest of mesenchyme
- other mesenchyme

Each term in this list refers to a full-name for at least one item in the [Abstract Mouse](#). One of these (the first shown on the list) is the term **mesenchyme**. Note: there are multiple instances of the string **mesenchyme** used for a full-name in the Abstract Mouse – these are **highlighted in yellow** on the Abstract Mouse ontology shown at the end of this document). For simplicity, is only shown once in the drop down list.

3. The term **mesenchyme** can be selected as the query term from the drop-down list. After selection and starting the search, the underlying algorithm retrieves all EMAGE entries that have relevant text annotations describing expression patterns in **all instances of mesenchyme** in the Abstract Mouse, and because the Abstract Mouse ontology is arranged hierarchially, also in all **sub-parts** of all instances of **mesenchyme**. These sub-structures are **highlighted in green** on the Abstract Mouse ontology shown below.
4. This very broad search for **mesenchyme** will retrieve most data with annotations to various types of mesenchyme. However, because of the nature of the descriptive language used in the Abstract Mouse ontology, several instances of the string **associated mesenchyme** (i.e. mesenchyme that is not found in the structure, but is found near it or loosely associated with it) and one instance of **mesenchyme condensation** also exist in the ontology. These are highlighted in **cyan** and **magenta** on the Abstract Mouse ontology shown below.
5. Thus, to retrieve all instances of genes in EMAGE expressed in **mesenchyme**, one would need to use all three query terms: **mesenchyme**, **associated mesenchyme** and **mesenchyme condensation**. Or better still, to select ALL terms that appear in the original drop-down list.

ABSTRACT MOUSE ONTOLOGY:

mouse
4-8 cell stage
compacted morula
embryo
 branchial arch; synonym: pharyngeal arch
 1st arch
 branchial groove
 ectoderm
 epithelium
 branchial membrane
 ectoderm
 endoderm
 branchial pouch
 endoderm
 ectoderm
 endoderm
 mandibular component
 ectoderm
 endoderm
 mesenchyme
 mesenchyme derived from head mesoderm
 mesenchyme derived from neural crest
 maxillary component
 ectoderm
 endoderm
 mesenchyme
 mesenchyme derived from head mesoderm
 mesenchyme derived from neural crest
 maxillary-mandibular groove
 ectoderm
 mesenchyme
 head mesenchyme
 mesenchyme derived from head mesoderm
 mesenchyme derived from neural crest
 2nd arch
 branchial groove
 ectoderm
 branchial membrane
 ectoderm
 endoderm
 branchial pouch
 endoderm
 ectoderm
 endoderm
 epithelium
 mesenchyme
 mesenchyme derived from head mesoderm
 mesenchyme derived from neural crest
 3rd arch
 branchial groove
 ectoderm
 epithelium
 branchial membrane
 ectoderm
 endoderm
 branchial pouch
 endoderm
 dorsal
 ventral
 ectoderm
 endoderm
 mesenchyme
 mesenchyme derived from head mesoderm
 mesenchyme derived from neural crest
 4th arch
 branchial groove
 ectoderm
 branchial membrane
 ectoderm
 endoderm
 branchial pouch

- endoderm
- cervical sinus; synonym: retro-hyoid depression
- ectoderm
- endoderm
- mesenchyme
 - mesenchyme derived from head mesoderm
 - mesenchyme derived from neural crest
- cavities and their linings
 - embryonic component of the proamniotic cavity
 - intraembryonic coelom; synonym: future pericardial component
 - diaphragm
 - arcuate ligaments
 - lateral
 - medial
 - central tendon
 - crus
 - dome
 - mesothelium
 - pleuro-pericardial canal; synonym: pleuro-pericardial channel
 - mesothelial lining
 - pleuro-pericardial folds
 - pleuro-peritoneal canal; synonym: pleuro-pericardial channel
 - mesothelial lining
 - pleuro-peritoneal folds
 - pericardial cavity
 - cavity
 - mesothelium
 - parietal
 - visceral
 - pericardial component
 - cavity
 - mesothelium
 - parietal
 - visceral
 - pericardio-peritoneal canal; synonym: pericardio-peritoneal channel
 - cavity
 - mesothelium
 - parietal
 - pericardio-peritoneal component
 - cavity
 - mesothelium
 - peritoneal cavity
 - greater sac
 - cavity
 - mesothelium
 - parietal
 - visceral
 - omental bursa; synonym: lesser sac
 - cavity
 - mesothelium
 - parietal
 - peritoneal component
 - cavity
 - greater sac
 - cavity
 - mesothelium
 - parietal
 - visceral
 - left hepatic recess
 - mesothelium
 - parietal
 - visceral
 - omental bursa; synonym: lesser sac
 - inferior recess
 - mesothelium
 - parietal
 - superior recess
 - right hepatic recess
 - pleural cavity
 - cavity
 - mesothelium
 - parietal
 - visceral

- pleural component
 - cavity
 - mesothelium
 - parietal
 - visceral
- compacted morula
- ectoderm
 - neural ectoderm
 - future brain
 - future midbrain; synonym: future mesencephalon
 - floor plate
 - neural fold
 - neural crest
 - roof plate
 - future prosencephalon; synonym: future forebrain
 - floor plate
 - neural fold
 - neural crest
 - future rhombencephalon; synonym: future hindbrain
 - anterior pro-rhombomere; synonym: rhombomere A, pro-rhombomere A
 - floor plate
 - neural fold
 - neural crest
 - early hindbrain neural ectoderm
 - floor plate
 - neural fold
 - neural crest
 - hindbrain posterior to rhombomere 05
 - floor plate
 - neural fold
 - neural crest
 - posterior pro-rhombomere; synonym: pro-rhombomere B, rhombomere B
 - floor plate
 - neural fold
 - neural crest
 - pre-otic sulcus
 - rhombomere 01
 - floor plate
 - neural fold
 - neural crest
 - rhombomere 02
 - floor plate
 - neural fold
 - neural crest
 - rhombomere 03
 - floor plate
 - neural fold
 - neural crest
 - rhombomere 04
 - floor plate
 - neural fold
 - neural crest
 - rhombomere 05
 - floor plate
 - neural fold
 - neural crest
 - neural fold; synonym: cephalic neural fold
 - neural crest; synonym: cephalic neural crest
 - future spinal cord
 - neural fold
 - neural crest
 - neural plate
 - neural fold
 - neural crest
 - neural tube
 - floor plate
 - lateral wall
 - neural lumen
 - neural luminal occlusion
 - roof plate
 - non-neural ectoderm
 - surface ectoderm
- endoderm

definitive endoderm; synonym: embryonic endoderm
primitive endoderm; synonym: visceral endoderm, proximal endoderm, hypoblast
epiblast; synonym: primitive ectoderm
inner cell mass
limb
forelimb
arm
elbow
elbow joint
epithelium
mesenchyme
elbow joint primordium
rest of mesenchyme
skin
dermis
epidermis
forearm
epithelium
mesenchyme
radius
radius cartilage condensation
radius-ulna cartilage condensation; synonym: radio-ulna cartilage condensation
radius-ulna pre-cartilage condensation; synonym: radio-ulna pre-cartilage condensation
rest of mesenchyme
ulna
ulna cartilage condensation
radius
skin
dermis
epidermis
ulna
shoulder
epithelium
mesenchyme
rest of mesenchyme
shoulder joint primordium
shoulder joint
skin
dermis
epidermis
upper arm
epithelium
humerus
mesenchyme
humerus
humerus cartilage condensation; synonym: humeral cartilage condensation
humerus pre-cartilage condensation; synonym: humeral pre-cartilage condensation
rest of mesenchyme
skeletal muscle
biceps
brachialis
teres major
triceps
skeletal muscle
biceps
brachialis
teres major
triceps
skin
dermis
epidermis
handplate
carpus
digit 1; synonym: pullex, thumb
claw
epithelium
mesenchyme
metacarpus
metacarpus cartilage condensation; synonym: metacarpal cartilage condensation
metacarpus pre-cartilage condensation; synonym: metacarpal pre-cartilage condensation
phalanx
phalanx cartilage condensation; synonym: phalangeal pre-cartilage condensation
phalanx pre-cartilage condensation; synonym: phalangeal pre-cartilage condensation

metacarpus
phalanx
skin
dermis
epidermis
digit 2
claw
epithelium
mesenchyme
metacarpus
metacarpus cartilage condensation; synonym: metacarpal cartilage condensation
metacarpus pre-cartilage condensation; synonym: metacarpal pre-cartilage condensation
phalanx
phalanx cartilage condensation; synonym: phalangeal pre-cartilage condensation
phalanx pre-cartilage condensation; synonym: phalangeal pre-cartilage condensation
metacarpus
phalanx
skin
dermis
epidermis
digit 3
claw primordium
epithelium
mesenchyme
metacarpus
metacarpus cartilage condensation; synonym: metacarpal cartilage condensation
metacarpus pre-cartilage condensation; synonym: metacarpal pre-cartilage condensation
phalanx
phalanx cartilage condensation; synonym: phalangeal pre-cartilage condensation
phalanx pre-cartilage condensation; synonym: phalangeal pre-cartilage condensation
metacarpus
phalanx
skin
dermis
epidermis
digit 4
claw
epithelium
mesenchyme
metacarpus
metacarpus cartilage condensation; synonym: metacarpal cartilage condensation
metacarpus pre-cartilage condensation; synonym: metacarpal pre-cartilage condensation
phalanx
phalanx cartilage condensation; synonym: phalangeal pre-cartilage condensation
phalanx pre-cartilage condensation; synonym: phalangeal pre-cartilage condensation
metacarpus
phalanx
skin
dermis
epidermis
digit 5; synonym: minimus
claw
epithelium
mesenchyme
metacarpus
metacarpus cartilage condensation; synonym: metacarpal cartilage condensation
metacarpus pre-cartilage condensation; synonym: metacarpal pre-cartilage condensation
phalanx
phalanx cartilage condensation; synonym: phalangeal pre-cartilage condensation
phalanx pre-cartilage condensation; synonym: phalangeal pre-cartilage condensation
metacarpus
phalanx
skin
dermis
epidermis
interdigital region between digits 1 and 2
epithelium
mesenchyme
skin
dermis
epidermis
interdigital region between digits 2 and 3
epithelium

mesenchyme
skin
dermis
epidermis
interdigital region between digits 3 and 4
epithelium
mesenchyme
skin
dermis
epidermis
interdigital region between digits 4 and 5
epithelium
mesenchyme
skin
dermis
epidermis
mesenchyme
carpus
carpus cartilage condensation; synonym: carpal cartilage condensation
carpus pre-cartilage condensation; synonym: carpal pre-cartilage condensation
rest of epithelium
rest of skin
dermis
epidermis
skin
dermis
epidermis
palmar pads; synonym: digital pads
joint
metacarpo-phalangeal
radio-carpal joint; synonym: wrist joint
radio-ulnar joint
distal
proximal
annular ligament
forelimb bud
arm
ectoderm
mesenchyme
ectoderm
apical ectodermal ridge; synonym: AER
handplate
ectoderm
apical ectodermal ridge; synonym: AER
mesenchyme
mesenchyme
hindlimb
footplate
digit 1; synonym: large toe
claw
epithelium
mesenchyme
metatarsus
metatarsus cartilage condensation; synonym: metatarsal cartilage condensation
metatarsus pre-cartilage condensation; synonym: metatarsal pre-cartilage condensation
phalanx
phalanx cartilage condensation; synonym: phalangeal cartilage condensation
phalanx pre-cartilage condensation; synonym: phalangeal pre-cartilage condensation
metatarsus
phalanx
skin
dermis
epidermis
digit 2
claw
epithelium
mesenchyme
metatarsus
metatarsus cartilage condensation; synonym: metatarsal cartilage condensation
metatarsus pre-cartilage condensation; synonym: metatarsal pre-cartilage condensation
phalanx
phalanx cartilage condensation; synonym: phalangeal cartilage condensation
phalanx pre-cartilage condensation; synonym: phalangeal pre-cartilage condensation

metatarsus
phalanx
skin
 dermis
 epidermis
digit 3
 claw
 epithelium
 mesenchyme
 metatarsus
 metatarsus cartilage condensation; synonym: metatarsal cartilage condensation
 metatarsus pre-cartilage condensation; synonym: metatarsal pre-cartilage condensation
 phalanx
 phalanx cartilage condensation; synonym: phalangeal cartilage condensation
 phalanx pre-cartilage condensation; synonym: phalangeal pre-cartilage condensation
metatarsus
phalanx
skin
 dermis
 epidermis
digit 4
 claw
 epithelium
 mesenchyme
 metatarsus
 metatarsus cartilage condensation; synonym: metatarsal cartilage condensation
 metatarsus pre-cartilage condensation; synonym: metatarsal pre-cartilage condensation
 phalanx
 phalanx cartilage condensation; synonym: phalangeal cartilage condensation
 phalanx pre-cartilage condensation; synonym: phalangeal pre-cartilage condensation
metatarsus
phalanx
skin
 dermis
 epidermis
digit 5
 claw
 epithelium
 mesenchyme
 metatarsus
 metatarsus cartilage condensation; synonym: metatarsal cartilage condensation
 metatarsus pre-cartilage condensation; synonym: metatarsal pre-cartilage condensation
 phalanx
 phalanx cartilage condensation; synonym: phalangeal cartilage condensation
 phalanx pre-cartilage condensation; synonym: phalangeal pre-cartilage condensation
metatarsus
phalanx
skin
 dermis
 epidermis
interdigital region between digits 1 and 2
 epithelium
 mesenchyme
 skin
 dermis
 epidermis
interdigital region between digits 2 and 3
 epithelium
 mesenchyme
 skin
 dermis
 epidermis
interdigital region between digits 3 and 4
 epithelium
 mesenchyme
 skin
 dermis
 epidermis
interdigital region between digits 4 and 5
 epithelium
 mesenchyme
 skin
 dermis

epidermis
mesenchyme
future tarsus
calcaneum cartilage condensation
calcaneum pre-cartilage condensation
other mesenchyme
talus cartilage condensation
talus pre-cartilage condensation
tarsus
calcaneum
other mesenchyme
talus
rest of epithelium
rest of skin
dermis
epidermis
skin
dermis
epidermis
plantar pads; synonym: digital pads
tarsus
calcaneum
talus
leg
hip
epithelium
hip joint
mesenchyme
hip joint primordium
rest of mesenchyme
skin
dermis
epidermis
knee
epithelium
knee joint
fabella CC
ligamentum patellae
patella CC
mesenchyme
knee joint primordium
fabella PCC
ligamentum patellae
patella PCC
rest of mesenchyme
skin
dermis
epidermis
lower leg; synonym: leg
epithelium
fibula
mesenchyme
fibula
fibular cartilage condensation; synonym: fibular cartilage condensation
rest of mesenchyme
tibia
tibia cartilage condensation; synonym: tibial cartilage condensation
tibia-fibular pre-cartilage condensation; synonym: tibial-fibular pre-cartilage condensation
skeletal muscle
flexor digitorum profundus
skin
dermis
epidermis
tibia
upper leg; synonym: thigh
epithelium
femur
mesenchyme
femur
femur cartilage condensation; synonym: femoral cartilage condensation
femur pre-cartilage condensation; synonym: femoral pre-cartilage condensation
rest of mesenchyme
skeletal muscle

- hamstring
- quadriceps
- skeletal muscle
 - adductor group
 - hamstrings
 - quadriceps
- skin
 - dermis
 - epidermis
- hindlimb bud
 - ectoderm
 - apical ectodermal ridge; synonym: AER
 - footplate
 - ectoderm
 - apical ectodermal ridge; synonym: AER
 - mesenchyme
- leg
 - ectoderm
 - mesenchyme
 - mesenchyme
- hindlimb ridge
 - ectoderm
 - mesenchyme
 - mesenchyme
- head mesenchyme
 - mesenchyme derived from head mesoderm
 - mesenchyme derived from neural crest
 - facial neural crest
 - facio-acoustic neural crest
 - trigeminal neural crest
 - paraxial mesenchyme
- somite
 - somite 01
 - somite 02
 - somite 03
 - somite 04
- trunk mesenchyme
 - body-wall mesenchyme
 - intermediate mesenchyme; synonym: intermediate plate
 - lateral mesenchyme derived from mesoderm; synonym: lateral mesenchyme
 - mesenchyme derived from somatopleure
 - mesenchyme derived from splanchnopleure
 - lateral plate mesenchyme; synonym: lateral mesenchyme
 - somatopleure
 - splanchnopleure
 - mesenchyme derived from neural crest
 - lateral migration pathway
 - medial migration pathway
 - mesenchyme derived from somatopleure
 - mesenchyme derived from splanchnopleure
 - paraxial mesenchyme
 - mesenchyme derived from neural crest
- somite
 - somite 05
 - dermomyotome
 - myocoele
 - sclerotome
 - somite 06
 - dermomyotome
 - myocoele
 - sclerotome
 - somite 07
 - dermomyotome
 - myocoele
 - sclerotome
 - somite 08
 - dermomyotome
 - myocoele
 - sclerotome
 - somite 09
 - dermomyotome
 - myocoele
 - sclerotome

somite 10
dermomyotome
myocoele
sclerotome
somite 11
dermomyotome
myocoele
sclerotome
somite 12
dermomyotome
myocoele
sclerotome
somite 13
dermomyotome
myocoele
sclerotome
somite 14
dermomyotome
myocoele
sclerotome
somite 15
dermomyotome
myocoele
sclerotome
somite 16
dermomyotome
myocoele
sclerotome
somite 17
dermomyotome
myocoele
sclerotome
somite 18
dermomyotome
myocoele
sclerotome
somite 19
dermomyotome
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myocoele
sclerotome
somite 24
dermomyotome
myocoele
sclerotome
somite 25
dermomyotome
myocoele
sclerotome
somite 26
dermomyotome
myocoele
sclerotome
somite 27
dermomyotome
myocoele
sclerotome
somite 28

dermomyotome
myocoele
sclerotome
somite 29
dermomyotome
myocoele
sclerotome
somite 30
dermomyotome
myocoele
sclerotome
unsegmented mesenchyme; synonym: presomitic mesenchyme
primordial germ cells
septum transversum
hepatic component
non-hepatic component
trunk mesenchyme from neural crest

mesoderm
notochord
notochordal plate
notochordal process; synonym: head process
organ system
cardiovascular system
arterial system
1st arch artery
2nd arch artery
anterior cerebral artery
aorta
arch of aorta
dorsal aorta
abdominal aorta
thoracic aorta
ascending
descending
arch of aorta
axillary artery
basilar artery
branchial arch artery
1st arch artery
2nd arch artery
3rd arch artery
4th arch artery
6th arch artery
bronchial artery
carotid artery
carotid body
carotid sinus
common; synonym: common carotid artery
external; synonym: external carotid artery
internal; synonym: internal carotid artery
cerebral artery
anterior; synonym: anterior cerebral artery
middle; synonym: middle cerebral artery
posterior; synonym: posterior cerebral artery
coeliac trunk
common carotid artery
communicating artery
anterior
posterior
coronary artery
dorsal aorta
abdominal aorta
common
left
post-ductal part of thoracic aorta
right
ductus arteriosus
ductus caroticus
epigastric artery
inferior
superior
facial artery
greater palatine artery

hepatic artery
hyaloid artery; synonym: central artery of retina
hyoid artery
iliac artery
 common
 external
 internal
innominate artery; synonym: brachiocephalic artery
intercostal artery
internal carotid artery
 left
 right
internal thoracic artery; synonym: mammary
intersegmental artery
lumbar artery
maxillary artery
median sacral artery
mesenteric artery
 inferior
 superior
middle cerebral artery
musculo-phrenic artery
ophthalmic artery
ovarian artery
posterior cerebral artery
principal artery to forelimb; synonym: axial, 7th cervical intersegmental
principal artery to hindlimb; synonym: 5th lumbar intersegmental, axial
pulmonary artery
pulmonary trunk
renal artery
spinal artery
 anterior
 posterior
splenic artery
stapedial artery
subclavian artery
subcostal artery
superior cerebellar artery
testicular artery
thyroid artery
 inferior
 superior
umbilical artery
 left
 right
vertebral artery
vitelline artery
blood
heart
 aortic sinus
 atrio-ventricular canal; synonym: ependymal canal
 atrio-ventricular cushion tissue; synonym: ependymal cushion tissue, bulbar cushion
 atrium
 common atrial chamber
 cardiac jelly
 cardiac muscle; synonym: myocardium
 endocardial lining
 left part
 cardiac jelly
 cardiac muscle; synonym: myocardium
 endocardial lining
 left auricular region
 cardiac muscle; synonym: myocardium
 endocardial lining
 right part
 cardiac jelly
 cardiac muscle; synonym: myocardium
 endocardial lining
 right auricular region
 cardiac muscle; synonym: myocardium
 endocardial lining
 valve
 venous valve

- interatrial septum
 - foramen ovale
 - foramen primum; synonym: ostium primum
 - septum primum
 - foramen primum; synonym: ostium primum
 - foramen secundum; synonym: ostium secundum
 - septum secundum
- left atrium
 - auricular region
 - cardiac muscle; synonym: myocardium
 - endocardial lining
 - cardiac muscle; synonym: myocardium
 - endocardial lining
- right atrium
 - auricular region
 - cardiac muscle; synonym: myocardium
 - endocardial lining
 - cardiac muscle; synonym: myocardium
 - endocardial lining
 - valve
 - venous valve
- bulbar cushion
- bulbo-ventricular region
 - bulbar cushion
 - bulbar ridge
- bulboventricular groove; synonym: ependymal groove, ependymal sulcus, bulbo-ventricular sulcus
- bulbus cordis
 - caudal half
 - cardiac jelly
 - cardiac muscle; synonym: myocardium
 - endocardial lining
 - endocardial tube
 - rostral half; synonym: conotruncus
 - cardiac jelly
 - cardiac muscle; synonym: myocardium
 - endocardial lining
 - endocardial tube
- cardiogenic plate; synonym: myocardial plate
- common atrial chamber
 - cardiac jelly
 - cardiac muscle; synonym: myocardium
 - endocardial tube
- early primitive heart tube
 - cardiac jelly
 - cardiac muscle; synonym: myocardium
 - endocardial tube
- endocardial cushion tissue; synonym: bulbar cushion
- endocardial tissue
- mesentery
 - dorsal mesocardium; synonym: dorsal mesentery of heart
 - transverse pericardial sinus
- outflow tract
 - aortic component
 - aortico-pulmonary spiral septum
 - ascending aorta; synonym: future
 - pulmonary trunk; synonym: future
 - cardiac jelly
 - endocardial tube
 - mesenchyme
 - pulmonary component
 - proximal part
- pericardium
 - fibrous pericardium
 - parietal pericardium
 - serosal pericardium
 - parietal
 - visceral; synonym: epicardium
 - visceral pericardium; synonym: epicardium
- primitive heart tube
 - bulbus cordis
 - caudal half
 - cardiac jelly
 - cardiac muscle; synonym: myocardium

- endocardial tube
- rostral half; synonym: conotruncus
- cardiac jelly
- cardiac muscle; synonym: myocardium
- endocardial tube
- common atrial chamber
- cardiac jelly
- cardiac muscle; synonym: myocardium
- endocardial tube
- outflow tract
- cardiac jelly
- endocardial tube
- mesenchyme
- primitive ventricle; synonym: future left ventricle
- cardiac jelly
- cardiac muscle; synonym: myocardium
- endocardial tube
- primitive ventricle; synonym: future left ventricle
- cardiac jelly
- cardiac muscle; synonym: myocardium
- endocardial lining
- endocardial tube
- sinus venosus
- left horn
- right horn
- trabeculae carneae
- valve
- aortic valve
- leaflets
- mitral valve; synonym: bicuspid valve
- leaflets
- pulmonary valve
- leaflets
- tricuspid valve
- leaflets
- ventricle
- bulbar ridge
- interventricular groove
- interventricular septum; synonym: ependymal septum
- cardiac muscle; synonym: myocardium
- endocardial lining
- membranous part
- muscular part
- left ventricle
- cardiac muscle; synonym: myocardium
- endocardial lining
- right ventricle
- cardiac muscle; synonym: myocardium
- endocardial lining
- lymphatic system
- Peyer's patches
- jugular lymph sac
- thoracic duct
- venous system
- accessory hemiazygos vein
- anterior cardinal vein
- axillary vein
- azygos vein
- brain
- hindbrain; synonym: rhombencephalon
- sinus
- venous dural
- cavernous
- inferior petrosal
- inferior sagittal
- pineal venous plexus
- sigmoid
- superior sagittal
- transverse
- cardinal vein
- anterior
- common; synonym: Duct of Cuvier
- posterior

- common iliac vein
- deep dorsal vein of clitoris
- deep dorsal vein of penis
- ductus venosus
- epigastric vein
 - inferior
 - superior
- external jugular vein
- facial vein
- femoral vein
- great cerebral vein of Galen
- greater palatine vein
- hemiazygos vein
- hepatic vein
- hepatico-cardiac vein
 - left
 - right
- inter-subcardinal venous anastomosis
- intercostal vein
- internal jugular vein
- internal thoracic vein; synonym: mammary
- jugular vein
 - external
 - internal
- lingual vein
- marginal vein of forelimb
- marginal vein of hindlimb
- mesenteric vein
 - inferior
 - superior
- musculo-phrenic vein
- ophthalmic vein
- ovarian vein
- portal vein
- primary head vein
- principal vein of forelimb; synonym: axial vein of limb
- principal vein of hindlimb; synonym: axial vein of limb
- pulmonary vein
- renal vein
- spinal vein
- subcardinal vein
- subclavian vein
- superficial temporal vein
- superior vesical vein
- supracardinal vein
- testicular vein; synonym: pampiniform plexus
- thyroid vein
 - inferior
 - superior
- umbilical vein
 - left
 - right
- vena cava
 - inferior
 - post-hepatic part
 - left
 - right
 - pre-hepatic part
 - superior; synonym: cranial vena cava
 - left
 - right
- vessels connecting internal carotid artery to primary head veins
- vitelline vein; synonym: omphalomesenteric vein
 - left
 - right
- vitelline venous plexus
- gland
 - adrenal gland
 - cortex
 - medulla
 - haemolymphoid system
 - spleen primordium
 - thymus primordium

- haemolymphoid system
 - gland
 - spleen
 - hilum
 - medullary region
 - thymus
 - medullay core
 - thin fibrous capsule
- integumental system
 - gland
 - mammary gland
 - epithelium
 - mesenchyme
 - ridge
 - hair
 - bulb
 - follicle
 - root sheath
 - muscle
 - superficial muscle
 - panniculus carnosus group
 - platysma
- physiological umbilical hernia
 - dermis
 - epidermis
 - rest of skin
 - brown fat
 - cervical sinus; synonym: retro-hyoid depression
 - dermis
 - epicranial aponeurosis; synonym: galea aponeurotica
 - epidermis
 - vibrissa
 - dermal component
 - epidermal component
- skin
 - cervical sinus; synonym: retro-hyoid depression
 - dermis
 - epidermis
 - vibrissa
 - dermal component
 - epidermal component
 - epithelium
 - mesenchyme
 - vibrissa
 - dermal component
 - epidermal component
- nervous system
 - central nervous system; synonym: CNS
 - brain
 - forebrain
 - diencephalon
 - 3rd ventricle; synonym: diencephalic vesicle
 - anterior commissure
 - diencephalic part of interventricular foramen; synonym: ependymal foramen
 - optic recess; synonym: lumen of optic stalk
 - epithalamus
 - epithalamic recess; synonym: pineal recess
 - choroid plexus
 - mantle layer
 - marginal layer
 - pineal gland; synonym: epiphysis
 - stalk; synonym: peduncle
 - pineal primordium; synonym: epiphysis
 - ventricular layer
 - floor plate
 - gland
 - pituitary
 - adenohypophysis
 - pars anterior; synonym: anterior lobe, pars distalis
 - pars intermedia
 - pars tuberalis
 - remnant of Rathke's pouch
 - infundibular recess of 3rd ventricle; synonym: future neurohypophysis

- neurohypophysis
 - infundibulum
 - median eminence
 - pars nervosa; synonym: pars posterior
- hypothalamus
 - mantle layer
 - lenticular nucleus
 - marginal layer
 - ventricular layer
- internal capsule
- lamina terminalis
- lateral wall
 - mantle layer
 - marginal layer
 - ventricular layer
- meninges
 - arachnoid mater
 - dura mater
 - pia mater
 - subarachnoid space
 - cisterna chiasmatica
- roof plate
- thalamus
 - interthalamic adhesion; synonym: massa intermedia
 - mantle layer
 - marginal layer
 - ventricular layer
- hippocampus
- telencephalon; synonym: cerebral hemisphere
 - cerebral cortex; synonym: neopallium
 - hippocampus
 - mantle layer
 - marginal layer
 - ventricular layer
 - mantle layer
 - marginal layer
 - rest of cerebral cortex
 - mantle layer
 - marginal layer
 - ventricular layer
 - ventricular layer
- choroid invagination; synonym: tela choroidea
- choroid fissure
- choroid plexus
- corpus striatum
- caudate nucleus
 - caudate-putamen
 - head
 - tail
- dentate gyrus
- lentiform nucleus
- lateral ventricle; synonym: telencephalic vesicle
 - anterior horn
 - choroid plexus
 - head
 - choroid plexus
 - inferior horn
 - choroid plexus
 - posterior horn
 - choroid plexus
 - superior horn
 - choroid plexus
 - tail
 - choroid plexus
 - telencephalic part of interventricular foramen; synonym: ependymal foramen
- mantle layer
- marginal layer
- meninges
 - arachnoid mater
 - dura mater
 - falx cerebri
 - pia mater
 - subarachnoid space

- olfactory lobe
 - olfactory cortex
 - mantle layer
 - marginal layer
 - ventricular layer
- temporal lobe
 - mantle layer
 - marginal layer
 - ventricular layer
 - ventricular layer
- hindbrain; synonym: rhombencephalon
- 4th ventricle; synonym: rhombencephalic vesicle
 - lateral recess
- medulla oblongata
 - floor plate
 - lateral wall
 - alar plate
 - mantle layer
 - marginal layer
 - ventricular layer
 - basal plate
 - mantle layer
 - marginal layer
 - medullary raphe
 - mantle layer
 - marginal layer
 - ventricular layer
 - rest of basal plate
 - inferior olivary nucleus
 - mantle layer
 - marginal layer
 - ventricular layer
 - ventricular layer
 - sulcus limitans
- roof; synonym: roof plate
 - choroid plexus; synonym: roof plate
- meninges
 - arachnoid mater
 - dura mater
 - tentorium cerebelli
 - pia mater
 - subarachnoid space
 - basal cistern; synonym: cisterna interpeduncularis, interpeduncular cistern
 - pontine cistern
- metencephalon
 - floor plate
 - lateral wall
 - alar plate
 - cerebellum
 - dorsal part; synonym: vermis
 - mantle layer
 - marginal layer
 - ventricular layer
 - intraventricular portion
 - mantle layer
 - marginal layer
 - ventricular layer
 - mantle layer
 - marginal layer
 - rest of cerebellum
 - mantle layer
 - marginal layer
 - ventricular layer
 - ventricular layer
 - cerebellum primordium; synonym: dorsal part of alar plate of metencephalon, rhombic lip
 - mantle layer
 - marginal layer
 - rest of alar plate
 - mantle layer
 - marginal layer
 - ventricular layer
 - ventricular layer
 - basal plate

mantle layer
marginal layer
pons
 mantle layer
 marginal layer
 ventricular layer
 ventricular layer
sulcus limitans
rhombomere 01
 floor plate
 lateral wall
 mantle layer
 marginal layer
 ventricular layer; synonym: ependymal layer
 roof plate
rhombomere 02
 floor plate
 lateral wall
 mantle layer
 marginal layer
 ventricular layer; synonym: ependymal layer
 roof plate
roof
 choroid plexus
myelencephalon
 floor plate
 lateral wall
 alar plate
 mantle layer
 marginal layer
 ventricular layer
 basal plate
 mantle layer
 marginal layer
 ventricular layer
rhombomere 03
 floor plate
 lateral wall
 mantle layer
 marginal layer
 ventricular layer; synonym: ependymal layer
 roof plate
rhombomere 04
 floor plate
 lateral wall
 mantle layer
 marginal layer
 ventricular layer; synonym: ependymal layer
 roof plate
rhombomere 05
 floor plate
 lateral wall
 mantle layer
 marginal layer
 ventricular layer; synonym: ependymal layer
 roof plate
rhombomere 06
 floor plate
 lateral wall
 mantle layer
 marginal layer
 ventricular layer; synonym: ependymal layer
 roof plate
rhombomere 07
 floor plate
 lateral wall
 mantle layer
 marginal layer
 ventricular layer; synonym: ependymal layer
 roof plate
rhombomere 08
 floor plate
 lateral wall

mantle layer
marginal layer
ventricular layer; synonym: ependymal layer
roof plate
roof plate
rhombomere 01
floor plate
lateral wall
mantle layer
marginal layer
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 02
floor plate
lateral wall
mantle layer
marginal layer
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 03
floor plate
lateral wall
mantle layer
marginal layer
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 04
floor plate
lateral wall
mantle layer
marginal layer
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 05
floor plate
lateral wall
mantle layer
marginal layer
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 06
floor plate
lateral wall
mantle layer
marginal layer
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 07
floor plate
lateral wall
mantle layer
marginal layer
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 08
floor plate
lateral wall
mantle layer
marginal layer
ventricular layer; synonym: ependymal layer
roof plate
midbrain; synonym: mesencephalon
cerebral aqueduct
floor plate
lateral wall
mantle layer
marginal layer
ventricular layer; synonym: ependymal layer
meninges
arachnoid mater
dura mater
pia mater
subarachnoid space

basal cistern; synonym: interpeduncular cistern, cisterna interpeduncularis
cisterna chiasmatica
mesencephalic vesicle; synonym: cerebral aqueduct
roof
roof plate
rest of roof plate; synonym: caudal part of midbrain roof
tectum; synonym: rostral part of midbrain roof
tegmentum
future brain
future forebrain
diencephalon
3rd ventricle; synonym: diencephalic vesicle
diencephalic part of interventricular foramen; synonym: ependymal foramen
optic recess; synonym: lumen of optic stalk
floor plate
gland
pituitary
infundibular recess of 3rd ventricle
lamina terminalis
lateral wall
ventricular layer; synonym: ependymal layer
roof plate
telencephalon; synonym: future cerebral hemisphere
floor plate
lateral wall
ventricular layer; synonym: ependymal layer
roof plate
telencephalic vesicle; synonym: future lateral ventricle
telencephalic part of interventricular foramen; synonym: ependymal foramen
ventricular layer
future midbrain; synonym: future mesencephalon
floor plate
lateral wall
ventricular layer; synonym: ependymal layer
mesencephalic vesicle
neural crest
roof plate
future rhombencephalon; synonym: future hindbrain
4th ventricle; synonym: rhombencephalic vesicle
rhombomere 01
floor plate
lateral wall
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 02
floor plate
lateral wall
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 03
floor plate
lateral wall
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 04
floor plate
lateral wall
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 05
floor plate
lateral wall
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 06
floor plate
lateral wall
ventricular layer; synonym: ependymal layer
roof plate
rhombomere 07
floor plate
lateral wall
ventricular layer; synonym: ependymal layer

- roof plate
- rhombomere 08
- floor plate
- lateral wall
 - ventricular layer; synonym: ependymal layer
- roof plate
- prosencephalon; synonym: future forebrain
 - floor plate
 - future diencephalon
 - 3rd ventricle; synonym: diencephalic vesicle
 - floor plate
 - lateral wall
 - neural crest
 - roof plate
 - lateral wall
 - neural crest
 - prosencephalic vesicle
 - roof plate
 - rostral neuropore; synonym: anterior neuropore
- future spinal cord
 - caudal neuropore; synonym: posterior neuropore
 - neural plate
 - neural fold
 - neural crest
 - neural tube
 - floor plate
 - lateral wall
 - mantle layer
 - alar columns
 - basal columns
 - marginal layer
 - ventricular layer; synonym: ependymal
 - neural lumen
 - neural luminal occlusion
 - roof plate
- ganglion
 - cranial
 - acoustic ganglion VIII
 - facial VII
 - facial ganglion VII
 - facio-acoustic VII-VIII preganglion complex
 - facio-acoustic ganglion complex VII-VIII
 - glossopharyngeal IX
 - inferior; synonym: petrosal ganglion
 - superior
 - glossopharyngeal IX preganglion
 - glossopharyngeal-vagus IX-X ganglion complex
 - glossopharyngeal-vagus IX-X preganglion complex
 - trigeminal V; synonym: semiluminar ganglion
 - trigeminal V preganglion
 - vagus X
 - inferior; synonym: nodose ganglion
 - superior; synonym: gasserian ganglion
 - vagus X preganglion
 - vestibulo-cochlear VIII ganglion complex
 - vestibulocochlear VIII
 - cochlear component
 - vestibular component
 - nerve
 - cranial
 - abducent VI
 - accessory XI
 - cranial component
 - spinal component
 - facial VII
 - chorda tympani branch
 - glossopharyngeal IX
 - hypoglossal XII
 - oculomotor III
 - olfactory I
 - optic II
 - trigeminal V
 - mandibular division

- lingual branch
- maxillary division
- ophthalmic division
- trochlear IV
- vestibulocochlear VIII
 - cochlear component
 - vestibular component
- spinal cord
 - conus medullaris
 - filum terminale
 - floor plate
 - lateral wall
 - mantle layer
 - alar columns
 - dorsal grey horn
 - basal columns
 - ventral grey horn
 - intermediate grey horn
 - marginal layer
 - sulcus limitans
 - ventricular layer; synonym: ependymal
- meninges
 - arachnoid mater
 - dura mater
 - pia mater
 - roof plate
- peripheral nervous system; synonym: PNS
 - autonomic
 - ganglion
 - ciliary ganglion
 - paraganglion of Zuckerkandl; synonym: para-aortic bodis
 - nerve plexus
 - hypogastric plexus
 - inferior
 - superior
 - parasympathetic
 - nerve
 - vagal X nerve trunk
 - left recurrent laryngeal branch
 - recurrent laryngeal branch
 - right recurrent laryngeal branch
 - recurrent laryngeal branch
 - sympathetic
 - ganglion
 - cervical
 - inferior; synonym: cervico-thoracic, stellate ganglion
 - middle
 - superior
 - cervico-thoracic; synonym: stellate
 - coeliac
 - thoracic
 - nerve trunk; synonym: nerve chain
- spinal
 - ganglion
 - dorsal root ganglion; synonym: posterior root ganglion
 - nerve
 - accessory XI
 - spinal component
 - intercostal
 - phrenic
 - segmental spinal nerve
 - nerve plexus
 - brachial plexus
 - axillary nerve; synonym: circumflex nerve
 - median nerve
 - radial nerve
 - ulnar nerve
 - lumbo-sacral plexus
 - sciatic
 - sciatic nerve
- sensory organ
 - ear
 - external ear

1st branchial membrane; synonym: future tympanic membrane
epithelium
auditory hillocks; synonym: auditory tubercles
external auditory meatus
future tympanic membrane; synonym: 1st branchial membrane
endothelium
epithelium
pinna
cartilage condensation
mesenchymal condensation
mesenchyme
mesenchyme condensation
surface epithelium
tympanic membrane primodium
endothelium
epithelium
inner ear
endolymphatic appendage; synonym: diverticulum
associated mesenchyme
epithelium
endolymphatic duct
associated mesenchyme
epithelium
endolymphatic sac
associated mesenchyme
epithelium
fenestra cochleae
fenestra vestibuli
labyrinth
associated mesenchyme
epithelium
otic capsule; synonym: pre-cartilage
otic cartilage
otic pit
associated mesenchyme
epithelium
lumen
otic placode
associated mesenchyme
epithelium
otocyst; synonym: otic vesicle
associated mesenchyme
endolymphatic appendage; synonym: diverticulum
associated mesenchyme
epithelium
epithelium
other part
associated mesenchyme
epithelium
spiral organ of Corti
vestibular component
ductus reuniens
associated mesenchyme
epithelium
sacculae
associated mesenchyme
cochlea
cochlear duct
associated mesenchyme
epithelium
organ of Corti; synonym: spiral organ of Corti
epithelium
utricle
associated mesenchyme
crus commune
associated mesenchyme
epithelium
epithelium
lateral semicircular canal
associated mesenchyme
epithelium
posterior semicircular canal
associated mesenchyme

- epithelium
- superior semicircular canal
- associated mesenchyme
- epithelium
- middle ear
- associated mesenchyme
- ossicle
 - incus
 - incus cartilage condensation
 - incus pre-cartilage condensation
 - malleus
 - malleus cartilage condensation
 - malleus pre-cartilage condensation
 - stapes
 - stapes cartilage condensation
 - stapes pre-cartilage condensation
- pharyngo-tympanic tube; synonym: Eustacian tube
- stapedius muscle
- tensor tympani muscle
- tubo-tympanic recess
- eye
- Harderian gland; synonym: inferior aveolar canal
- anterior chamber
 - aqueous humour
- choroid
- choroidal blood vessels
- conjunctival sac
 - lower recess
 - upper recess
- cornea
 - Descemet's membrane
 - epithelium
 - stroma
- eyelid
 - inner canthus; synonym: nasal canthus
 - lower
 - epithelium
 - mesenchyme
 - upper
 - epithelium
 - mesenchyme
- hyaloid cavity
 - hyaloid vascular plexus
 - tunica vasculosa lentis
 - vasa hyaloidea propria
- vitreous humour
- iris
- lens
 - anterior epithelium
 - capsule
 - embryonic nucleus
 - equatorial epithelium
 - lens fibres
 - anterior
 - posterior
 - posterior suture
- lens pit
- lens placode
- lens vesicle
 - anterior epithelium
 - cavity
 - epithelium
 - equatorial epithelium
 - posterior epithelium
 - mesenchyme
- optic chiasma
- optic cup
 - inner layer; synonym: future neural epithelium, future neural layer
 - intraretinal space
 - outer layer; synonym: future pigmented retinal epithelium, future PRE, future pigmented layer
- optic eminence
- ectoderm
- mesenchyme

- surface ectoderm
- optic pit; synonym: optic evagination
- neural ectoderm
- optic stalk
 - fissure
 - optic nerve
- optic sulcus; synonym: optic evagination
 - neural ectoderm
- optic vesicle
 - neural ectoderm
- orbital fat pad
- perioptic mesenchyme
- retina
 - ciliary body
 - embryonic fissure; synonym: fissure, choroid fissure
 - intraretinal space
 - neural retina
 - nerve fibre layer
 - nuclear layer
 - inner nuclear layer
 - intermediate anuclear layer; synonym: layer of Chievitz
 - outer nuclear layer; synonym: neuroblastic layer
 - neural retinal epithelium
 - optic disc
 - pigmented retinal epithelium
- sclera
- skeletal muscle
 - extrinsic ocular muscle
 - extrinsic ocular pre-muscle mass
- smooth muscle
 - intrinsic ocular muscle
- surface ectoderm of the eye; synonym: optic eminence
- tear duct
- nose
 - meatus
 - inferior
 - middle
 - superior
 - naris
 - anterior
 - epithelium
 - external
 - epithelium
 - posterior
 - epithelium
 - primary choana
 - nasal capsule
 - nasal cavity
 - epithelium
 - olfactory
 - respiratory
 - nasal septum
 - epithelium
 - mesenchyme
 - naso-lacrimal duct
 - naso-lacrimal groove
 - olfactory pit
 - nasal epithelium
 - olfactory placode
- process
 - fronto-nasal process
 - ectoderm
 - frontal process
 - ectoderm
 - epithelium
 - mesenchyme
 - latero-nasal process
 - ectoderm
 - epithelium
 - mesenchyme
 - medial-nasal process
 - ectoderm
 - epithelium

mesenchyme
mesenchyme
turbinate bones; synonym: conchae
vomeronasal organ; synonym: Jacobson's organ
epithelium
mesenchyme
visceral organ
alimentary system
anal region
anal canal
associated mesenchyme
caudal part
associated mesenchyme
epithelium
lumen
vascular element; synonym: artery, vein
epithelium
lumen
rostral part
associated mesenchyme
epithelium
lumen
vascular element; synonym: artery, vein
vascular element; synonym: artery, vein
anal membrane
anal pit; synonym: proctodaeum
cloacal membrane
external sphincter
internal sphincter
pectinate line; synonym: site of anal membrane
gut
colon
associated mesenchyme
epithelium
lumen
mesentery
dorsal mesentery
vascular element; synonym: vein, artery
duodenum
associated mesenchyme
duodenal papilla; synonym: ampulla of Vater
epithelium
lumen
mesentery
mesoduodenum
sphincter of Oddi
vascular element
foregut
duodenum
rostral part
associated mesenchyme
epithelium
lumen
mesentery
mesoduodenum
vascular element; synonym: vein, artery
gastro-oesophageal junction
associated mesenchyme
epithelium
lumen
vascular element; synonym: vein, artery
gland
thymus primordium
thyroid
foramen caecum
isthmus
lobe
left
right
thyroglossal duct
median lobe
thyroid primordium
associated mesenchyme

- endoderm
- oesophageal region
 - associated mesenchyme
 - epithelium
 - lumen
 - mesentery
 - dorsal meso-oesophagus
 - vascular element; synonym: vein, artery
- oesophagus
 - associated mesenchyme
 - epithelium
 - lumen
 - mesentery
 - dorsal meso-oesophagus
 - vascular element; synonym: vein, artery
- pharyngeal region
 - associated mesenchyme
 - epithelium
 - lumen
 - vascular element; synonym: vein, artery
- pharynx
 - associated mesenchyme
 - epithelium
 - hyoid bone cartilage condensation
 - hyoid bone pre-cartilage condensation
 - hyoid cartilage cartilage condensation; synonym: Reichert's cartilage cartilage condensation
 - hyoid cartilage pre-cartilage condensation; synonym: Reichert's cartilage pre-cartilage condensation
 - lumen
 - skeleton
 - hyoid bone
 - body
 - greater horn
 - lesser horn
 - tongue; synonym: 1st arch derivative
 - circumvallate papilla
 - epithelium
 - circumvallate papilla
 - filiform papillae
 - fungiform papillae
 - frenulum
 - fungiform papillae
 - hypobranchial eminence
 - intermolar eminence
 - lingual swelling
 - lateral
 - epithelium
 - mesenchyme
 - median; synonym: tuberculum impar
 - epithelium
 - mesenchyme
 - median fibrous septum
 - mesenchyme
 - occipital myotome
 - skeletal muscle
 - extrinsic
 - genioglossus
 - hyoglossus
 - palatoglossus
 - styloglossus
 - extrinsic pre-muscle mass
 - intrinsic
 - transverse component
 - vertical component
 - vascular element; synonym: vein, artery
- rest of foregut
 - associated mesenchyme
 - epithelium
 - lumen
 - mesentery
 - dorsal mesentery
 - ventral mesentery
 - vascular element; synonym: vein, artery
- stomach

- associated mesenchyme
- epithelium
- fundus
 - associated mesenchyme
 - epithelium
 - glandular mucous membrane
 - lumen
 - vascular element; synonym: artery, vein
- glandular region
 - associated mesenchyme
 - epithelium
 - glandular mucous membrane
 - lumen
 - vascular element; synonym: vein, artery
- lumen
- mesentery
 - dorsal mesogastrium
 - gastro-splenic ligament
 - greater omentum
 - lieno-renal ligament
 - splenic primordium
 - ventral mesogastrium
 - falciform ligament
 - lesser omentum
- proventricular region; synonym: non-glandular region, cutaneous, ependymal region
 - associated mesenchyme
 - epithelium
 - lumen
 - vascular element; synonym: artery, vein
- pyloric region
 - associated mesenchyme
 - epithelium
 - lumen
 - pyloric antrum
 - vascular element; synonym: artery, vein
 - vascular element; synonym: artery, vein
- foregut diverticulum; synonym: foregut pocket
 - associated mesenchyme
 - endoderm
 - gland
 - thyroid primordium
 - associated mesenchyme
 - lumen
- foregut-midgut junction
 - associated mesenchyme
 - biliary bud
 - extrahepatic part
 - gall bladder primordium; synonym: cystic primordium
 - intrahepatic part
- duodenum
 - duodenal papilla; synonym: ampulla of Vater
 - sphincter of Oddi
- endoderm
- epithelium
- gland
 - pancreas
 - body
 - dorsal pancreatic duct
 - parenchyma
 - head
 - parenchyma
 - uncinate process
 - ventral pancreatic duct
 - tail
 - dorsal pancreatic duct
 - parenchyma
 - pancreas primordium; synonym: pancreas gland
 - dorsal bud
 - ventral bud
- hepatic diverticulum
- lumen
- mesentery
 - dorsal mesentery

ventral mesentery
vascular element; synonym: artery, vein
gastro-oesophageal junction
associated mesenchyme
epithelium
lumen
mesentery
vascular element; synonym: vein, artery
gland
pancreas
body
dorsal pancreatic duct
parenchyma
islets of Langerhans
head
parenchyma
islets of Langerhans
uncinate process
ventral pancreatic duct
tail
dorsal pancreatic duct
parenchyma
islets of Langerhans
thyroid
foramen caecum
isthmus
lobe
left
colloid-filled follicles
right
colloid-filled follicles
thyroglossal duct
hindgut
associated mesenchyme
epithelium
lumen
mesentery
dorsal mesentery
perineal body
associated mesenchyme
epithelium
lumen
vascular element; synonym: artery, vein
rectum
associated mesenchyme
epithelium
lumen
mesentery
dorsal mesentery
vascular element; synonym: artery, vein
rest of hindgut
associated mesenchyme
epithelium
lumen
mesentery
dorsal mesentery
vascular element; synonym: artery, vein
vascular element; synonym: artery, vein
hindgut diverticulum; synonym: hindgut pocket
associated mesenchyme
endoderm
epithelium
lumen
postanal component
associated mesenchyme
epithelium
lumen
vascular element; synonym: artery, vein
preanal component
associated mesenchyme
epithelium
lumen
vascular element; synonym: artery, vein

primordial germ cells
vascular element; synonym: artery, vein
jejunum
associated mesenchyme
epithelium
lumen
mesentery
dorsal mesentery
vascular element; synonym: vein, artery
large intestine
hindgut derived large intestine
associated mesenchyme
epithelium
lumen
mesentery
dorsal mesentery
vascular element
midgut derived large intestine
associated mesenchyme
epithelium
lumen
mesentery
dorsal mesentery
vascular element
midgut
associated mesenchyme
duodenum
caudal part
associated mesenchyme
epithelium
lumen
mesentery
mesoduodenum
vascular element; synonym: artery, vein
endoderm
epithelium
jejunum
associated mesenchyme
epithelium
lumen
mesentery
dorsal mesentery
vascular element; synonym: artery, vein
loop
associated mesenchyme
epithelium
lumen
mesentery
dorsal mesentery
vascular element; synonym: artery, vein
lumen
mesentery
dorsal mesentery
rest of midgut
associated mesenchyme
epithelium
lumen
mesentery
dorsal mesentery
vascular element; synonym: artery, vein
vascular element; synonym: artery, vein
oesophagus
associated mesenchyme
epithelium
lumen
mesentery
dorsal meso-oesophagus
vascular element; synonym: vein, artery
perineal body
associated mesenchyme
muscle
vascular element; synonym: vein, artery
pharynx

associated mesenchyme

epithelium
lumen
pharyngeal ligament
pharyngeal tubercle
skeletal muscle
constrictor muscle
 inferior
 superior
pretracheal
 cricothyroid
 sternohyoid
 sternothyroid
 thyrohyoid
skeleton
 hyoid bone
 body
 greater horn
 lesser horn
tongue
 circumvallate papilla
 epithelium
 filiform papillae
 frenulum
 fungiform papillae
 intermolar eminence
 median fibrous septum
mesenchyme
 skeletal muscle
 extrinsic
 genioglossus
 hyoglossus
 palatoglossus
 styloglossus
 intrinsic
 transverse component
 vertical component
 sulcus terminalis
vascular element; synonym: vein, artery
rectum

associated mesenchyme

epithelium
lumen
mesentery
 dorsal mesentery
vascular element; synonym: vein, artery
stomach
 fundus

associated mesenchyme

epithelium
glandular mucous membrane
lumen
vascular element; synonym: artery, vein
glandular region

associated mesenchyme

epithelium
glandular mucous membrane
lumen
vascular element; synonym: artery, vein
mesentery

 dorsal mesogastrium
 greater omentum
 gastro-splenic ligament
 lienorenal ligament
 ventral mesogastrium
 falciform ligament
 lesser omentum

proventricular region; synonym: ependymal region, non-glandular region, cutaneous

associated mesenchyme

epithelium
lumen
vascular element; synonym: artery, vein
pyloric region

associated mesenchyme
epithelium
lumen
pyloric antrum
pyloric sphincter
vascular element; synonym: artery, vein
mouth-foregut junction
buccopharyngeal membrane
ectoderm
endoderm
oral region
cavity
epiglottal primordium
epiglottis
gland
parotid
epithelium
mesenchyme
pituitary
Rathke's pouch
salivary gland
sublingual gland
epithelium
mesenchyme
sublingual gland primordium
epithelium
mesenchyme
submandibular gland
epithelium
mesenchyme
submandibular gland primordium
epithelium
mesenchyme
lower jaw
Meckel's cartilage
alveolar sulcus
epithelium
gum
epithelium
mesenchyme
lip
mesenchyme
skeleton
mandible
mandibular canal; synonym: inferior alveolar canal
mesenchyme
tooth
incisor
epithelium
dental lamina
enamel organ
mesenchyme
dental papilla
molar
epithelium
dental lamina
enamel organ
mesenchyme
dental papilla
mandibular process
Meckel's cartilage
mandible primordium
alveolar sulcus
mesenchyme
Meckel's cartilage pre-cartilage condensation
maxillary process
alveolar sulcus
epithelium
maxilla primordium
mesenchyme
palatal shelf
epithelium
mesenchyme

premaxilla
 primary palate; synonym: intermaxillary segment
 epithelium
 mesenchyme
 skeleton
 maxilla
oral cavity
oral epithelium
oronasal cavity
rest of ectoderm
stomatodaeum; synonym: stomatodeum, stomodaeum, oral pit, mouth pit, stomodeum
 gland
 pituitary
 Rathke's pouch
 rest of ectoderm
sublingual caruncle
upper jaw
 alveolar sulcus
 gum
 epithelium
 mesenchyme
lip
 philtrum
 rest of upper lip
 mesenchyme
palatal shelf
 epithelium
 mesenchyme
palate; synonym: secondary palate, definitive palate
 hard palate
 epithelium
 incisive canal
 mesenchyme
 naso-palatine canal
 soft palate
 epithelium
 mesenchyme
premaxilla
 primary palate; synonym: intermaxillary segment
 epithelium
 mesenchyme
skeleton
 maxilla
 premaxilla
tooth
 incisor
 epithelium
 dental lamina
 enamel organ
 mesenchyme
 dental papilla
molar
 epithelium
 dental lamina
 enamel organ
 mesenchyme
 dental papilla
liver and biliary system
 common bile duct
 cystic duct
 gall bladder; synonym: gall bladder gland
 gall bladder primordium; synonym: gall bladder gland
 hepatic duct
 extrahepatic part
 common
 left
 right
 intrahepatic part
 left
 right
liver
 bare area
 hepatic primordium

- parenchyma
- hepatic sinusoids
- lobe
 - left
 - bare area
 - hepatic ducts
 - hepatic sinusoids
 - parenchyma
 - right
 - bare area
 - caudate lobe
 - hepatic sinusoids
 - parenchyma
 - hepatic sinusoids
 - parenchyma
 - quadrate lobe
 - hepatic sinusoids
 - parenchyma
- parenchyma
- renal/urinary system
 - associated mesenchyme**
 - bladder
 - fundus region
 - trigone region
 - urachus
 - wall
 - detrusor muscle
 - degenerating mesonephros
 - mesentery
 - urogenital mesentery
 - mesonephros
 - associated mesenchyme**
 - non-tubular part
 - tubule
 - metanephros; synonym: kidney
 - associated mesenchyme**; synonym: stroma
 - cortex
 - medulla
 - drainage component
 - calyces
 - major
 - minor
 - collecting ducts; synonym: collecting tubules
 - pelvis
 - ureter
 - excretory component
 - cortex
 - capsule
 - glomeruli
 - Bowman's capsule; synonym: glomerular capsule
 - induced blastemal cells
 - nephrons
 - convoluted tubules
 - stem cells
 - medulla
 - loops of Henle
 - medullary stroma
 - medullary tubules
 - induced blastemal cells
 - metanephric mesenchyme
 - primitive collecting duct
 - primitive ureter
 - ureteric bud
- nephric duct; synonym: Wolffian duct
- urogenital membrane
- urogenital sinus
 - pelvic part
 - phallic part
 - urachus
 - vesical part; synonym: future bladder
- urorectal septum

- reproductive system
- female

Mullerian tubercle
clitoris
 crus of clitoris
 glans clitoridis
cystic vesicular appendage
genital tubercle
inguinal canal
inguinal ring
 external; synonym: superficial
 internal; synonym: deep
labial swelling
mesovarium
ovary
 capsule
 germinal cells; synonym: oogonia
 germinal epithelium
 mesenchyme
 ovigerous cords
 primary follicles; synonym: follicle cells
 primary oocytes
 primordial germ cells
 rete ovarii
oviduct
paramesonephric duct; synonym: Mullerian duct
suspensory ligament of ovary
uterine horn
vagina
 lower part
 upper part
genital tubercle
gonad
 germinal epithelium
 mesenchyme
 primordial germ cells
gonad primordium; synonym: ridge
 germinal epithelium
 mesenchyme
 primordial germ cells
male
 appendix epididymis
 appendix testis
 ductus deferens; synonym: from mesonephric or Wolffian duct
 epididymis
 caput; synonym: head
 cauda; synonym: tail
 corpus; synonym: body
 seminal vesicle
 efferent duct
 ejaculatory duct
 genital tubercle
 gland
 bulbo-urethral gland
 prostate gland
 gubernaculum
 mesonephric duct; synonym: future ductus deferens, Wolffian duct
 mesorchium
 penis
 crus penis
 glans penis
 prepuce
 primitive seminiferous tubules
 scrotum
 suspensory ligament of testis
 testis
 cortical region; synonym: germinal epithelium
 suspensory ligament; synonym: germinal epithelium
 tunica albuginea; synonym: fibrous capsule of testis
 tunica vaginalis testis; synonym: coelomic epithelial covering of testis
 germinal epithelium
 mediastinum testis
 medullary region
 hilar region
 rete testis

- non-hilar region
 - interstitial tissue
 - future Leydig cells
 - non-specific mesenchyme
 - primitive seminiferous tubules
 - Sertoli cells; synonym: sustentacular cells
 - primitive Sertoli cells
 - primordial germ cells
 - mesenchyme
 - primordial germ cells
 - rete testis
 - testicular cords; synonym: future seminiferous tubules
- urethra
 - bulbar part
 - bulbo-urethral glands
 - distal region
 - penile region; synonym: penile part, phallic region
 - prostatic region
 - prostatic utricle; synonym: paramesonephric duct
 - urethral groove
 - urethral plate
 - vasa efferentia; synonym: efferent duct
- respiratory system
 - arytenoid cartilage
 - arytenoid swelling cartilage condensation
 - arytenoid swelling pre-cartilage condensation
 - cartilage
 - arytenoid; synonym: 4th branchial arch cartilages
 - cricoid; synonym: 6th branchial arch cartilage
 - laryngeal
 - thyroid; synonym: 4th branchial arch cartilages
 - laryngeal aditus
 - laryngeal cartilage
 - larynx
 - aditus
 - mucous membranes
 - vocal folds
- lung
 - left lung
 - associated mesenchyme
 - epithelium
 - hilus
 - lobar bronchus
 - associated mesenchyme
 - bronchiole
 - alveolar system
 - alveolar duct
 - alveolus
 - epithelium
 - vascular element; synonym: artery, vein
 - vascular element; synonym: artery, vein
 - left lung rudiment
 - associated mesenchyme
 - epithelium
 - lobar bronchus
 - associated mesenchyme
 - epithelium
 - vascular element; synonym: artery, vein
 - vascular element; synonym: artery, vein
 - right lung
 - accessory lobe
 - lobar bronchus
 - associated mesenchyme
 - bronchiole
 - alveolar system
 - alveolar duct
 - alveolus
 - epithelium
 - vascular element; synonym: artery, vein
 - associated mesenchyme
 - caudal lobe
 - lobar bronchus
 - associated mesenchyme

bronchiole
 alveolar system
 alveolar duct
 alveolus
 epithelium
 vascular element; synonym: artery, vein
cranial lobe
lobar bronchus
 associated mesenchyme
 bronchiole
 alveolar system
 alveolar duct
 alveolus
 epithelium
 vascular element; synonym: artery, vein
epithelium
hilus
lobar bronchus
 associated mesenchyme
 epithelium
 vascular element; synonym: artery, vein
middle lobe
lobar bronchus
 associated mesenchyme
 bronchiole
 alveolar system
 alveolar duct
 alveolus
 epithelium
 vascular element; synonym: artery, vein
vascular element; synonym: artery, vein
right lung rudiment
 associated mesenchyme
 epithelium
 vascular element; synonym: artery, vein
respiratory tract
lower
 laryngo-tracheal groove
 tracheal diverticulum
 associated mesenchyme
 epithelium
 vascular element; synonym: artery, vein
main bronchus
 associated mesenchyme
 cartilaginous ring
 epithelium
 vascular element; synonym: artery, vein
trachea
 associated mesenchyme
 carina tracheae
 associated mesenchyme
 epithelium
 vascular element
 cartilaginous ring; synonym: ring
 epithelium
 smooth muscle
 trachealis
 vascular element; synonym: artery, vein
upper
nasopharynx
 associated mesenchyme
 epithelium
 vascular element; synonym: artery, vein
urogenital system
 associated mesenchyme
 gonad primordium; synonym: ridge
 mesenchyme
 primordial germ cells
gonadal component
 associated mesenchyme
 primordial germ cells
incomplete urorectal septum
mesonephros

associated mesenchyme

- non-tubular part
- tubule
- metanephros
 - metanephric mesenchyme
 - ureteric bud
- nephric cord
- nephric duct; synonym: Wolffian duct
- presumptive nephric duct; synonym: Wolffian duct
- primordial germ cells
- pronephros
- urogenital membrane
- urogenital sinus
- urorectal septum
- physiological umbilical hernia
- dermis
- epidermis
- primitive endoderm; synonym: hypoblast, visceral endoderm, proximal endoderm
- primitive streak
 - node; synonym: Henson's node
- skeleton
 - axial skeleton
 - cervical region
 - intervertebral disc
 - C1; synonym: atlas
 - annulus fibrosus
 - nucleus pulposus; synonym: disc, disk
 - C2; synonym: axis
 - annulus fibrosus
 - nucleus pulposus; synonym: disc, disk
 - C3
 - annulus fibrosus
 - nucleus pulposus; synonym: disc, disk
 - C4
 - annulus fibrosus
 - nucleus pulposus; synonym: disc, disk
 - C5
 - annulus fibrosus
 - nucleus pulposus; synonym: disc, disk
 - C6
 - annulus fibrosus
 - nucleus pulposus; synonym: disc, disk
 - C7
 - annulus fibrosus
 - nucleus pulposus; synonym: disc, disk
 - ligamentum nuchae
 - vertebra
 - C1; synonym: atlas
 - cruciate ligament; synonym: triradiate ligament
 - hypochordal arch; synonym: bow
 - C2; synonym: axis
 - C3
 - C4
 - C5
 - C6
 - C7
 - vertebral cartilage condensation
 - C1; synonym: atlas
 - C2; synonym: axis
 - C3
 - C4
 - C5
 - C6
 - C7
 - vertebral pre-cartilage condensation
 - C1; synonym: atlas
 - C2; synonym: axis
 - C3
 - C4
 - C5
 - C6
 - C7
 - lumbar region

intervertebral disc

L1

annulus fibrosus
nucleus polposus; synonym: disc, disk

L2

annulus fibrosus
nucleus polposus; synonym: disc, disk

L3

annulus fibrosus
nucleus polposus; synonym: disc, disk

L4

annulus fibrosus
nucleus polposus; synonym: disc, disk

L5

annulus fibrosus
nucleus polposus; synonym: disc, disk

L6

annulus fibrosus
nucleus polposus; synonym: disc, disk

vertebra

L1

L2

L3

L4

L5

L6

vertebral cartilage condensation

L1

L2

L3

L4

L5

L6

vertebral pre-cartilage condensation

L1

L2

L3

L4

L5

L6

nucleus pulposus

sacral region

intervertebral disc

S1

annulus fibrosus
nucleus polposus; synonym: disc, disk

S2

annulus fibrosus
nucleus polposus; synonym: disc, disk

S3

annulus fibrosus
nucleus polposus; synonym: disc, disk

S4

annulus fibrosus
nucleus polposus; synonym: disc, disk

vertebra

S1

S2

S3

S4

vertebral cartilage condensation

S1

S2

S3

S4

vertebral pre-cartilage condensation

S1

S2

S3

S4

sclerotome condensation

thoracic region

costo-vertebral joint

intervertebral disc

T1
annulus fibrosus
nucleus polposus; synonym: disc, disk

T10
annulus fibrosus
nucleus polposus; synonym: disc, disk

T11
annulus fibrosus
nucleus polposus; synonym: disc, disk

T12
annulus fibrosus
nucleus polposus; synonym: disc, disk

T13
annulus fibrosus
nucleus polposus; synonym: disc, disk

T2
annulus fibrosus
nucleus polposus; synonym: disc, disk

T3
annulus fibrosus
nucleus polposus; synonym: disc, disk

T4
annulus fibrosus
nucleus polposus; synonym: disc, disk

T5
annulus fibrosus
nucleus polposus; synonym: disc, disk

T6
annulus fibrosus
nucleus polposus; synonym: disc, disk

T7
annulus fibrosus
nucleus polposus; synonym: disc, disk

T8
annulus fibrosus
nucleus polposus; synonym: disc, disk

T9
annulus fibrosus
nucleus polposus; synonym: disc, disk

rib

T1
T10
T11
T12
T13
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T9

rib cartilage condensation

T1
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T2
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T7
T8
T9

rib pre-cartilage condensation

T1
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vertebra

T1
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T9

vertebral cartilage condensation

T1
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T9

vertebral pre-cartilage condensation

T1
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T9

cranium

chondrocranium

basioccipital bone
basioccipital cartilage condensation
basioccipital pre-cartilage condensation
basisphenoid pre-cartilage condensation
basisphenoid bone
basisphenoid cartilage condensation
carotid canal
craniopharyngeal canal
exoccipital bone
exoccipital cartilage condensation
exoccipital pre-cartilage condensation
foramen ovale
foramen rotundum
hypoglossal canal; synonym: anterior condylar canal
jugular foramen
pituitary fossa; synonym: sella turcica, hypophyseal fossa
sphenoid
sphenoidal canal
sphenoid bone pre-cartilage condensation
supraoccipital cartilage condensation; synonym: non-squamous part of supraoccipital bone

temporal bone
petrous part; synonym: non-squamous part temporal bone
temporo-mandibular joint
temporo-mandibular joint primordium
temporo-mandibular joint
tympanic ring; synonym: os tympanicum
zygomatic process

vault of skull
frontal bone
frontal bone primordium
inter-parietal bone; synonym: squamous part of supraoccipital bone
inter-parietal bone primordium; synonym: squamous part of suproccipital bone primordium
parietal bone; synonym: mes
parietal bone primordium
sutures and fontanelles
anterior fontanelle
coronal suture
lambdoidal suture
metopic suture
posterior fontanelle
sagittal suture
sphenoidal fontanelle
squamo-parietal suture
temporal bone
squamous part

viscerocranium
ethmoid bone
cribriform plate
ethmoid bone primordium
facial bones
facial bones primordia
nasal bone
optic foramen; synonym: canal
orbital fissure
superior
orbito-sphenoid
turbinate; synonym: conchae

pectoral girdle and thoracic body wall
clavicle
clavicle cartilage condensation
clavicle pre-cartilage condensation
costo-vertebral joint
scapula
scapula cartilage condensation
scapula pre-cartilage condensation
sternum
manubrium sterni
sternebral bone
sternebral bone pre-cartilage condensation
sterno-clavicular joint
xiphisternum; synonym: xiphoid process

pelvic girdle
acetabular region
synovial cavity of hip bone
iliac bone
iliac cartilage condensation
iliac pre-cartilage condensation
ischial bone
ischial pre-cartilage condensation
pubic bone
pubic pre-cartilage condensation
sacro-iliac joint

tail
mesenchyme
mesenchyme derived from neural crest
paraxial mesenchyme
somite
somite 31
dermomyotome
myocoele
sclerotome
somite 32
dermomyotome

myocoele
sclerotome
somite 33
dermomyotome
myocoele
sclerotome
somite 34
dermomyotome
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somite 35
dermomyotome
myocoele
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somite 36
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sclerotome
somite 58
dermomyotome
myocoele
sclerotome
somite 59
dermomyotome
myocoele
sclerotome
somite 60
dermomyotome
myocoele
sclerotome
unsegmented mesenchyme; synonym: presomitic mesenchyme
nervous system
central nervous system; synonym: CNS
future spinal cord
neural plate
neural crest
neural tube
spinal cord
peripheral nervous system
ganglion
dorsal root ganglion
segmental spinal nerve
skeleton
axial skeleton
intervertebral disc
T11
annulus fibrosus
nucleus polposus; synonym: disc, disk
T110
annulus fibrosus
nucleus polposus; synonym: disc, disk
T111
annulus fibrosus
nucleus polposus; synonym: disc, disk
T112
annulus fibrosus
nucleus polposus; synonym: disc, disk
T113
annulus fibrosus
nucleus polposus; synonym: disc, disk
T114
annulus fibrosus

nucleus polposus; synonym: disc, disk
T115
annulus fibrosus
nucleus polposus; synonym: disc, disk
T116
annulus fibrosus
nucleus polposus; synonym: disc, disk
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nucleus polposus; synonym: disc, disk
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annulus fibrosus
nucleus polposus; synonym: disc, disk
T119
annulus fibrosus
nucleus polposus; synonym: disc, disk
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nucleus polposus; synonym: disc, disk
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nucleus polposus; synonym: disc, disk
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nucleus polposus; synonym: disc, disk
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nucleus polposus; synonym: disc, disk
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annulus fibrosus
nucleus polposus; synonym: disc, disk
T18
annulus fibrosus
nucleus polposus; synonym: disc, disk
T19
annulus fibrosus
nucleus polposus; synonym: disc, disk
vertebra
T11
T110
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vertebral cartilage condensation
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vertebral pre-cartilage condensation

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T19

tail bud

vertebral axis muscle system

anterior abdominal wall

skeletal muscle

external oblique

internal oblique

rectus abdominis

transversus abdominis

undifferentiated pre-muscle mass

axial muscle

skeletal muscle

erector spinae

ilio-psoas

intercostal

external layer

internal layer

psoas major

psoas minor

quadratus lumborum

serratus anterior

cranial muscle

skeletal muscle

digastric muscle

masseter

mylohyoid

pterygoid

- lateral
- medial
- sterno-mastoid
- temporalis
- pectoral girdle and thoracic body wall
- skeletal muscle
 - deltoid
 - deltoid pre-muscle mass
 - infraspinatus
 - latissimus dorsi
 - pectoralis major; synonym: pectoralis profundus
 - pectoralis minor; synonym: pectoralis superficialis
 - subscapularis
 - subscapularis pre-muscle mass
 - supraspinatus
 - trapezius
 - transversus thoracis
- pelvic girdle
- skeletal muscle
 - gluteal
 - gluteus maximus; synonym: superficialis
 - gluteus medius
 - iliacus
 - levator ani
- extraembryonic component
 - allantois
 - mesenchyme
 - mesoderm
- amnion
 - ectoderm
 - mesenchyme
 - mesoderm
- amniotic fold
 - ectoderm
 - mesoderm
- cardiovascular system
 - arterial system
 - umbilical artery
 - common
 - venous system
 - umbilical vein
 - common
 - left
 - right
 - vitelline vein
 - left
 - right
- cavities
 - amniotic cavity
 - ectoplacental cavity
 - exocoelomic cavity
 - extraembryonic component of the proamniotic cavity
 - within amniotic fold; synonym: part of future exocoelomic cavity
 - yolk sac cavity
- cavities and their linings
 - blastocoelic cavity
- chorion
 - ectoderm
 - mesenchyme
 - mesoderm
- ectoderm
- endoderm
 - intermediate endoderm
 - parietal endoderm; synonym: distal endoderm
 - Reichert's membrane
 - visceral endoderm
- mesoderm
 - allantois
- second polar body
- trophectoderm
 - mural trophoctoderm
 - primary trophoblast giant cells; synonym: primary trophoblastic giant cells
 - polar trophoctoderm

ectoplacental cone
cytotrophoblast
syncytiotrophoblast
yolk sac
endoderm
mesenchyme
blood island
mesoderm
blood island
primordial germ cells
zona pellucida
first polar body
one-cell stage; synonym: fertilized egg
second polar body
two-cell stage
zona pellucida