

Open Lab Bone Review

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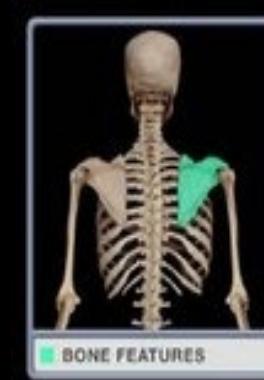
Tutoring Center Lago





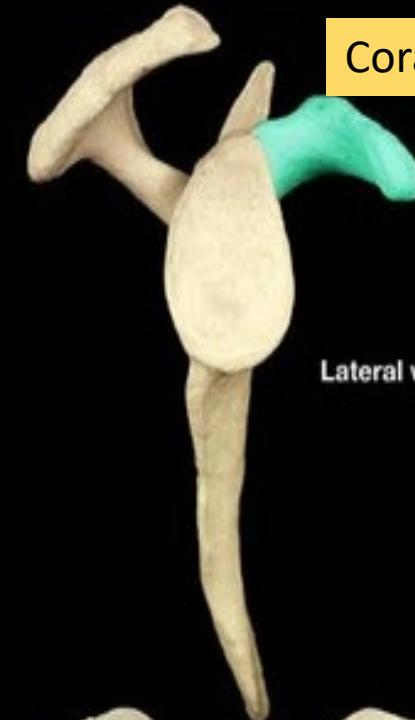
Mandible

Coronoid process



Scapula

Coracoid process

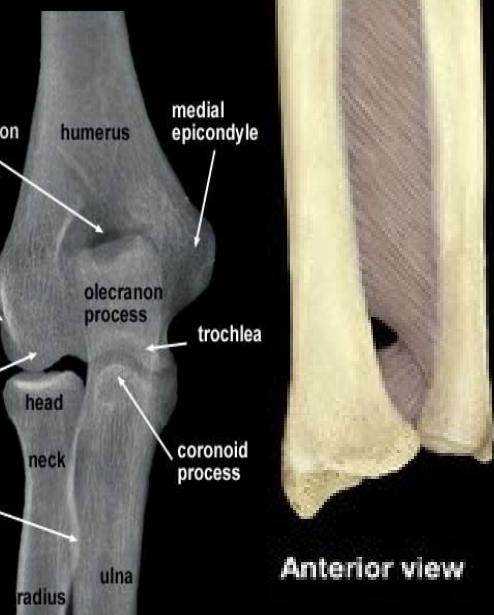
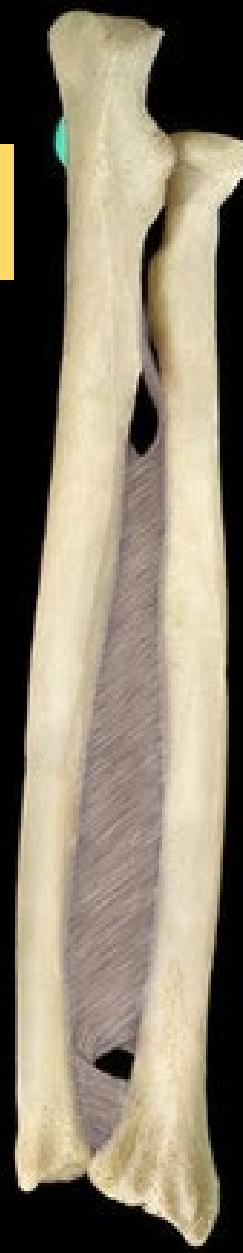




Radius and ulna

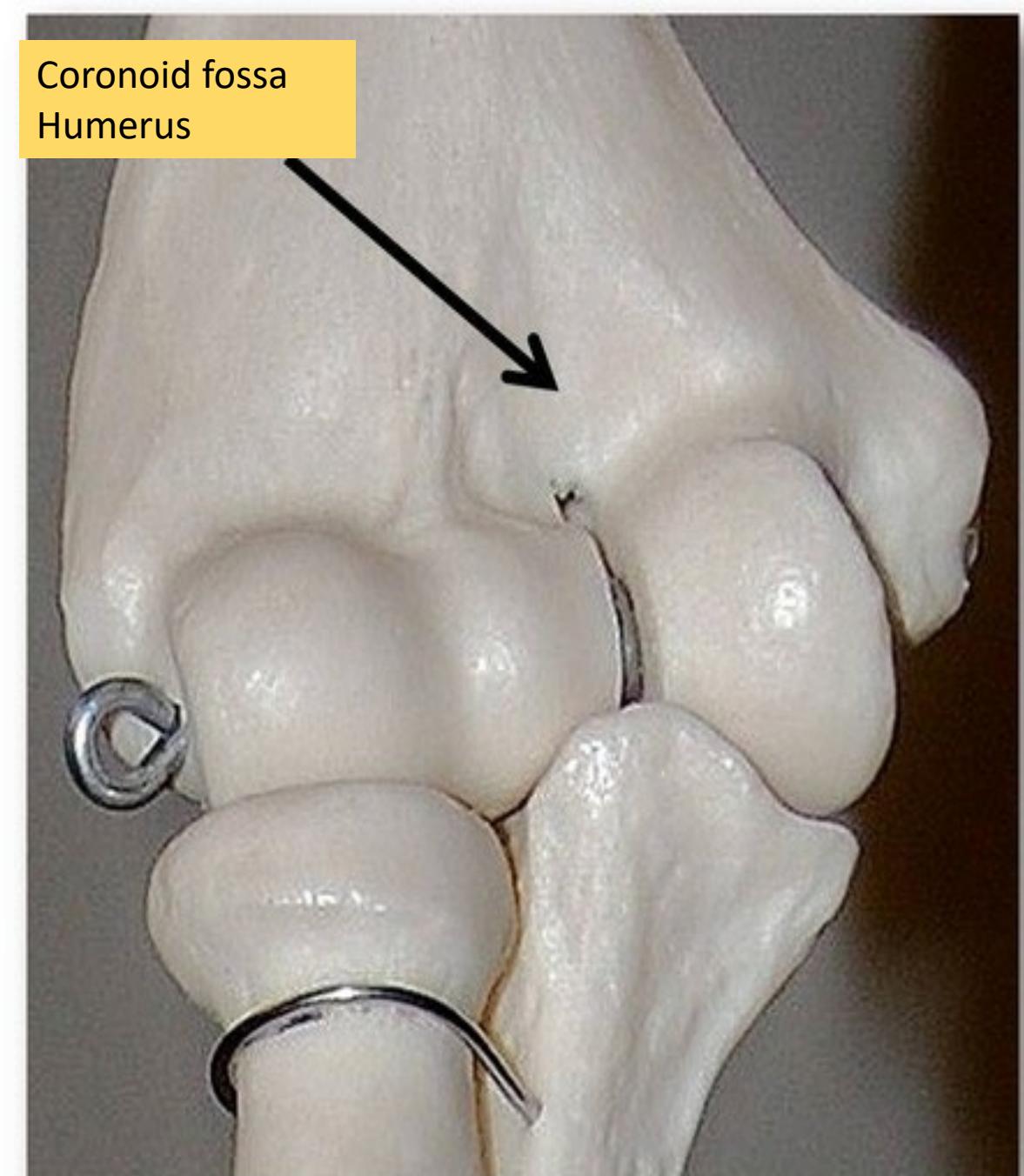


Coronoid process
Ulna



Anterior view

Coronoid fossa
Humerus



Posterior view



Conoid tubercle
Clavicle

Noid - coid - noid

Coracoid lies between the two Noids

Coronoid-jaw-mandible

Coracoid-shoulder-scapula

Coronoid-elbow-distal humerus-proximal ulna

GENERAL REVIEW

Bone Basic functions ?

- A. support
- B. protection
- C. movement – assistance in
- D. RBC formation-hemopoiesis
- E. mineral homeostasis +importance of calcium
- F. energy supply -yellow marrow
- G. detoxification

four cell types of bone?

1. osteogenic
2. osteoblasts
3. osteocytes
4. osteoclasts

- THE SKULL
- ? BONES
- ALL FUSED EXCEPT ONE.:?
- JOINTS = ?
- CRANIAL CAVITY ? BONES=CRANIAL BONES
- ? LEFT = FACIAL BONES
- ? MORE IN THE EARS

- THE SKULL
- = 22 BONES
- ALL FUSED EXCEPT ONE.:HYOID BONE
- JOINTS = SUTURES
- CRANIAL CAVITY 8 BONES=CRANIAL BONES
- 14 LEFT = FACIAL BONES
- 3 MORE IN THE EARS

Paired Cranial Bones?

Unpaired Cranial Bones?

Paired Cranial Bones:

- Parietals
- Temporals

Unpaired Cranial Bones:

- Frontal
- Occipital
- Sphenoid
- Ethmoid

Paired Facial Bones:?

-

Paired Facial Bones:

- Lacrimals
- Nasals
- Zygomatics
- Maxillae
- Palatines
- Inferior Nasal Conchae

Unpaired Facial Bones:

Unpaired Facial Bones:

- Vomer
- Mandible
- Hyoid

- *In the middle ears bones(6)?*

middle ears

- *In the (6):*
 - **malleus (2)**
 - **incus (2)**
 - **stapes (2**

- What **bone** articulates with:

Ulna?

Radius?

- What **bone** articulates with:

ulna (articulates with trochlea)

radius (articulates with capitulum)

- function of a lacunae?

- function of a lacunae?

It houses osteocytes

- hip bone is composed of:

- which fuse at the?

The hip bone is composed of three elements:

- the ilium
- ischium
- and pubis

which fuse at the acetabulum (the socket of the hip joint).

1. sagittal suture—?
- coronal suture—?
- lambdoidal suture—?
- squamous suture—?

1. sagittal suture—left and right parietal bones

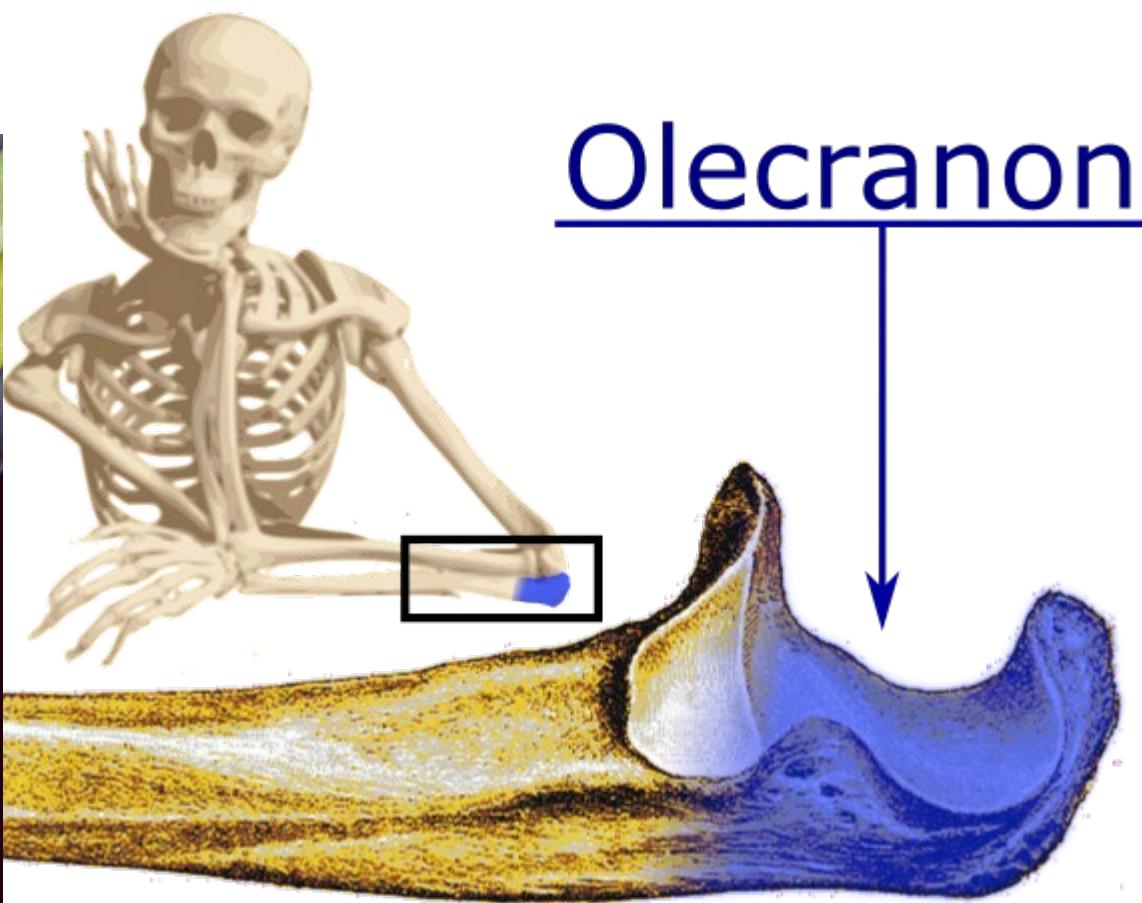
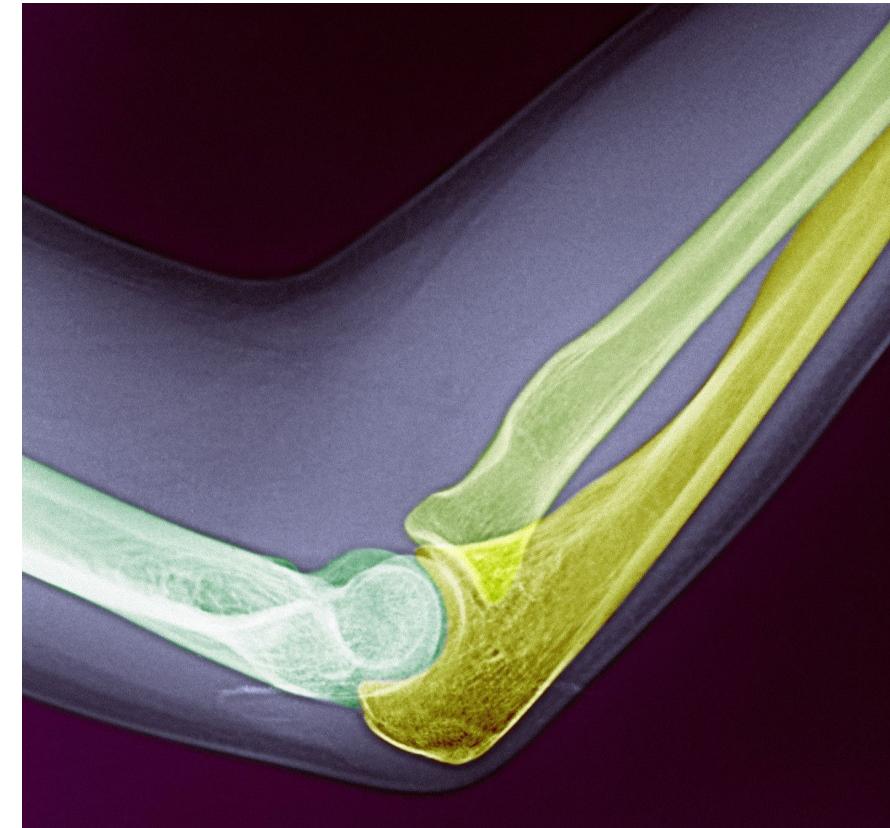
coronal suture—frontal bone and both parietal bones

lambdoidal suture—occipital bone and both parietal bones

squamous suture—temporal bone and parietal bone

Olecranon process ?

Prominent bump elbow



Bone Markings: Depressions and Openings

Meatus – ?

Sinus – ?

Fossa – ?

Groove – ?

Fissure – ?

Foramen – ?

Bone Markings: Depressions and Openings

Meatus – canal-like passageway

Sinus – cavity within a bone

Fossa – shallow, basin-like depression

Groove – furrow

Fissure – narrow, slit-like opening

Foramen – round or oval opening through a bone

- A. Symphysis**
- B. suture**
- C. syndesmosis**
- D. pivot**
- E. hinge.**

- 1 Intervertebral joints
- 3. Knee joint.
- 3. Joint between the atlas and axis
- 4. Joints between the cranial bones.
- 5. Joint between the distal ends of the tibia and fibula.
- 6. Joint between the right and left pubic bones (or pubes).

- A. Symphysis**
- B. suture**
- C. syndesmosis**
- D. pivot**
- E. hinge.**

23. Intervertebral joints

A

24. Knee joint.

E

25. Joint between the atlas and axis

D

26. Joints between the cranial bones.

B

28. Joint between the distal ends of the tibia and fibula.

C

29. Joint between the right and left pubic bones (or pubes).

A

Name the axial bones?

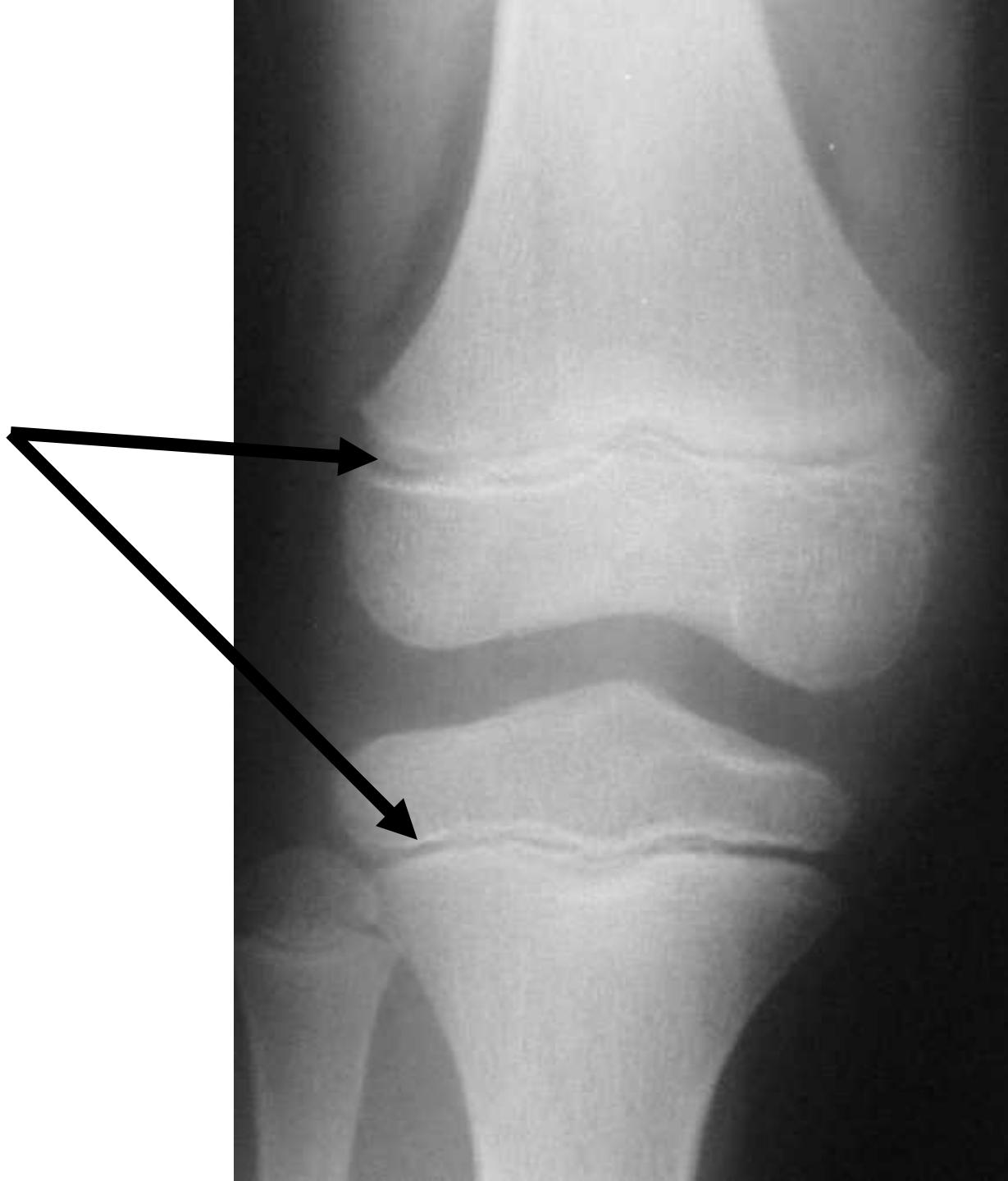
1/. Name the axial bones? write on the same line

- a. skull bones
- b. auditory ossicles
- c. hyoid bone
- d. vertebral column
- e. sternum
- f. ribs



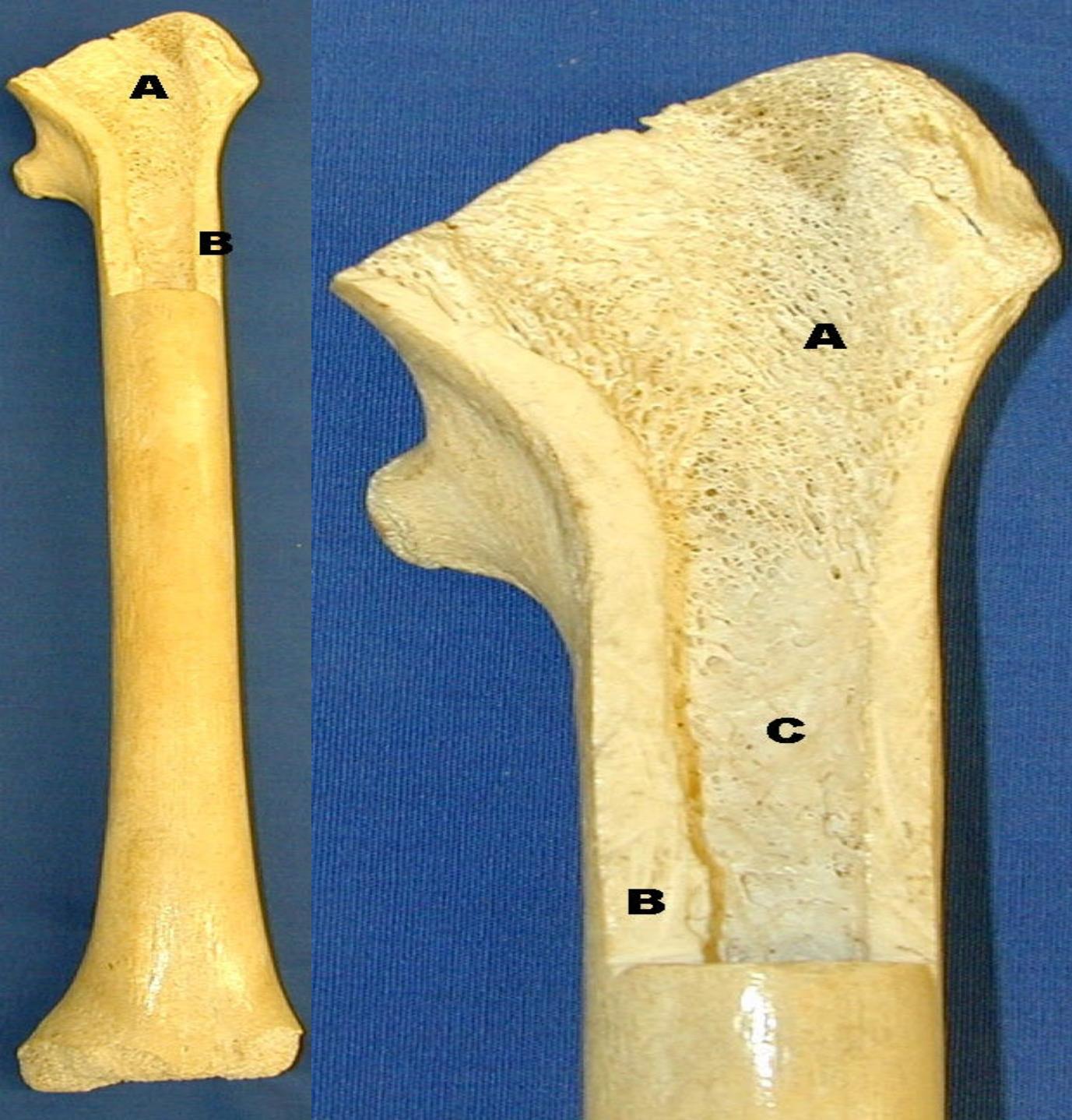
18/ What these 2 arrows point to?

Growth plate= EPIPHYSEAL PLATE









A:SPONGY BONE CONTAIN
RED BONE MARROW

B:COMPACT BONE

C:MEDULLARY CAVITY
CONTAINING YELLOW
MARROW

How many bones the human hands?

How many bones the human hands?

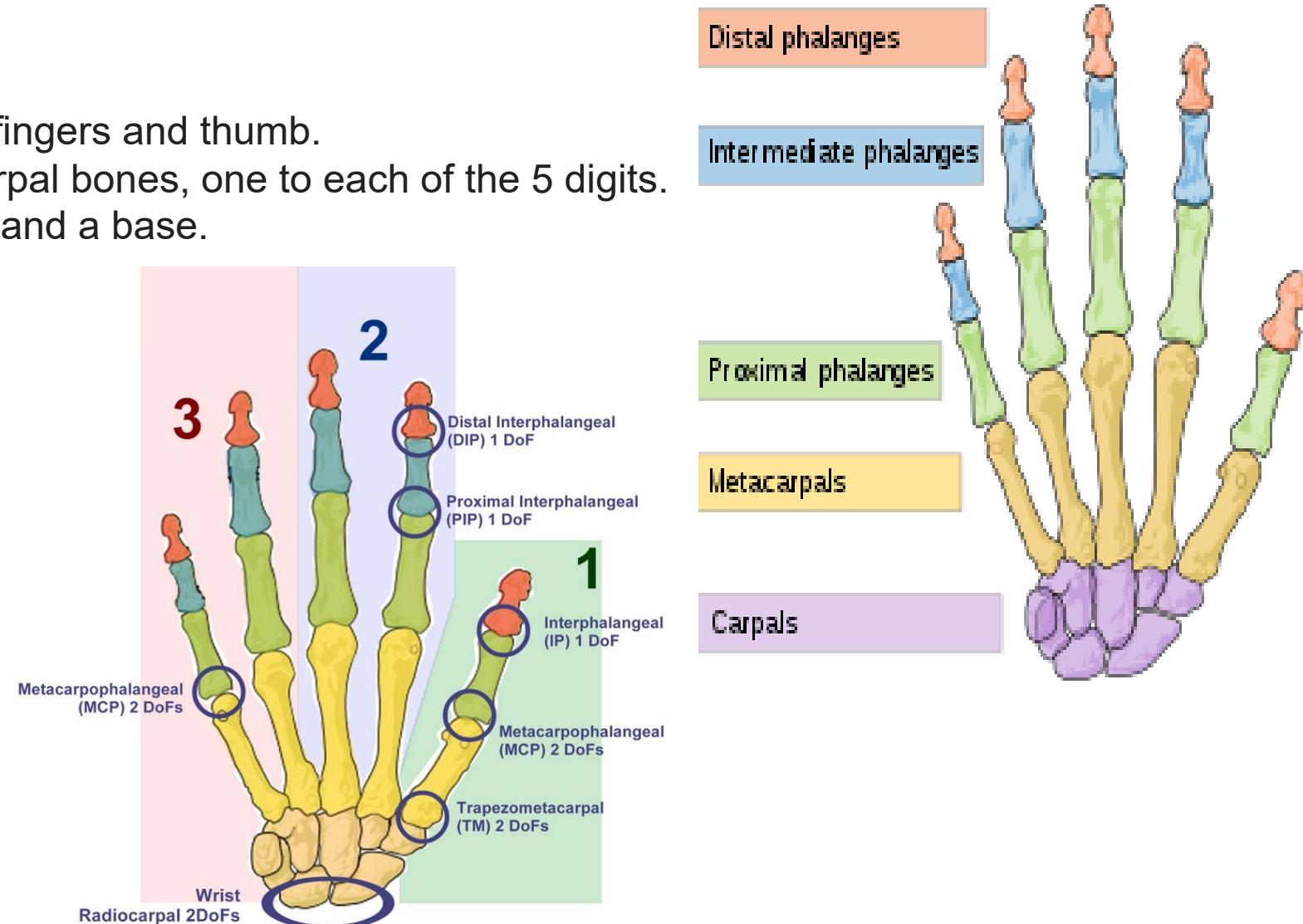
27 bones:

the carpal or wrist accounts for 8;

the metacarpals or palm contains 5;

the remaining fourteen are digital bones; fingers and thumb.

The palm has 5 bones known as metacarpal bones, one to each of the 5 digits.
These metacarpals have a head, a shaft, and a base.

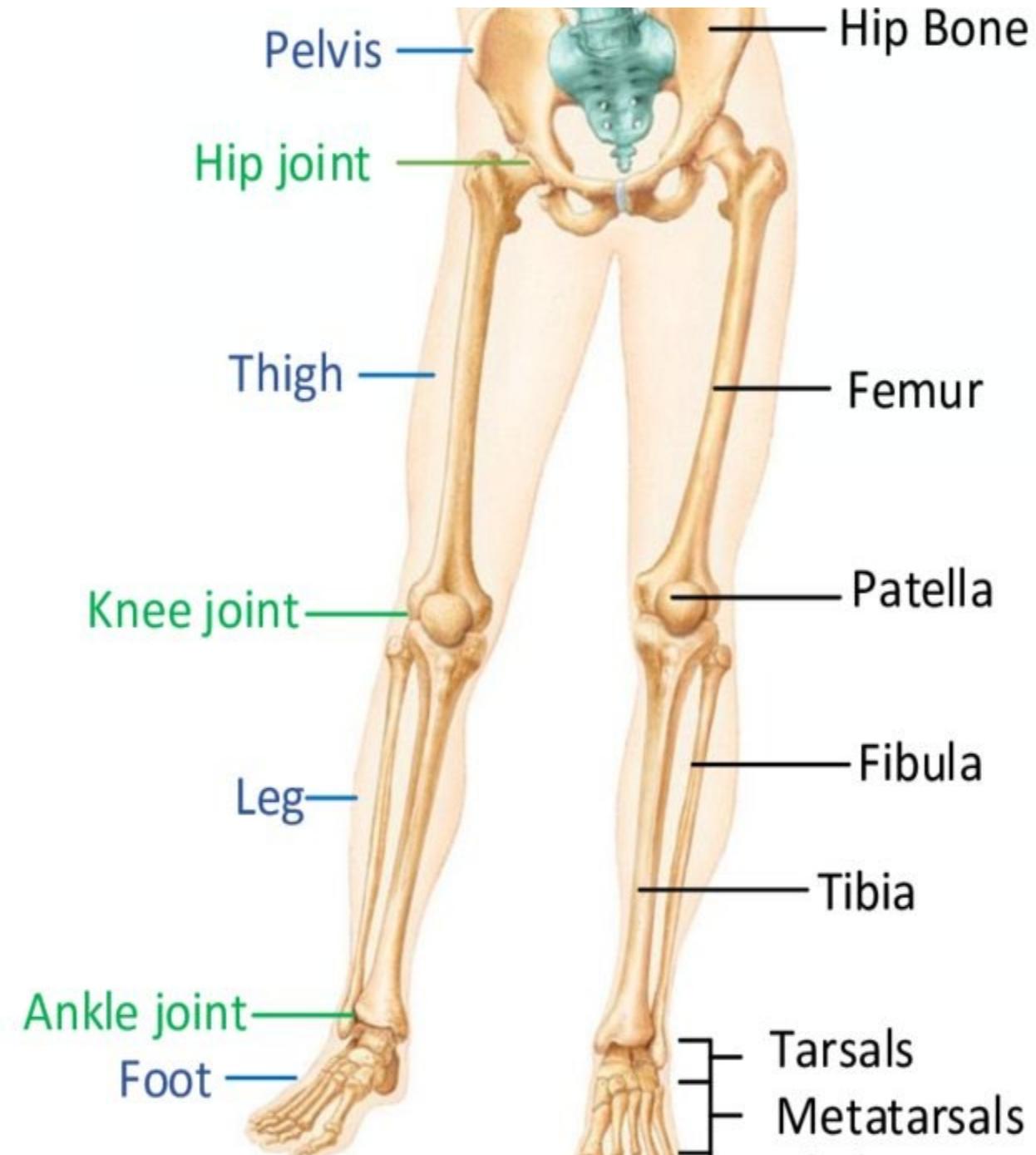


Bones NUMBER of the leg?

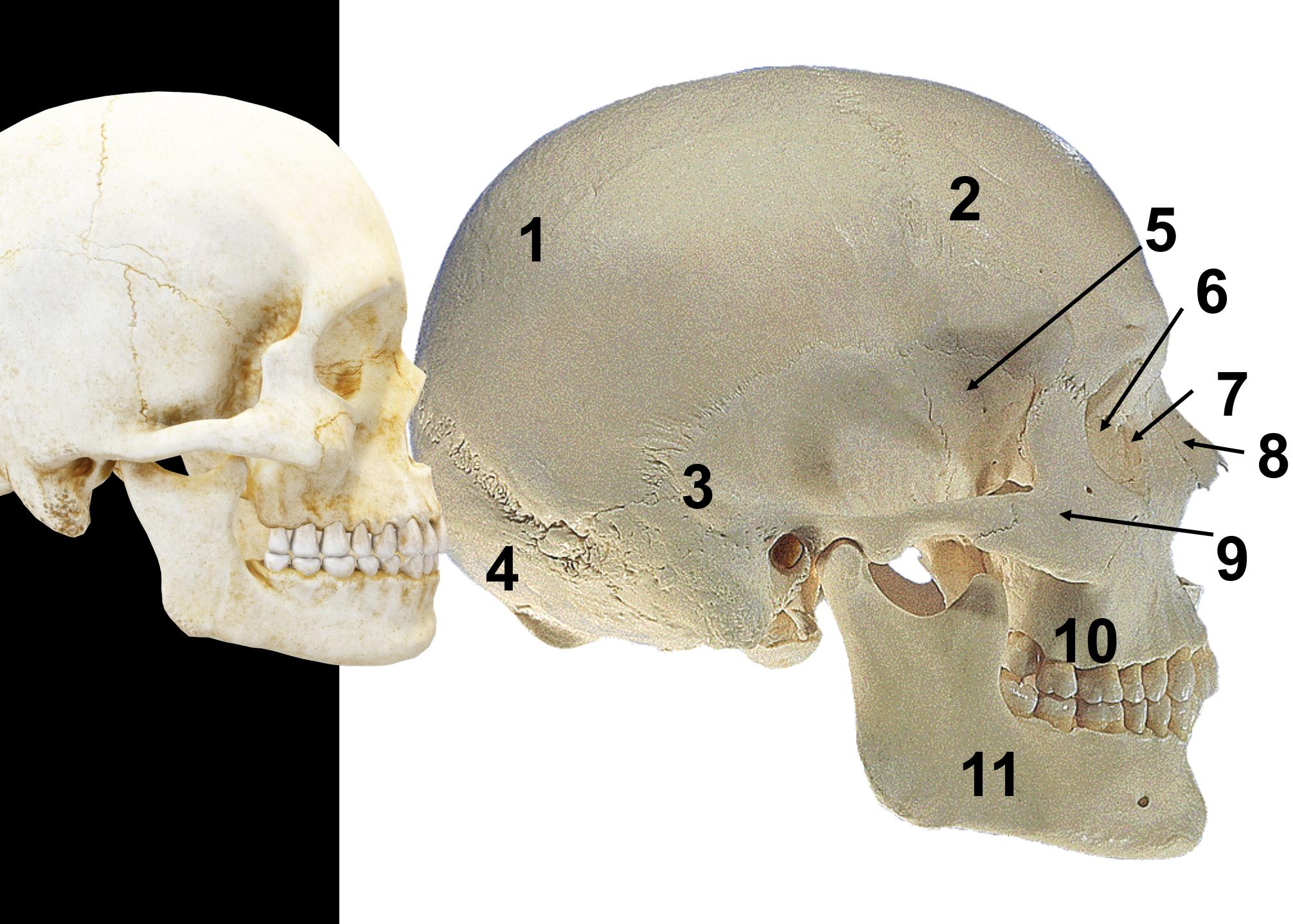
There are **62 lower extremity bones.**

They consist of 10 hip and leg, 14 ankle and 38 foot bones.

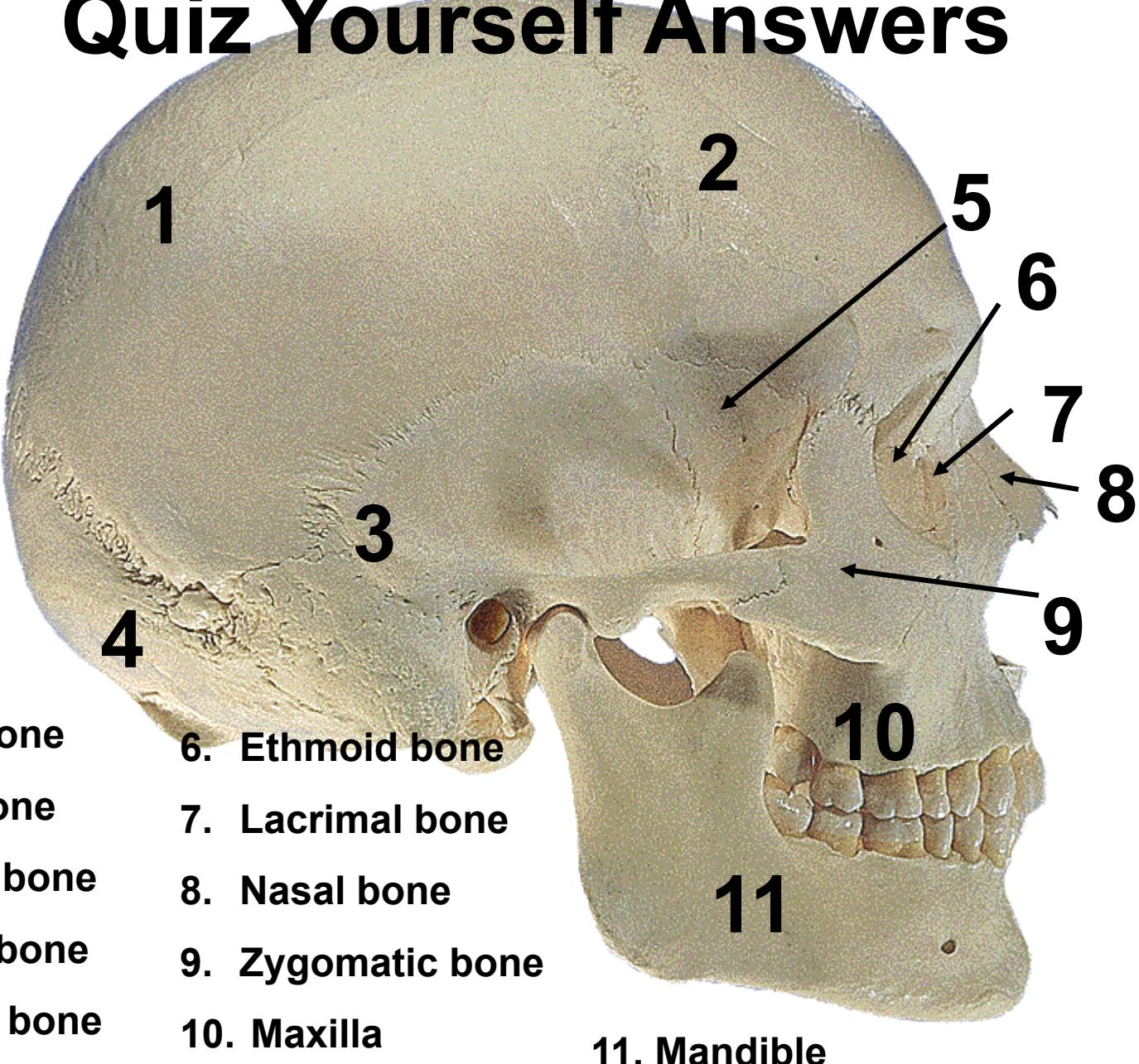
The 10 hip and leg bones are the innominate or hip bone (fusion of the ilium, ischium, and pubis), femur, tibia, fibula, and patella (kneecap) on each side.

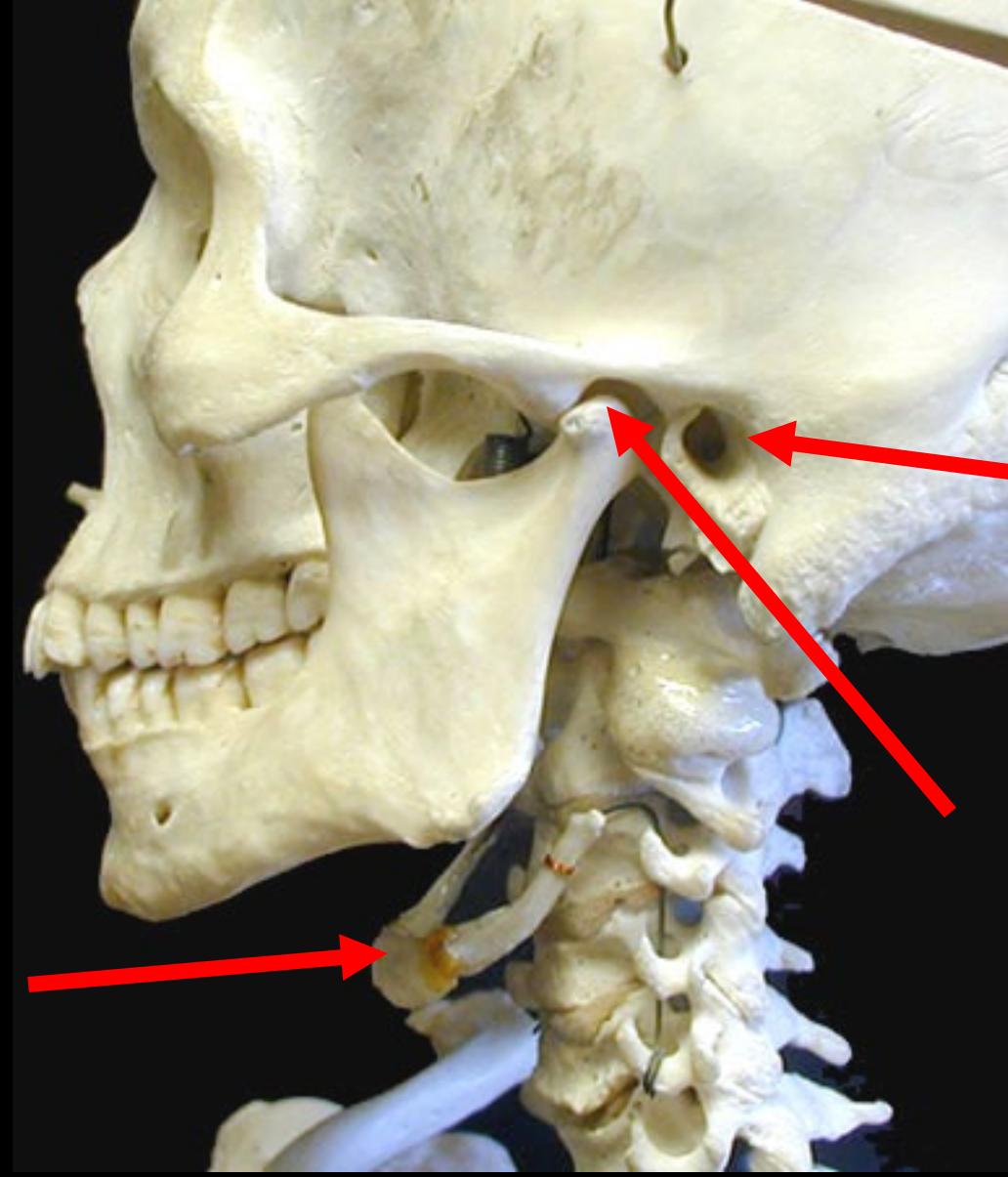


The skull



Quiz Yourself Answers



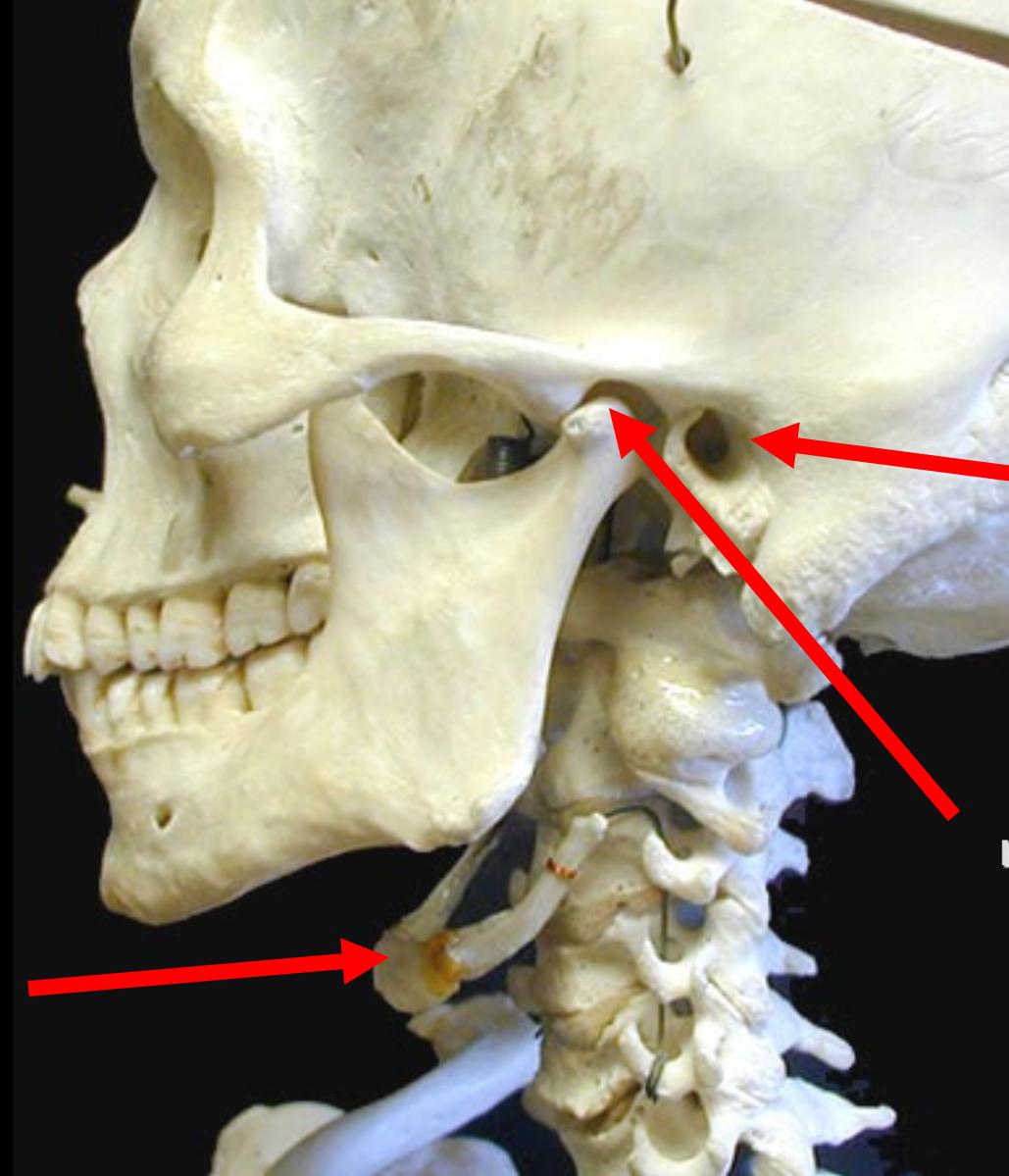


1

2

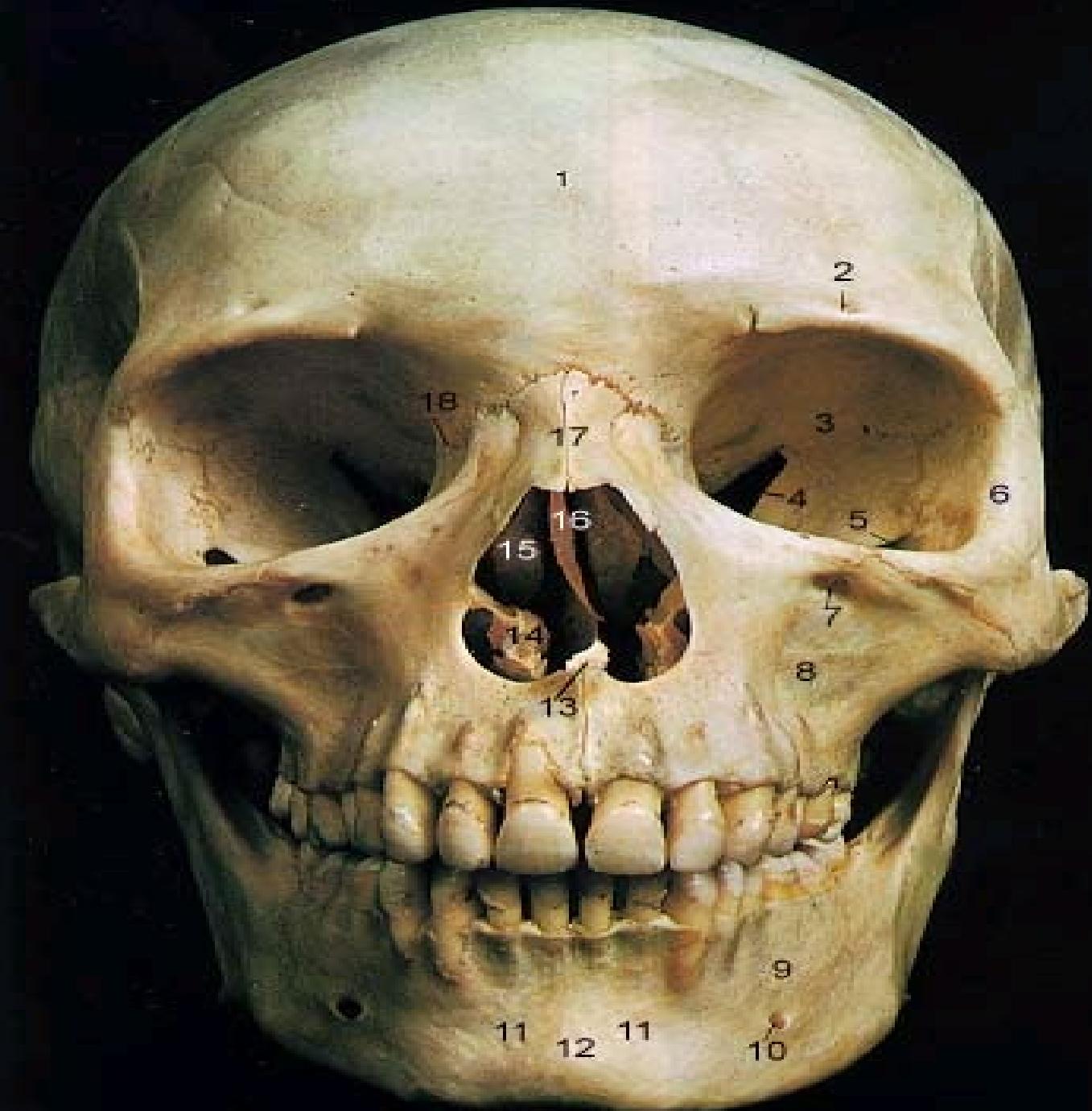
3

Hyoid bone



**external
acoustic
meatus**

**temporal
mandibular
joint**

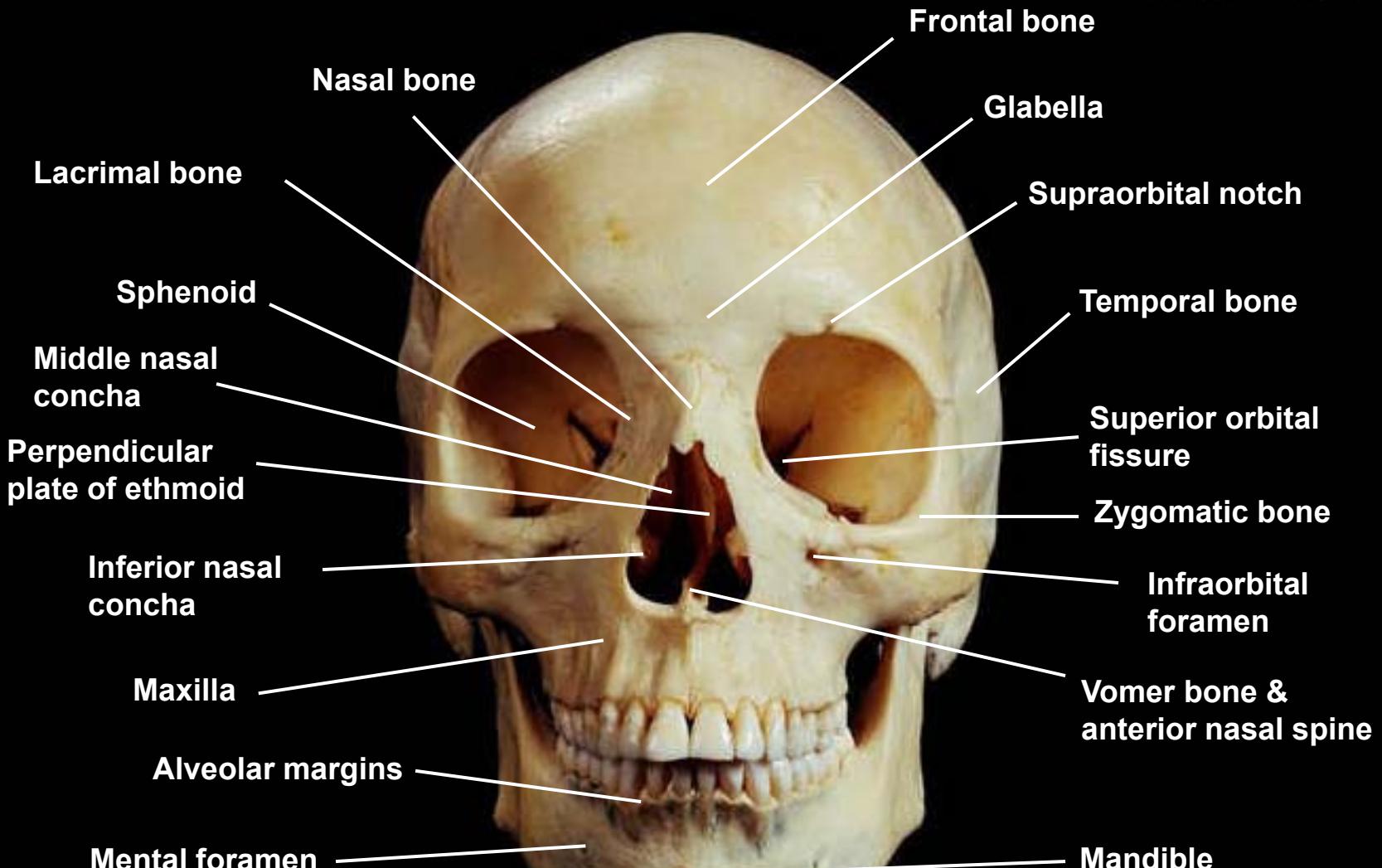




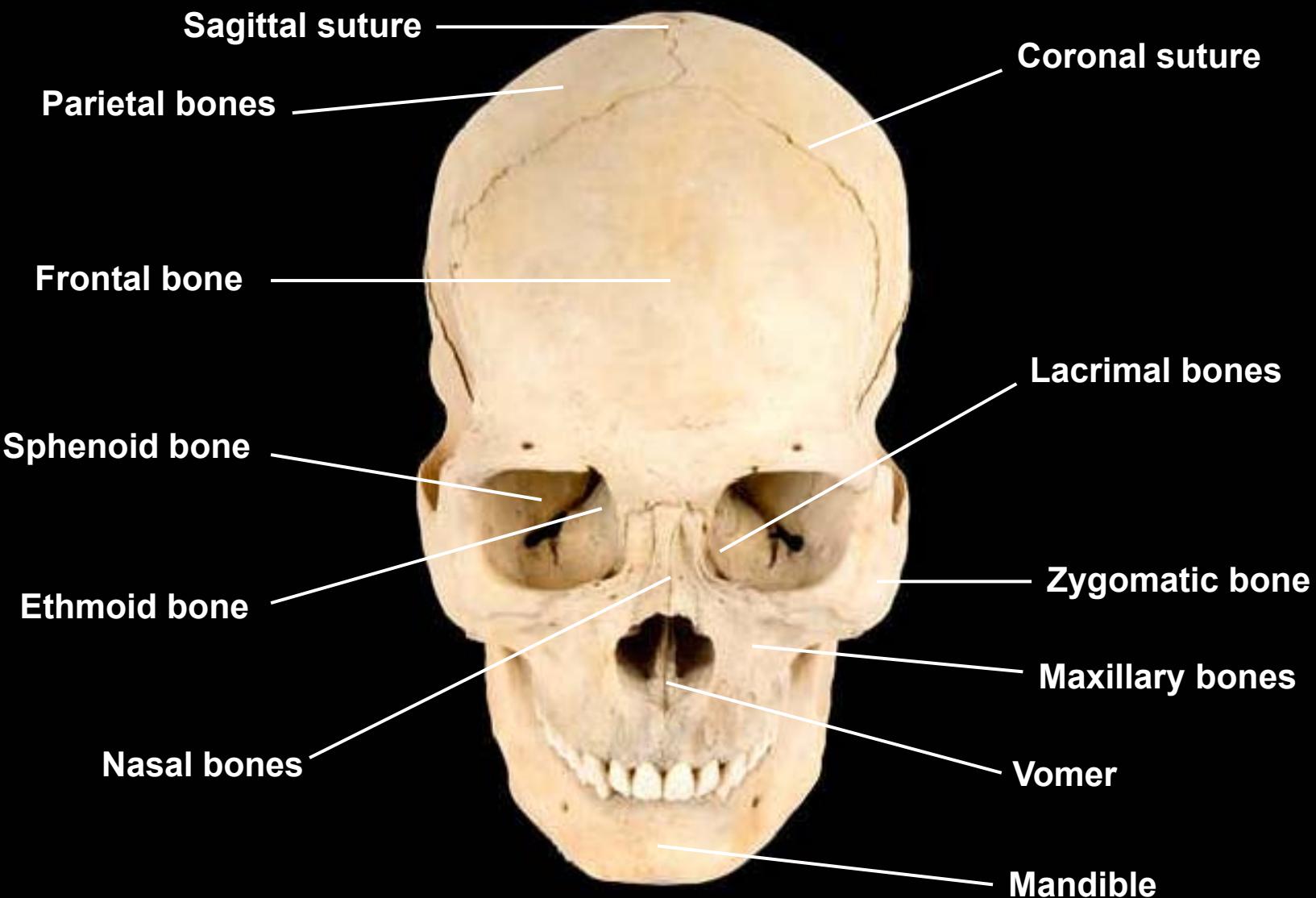
1Front al Bone

2. Supra-Orbital Foramen
3. Orbit (Orbital Cavity)
4. Superior Orbital Fissure
5. Inferior Orbital Fissure
6. Zygomatic Bone
7. Infra-Orbital Foramen
8. Maxilla
9. Mandible
10. Mental Foramen
11. Incisive Fossa
12. Symphysis
13. Vomer
14. Inferior Nasal Concha
15. Middle Nasal Concha
16. Perpendicular Plate of Ethmoid
17. Nasal Bone
18. Lacrimal Bone

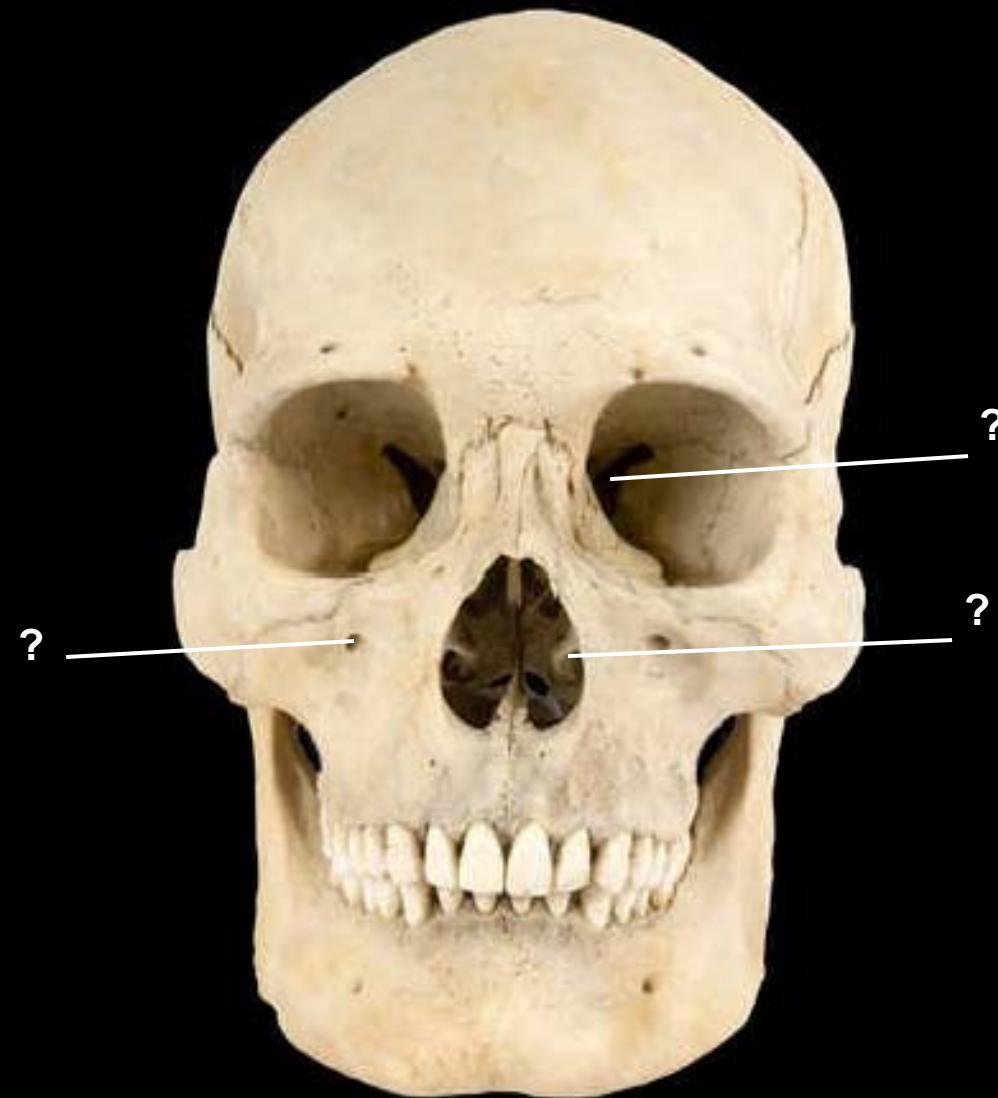
Skull, anterior view



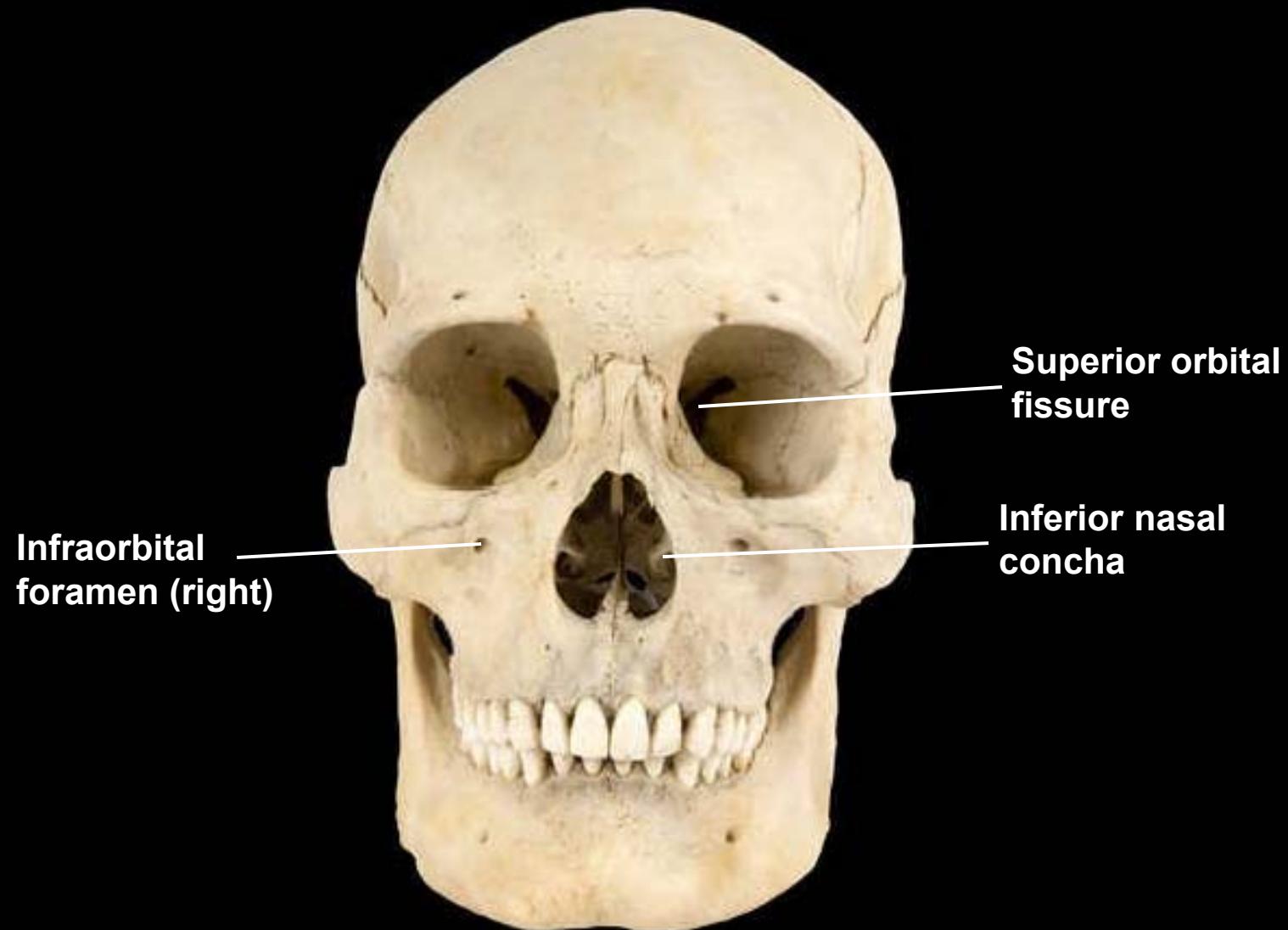
Skull, superioanterior view



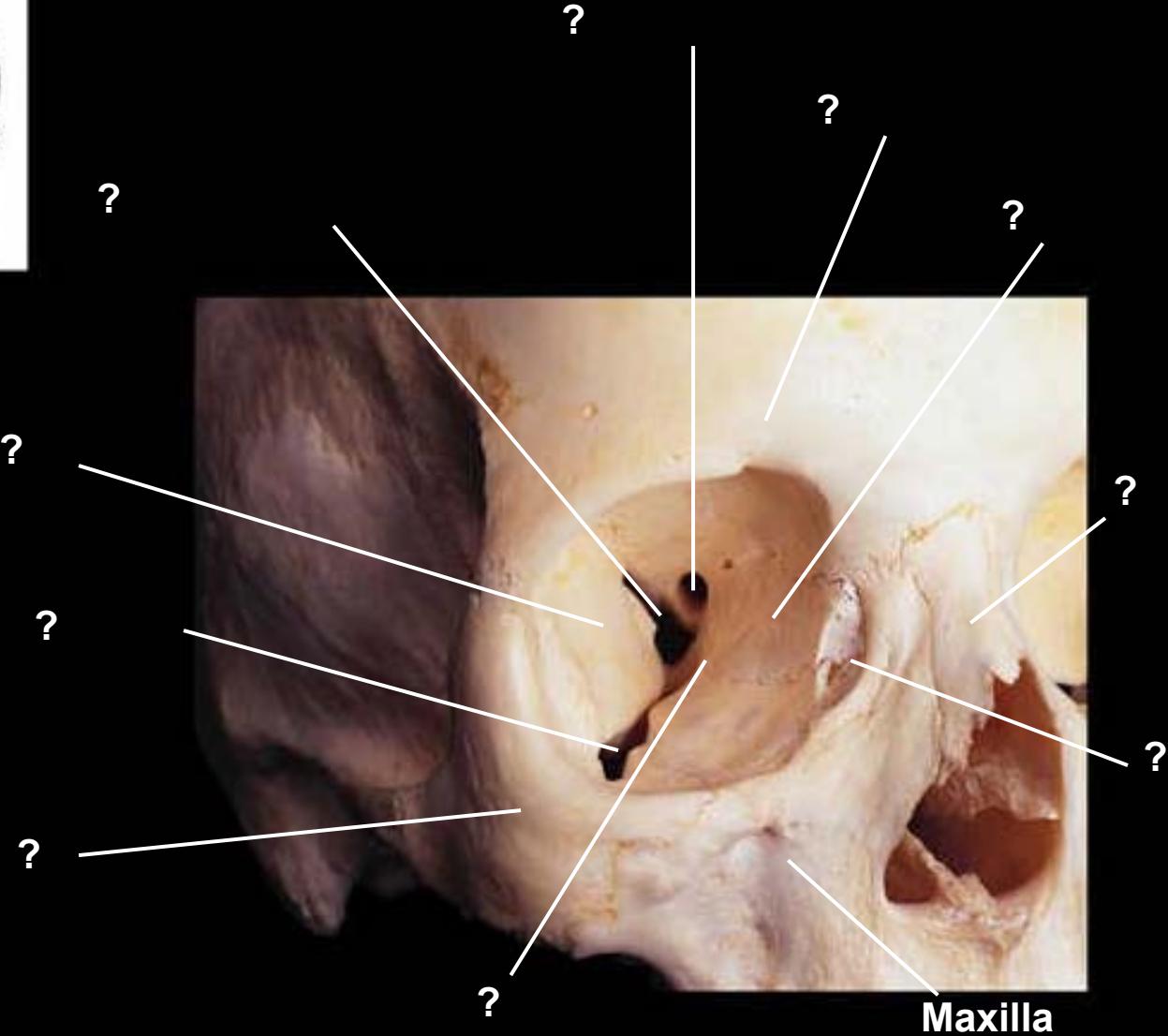
Skull, anterior view



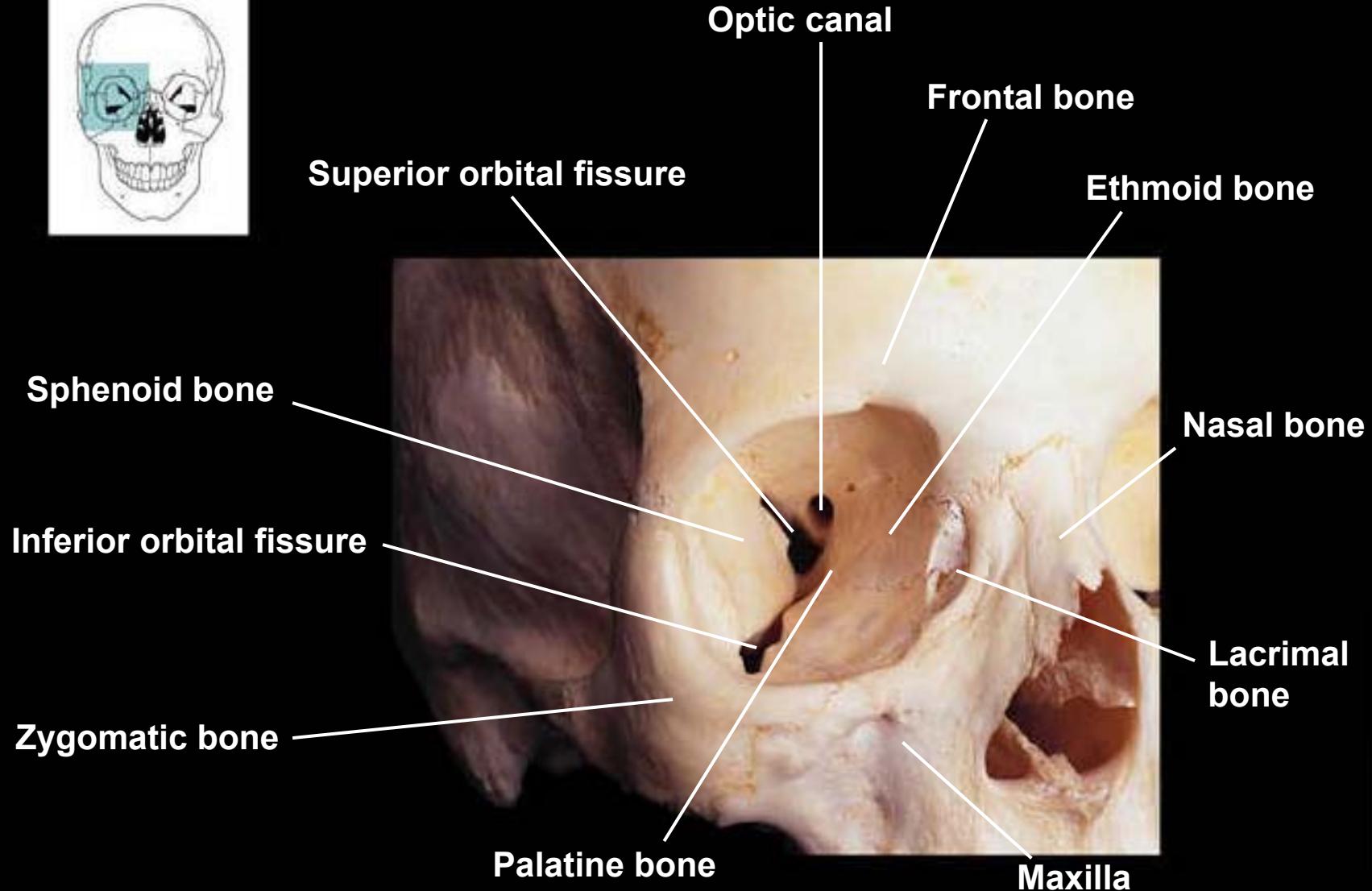
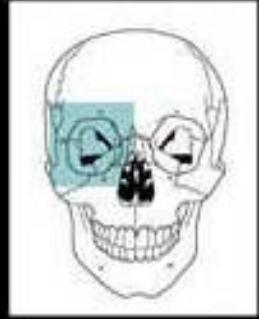
Skull, anterior view



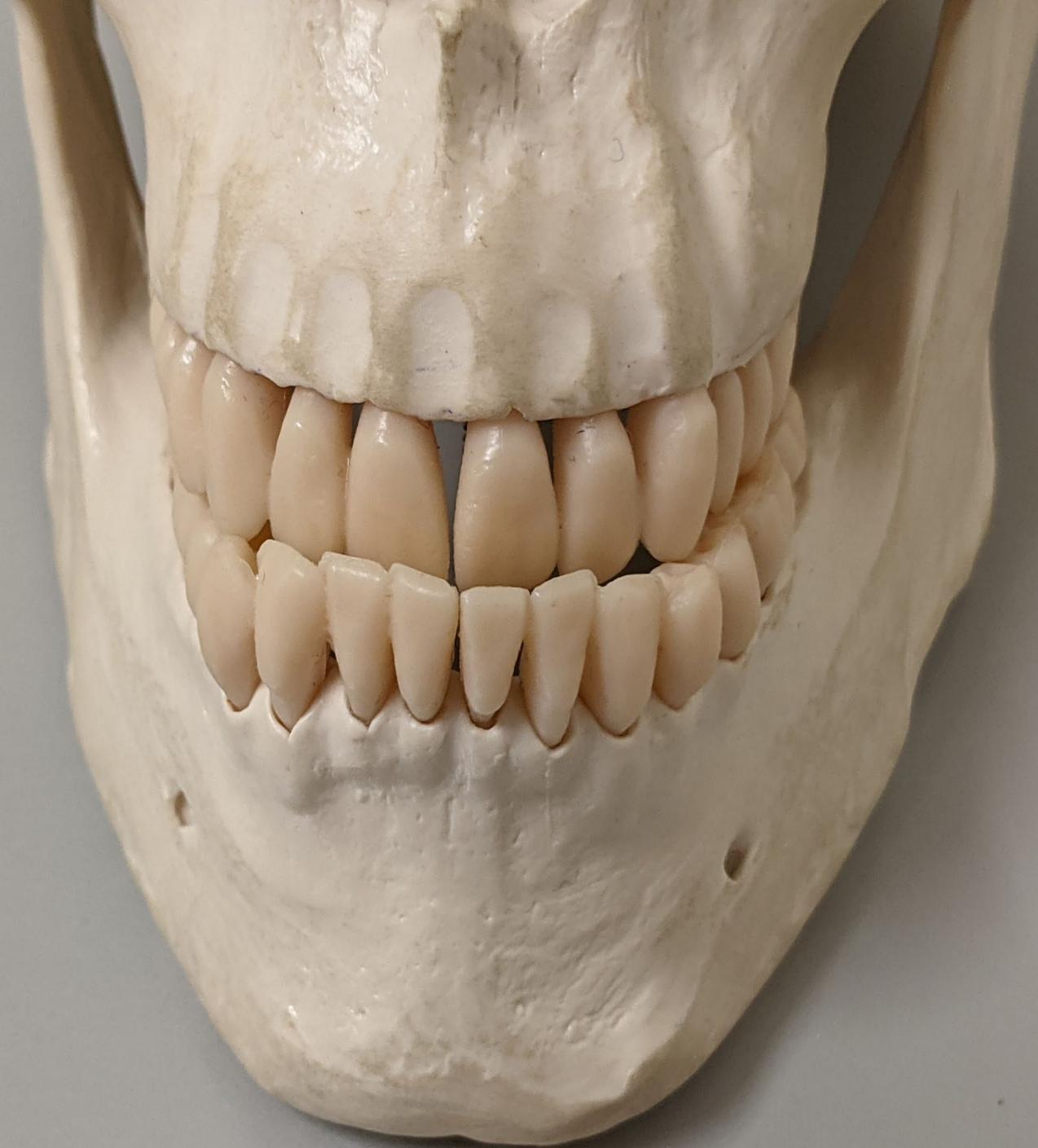
Bones of the orbit



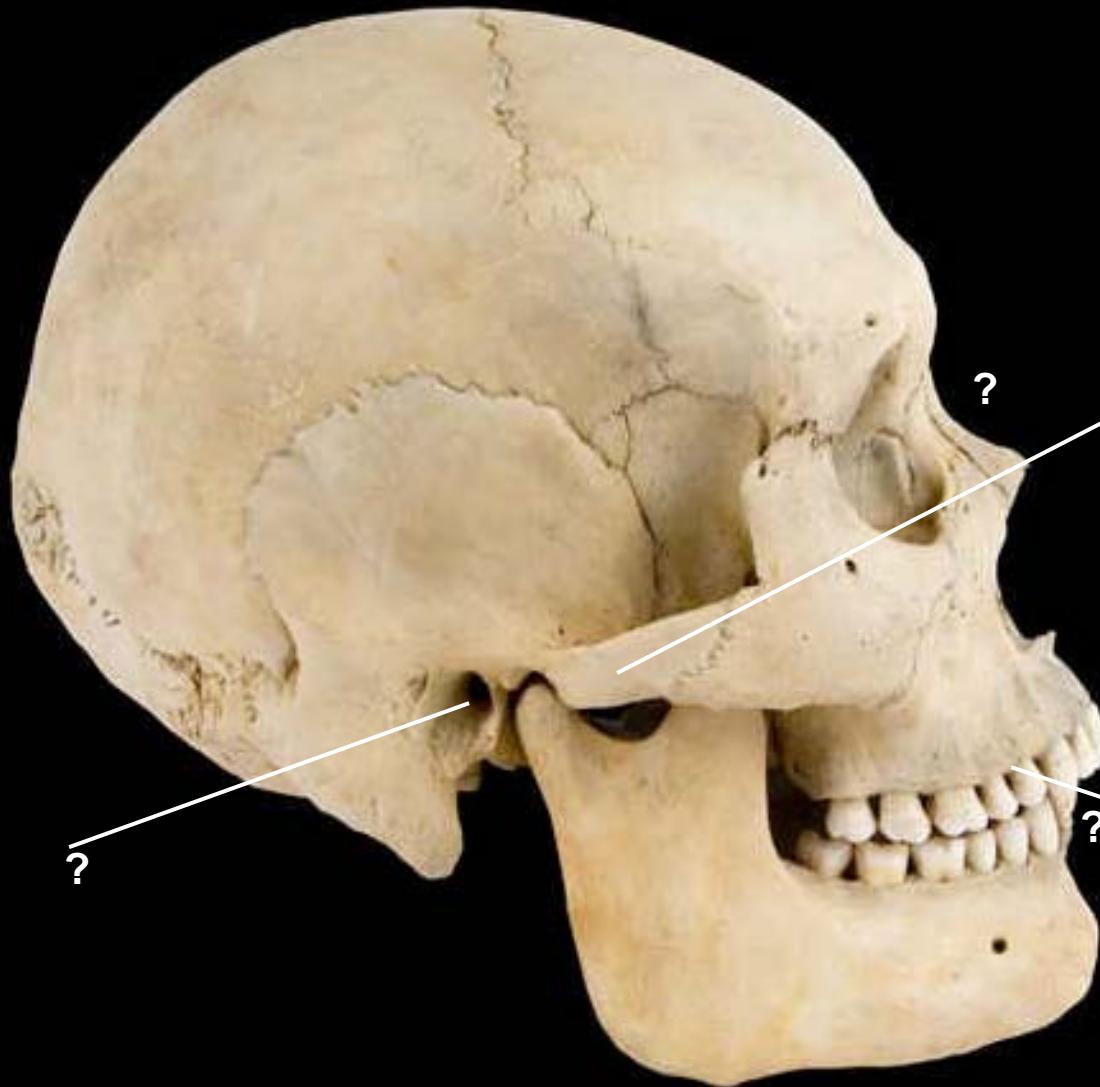
Bones of the orbit



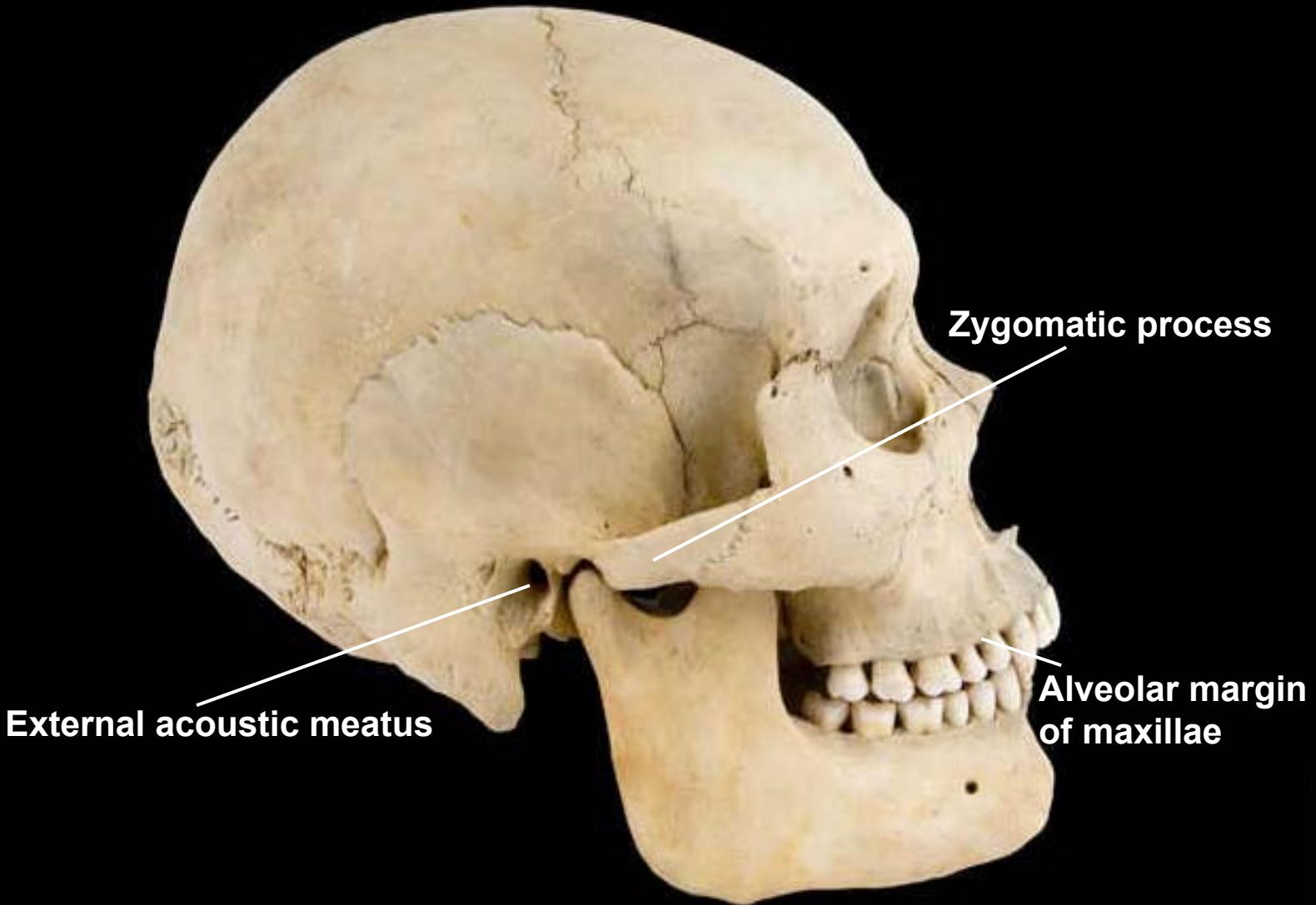




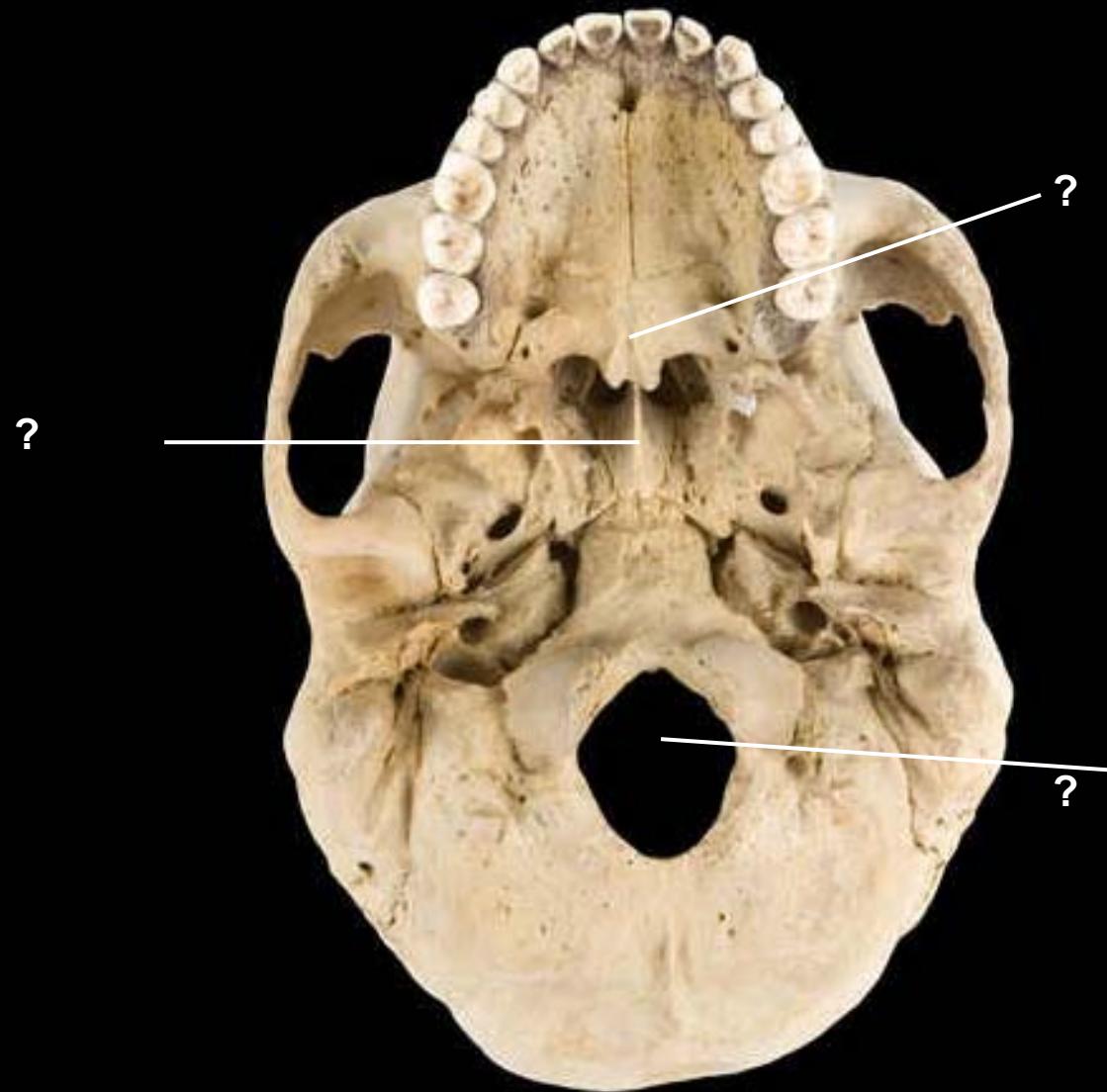
Skull, lateral view, right side



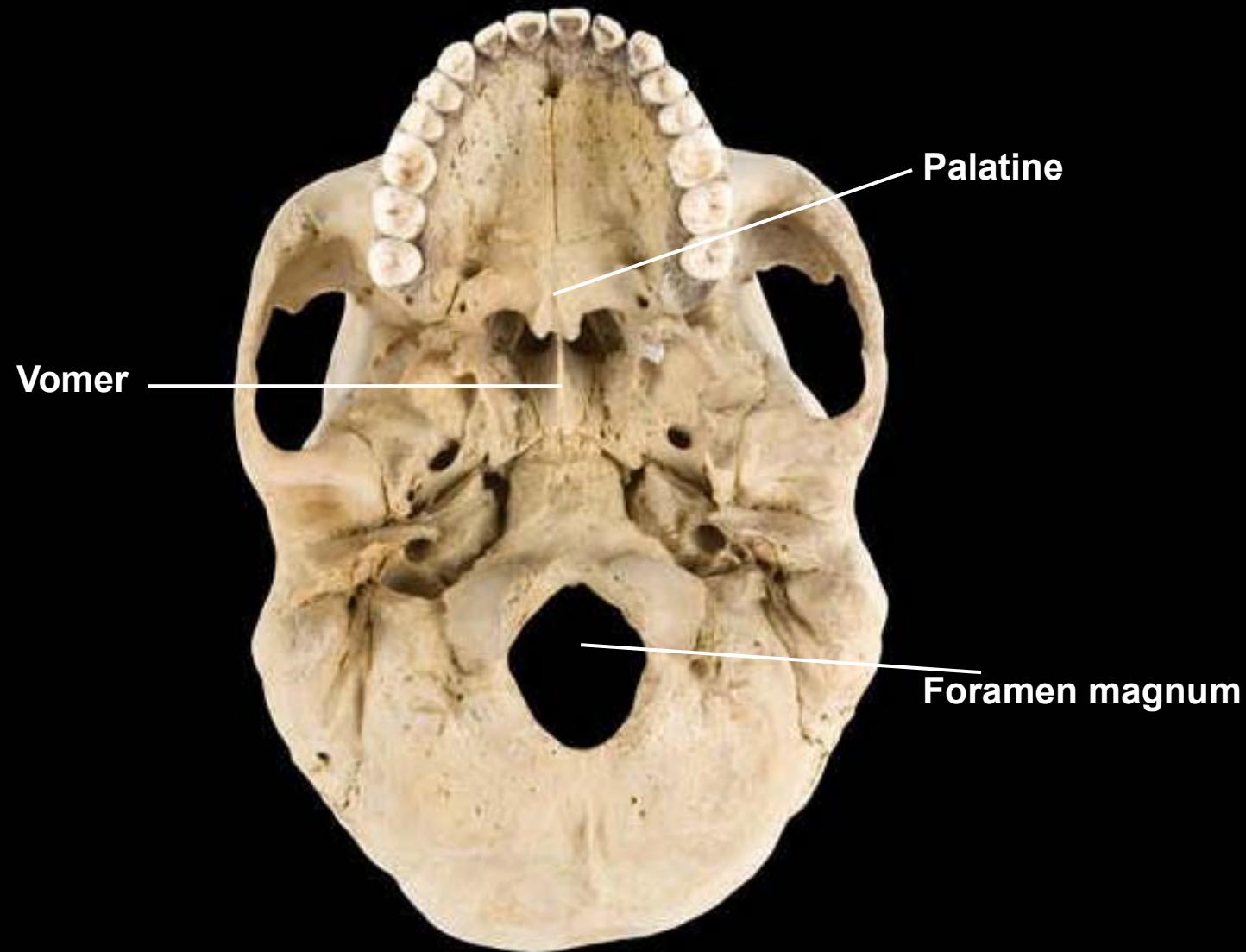
Skull, lateral view, right side



Skull, inferior view



Skull, inferior view





1. Parietal Bone		
2. Coronal Suture	18	Zygomatic Process
3. Frontal Bone	19	Temporal Bone
4. Nasal Bone	20	Greater Wing of Sphenoid
5. Vomer	21	Inferior Temporal Line
6. Lacrimal Bone	22	Superior Temporal Line
7. Orbital Part of Ethmoid	23	Squamosal Suture
8. Zygomatic Bone	24	Lambdoidal Suture
9. Maxilla	25	Occipital Bone
10. Body of Mandible		
11. Ramus of Mandible		
12. Coronoid Process		
13. Mandibular Condyle		
14. Mental Foramen		
15. Styloid Process		
16. External Acoustic Meatus		
17. Mastoid Process		

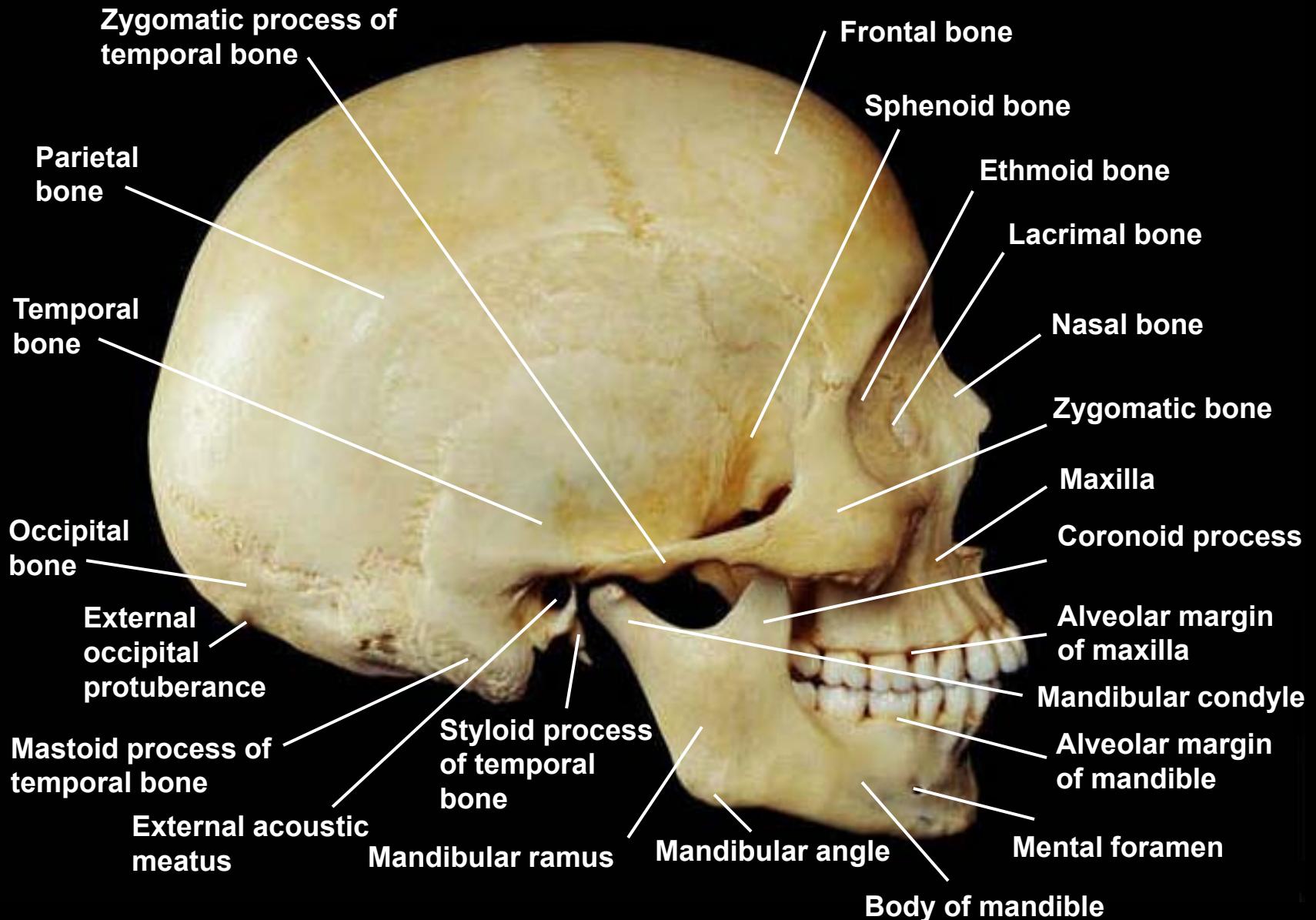


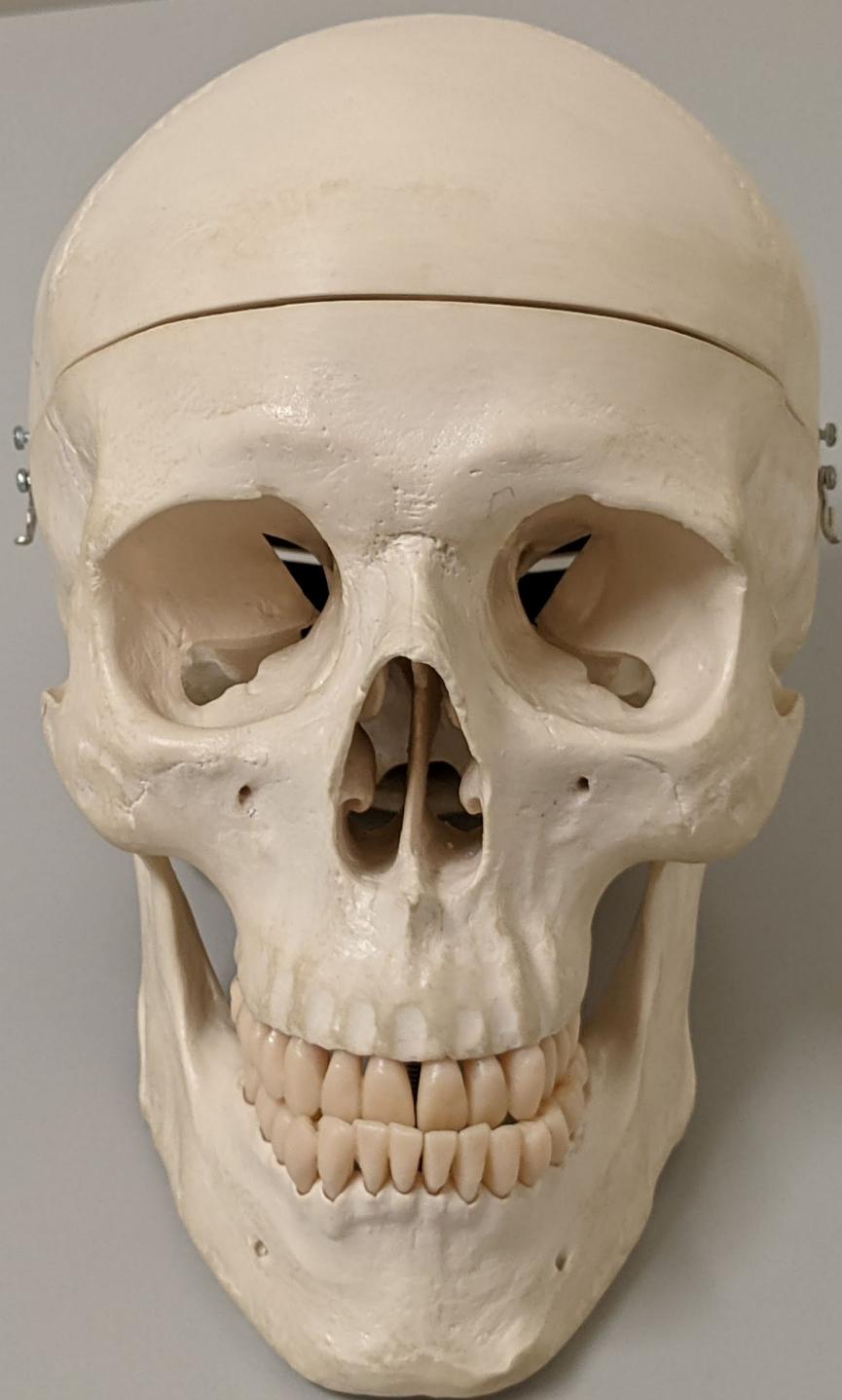






Skull, lateral view, right side









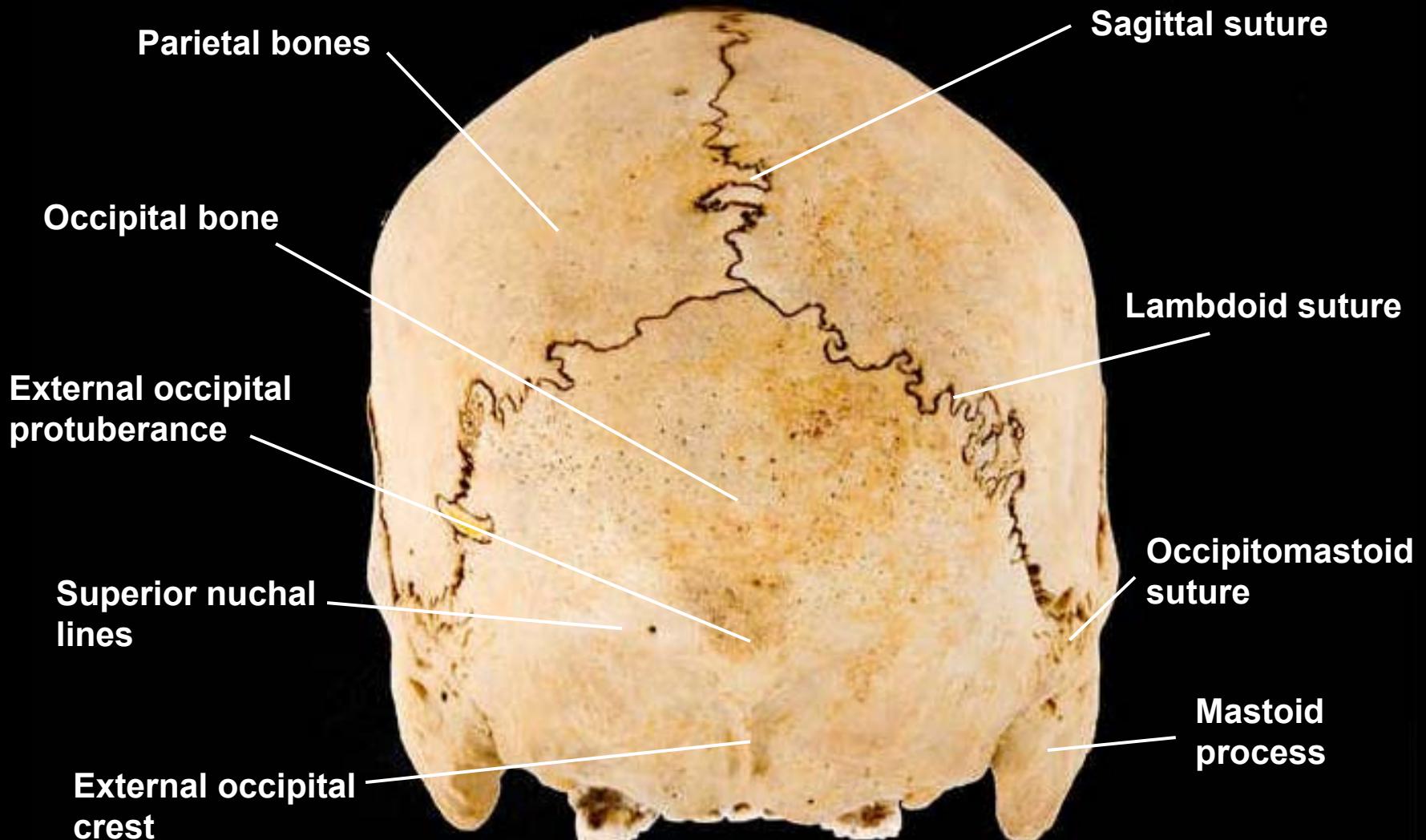




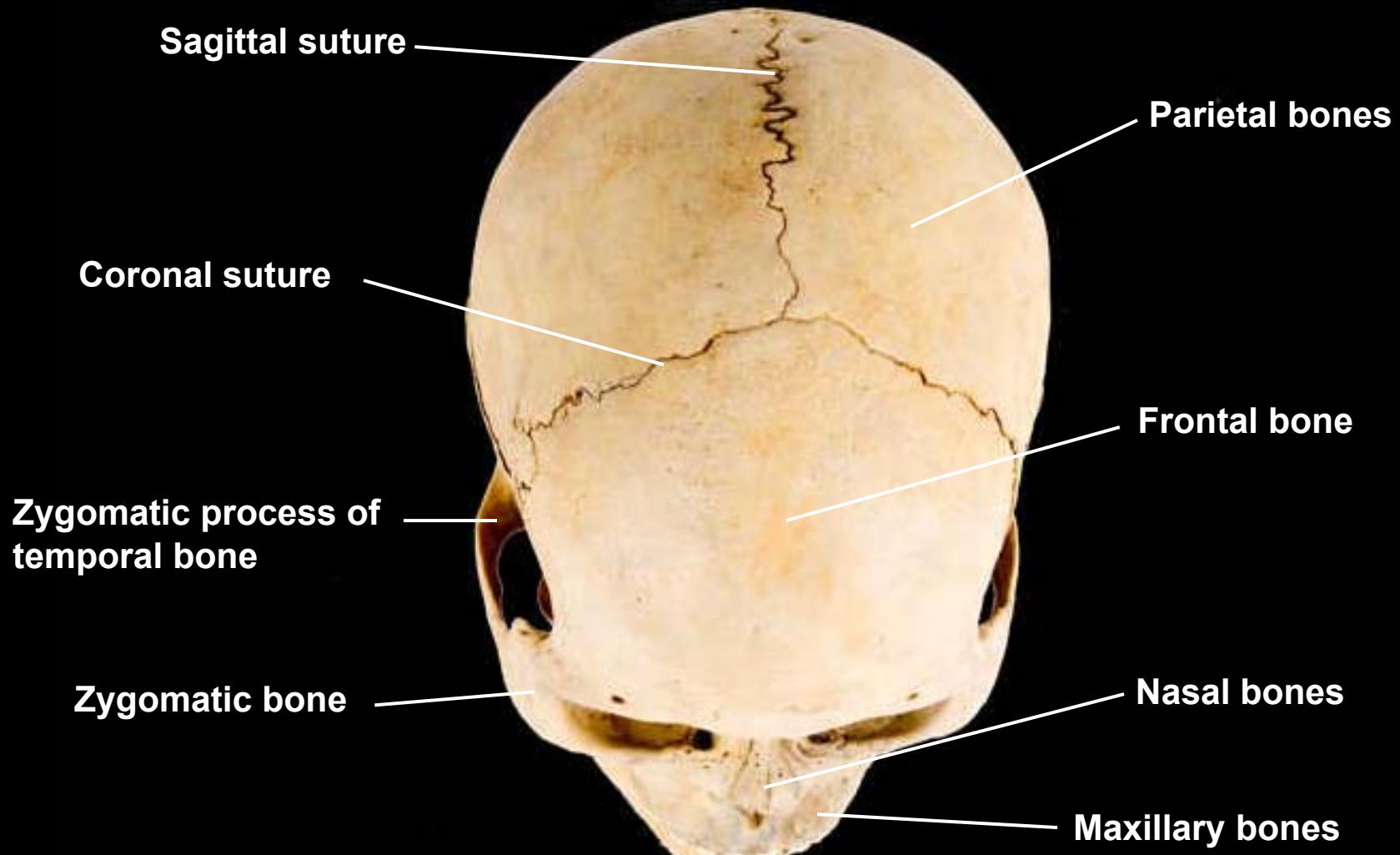


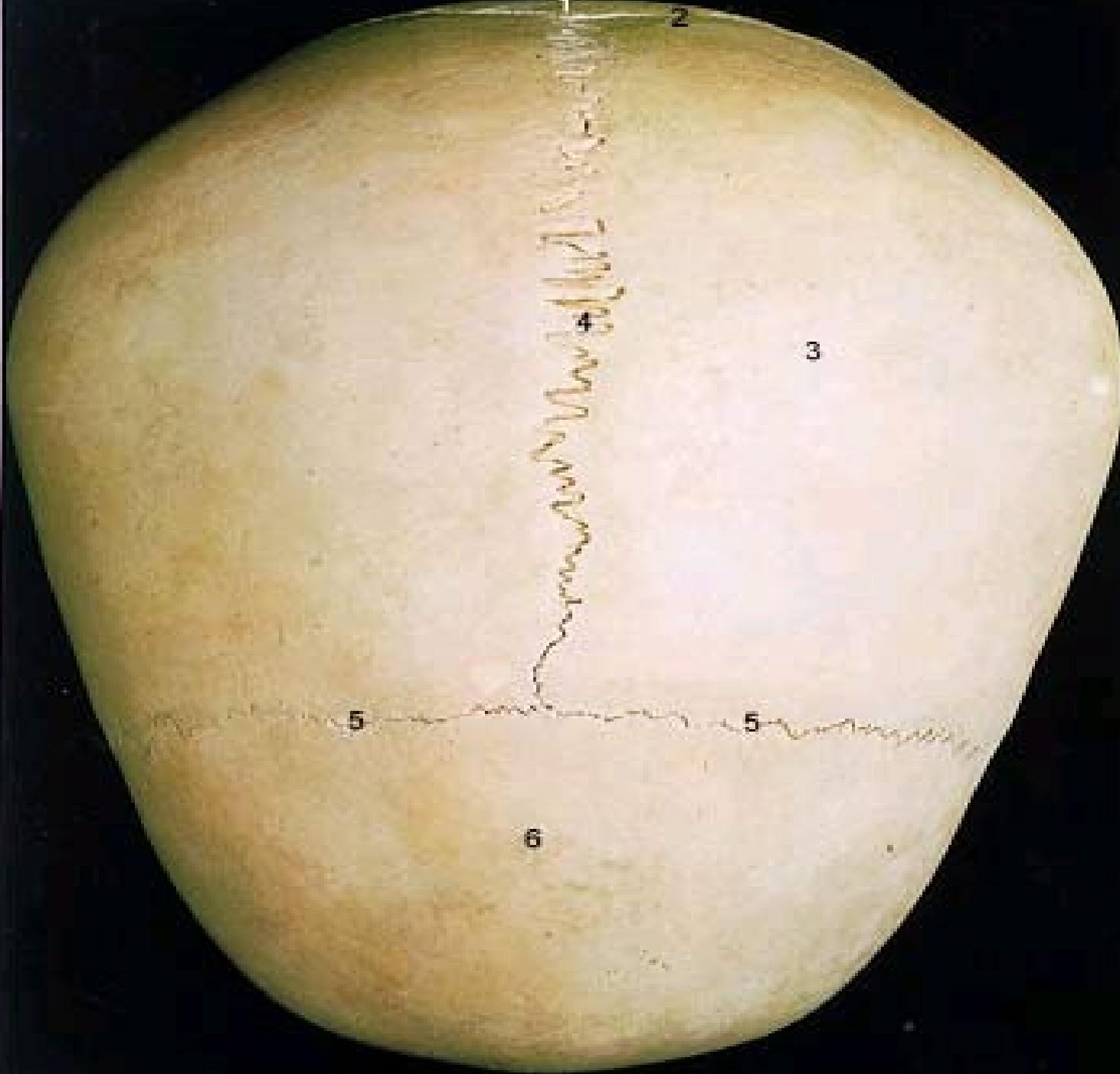
1. Parietal Bone
2. Sagittal Suture
3. Lambdoid Suture
4. Occipital Bone
5. External Occipital Protuberance
6. Superior Nuchal Line
7. Inferior Nuchal Line

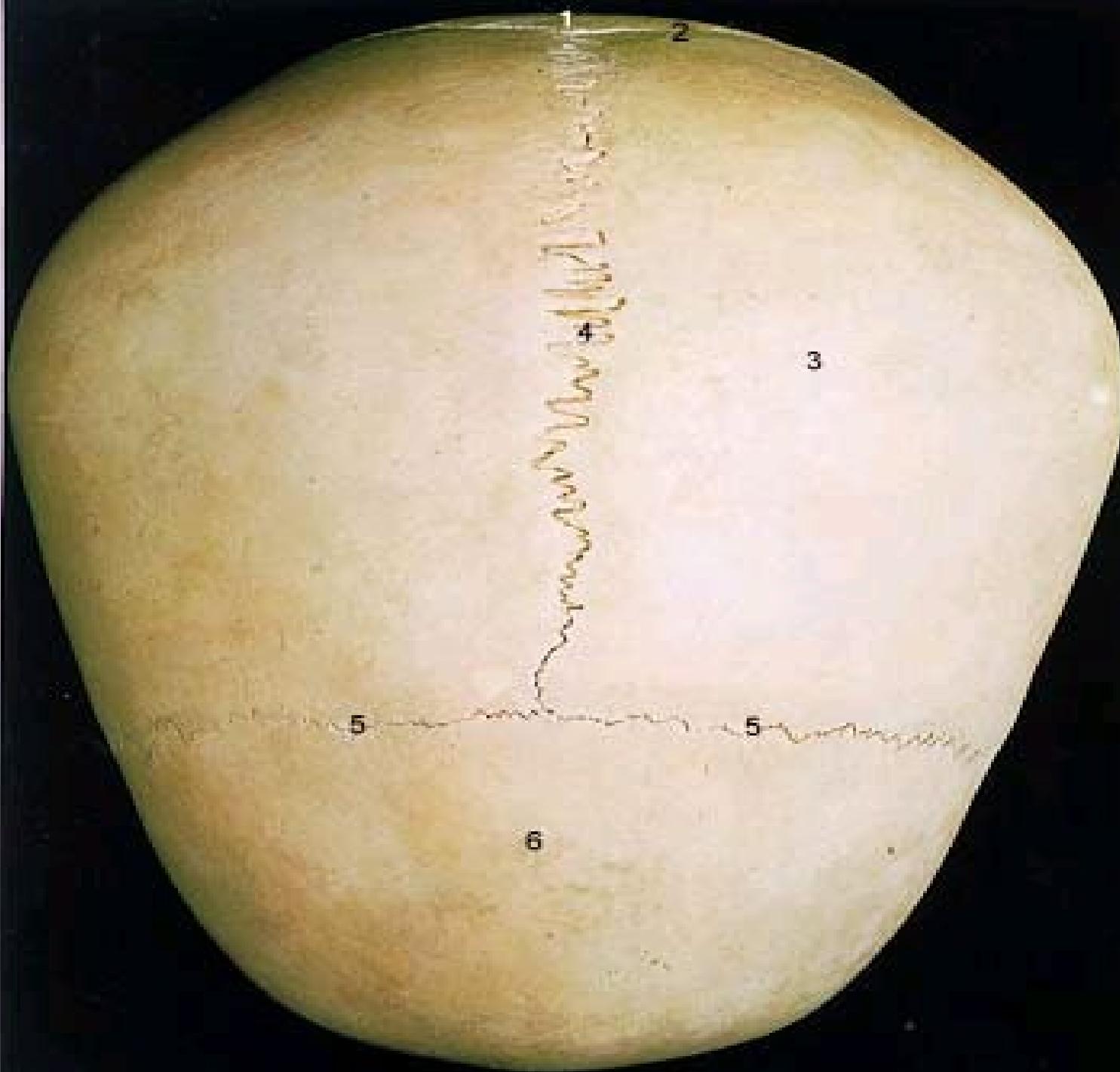
Skull, posterior view



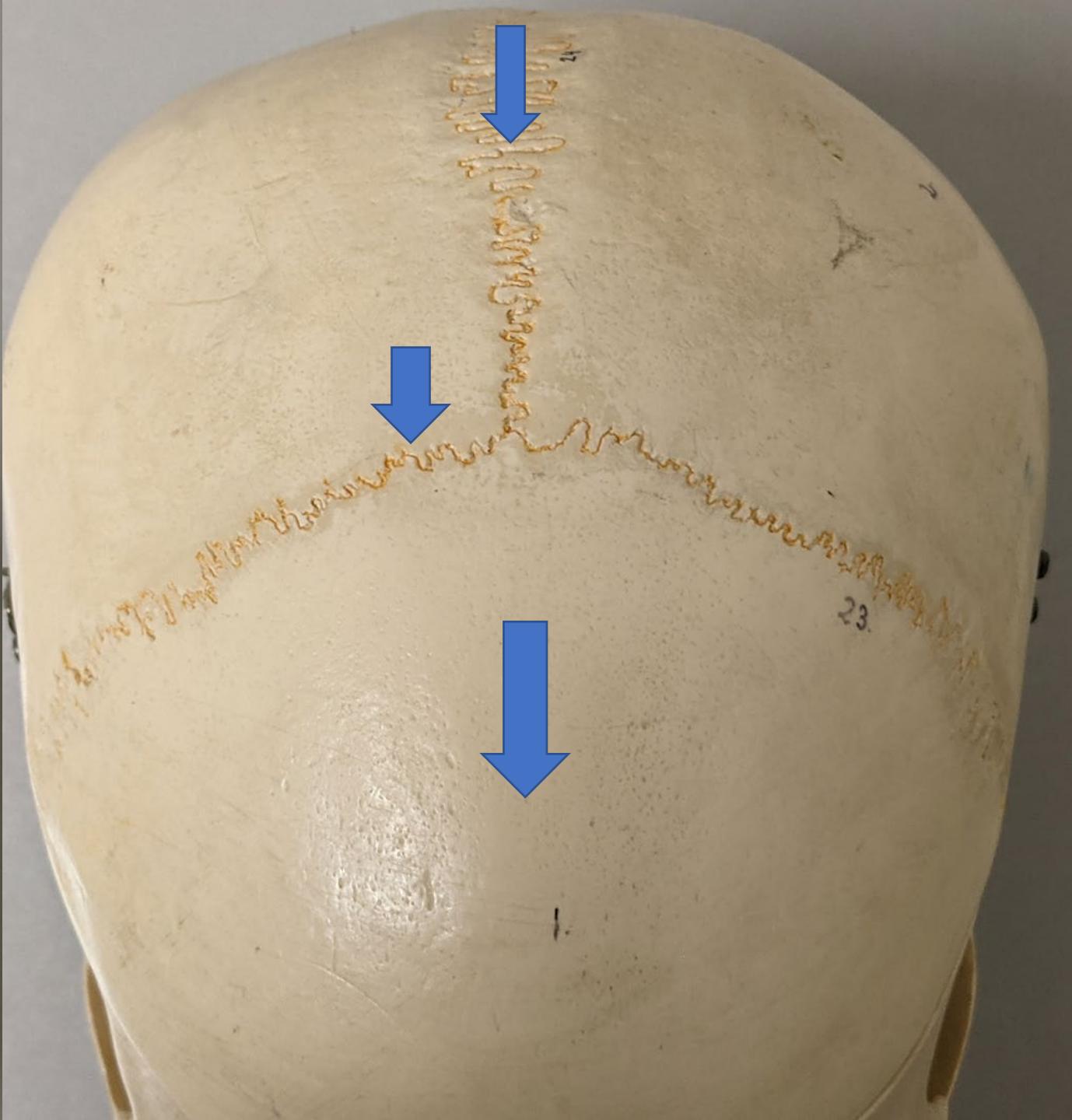
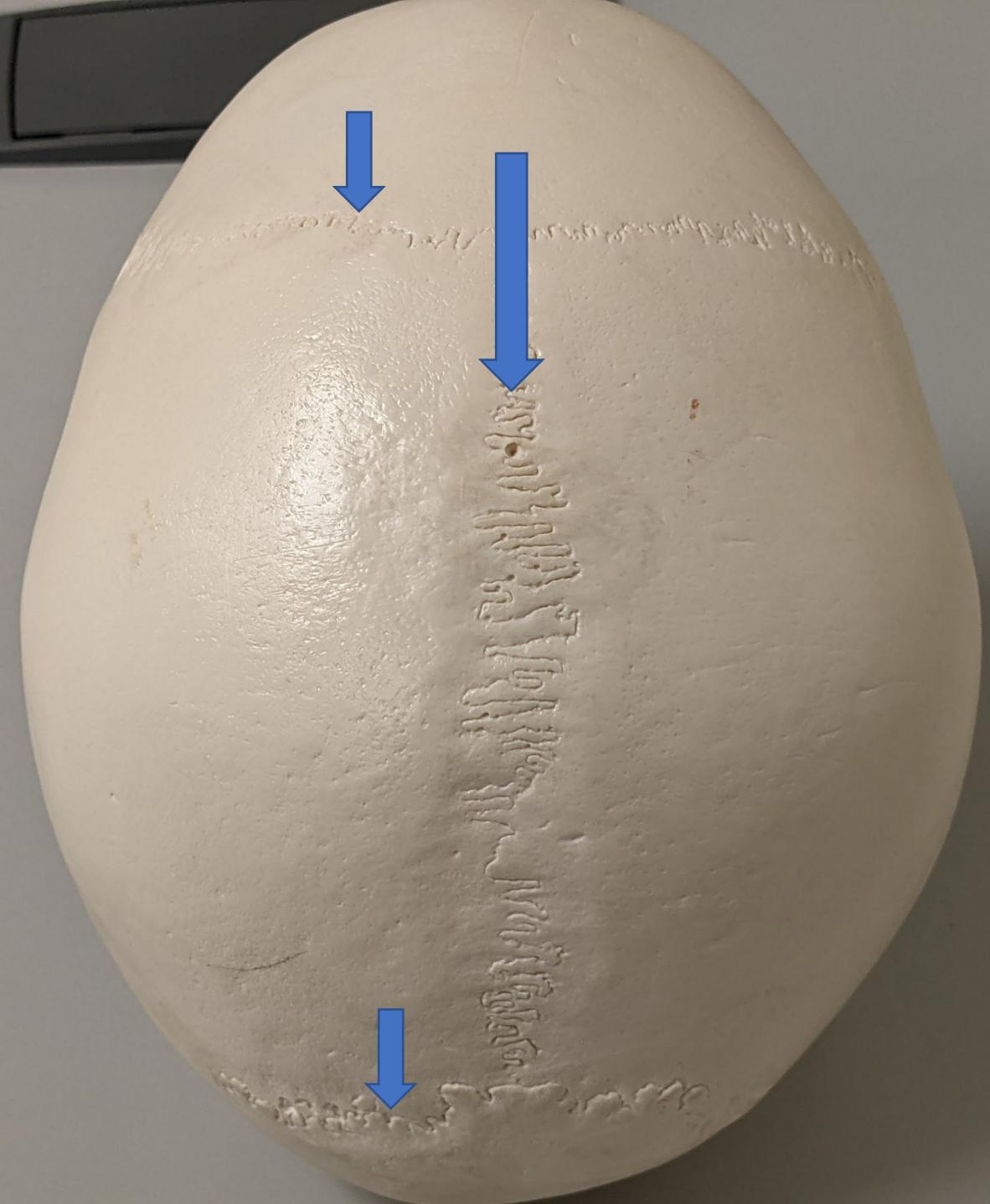
Skull, superior view

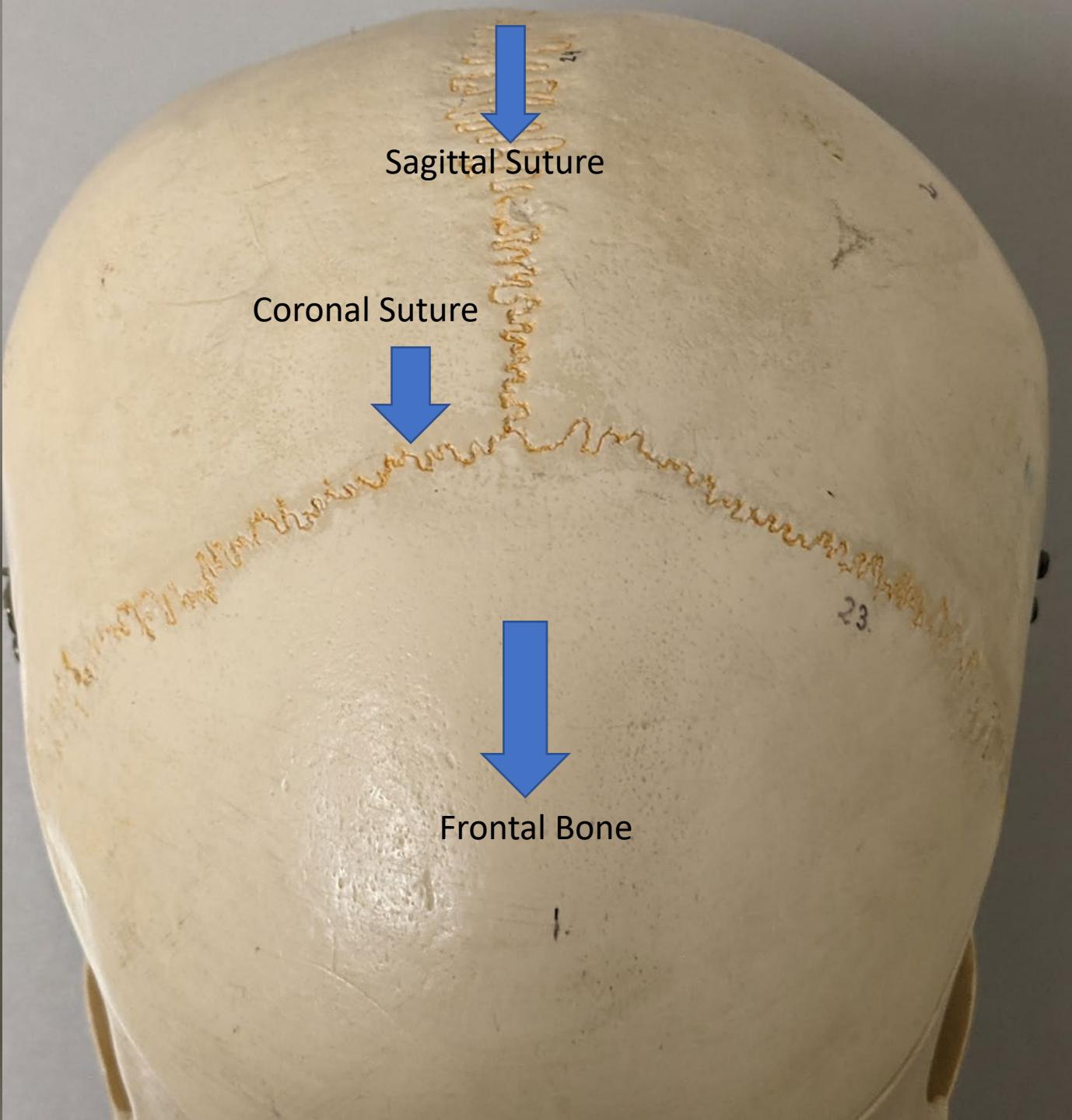
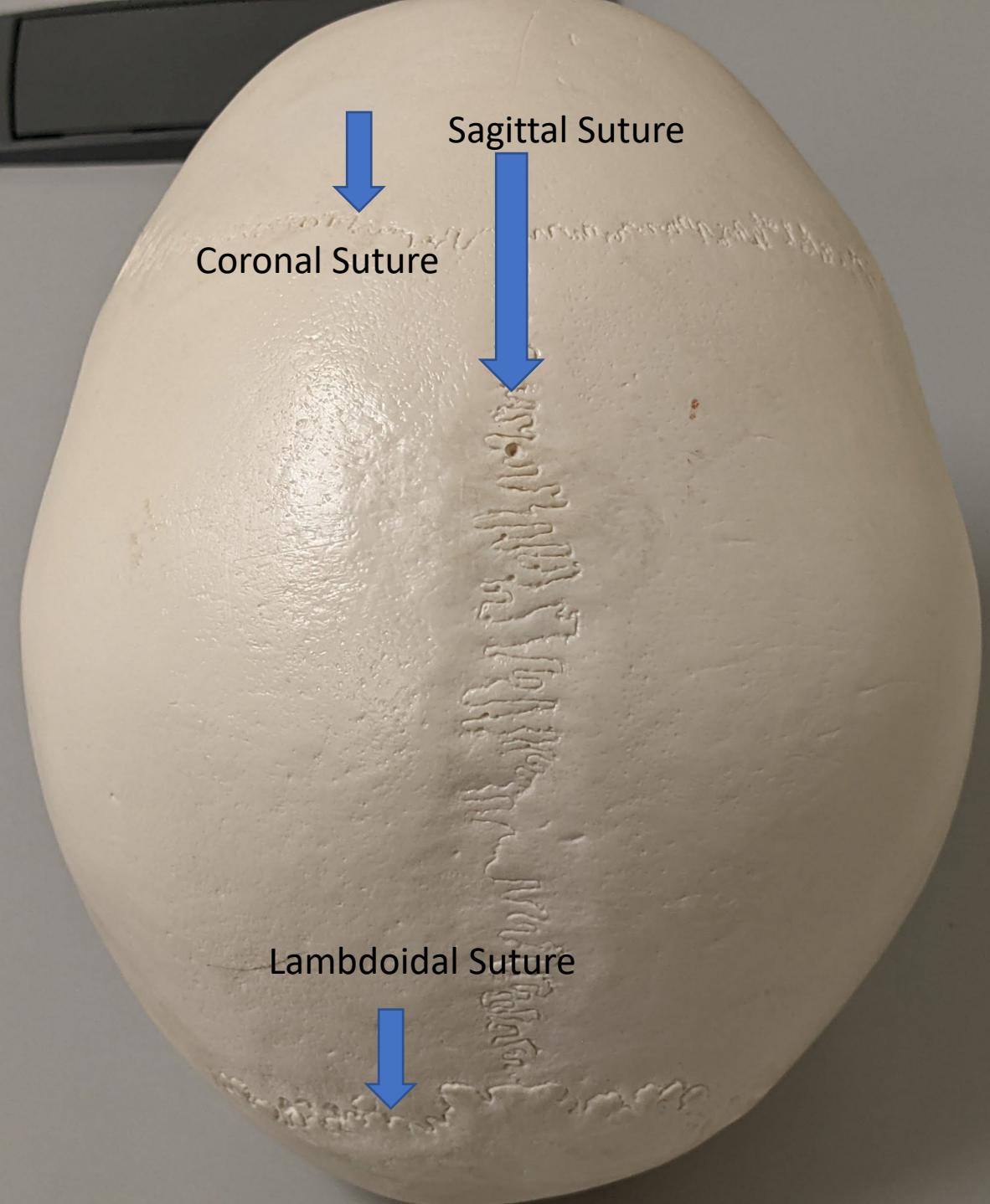




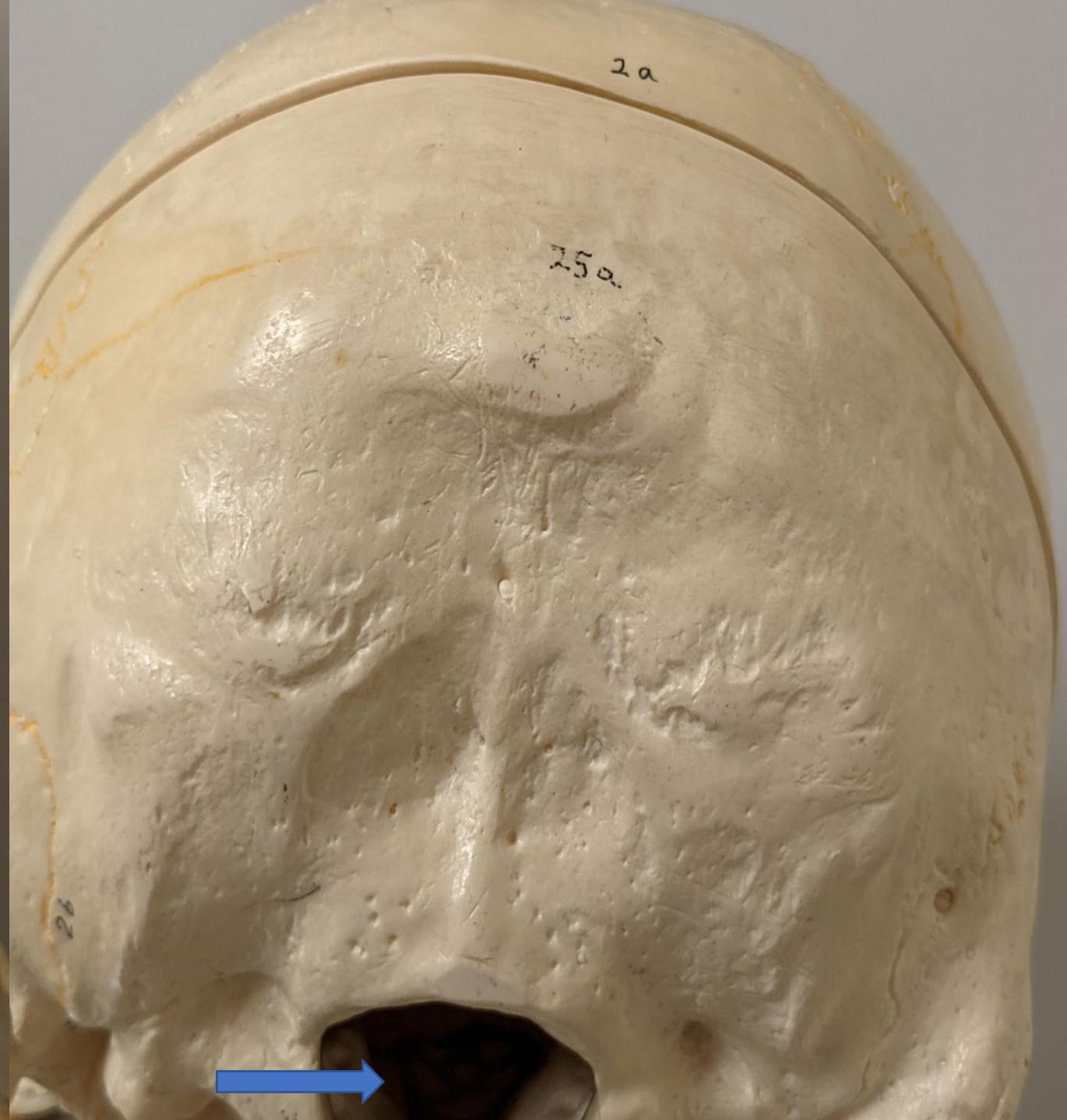
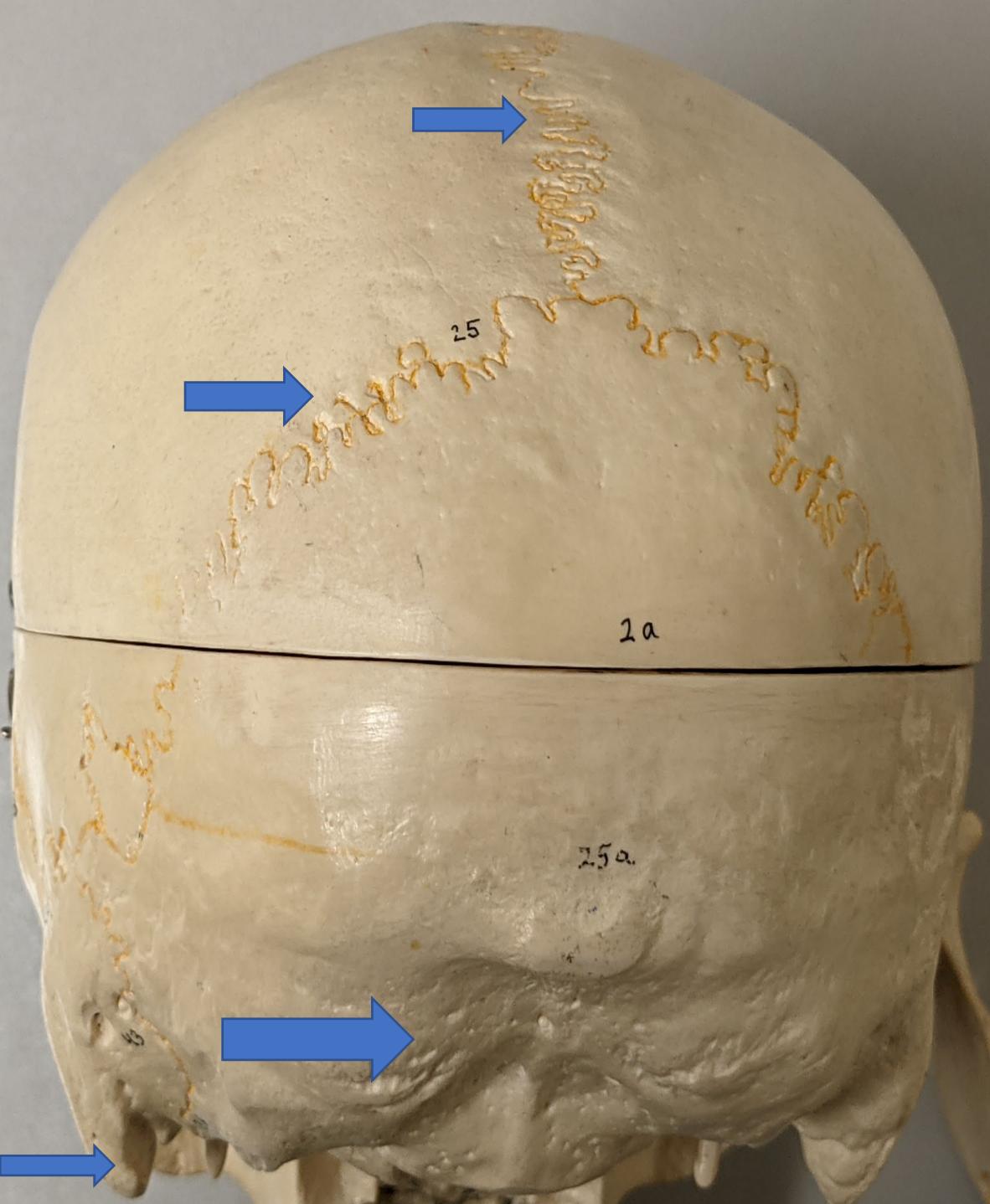


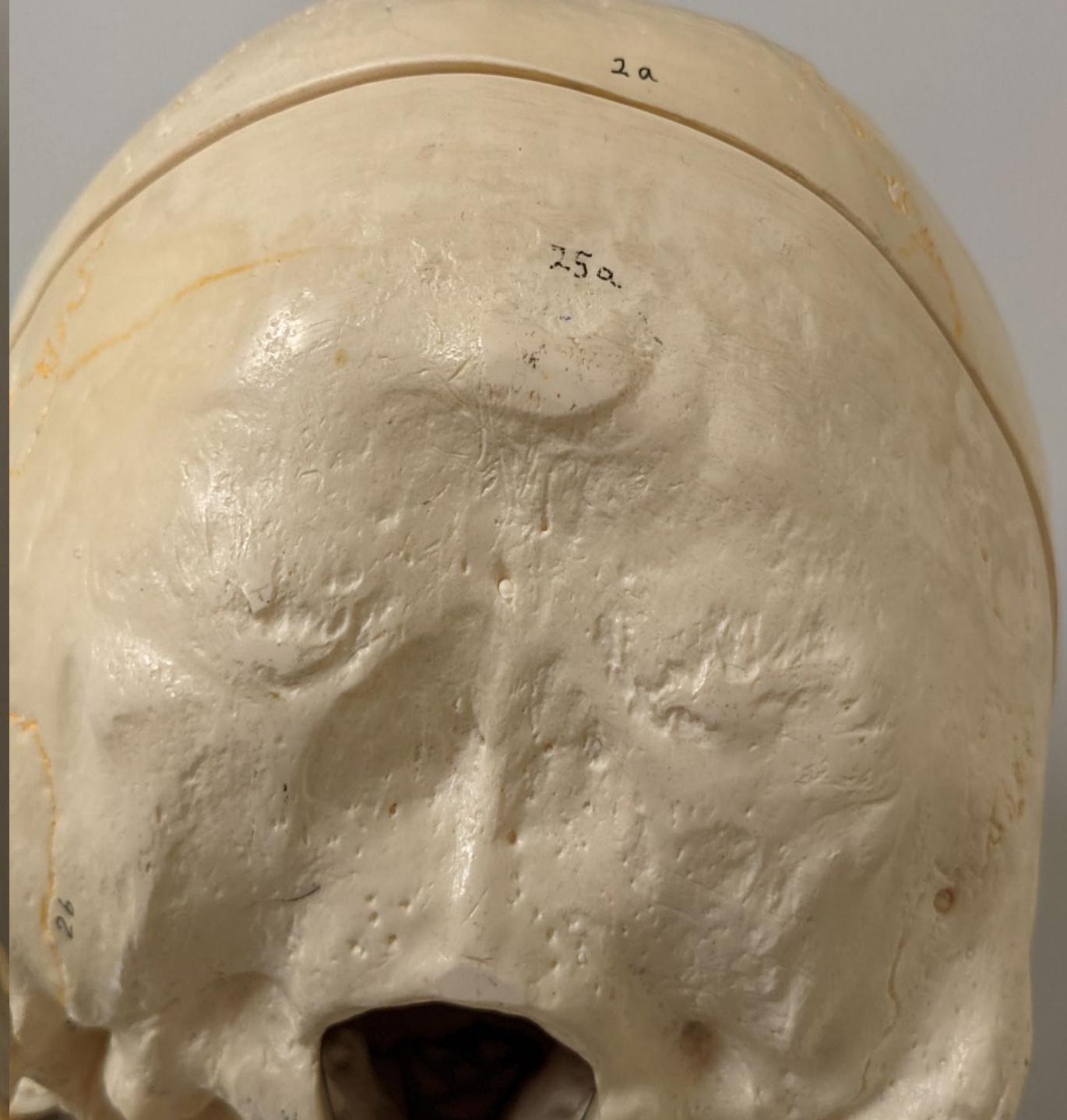
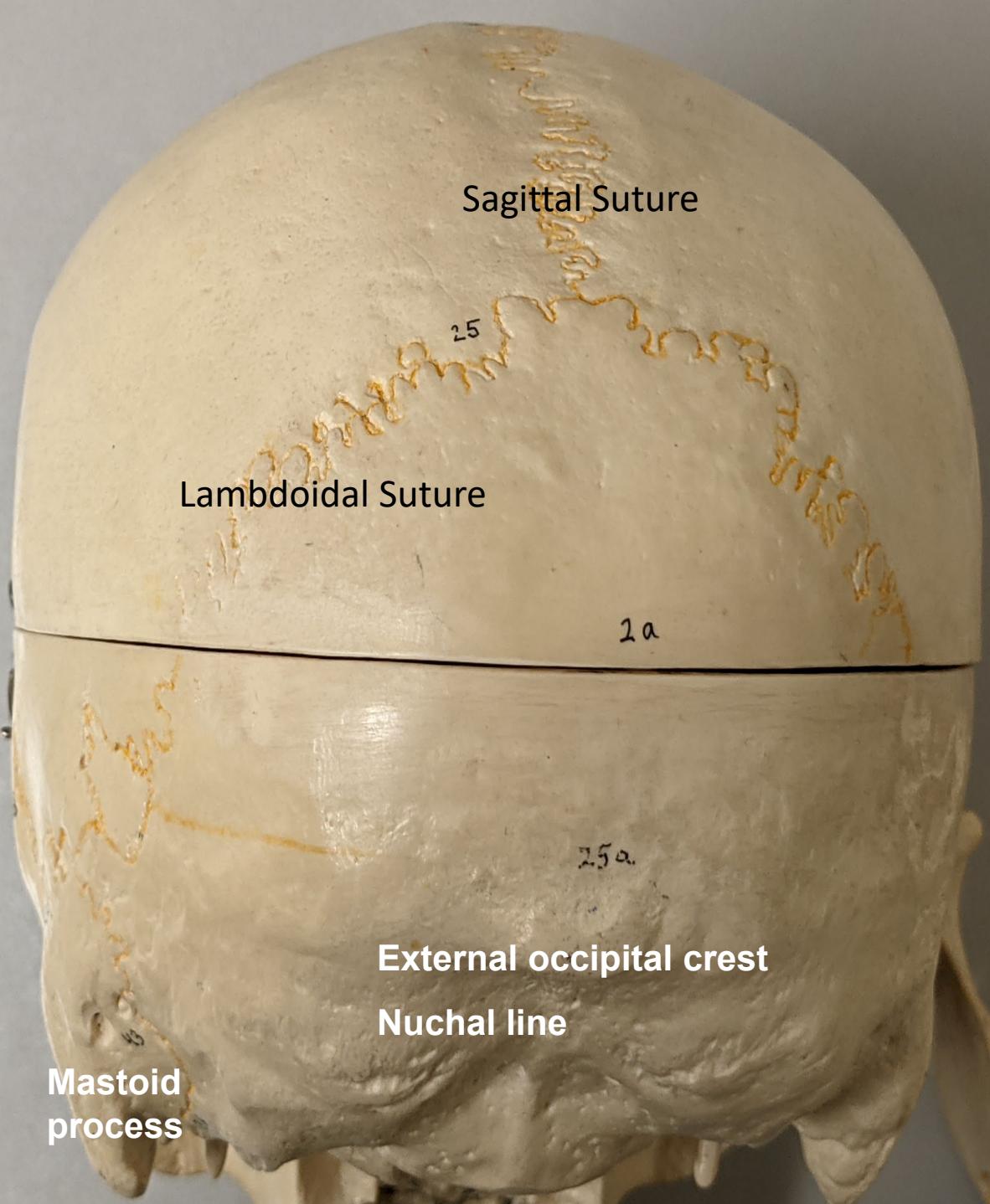
1. Occipital Bone
2. Lambdoidal Suture
3. Parietal Bone
4. Sagittal Suture
5. Coronal Suture
6. Frontal Bone





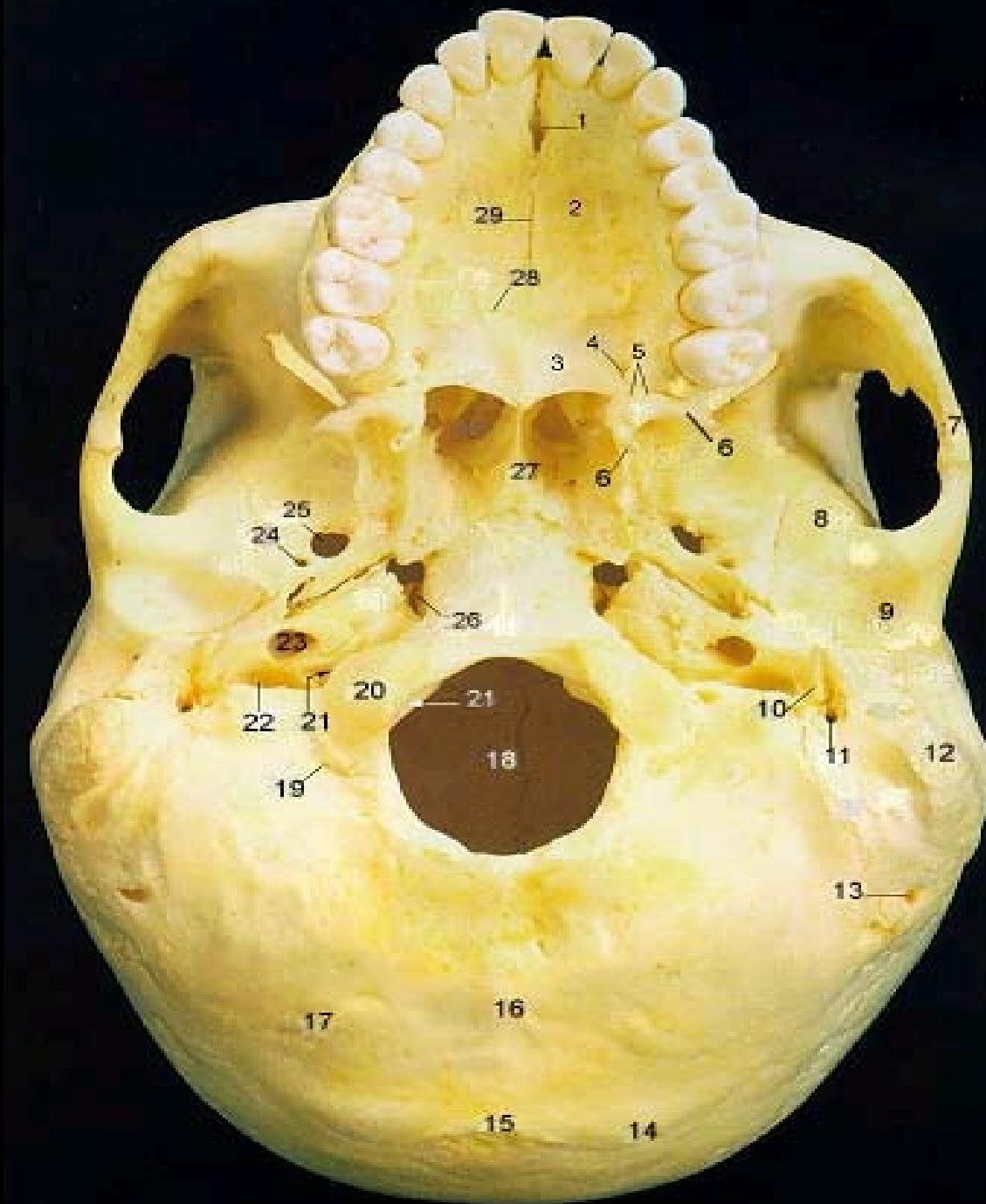


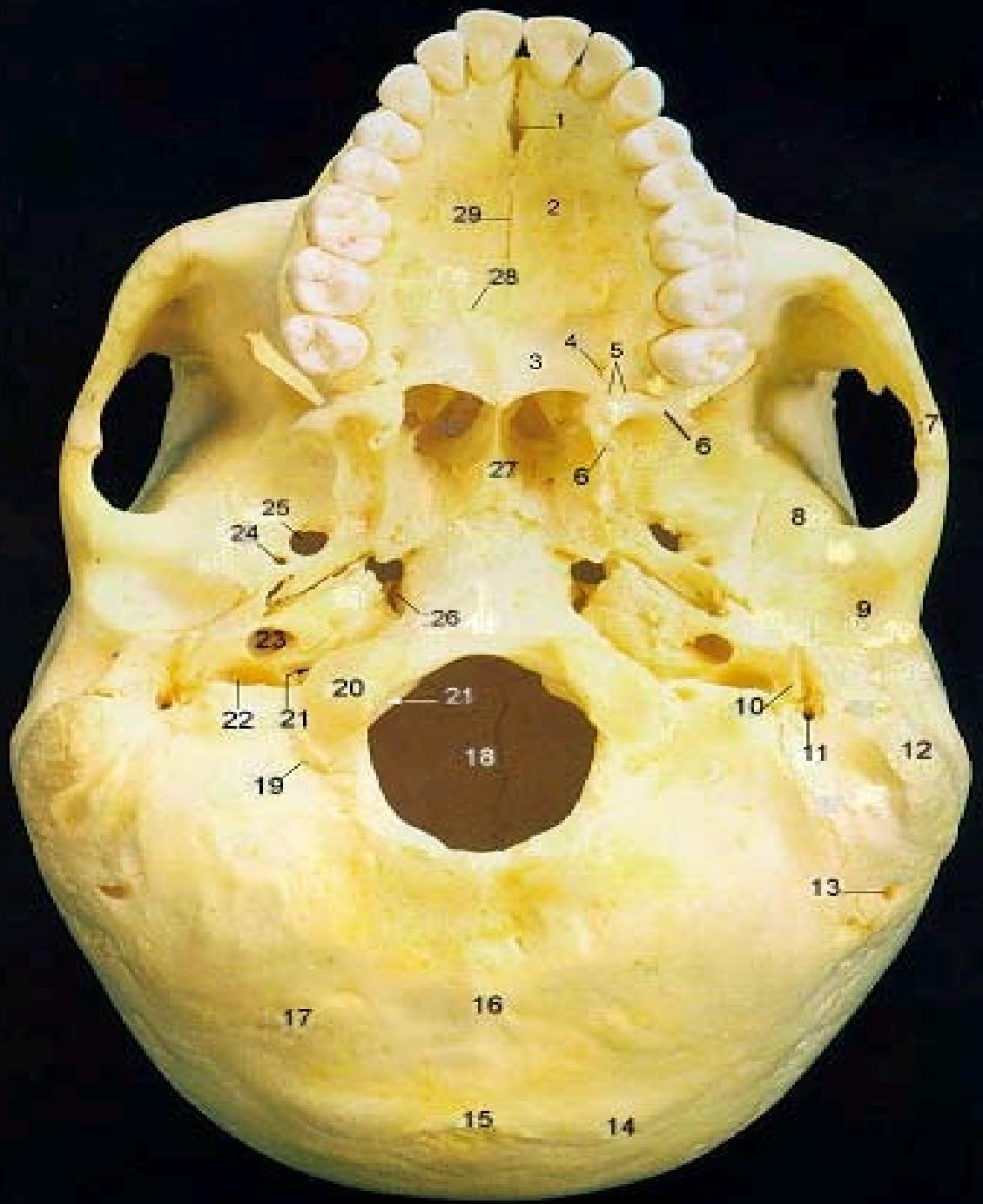




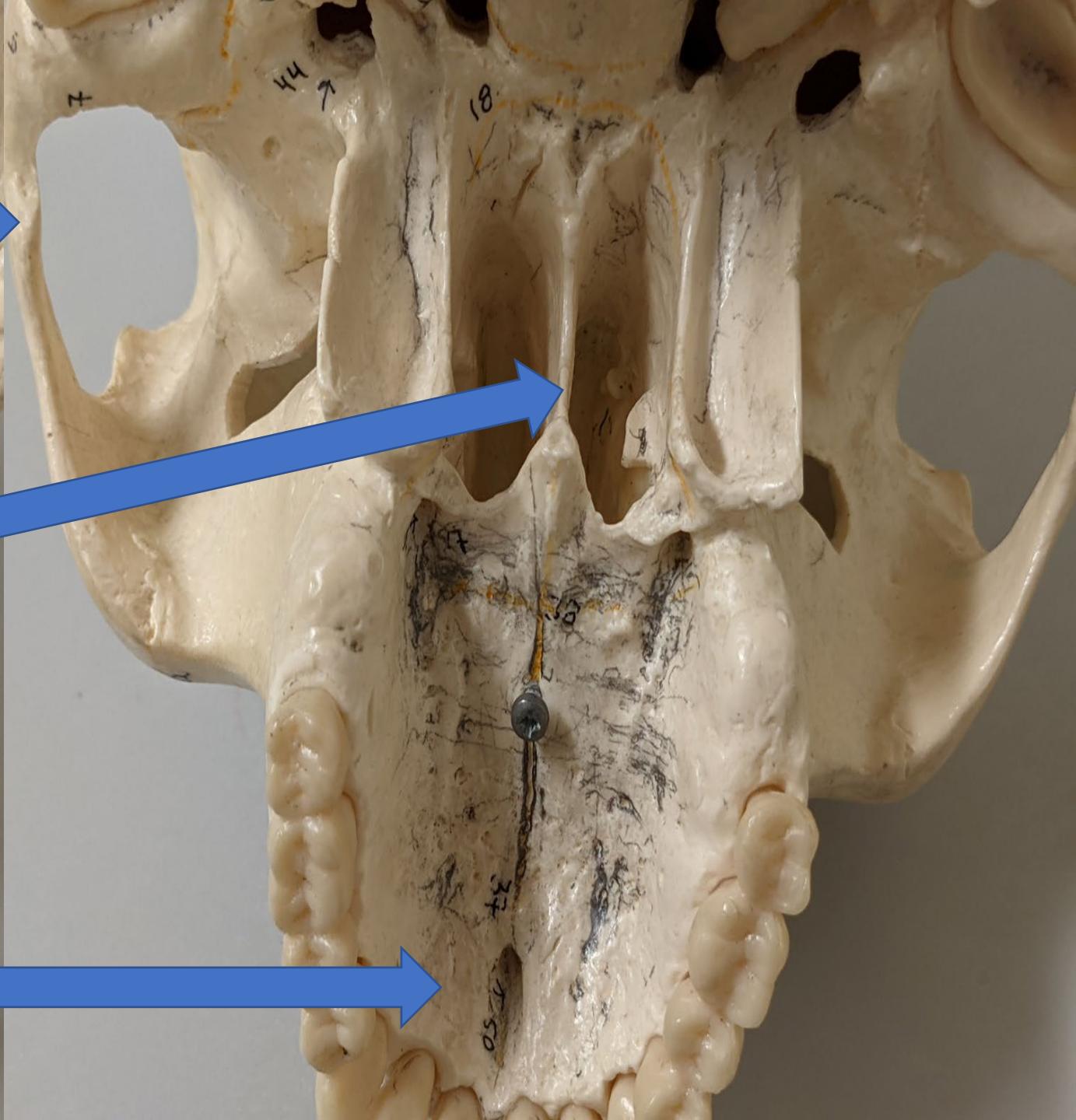
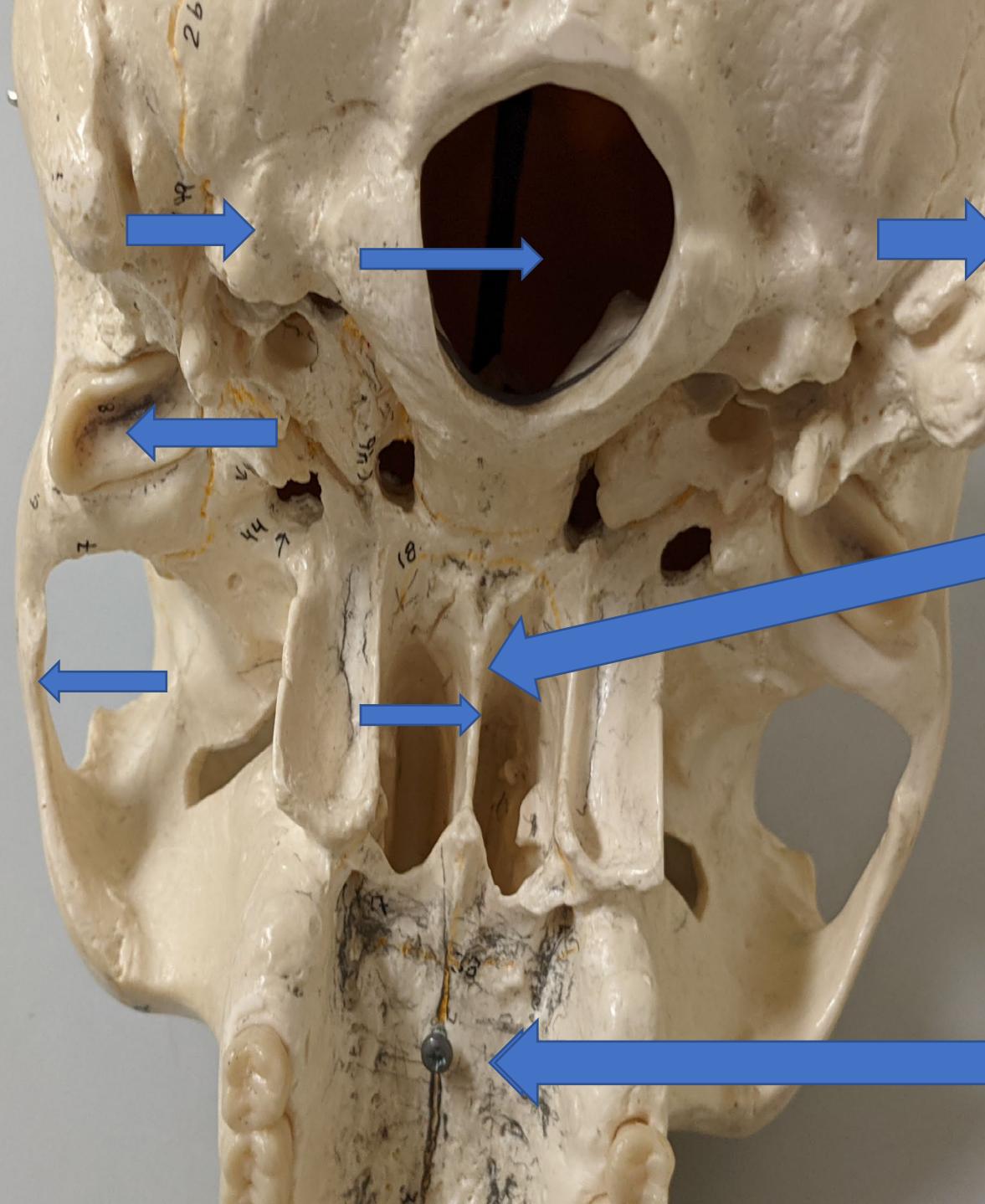
Sagittal Suture

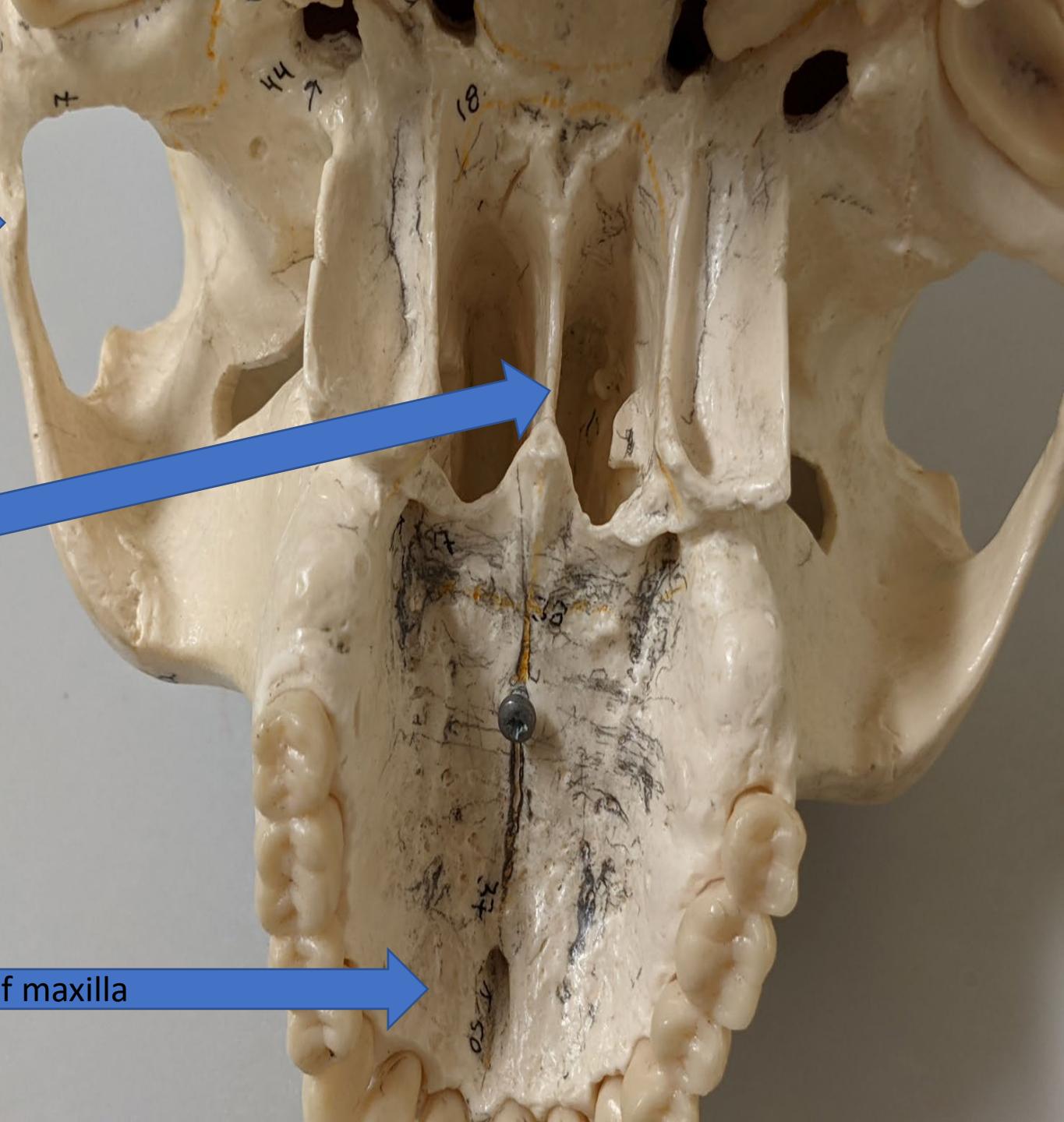
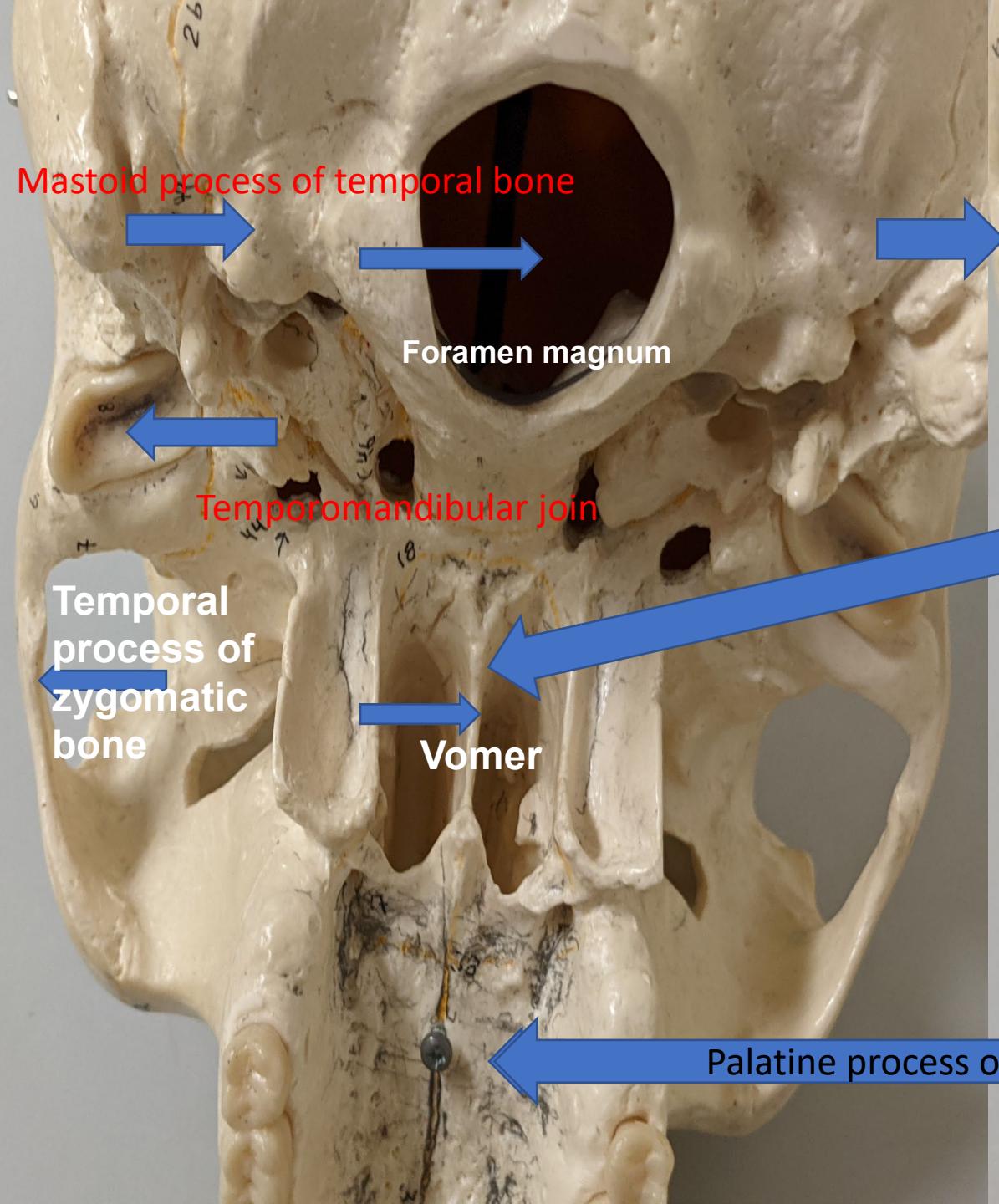
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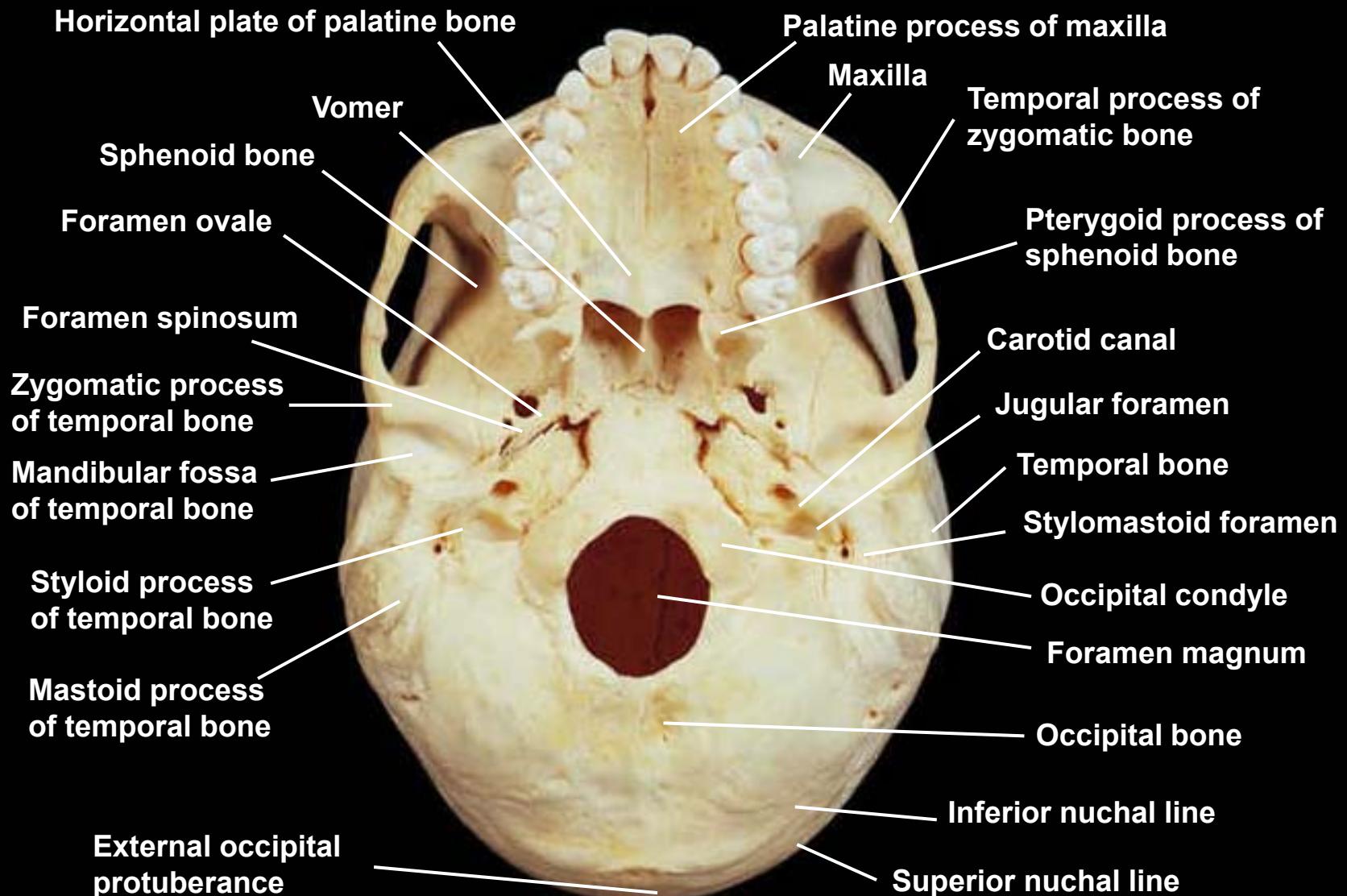


3. Palatine
6. Pterygoid Processes of Sphenoid
7. Zygomatic Process
8. Squamous Part of Temporal Bone
9. Mandibular Fossa
10. Styloid Process
12. Mastoid Process
14. Superior Nuchal Line
15. External Occipital Protruberance
17. Inferior Nuchal Line
18. Foramen Magnum
20. Occipital Condyle
22. Jugular Foramen
- 23.

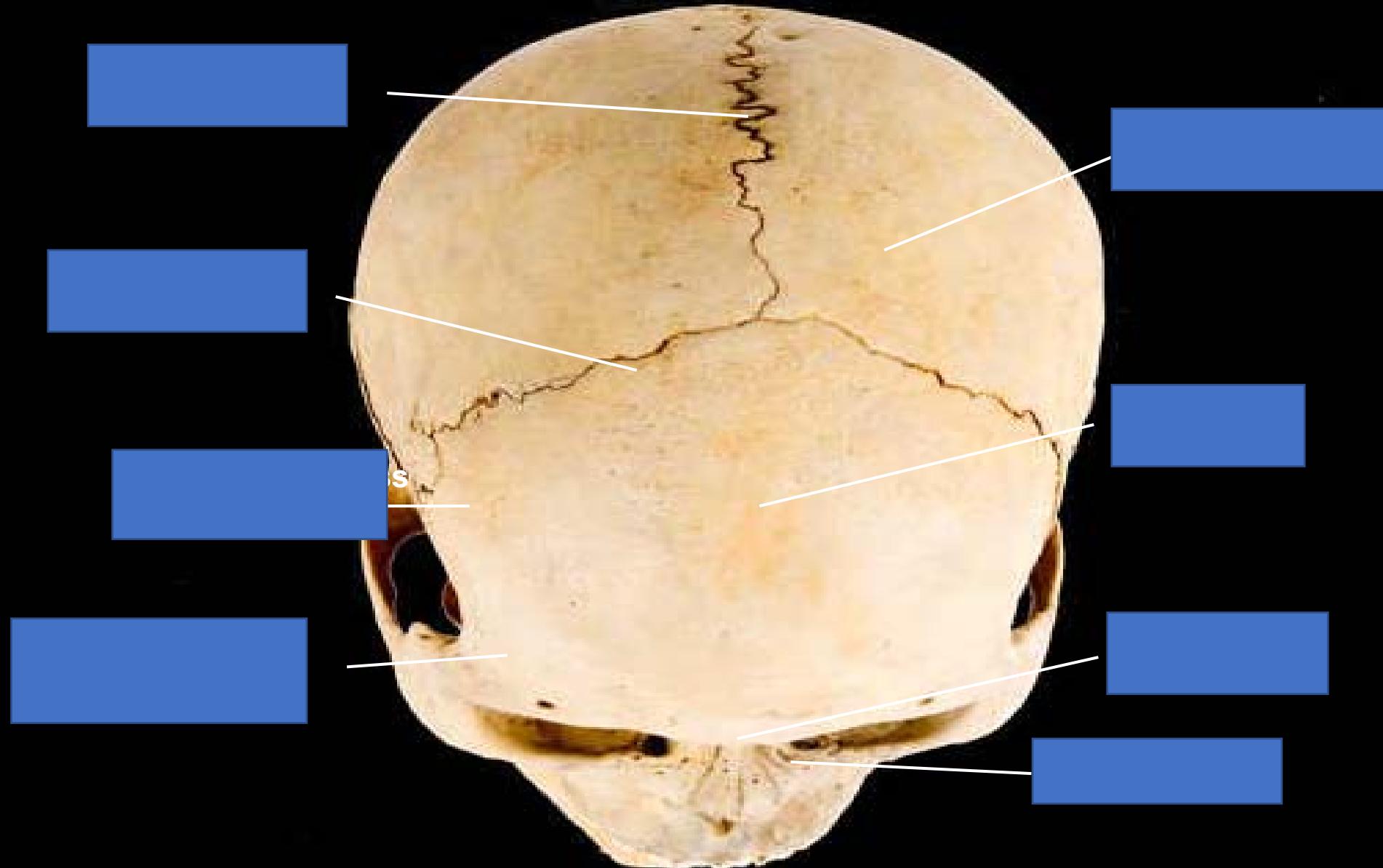




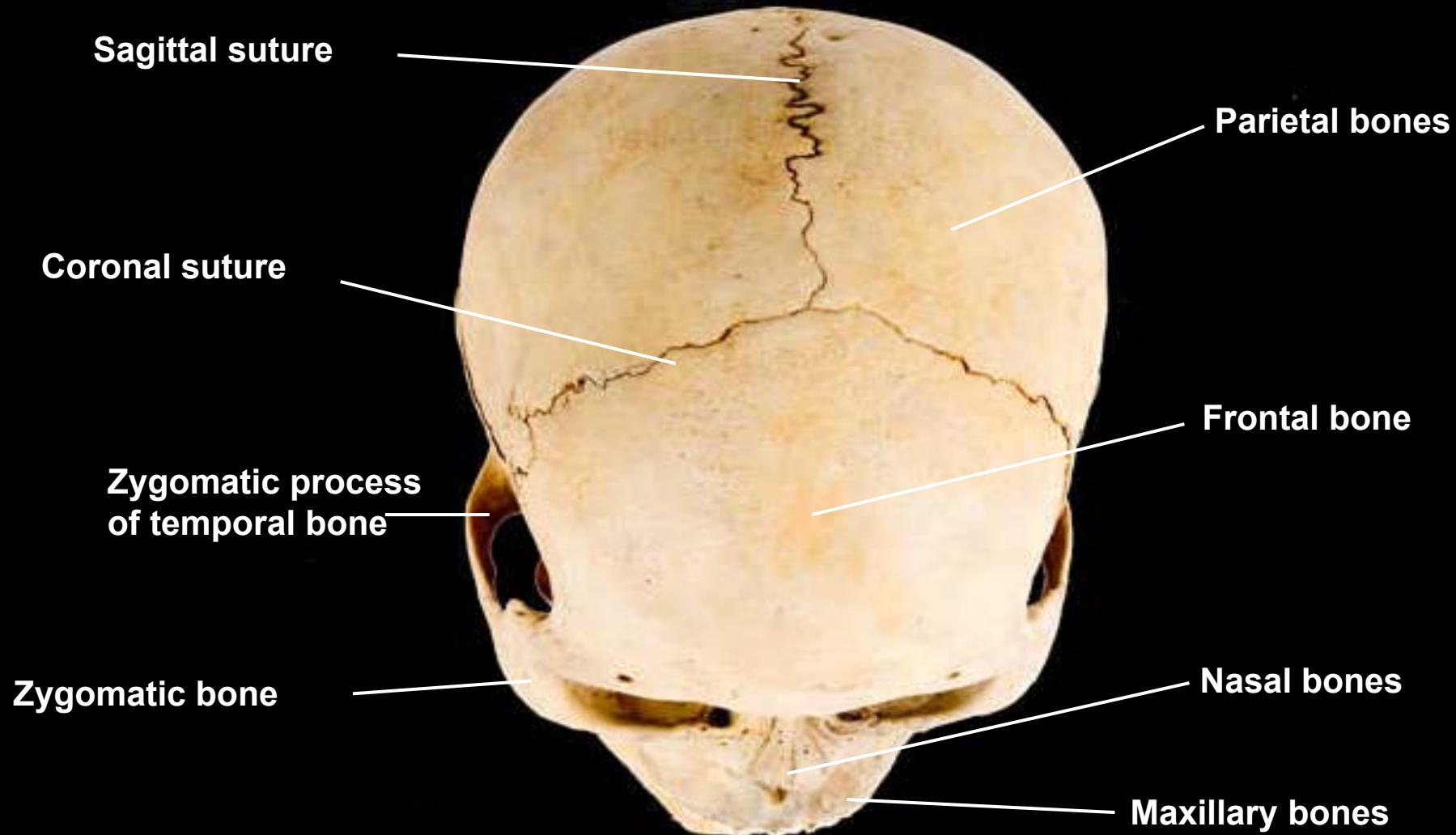
Skull, inferior view

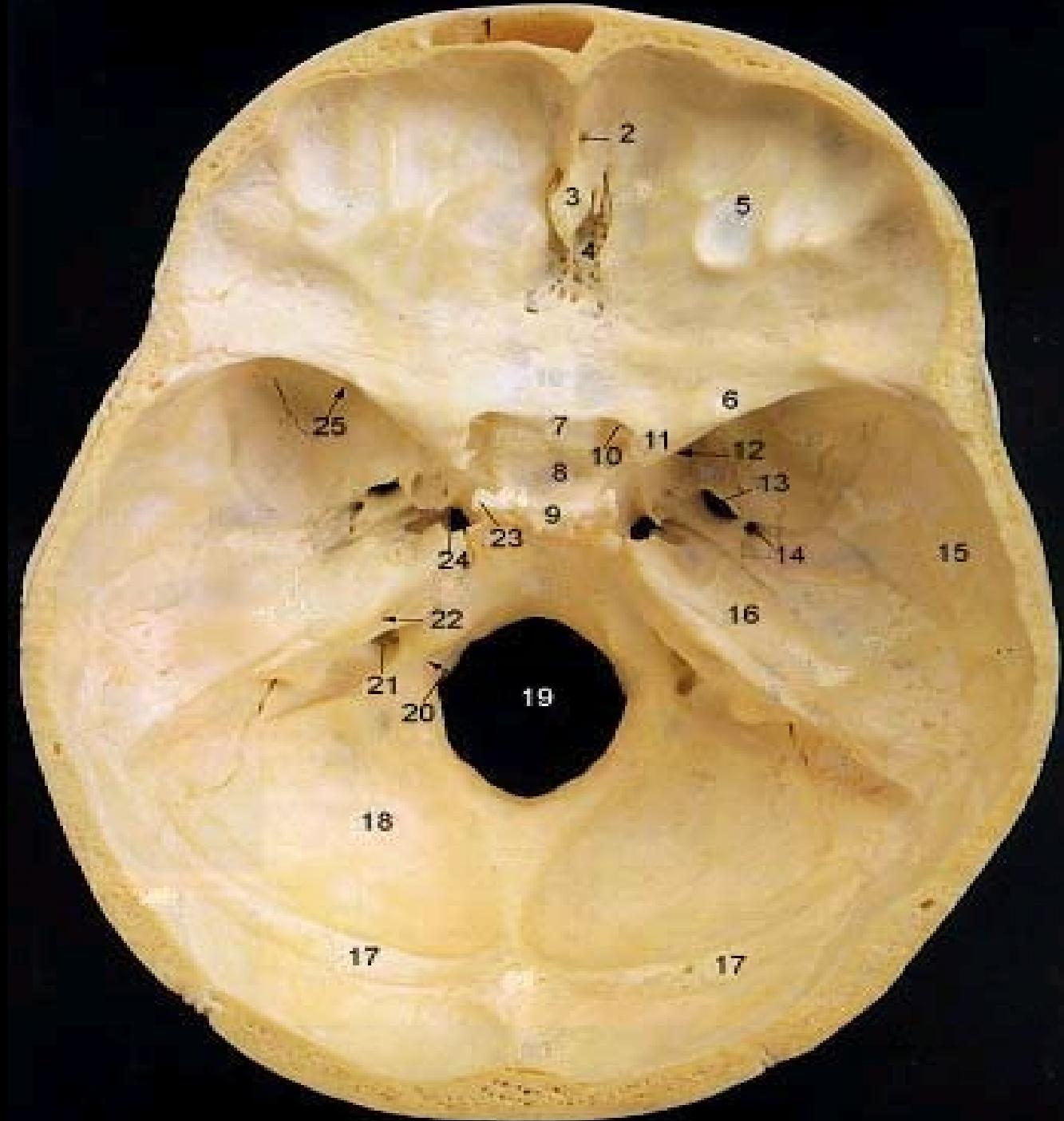


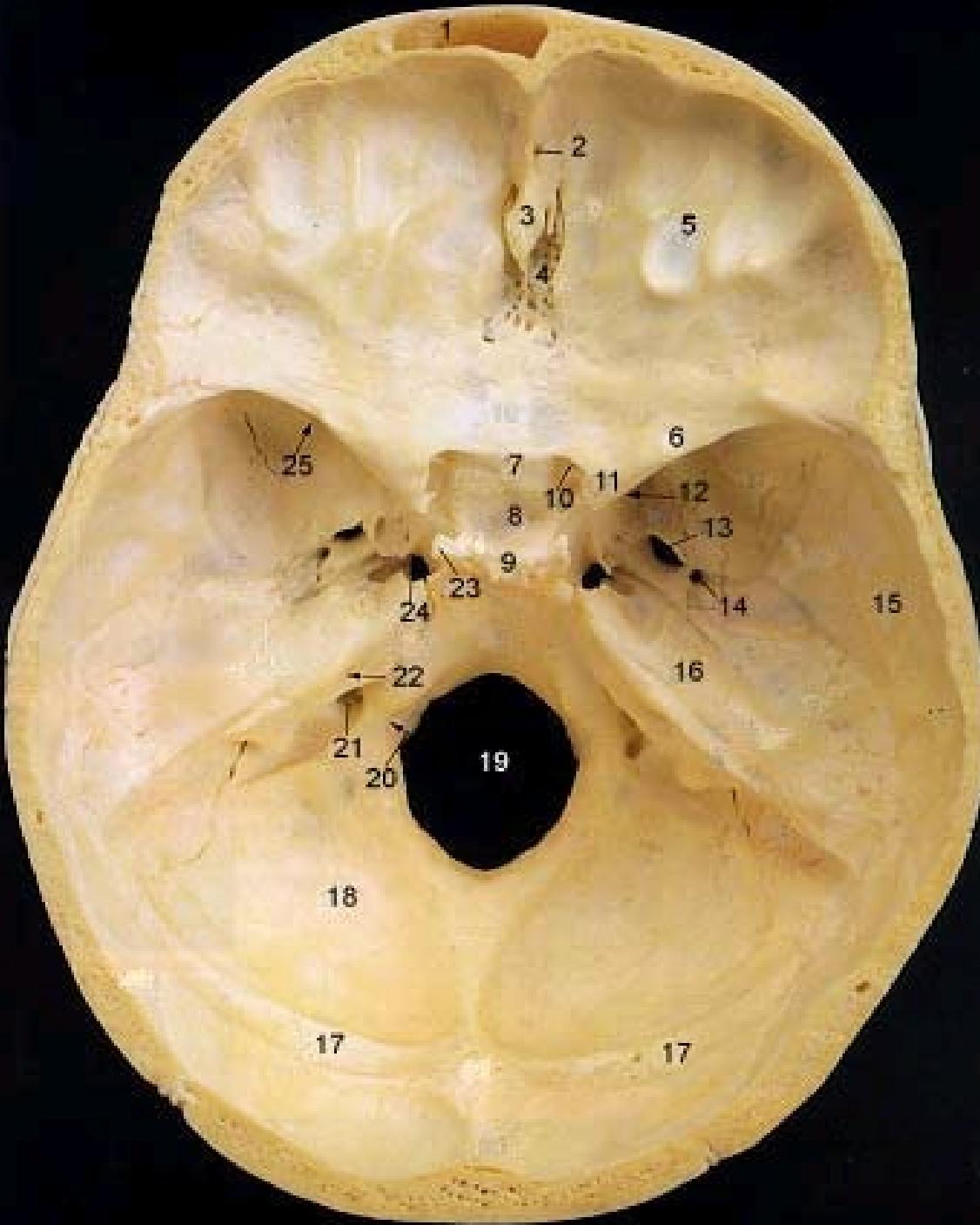
Skull, superior view



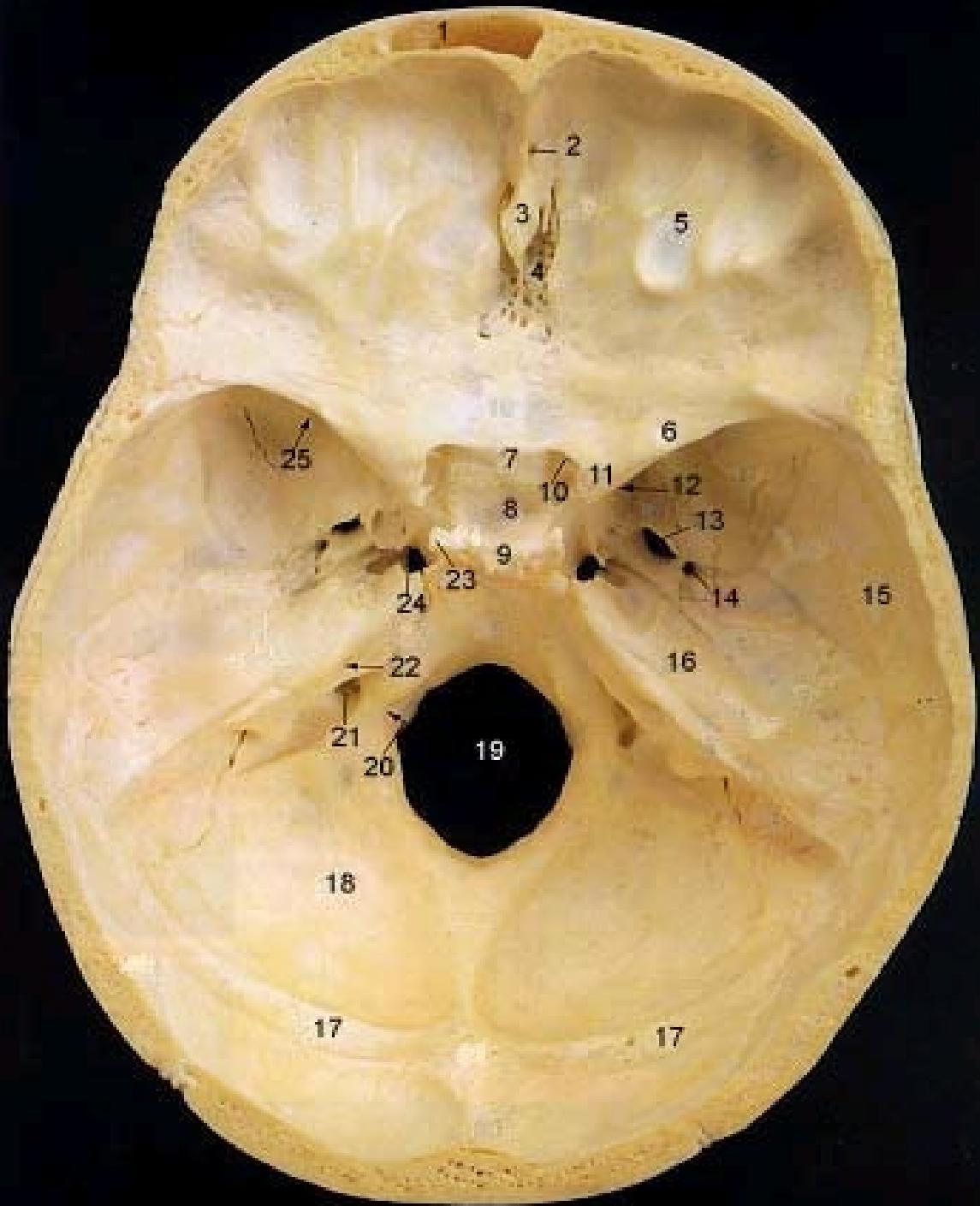
Skull, superior view





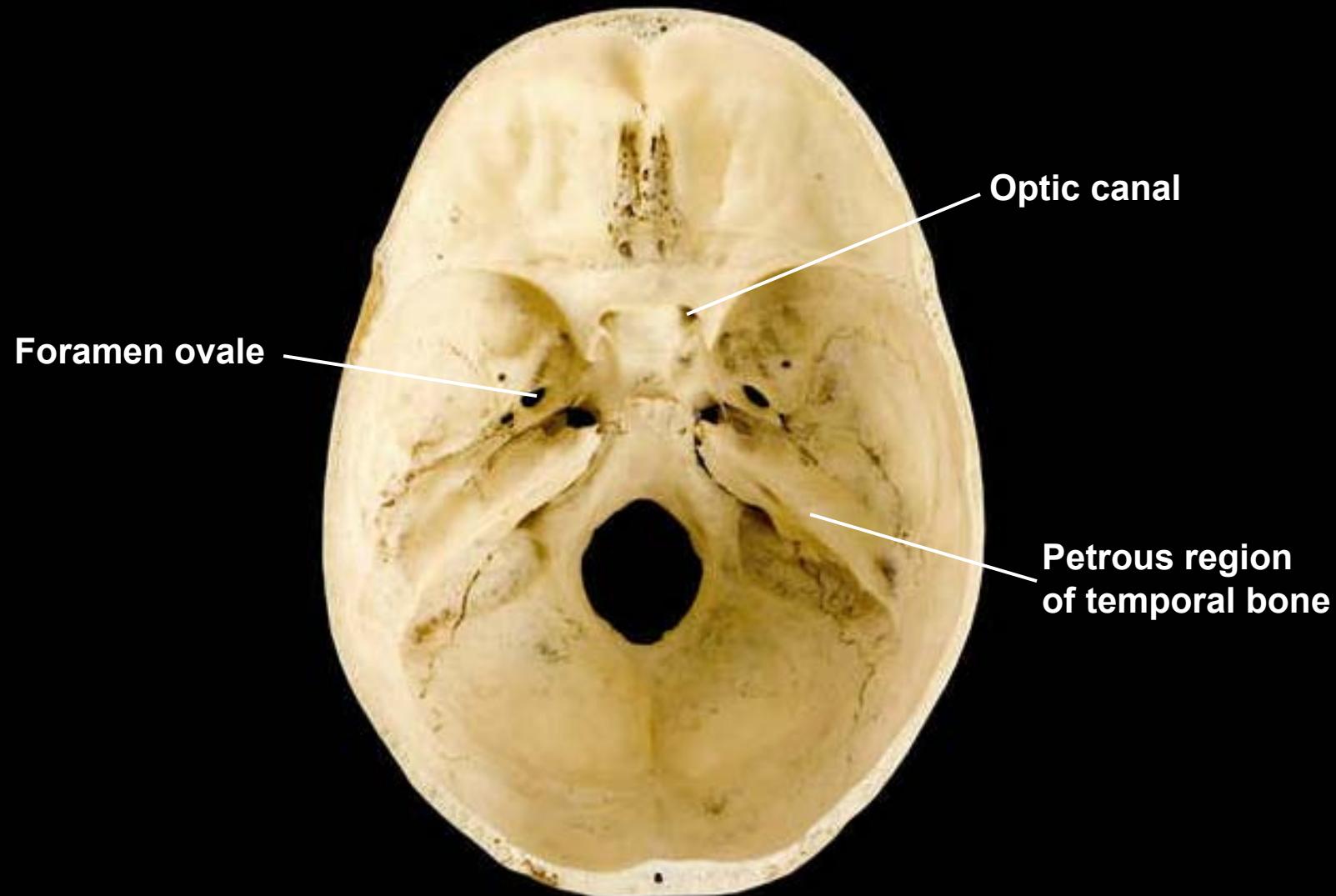


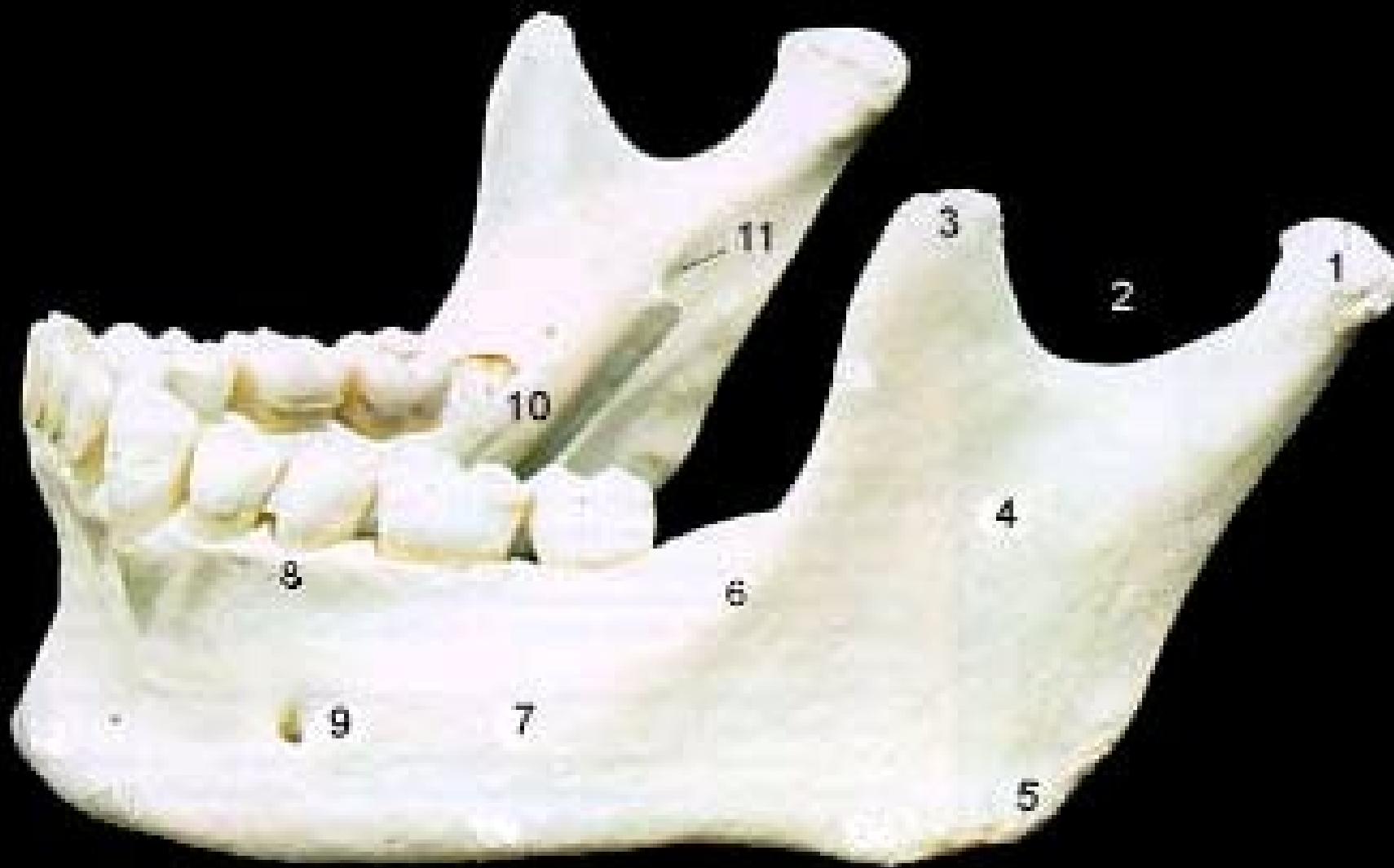
1. Frontal Sinus
2. Foramen Cecum
3. Crista Galli
4. Cribriform Plate
5. Anterior Cranial Fossa
6. Lesser Wing of Sphenoid
7. Chiasmatic Groove
8. Hypophyseal Fossa
9. Dorsum Sella
10. Optic Canal
11. Anterior Clinoid Process
12. Foramen Rotundum
13. Foramen Ovale
14. Foramen Spinosum
15. Squamous Part of Temporal
16. Petrous Part of Temporal
17. Groove for Transverse Sinus
18. Posterior Cranial Fossa
19. Foramen Magnum
20. Hypoglossal Canal
21. Jugular Foramen
22. Internal Acoustic Meatus
23. Posterior Clinoid Process
24. Foramen Lacerum
25. Superior Orbital Fissure

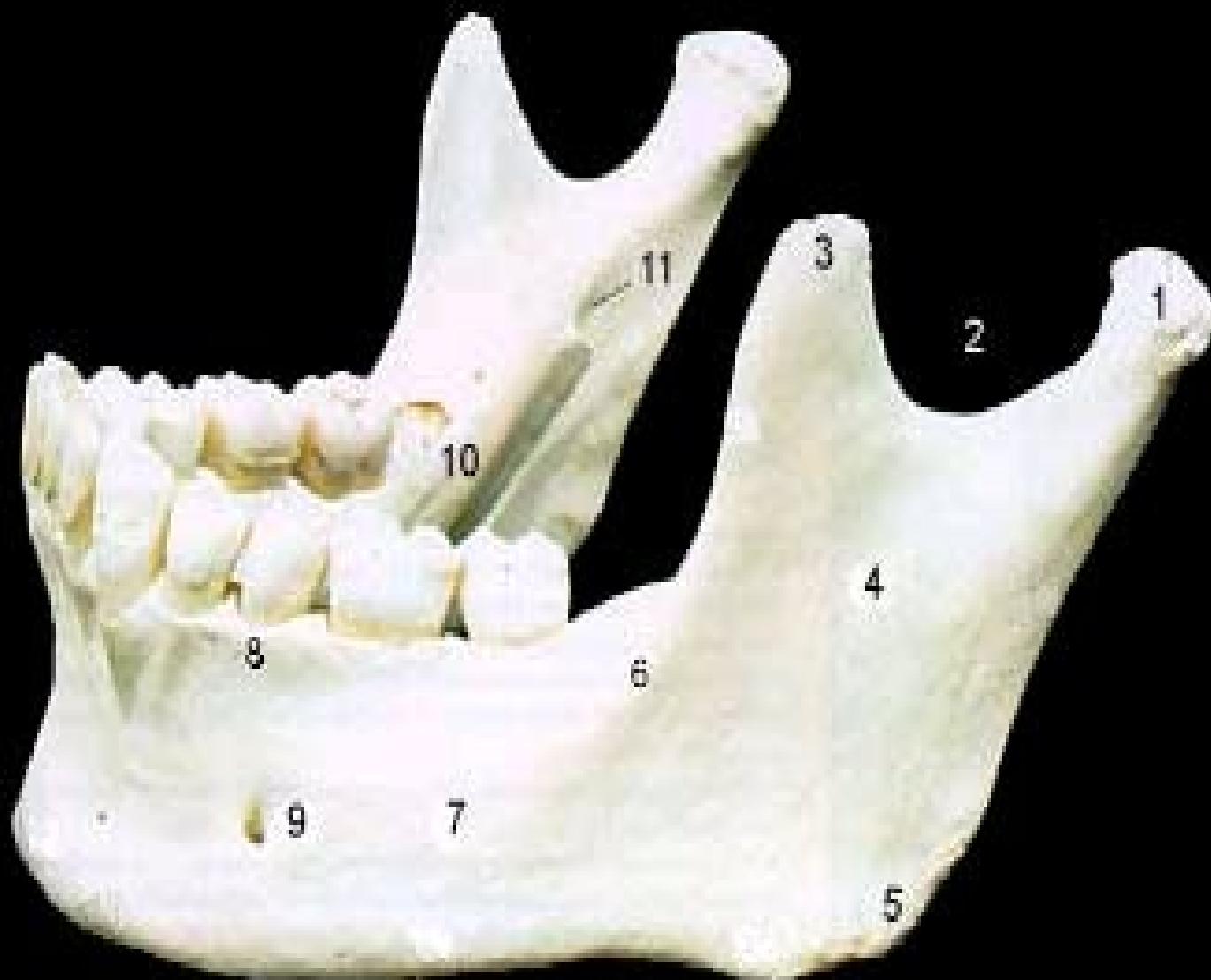


- 20. Hypoglossal Canal
- 21. Jugular Foramen
- 22. Internal Acoustic Meatus
- 23. Posterior Clinoid Process
- 24. Foramen Lacerum
- 25. Superior Orbital Fissure

Skull, superior view of floor of cranial activity





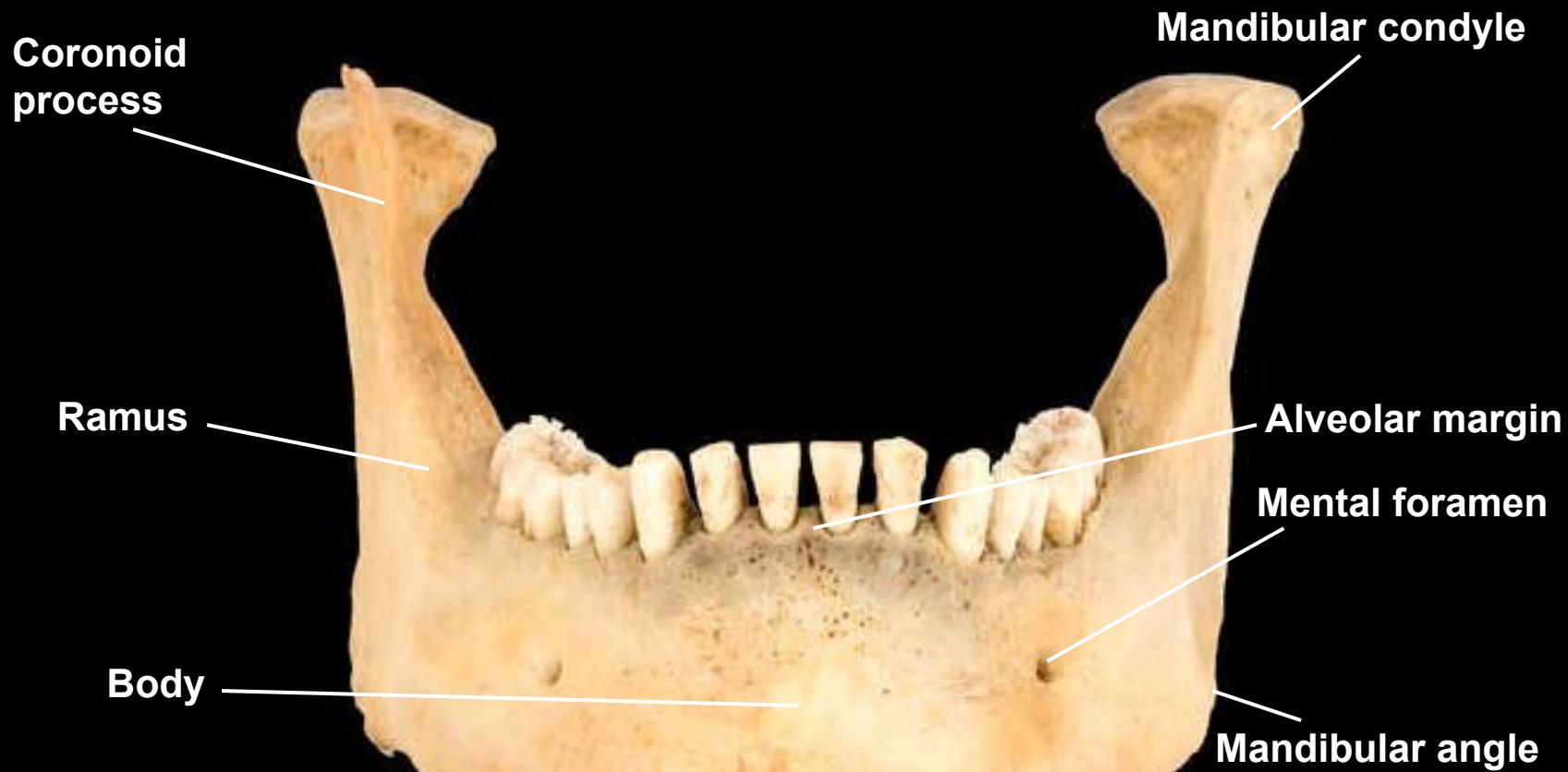


1. **Mandibular Condyle**
2. **Mandibular Notch**
3. **Coronoid Process**
4. **Ramus**
5. **Angle**
6. **Oblique Line**
7. **Body**
8. **Alveolar Process**
9. **Mental Foramen**
10. **Mylohyoid Line**
11. **Mandibular Foramen**

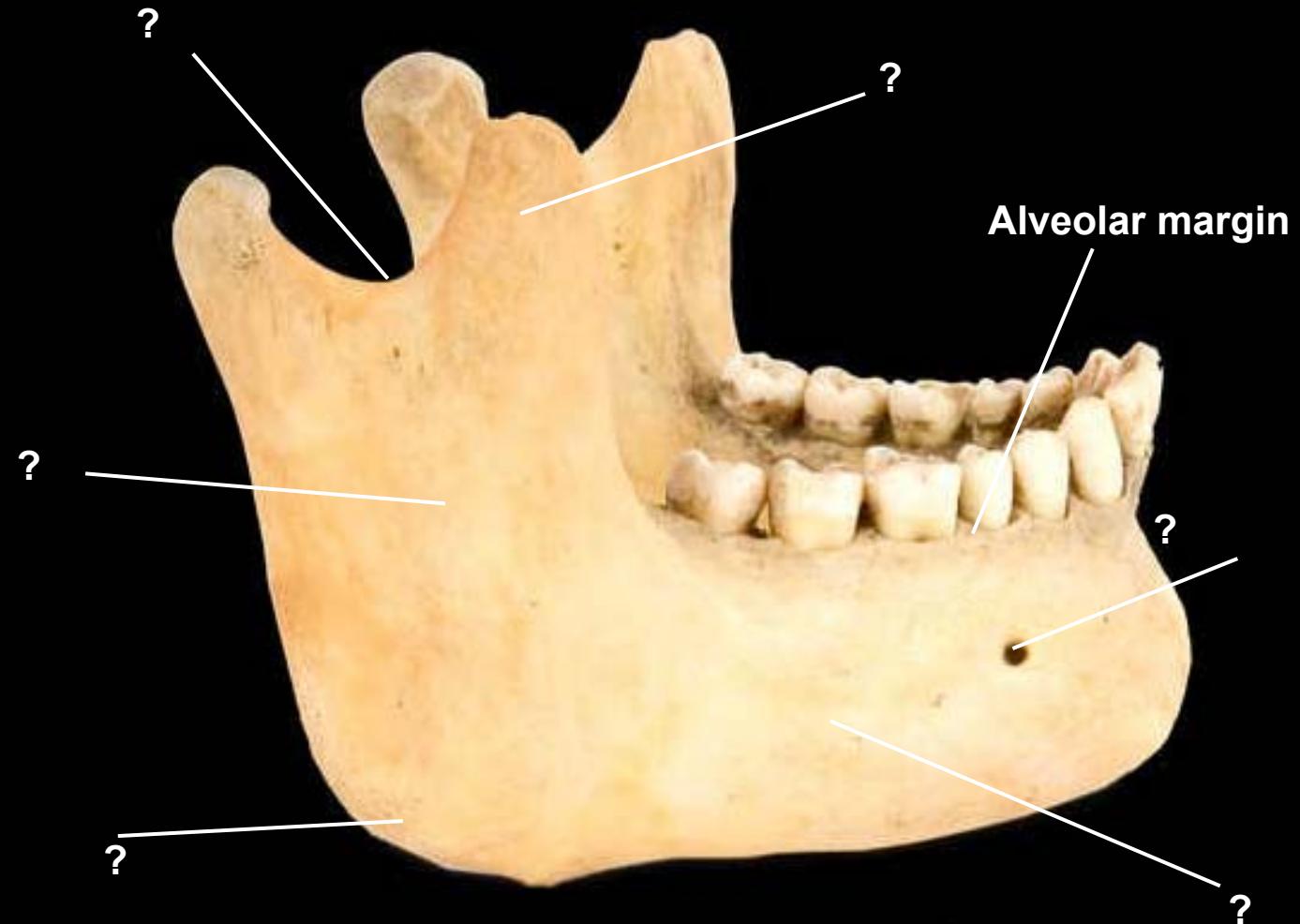
Mandible, anterior view



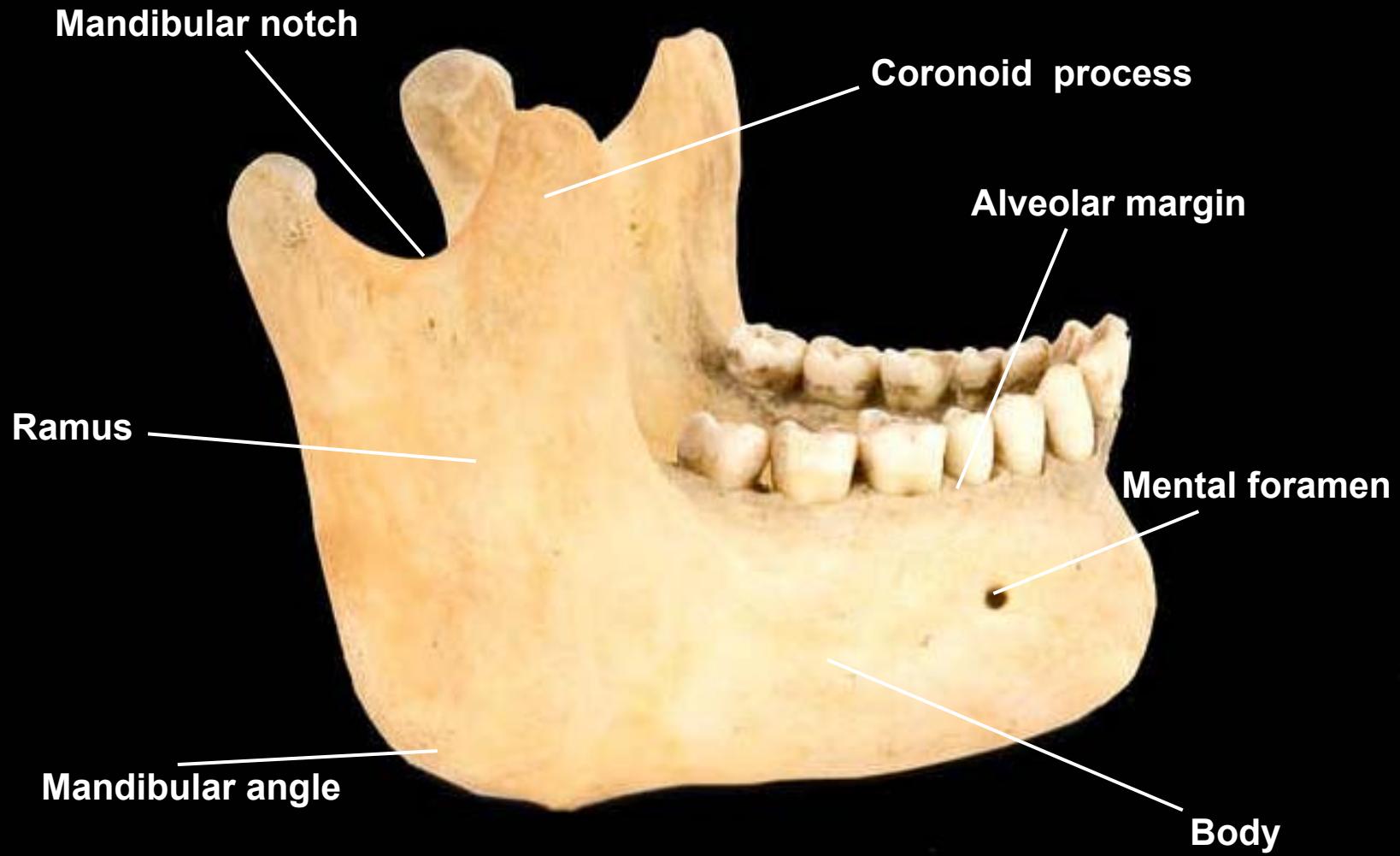
Mandible, anterior view



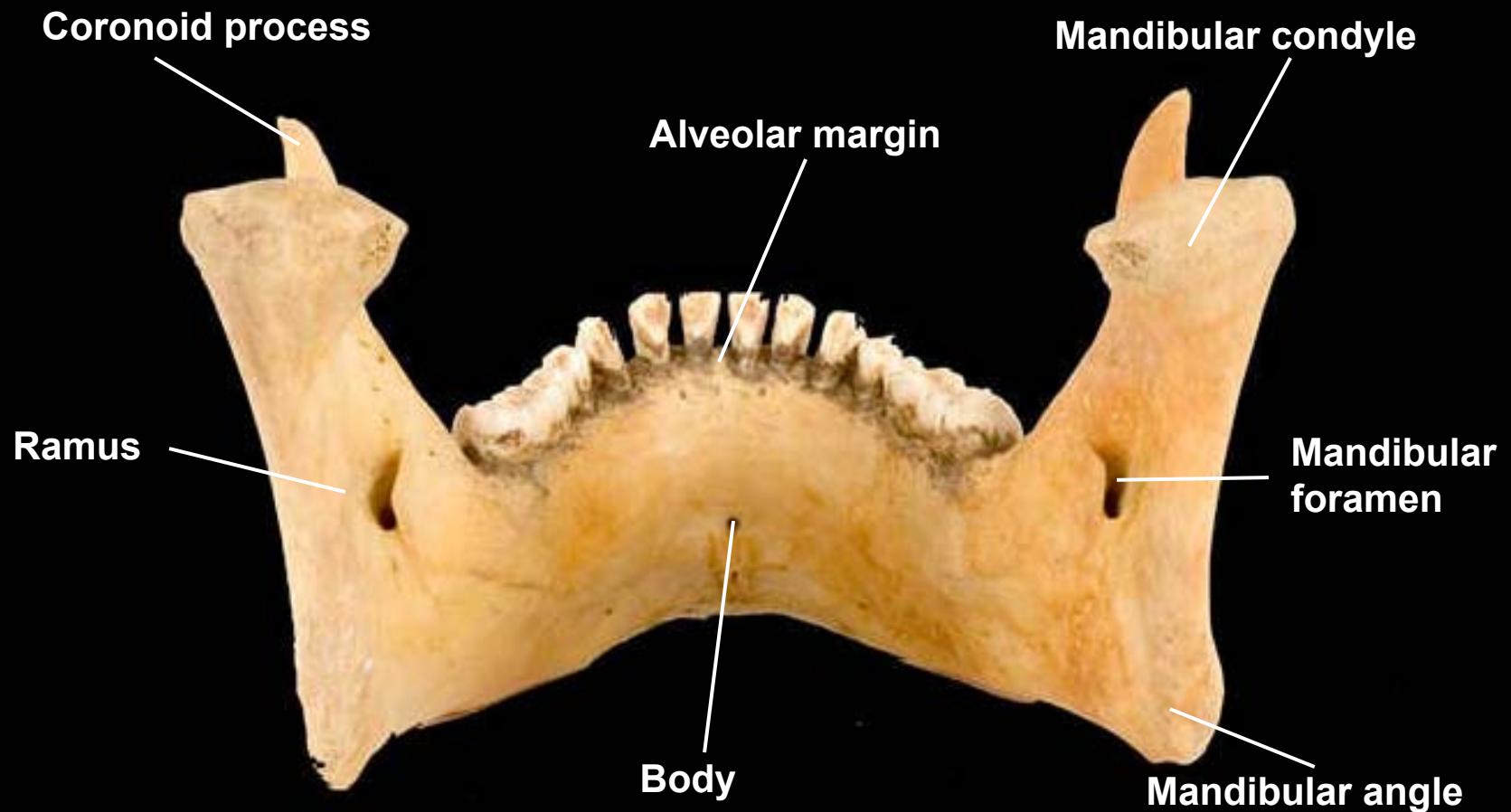
Mandible, lateral view, right side

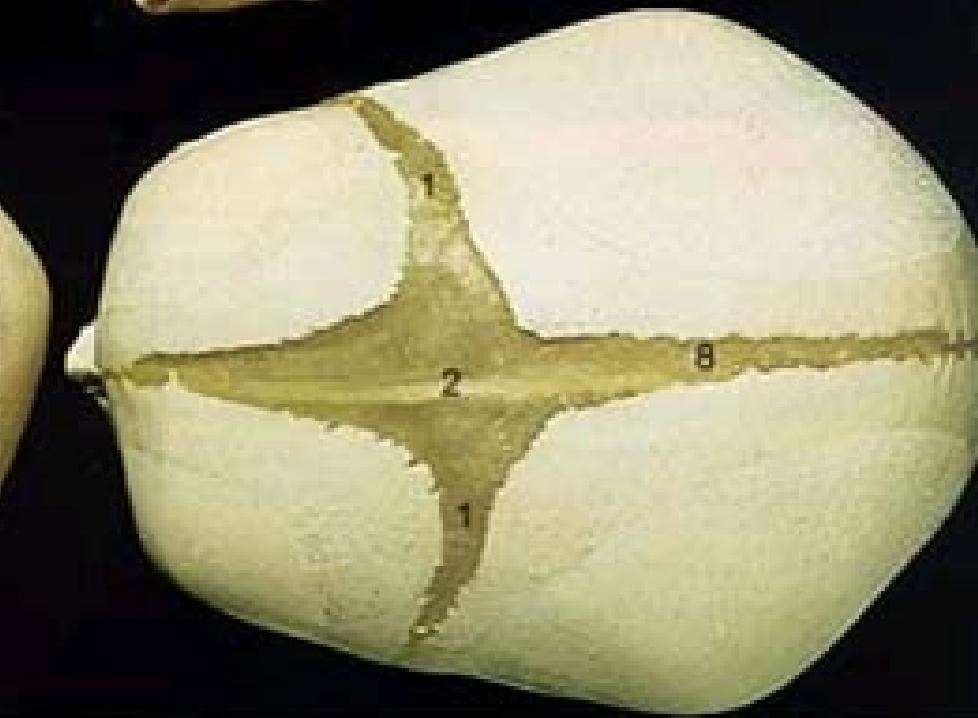


Mandible, lateral view, right side

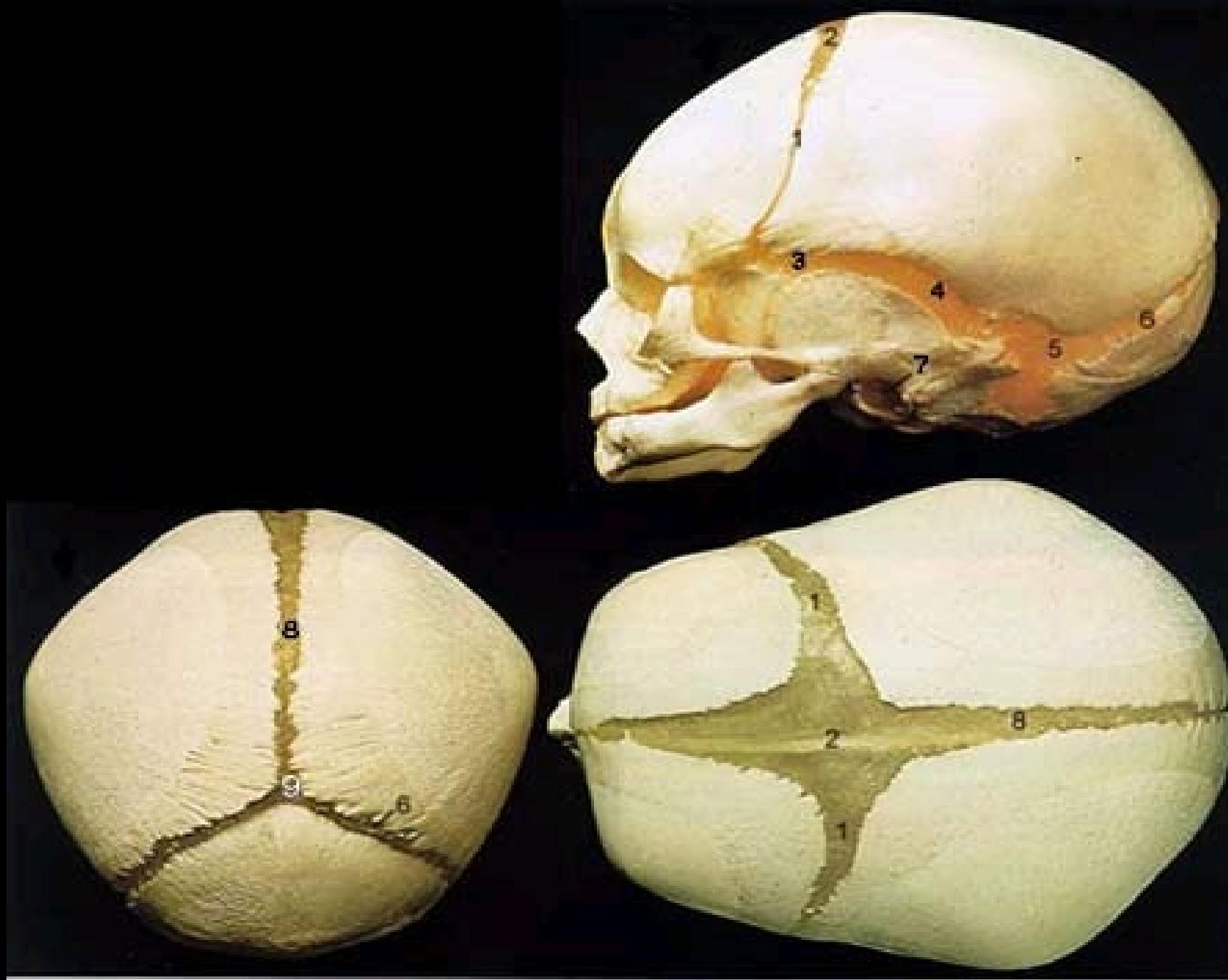


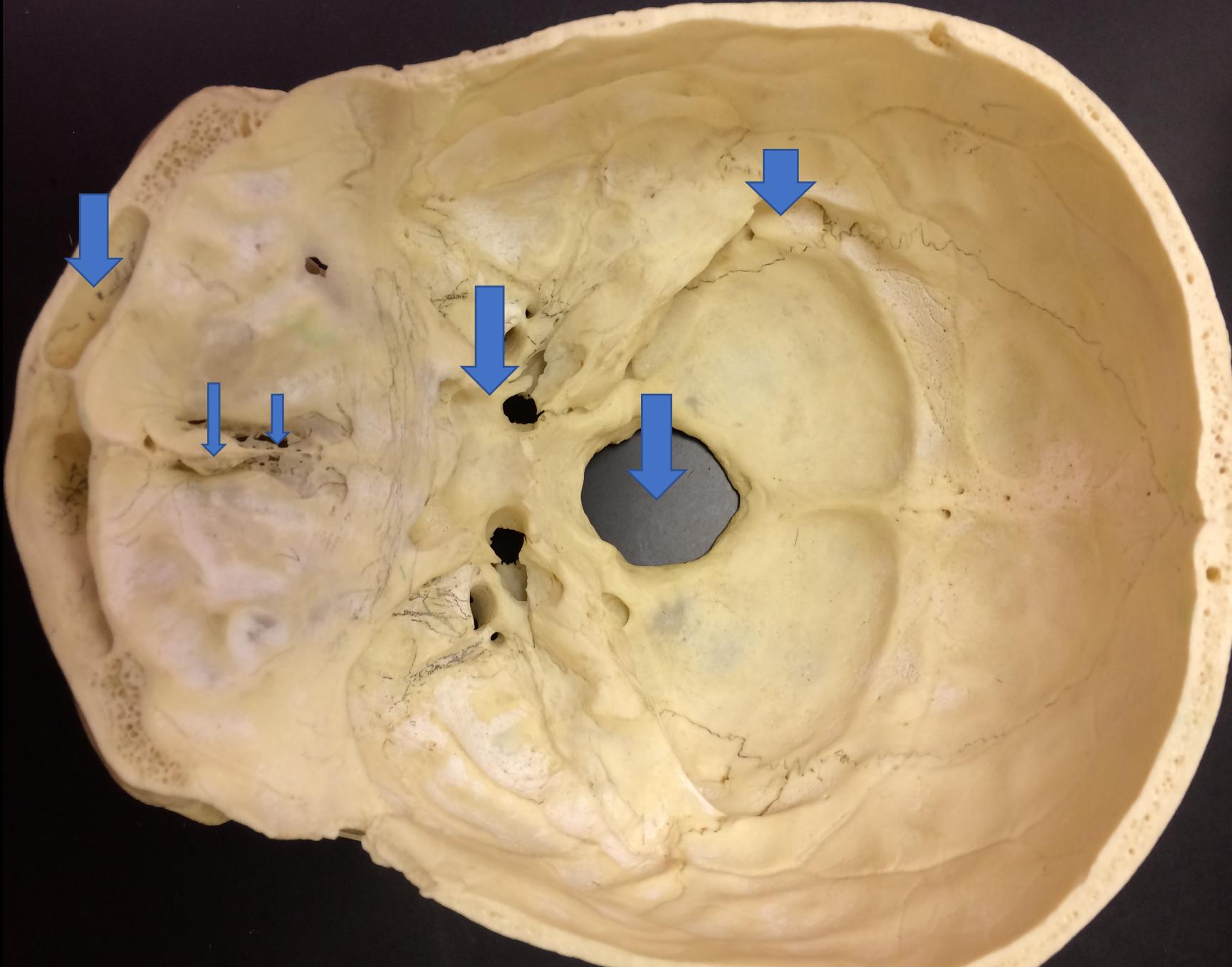
Mandible, posterior view

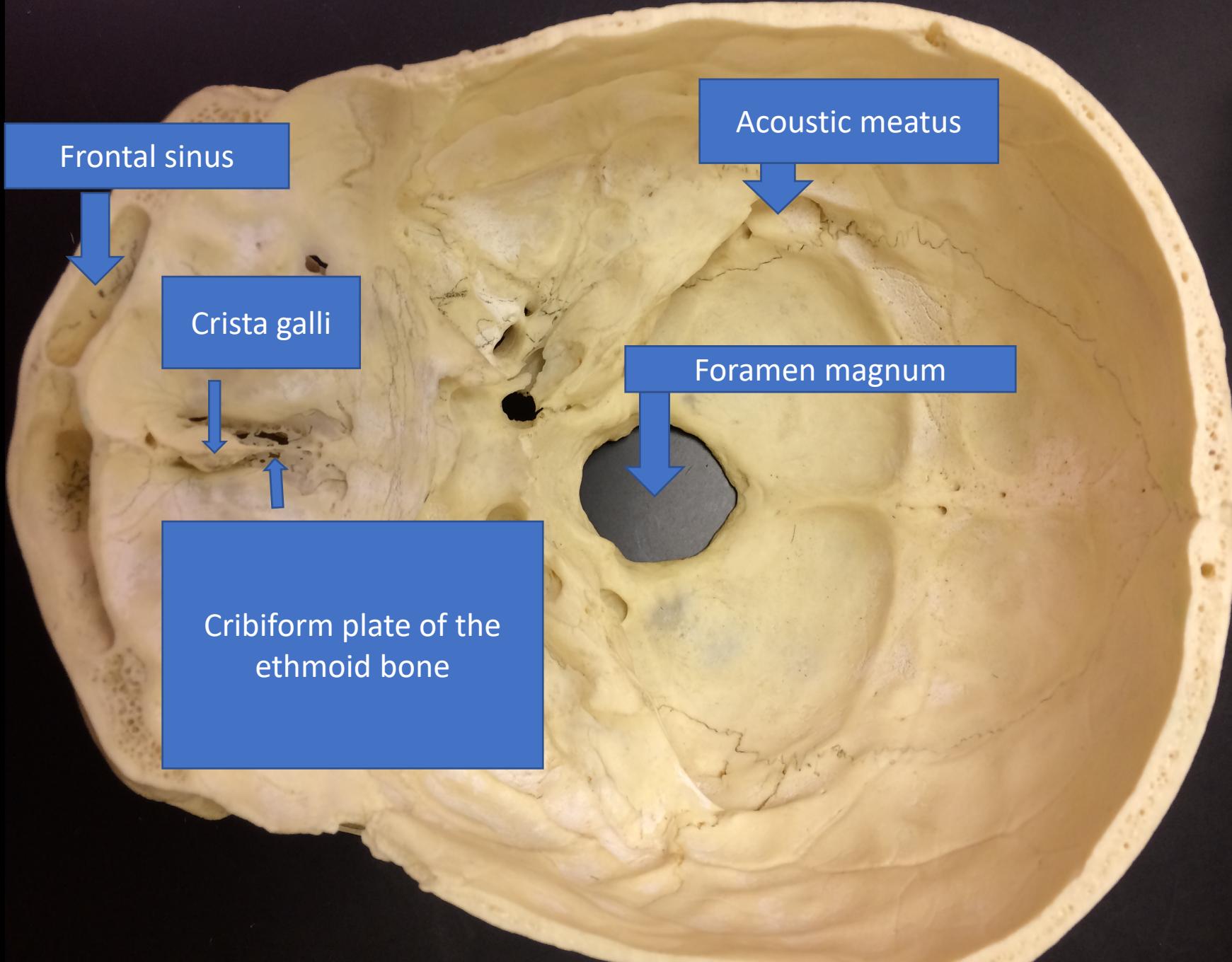


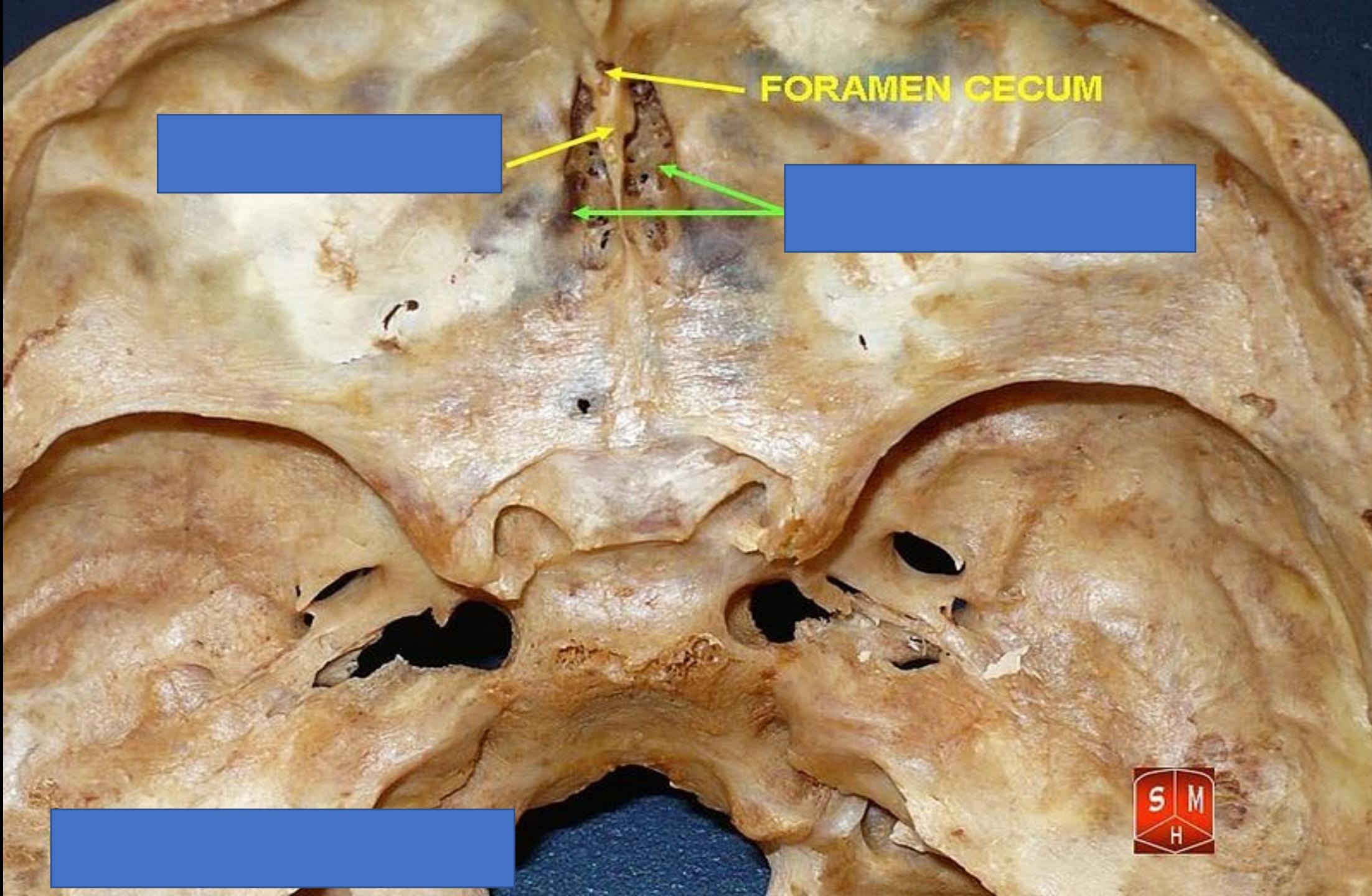


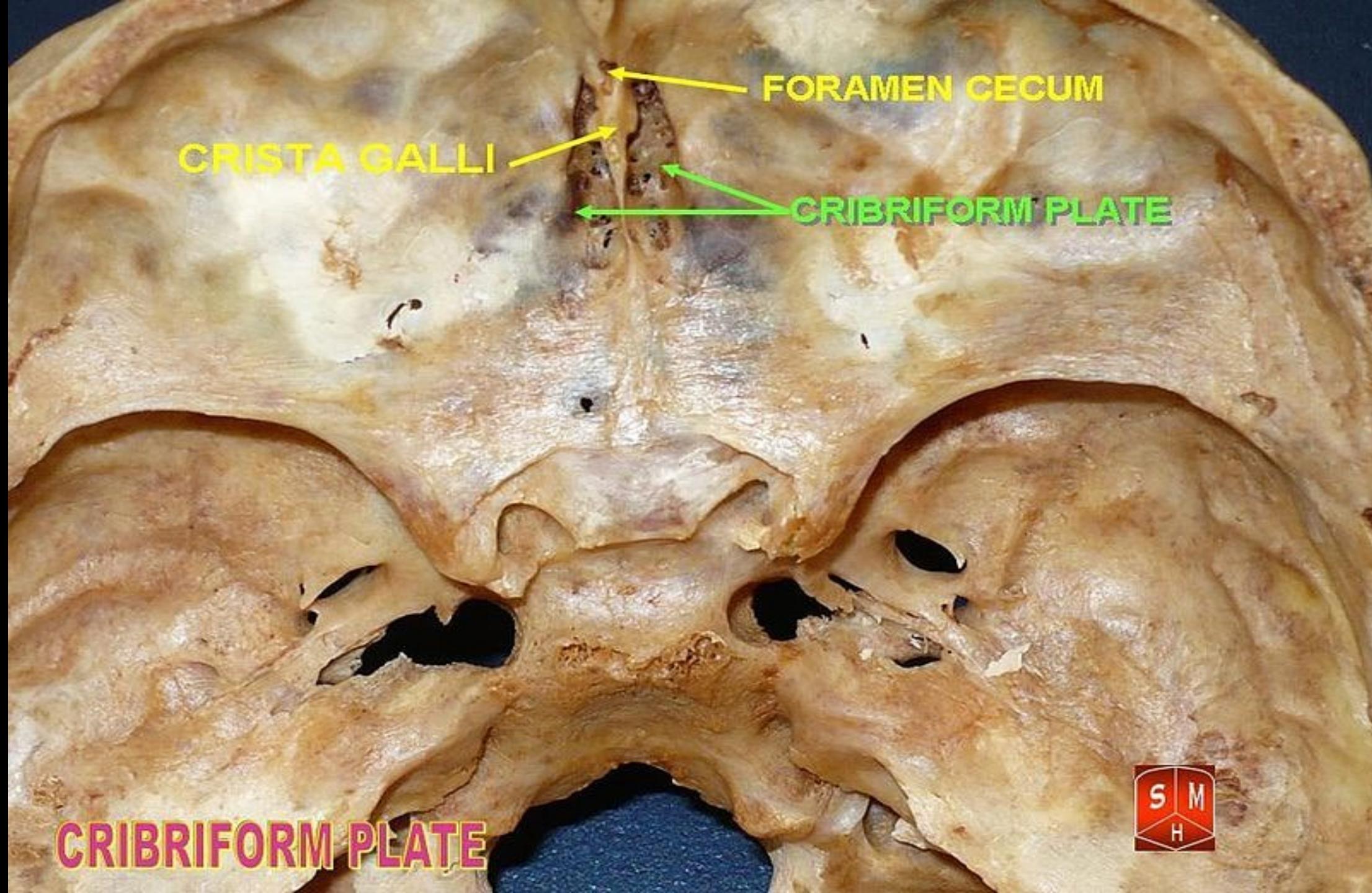
2. Anterior Fontanel

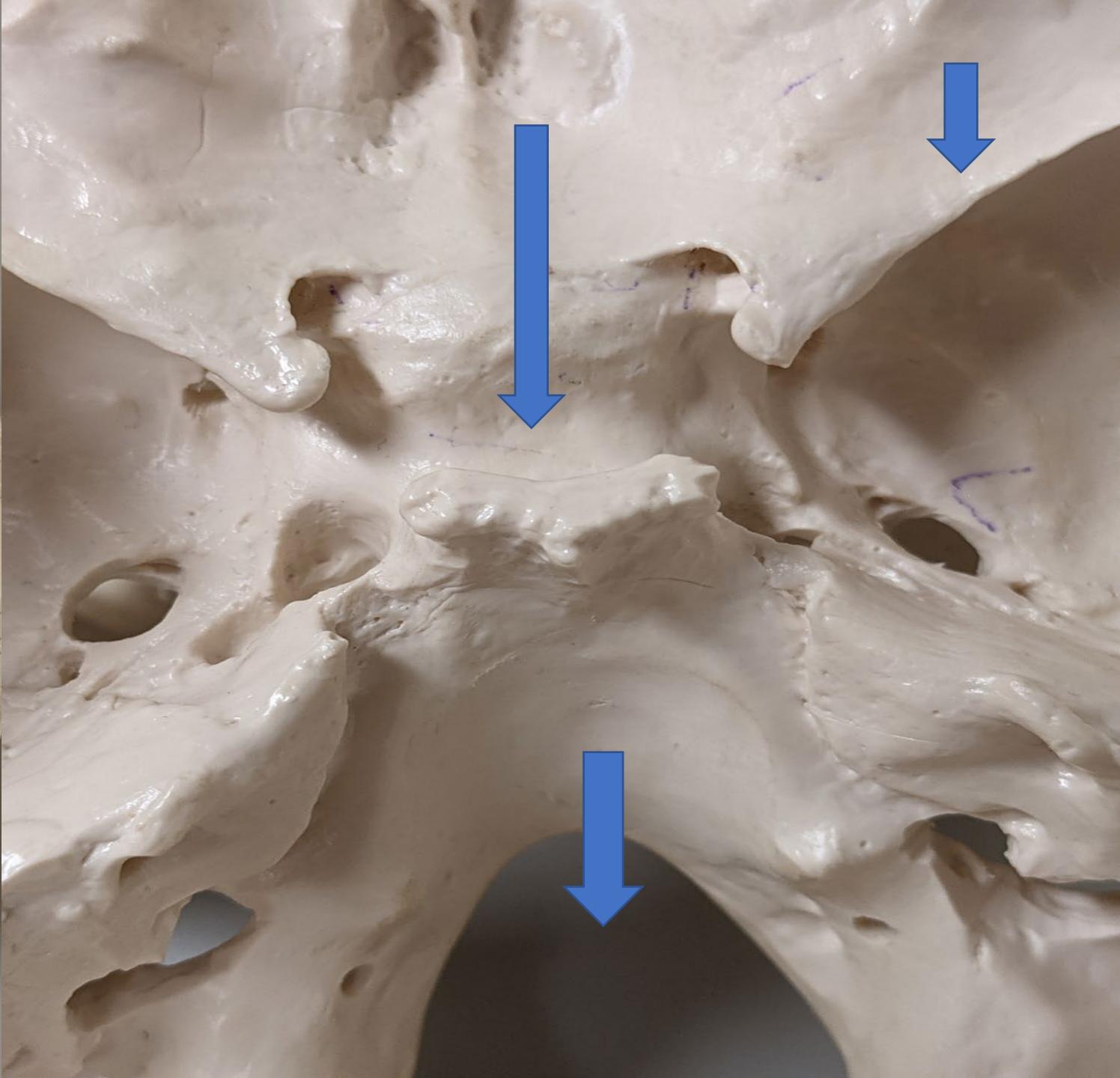
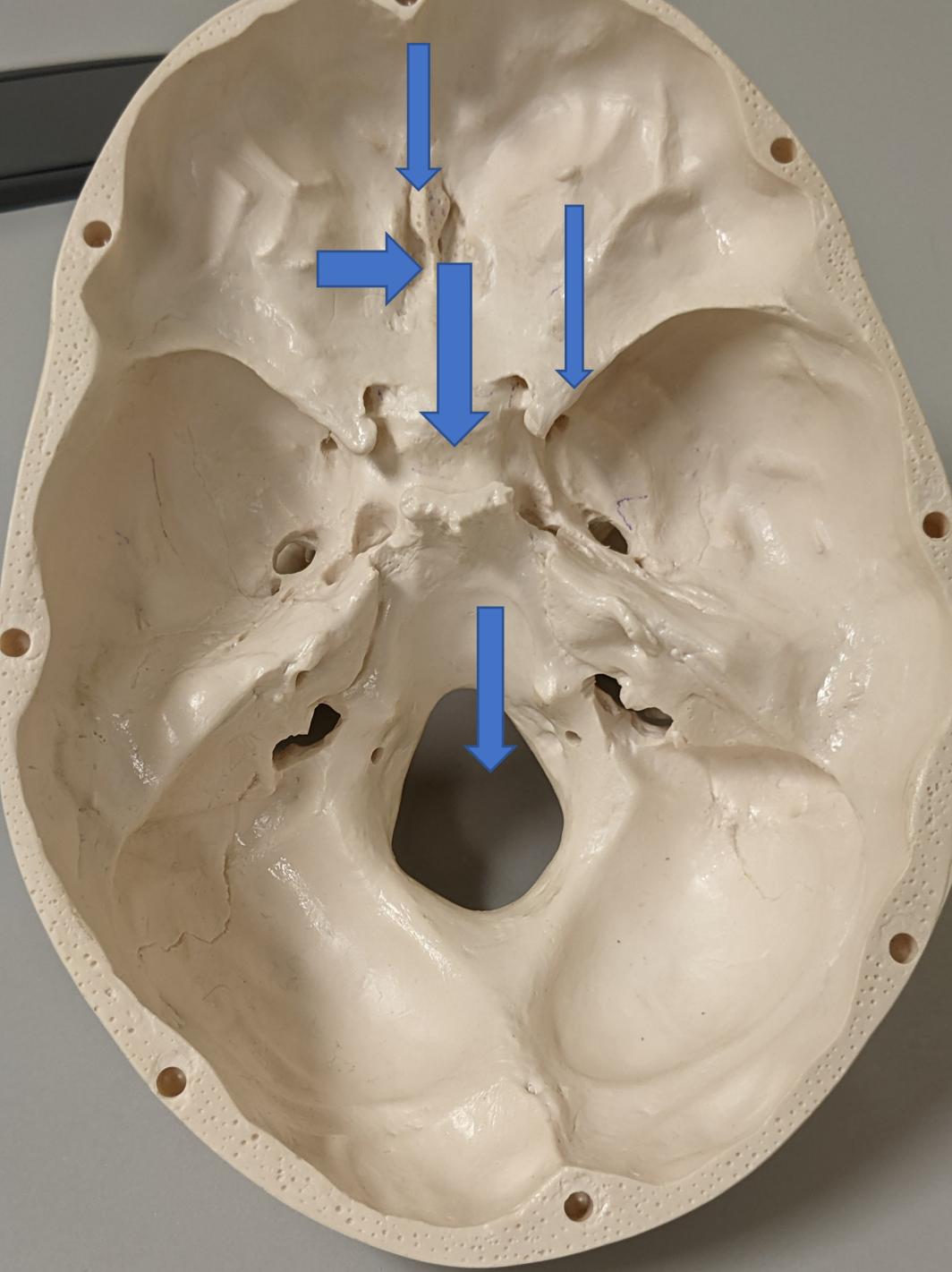


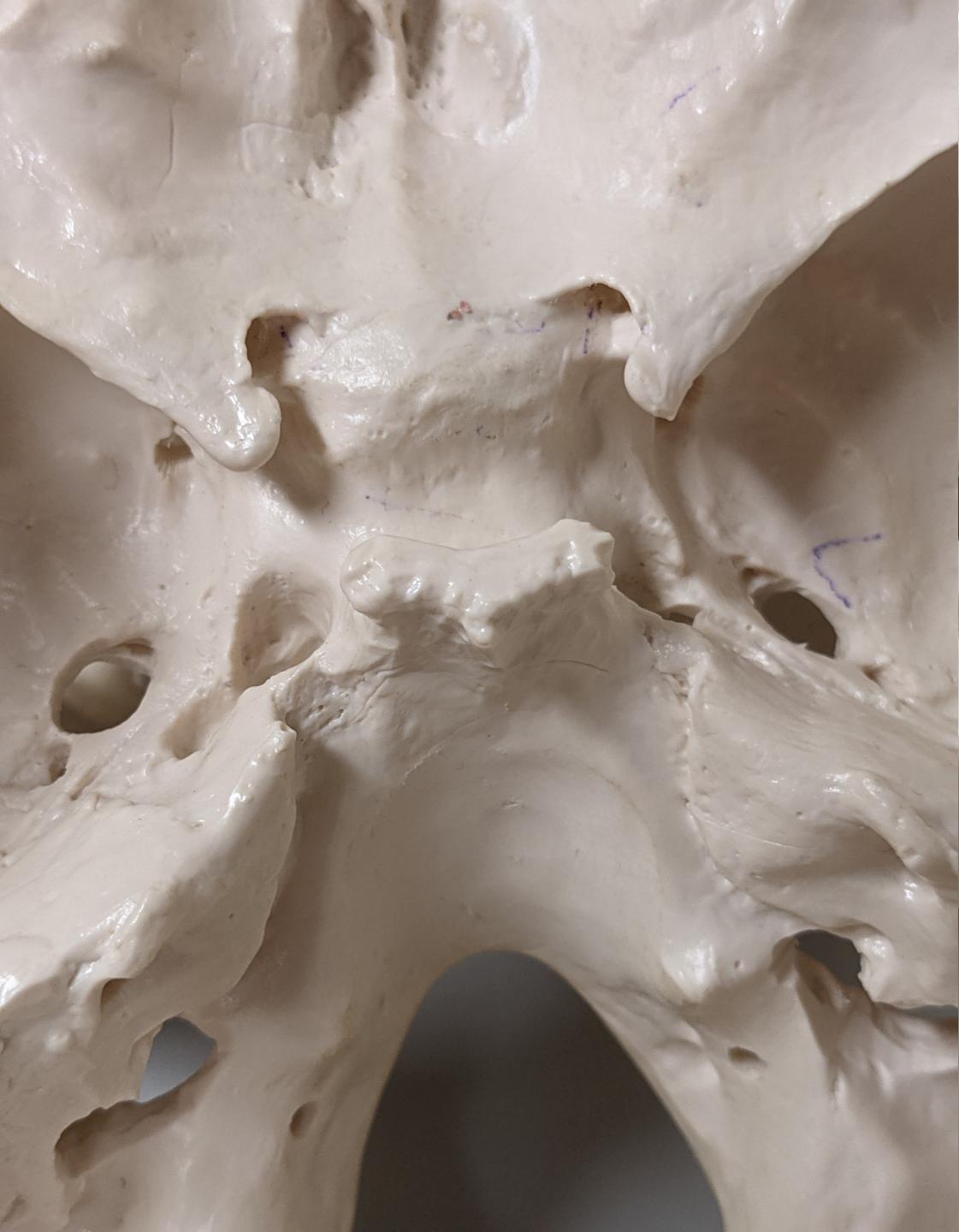


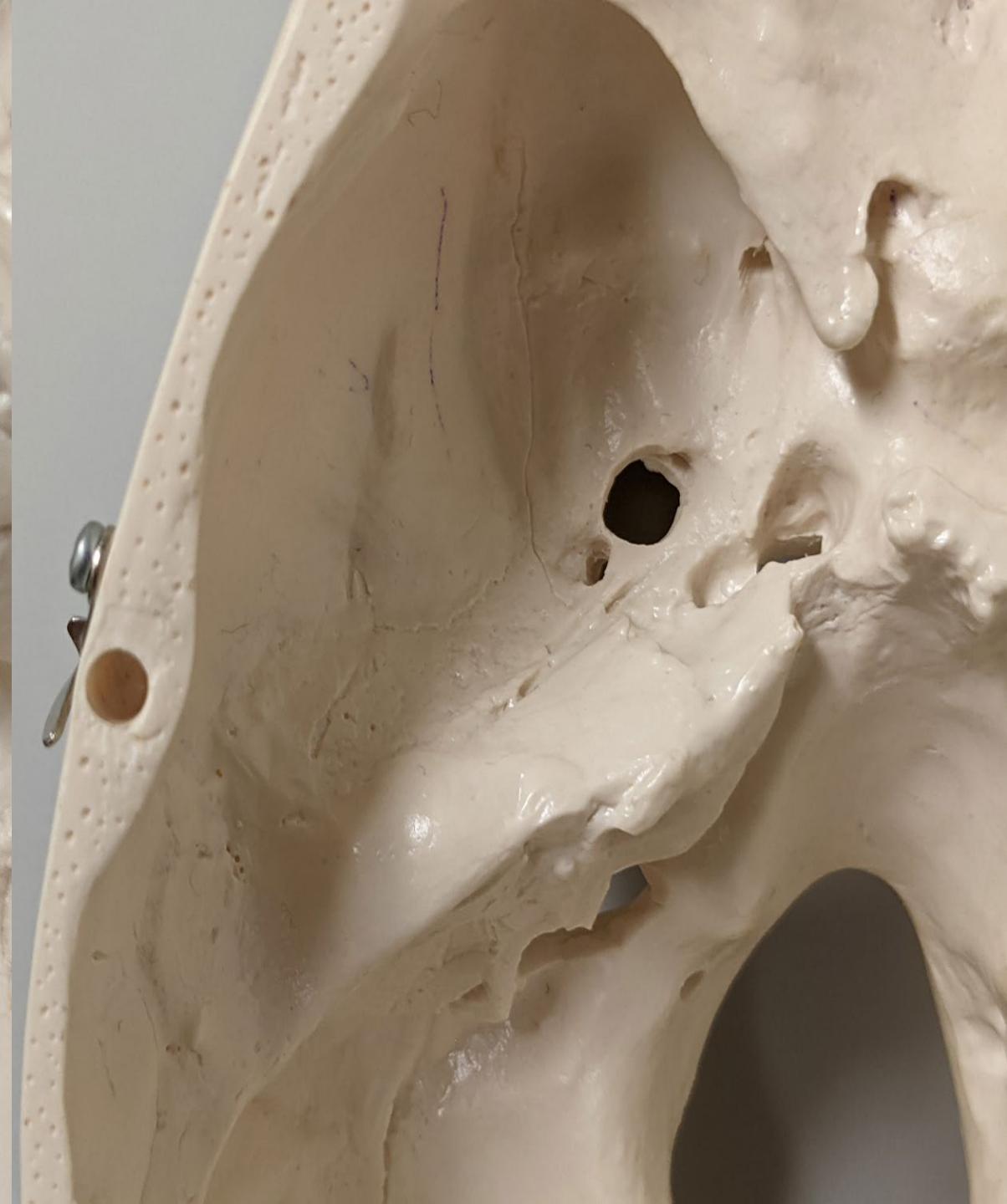


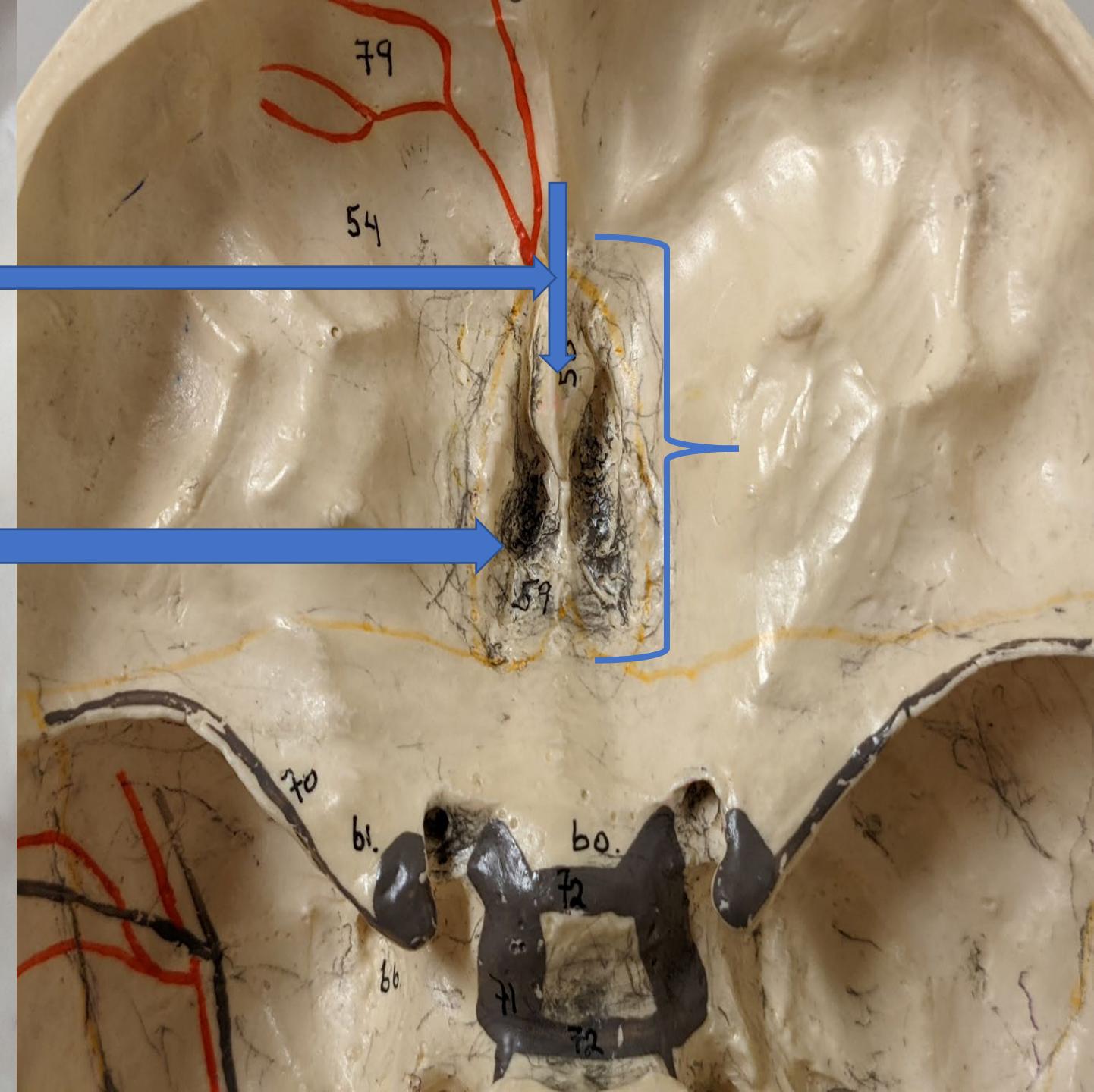




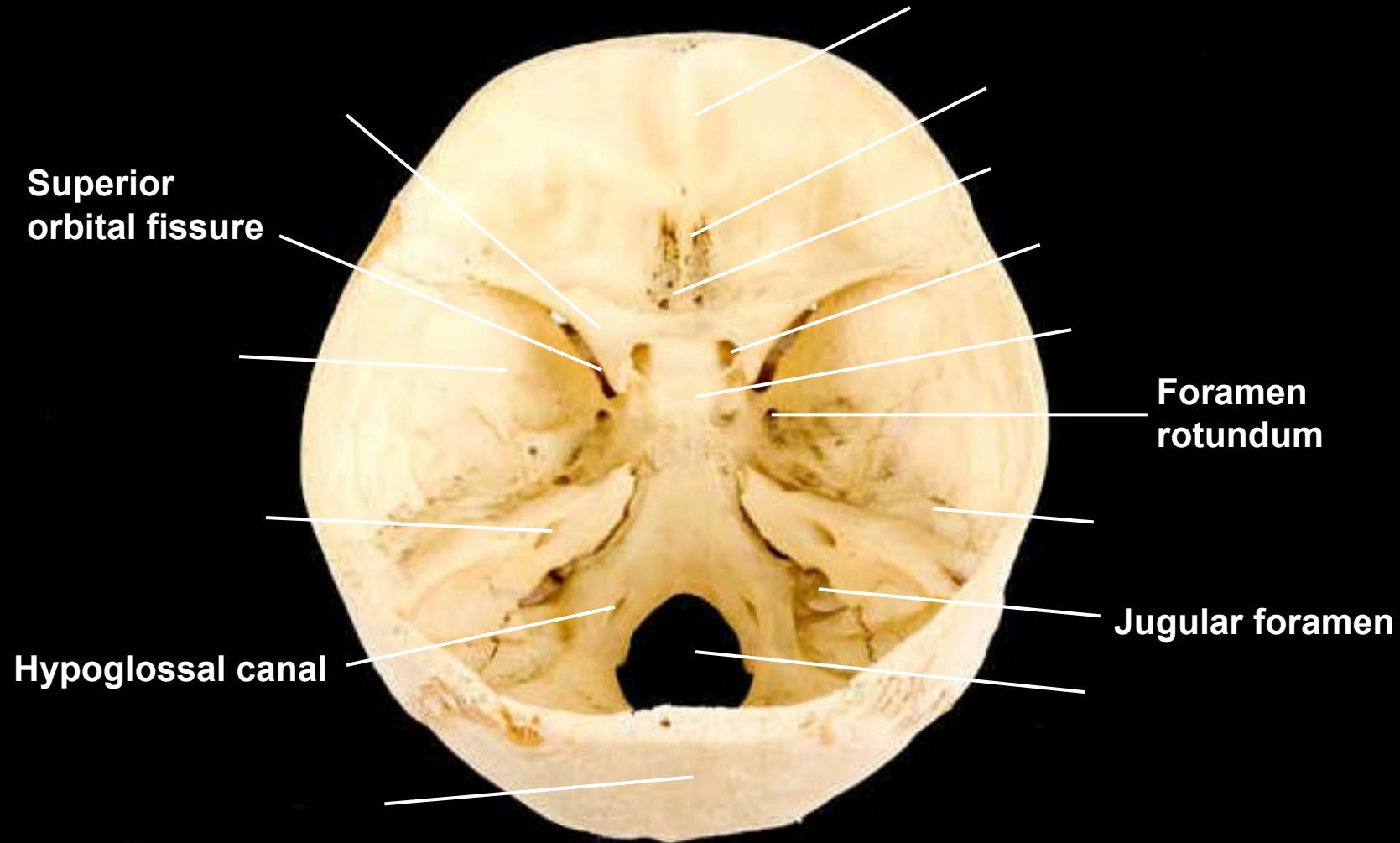




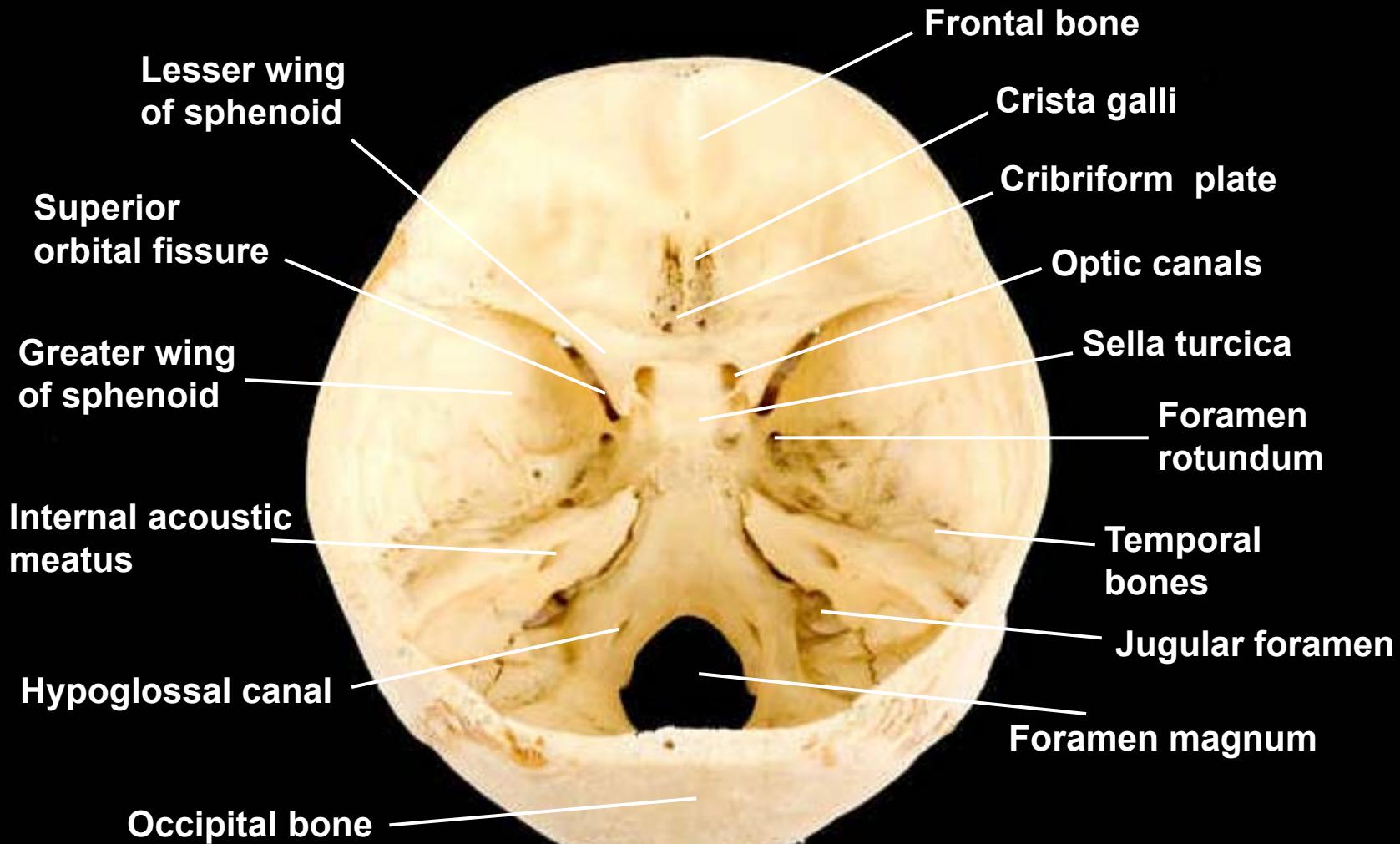




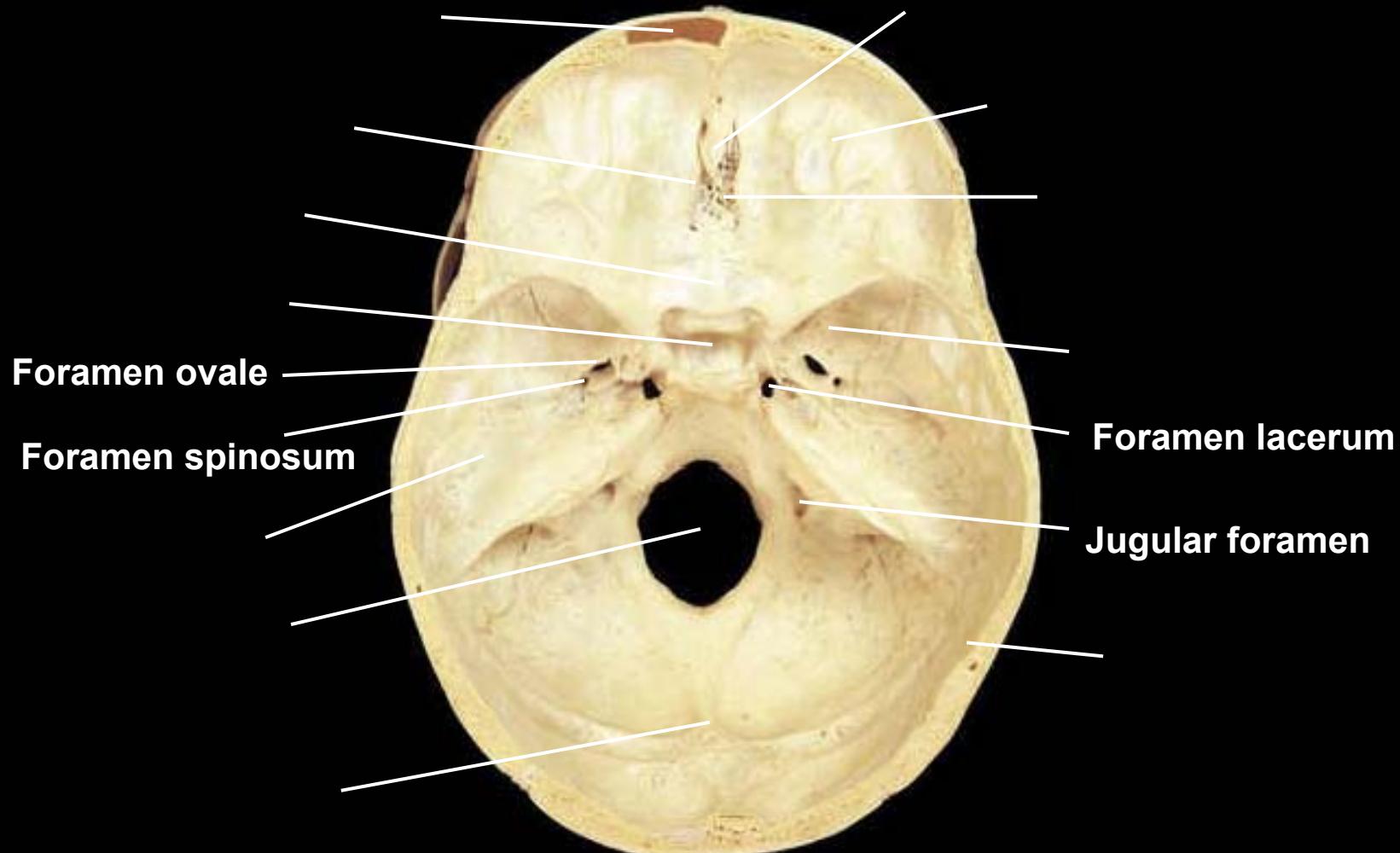
Skull, posterosuperior view of floor of cranial cavity



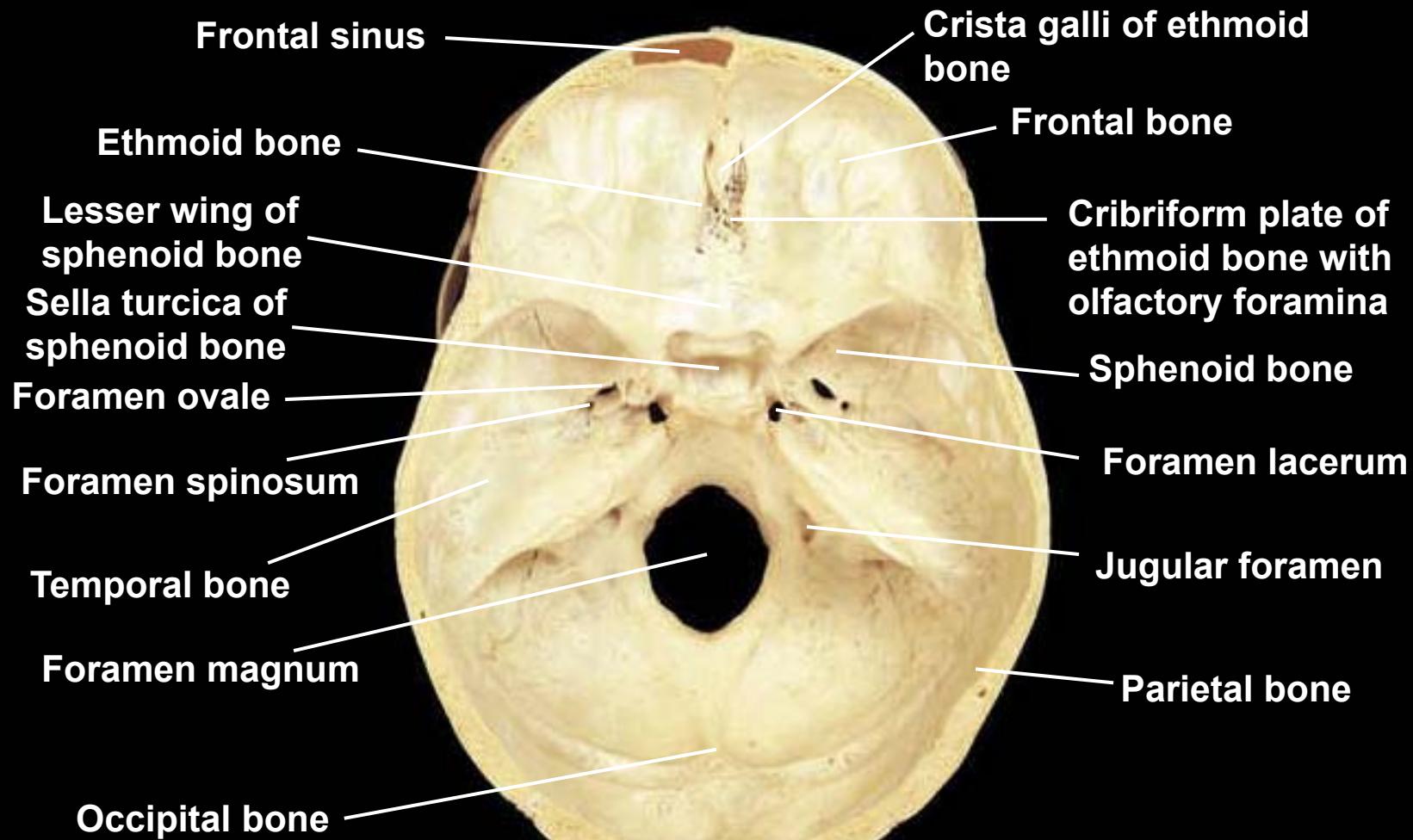
Skull, posterosuperior view of floor of cranial cavity



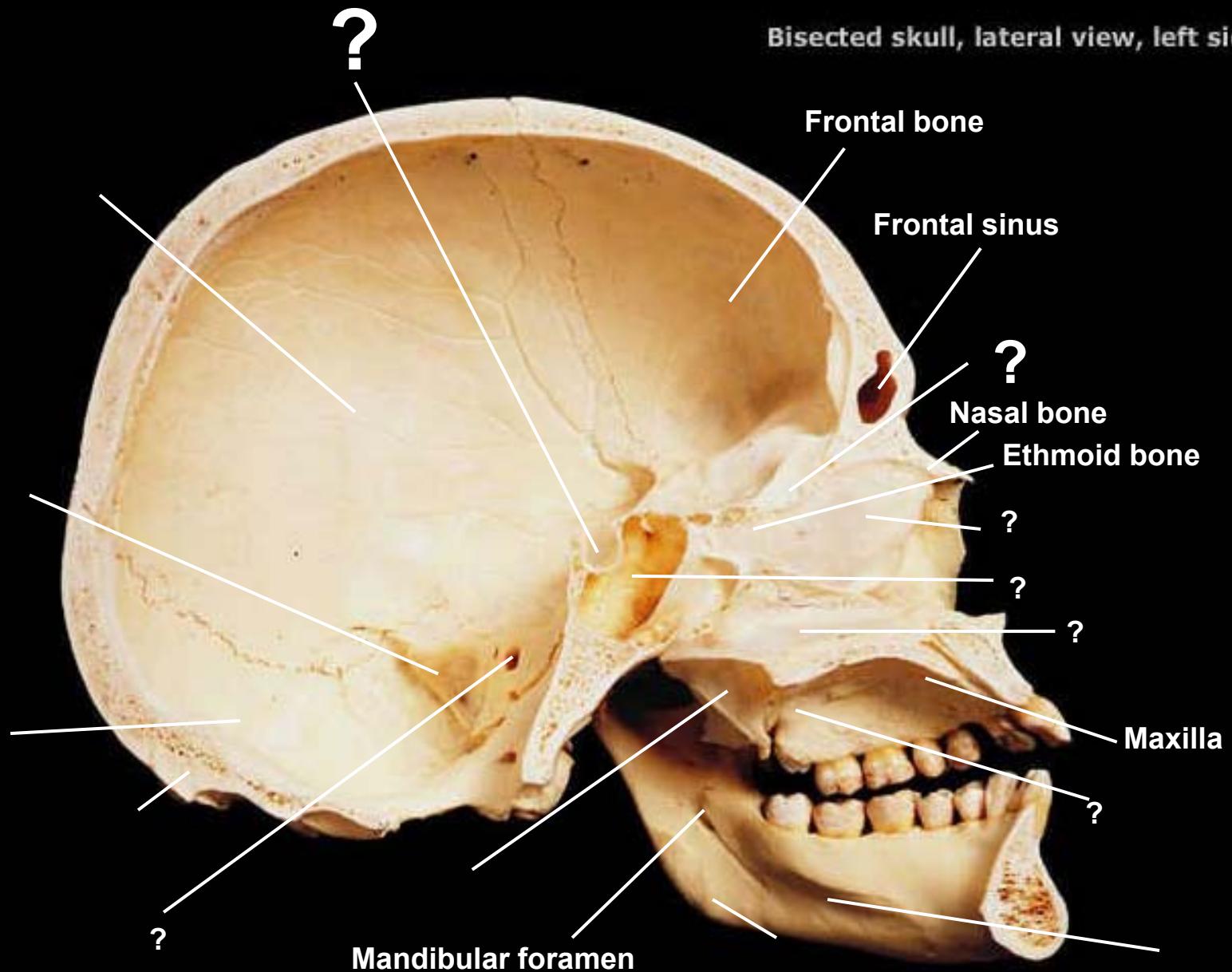
Skull, superior view of floor of cranial cavity



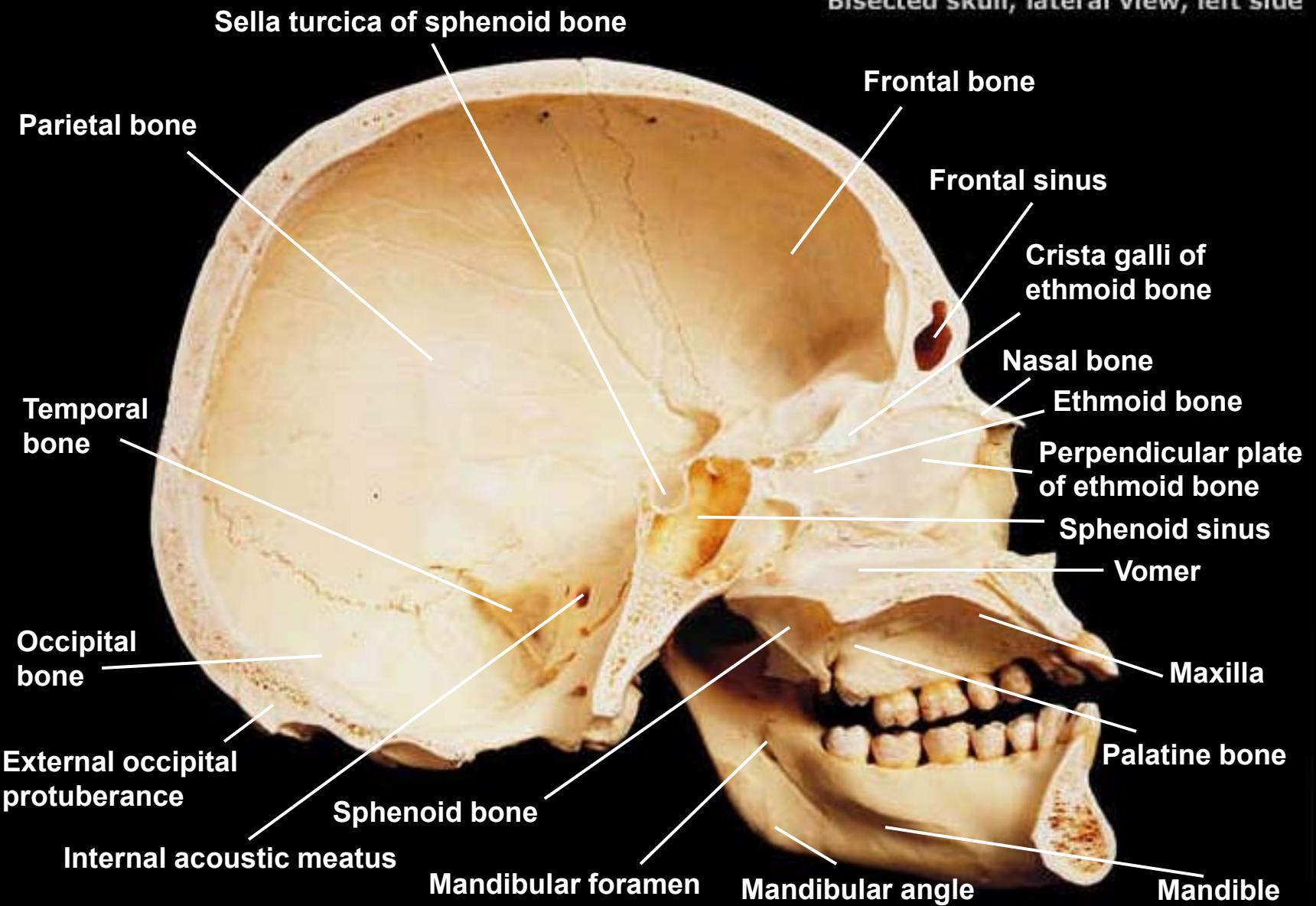
Skull, superior view of floor of cranial cavity



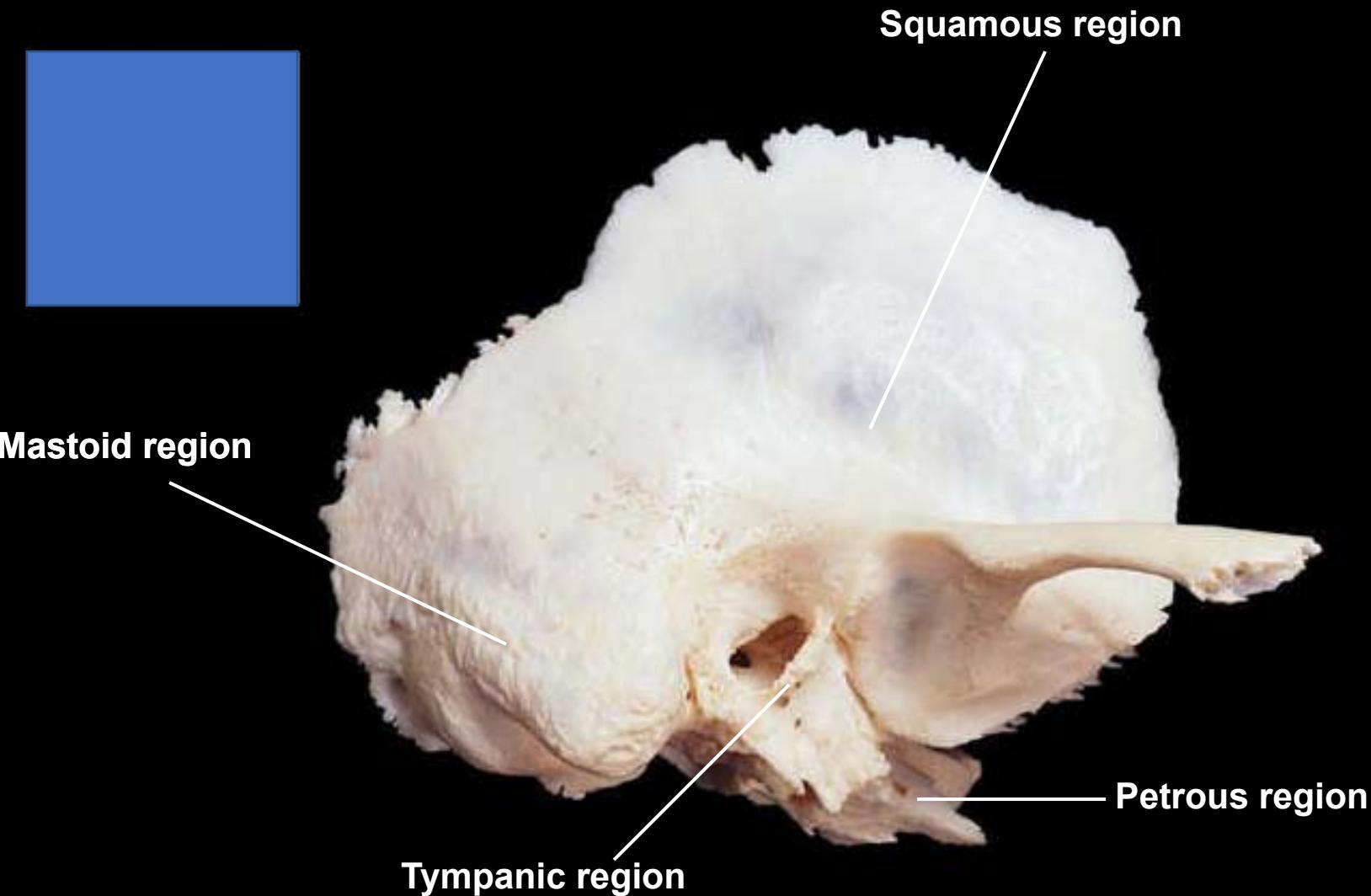
Bisected skull, lateral view, left side



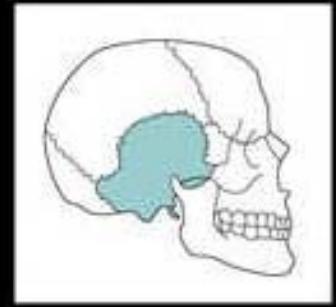
Bisected skull, lateral view, left side



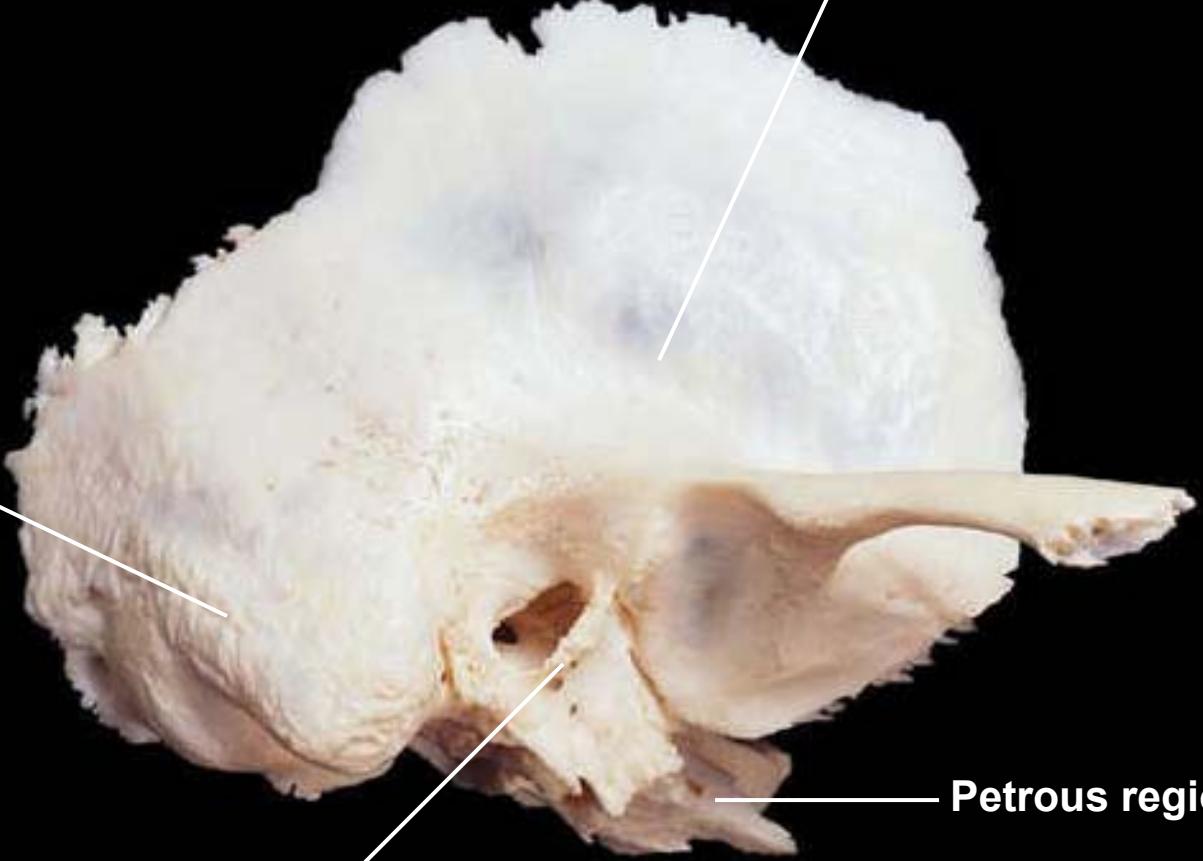
What bone is this one?



Temporal, lateral view, right side



Mastoid region

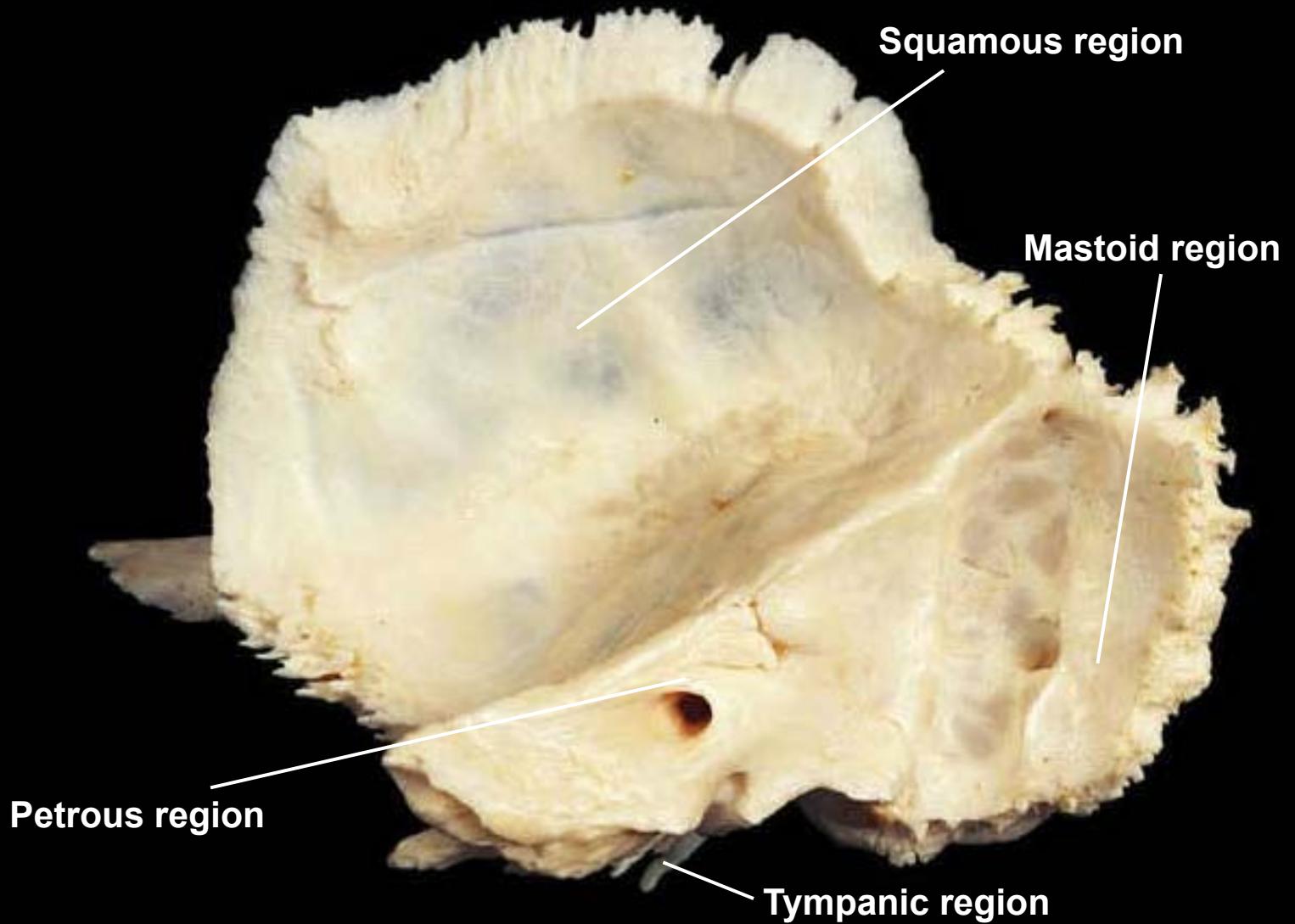


Tympanic region

Petrosus region

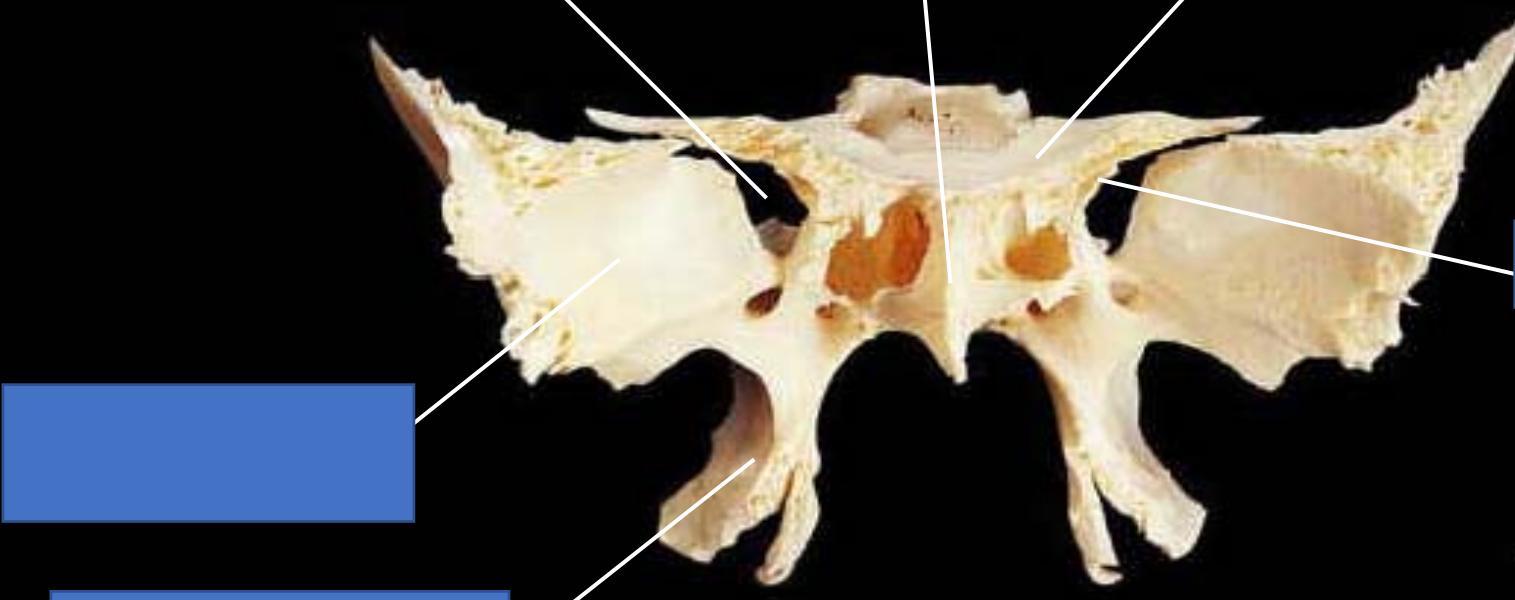
Squamous region

Temporal, medial view, right side

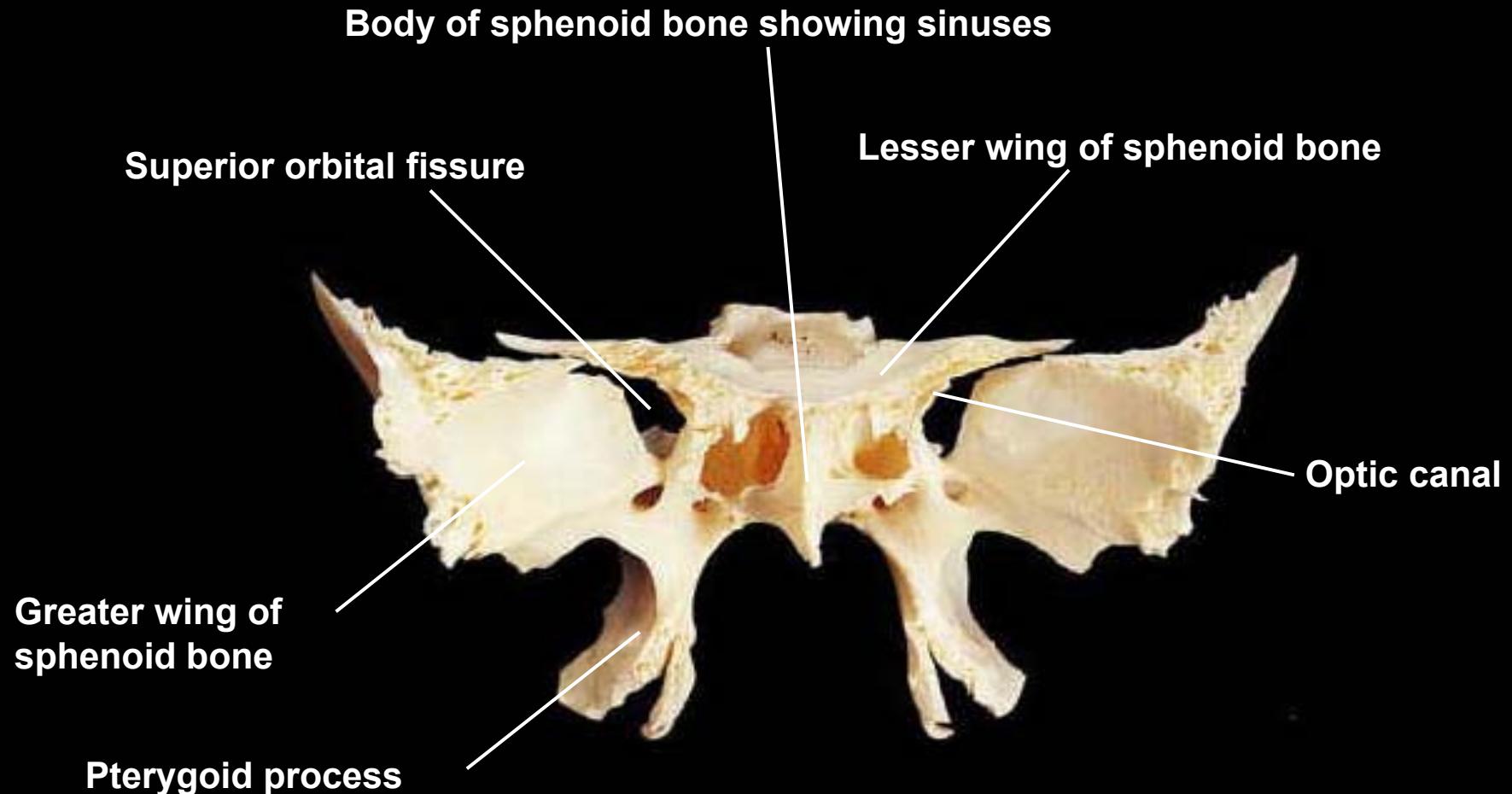


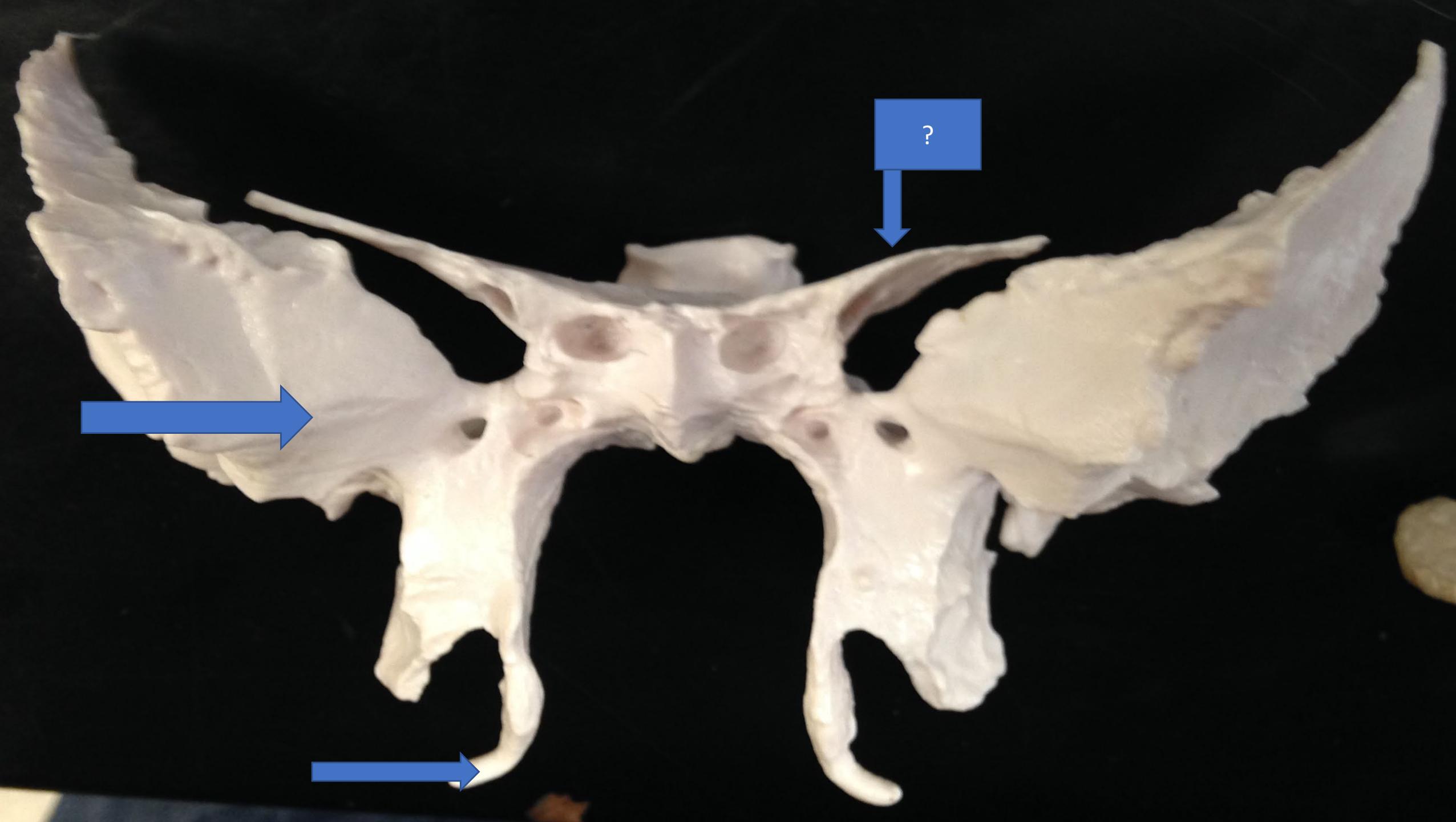
Body of sphenoid bone showing sinuses

Superior orbital fissure

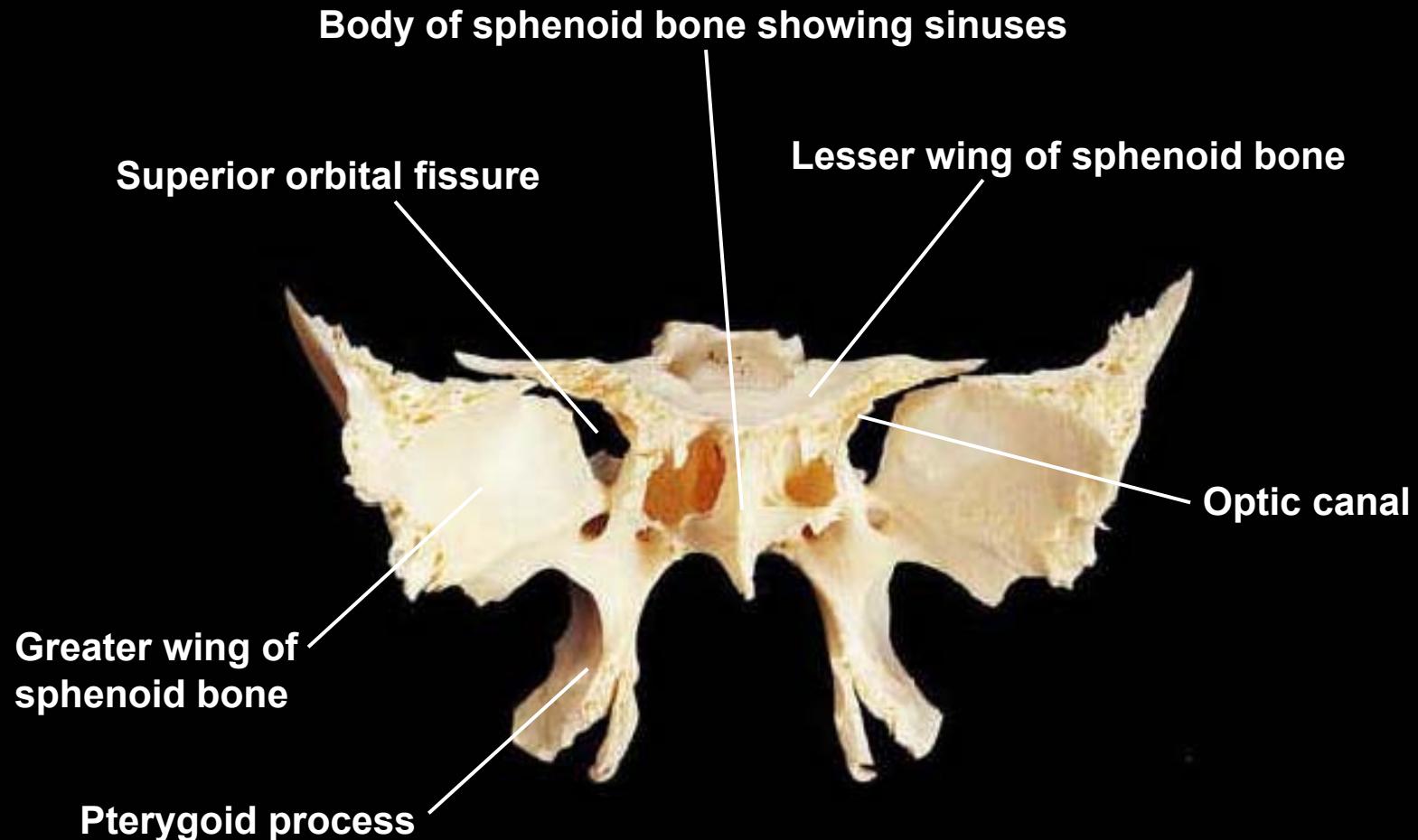


Sphenoid, anterior view

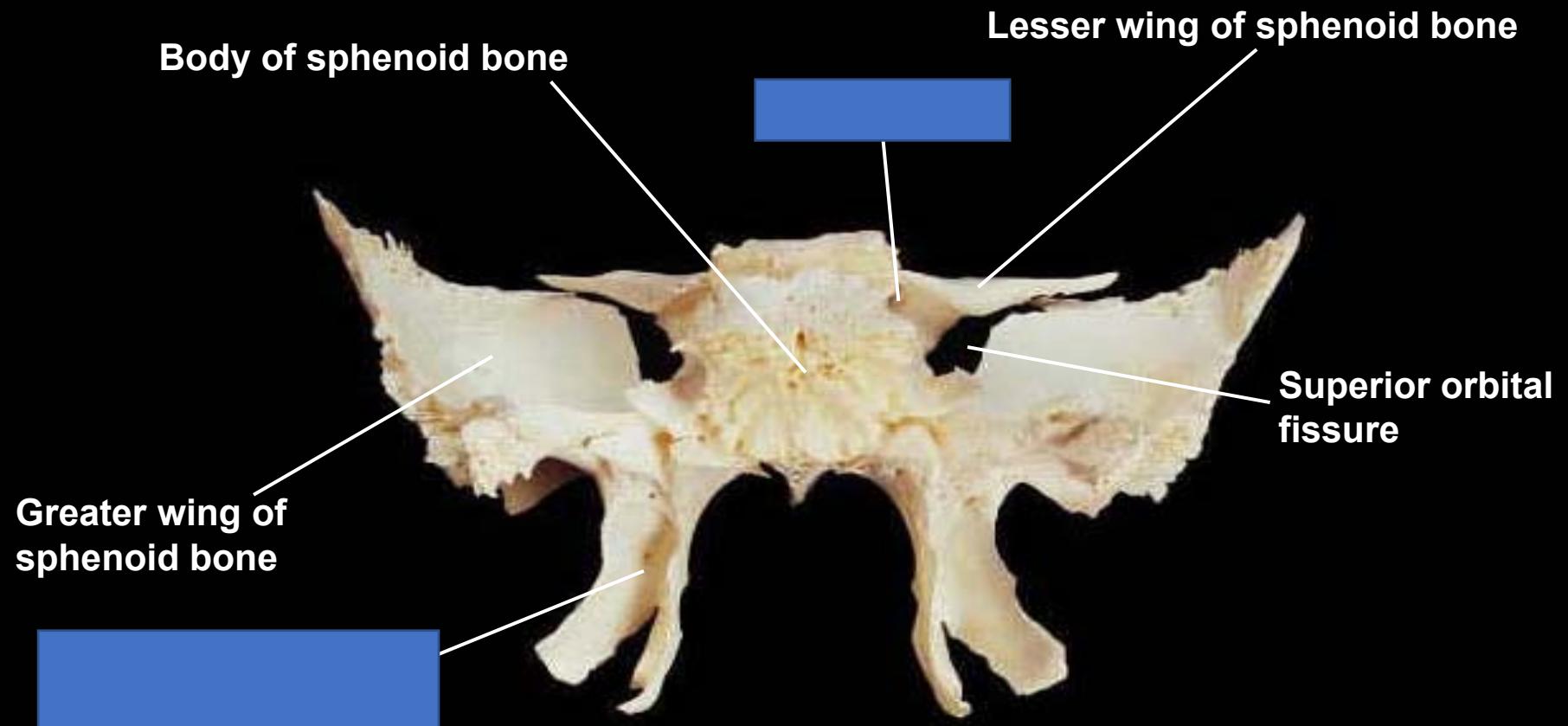




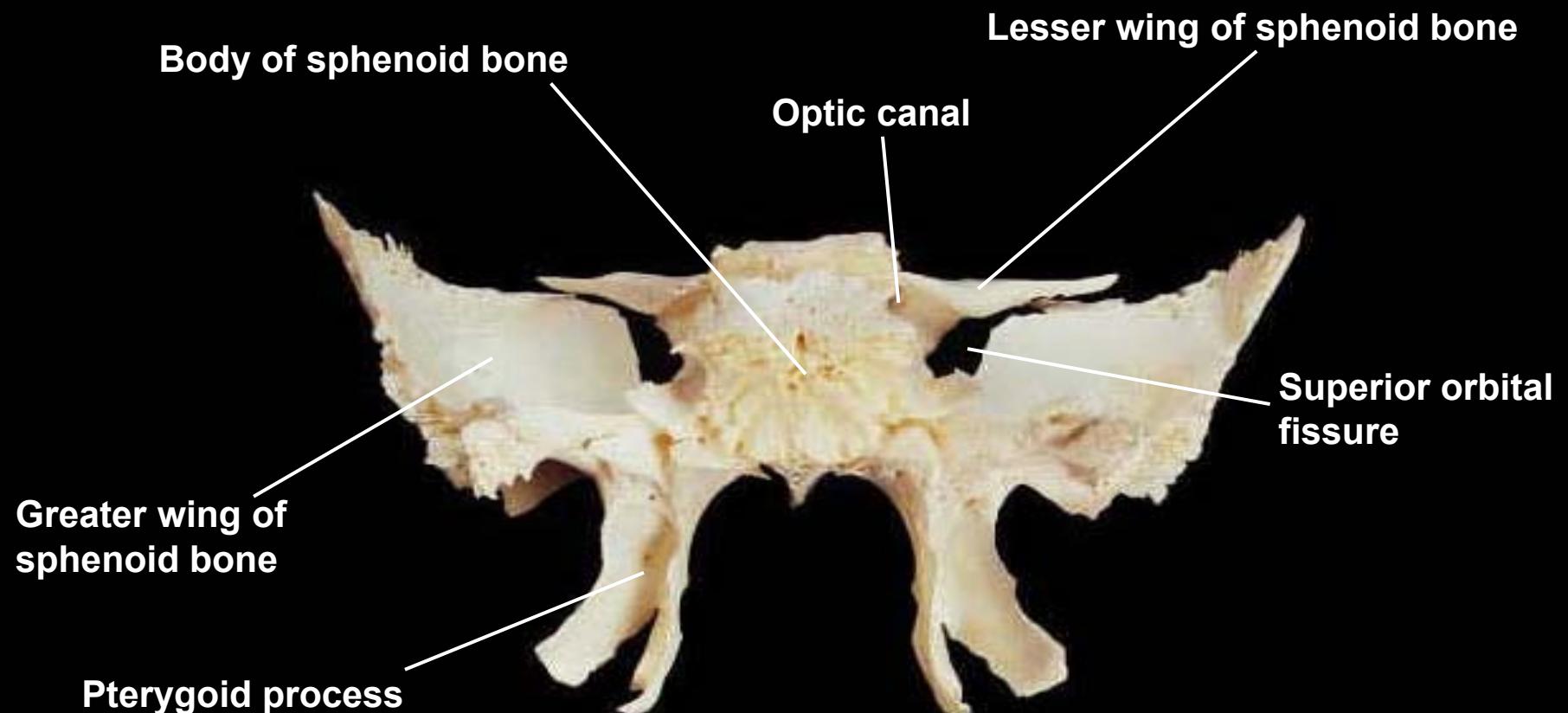
Sphenoid, anterior view



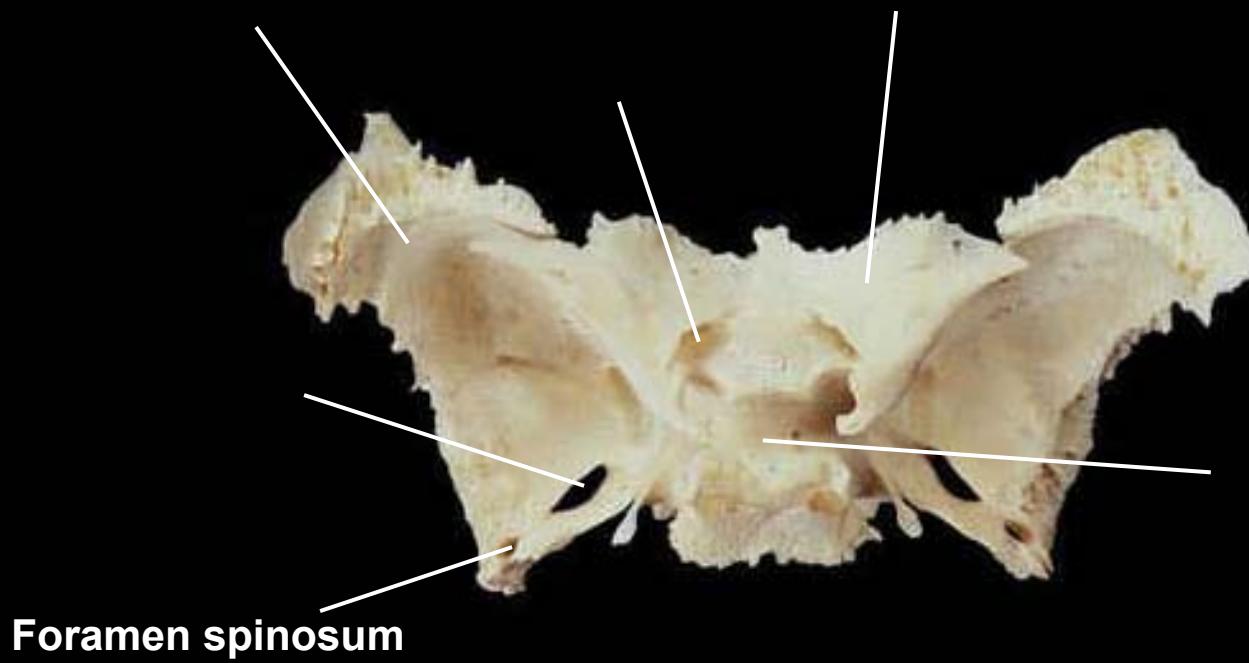
Sphenoid, posterior view



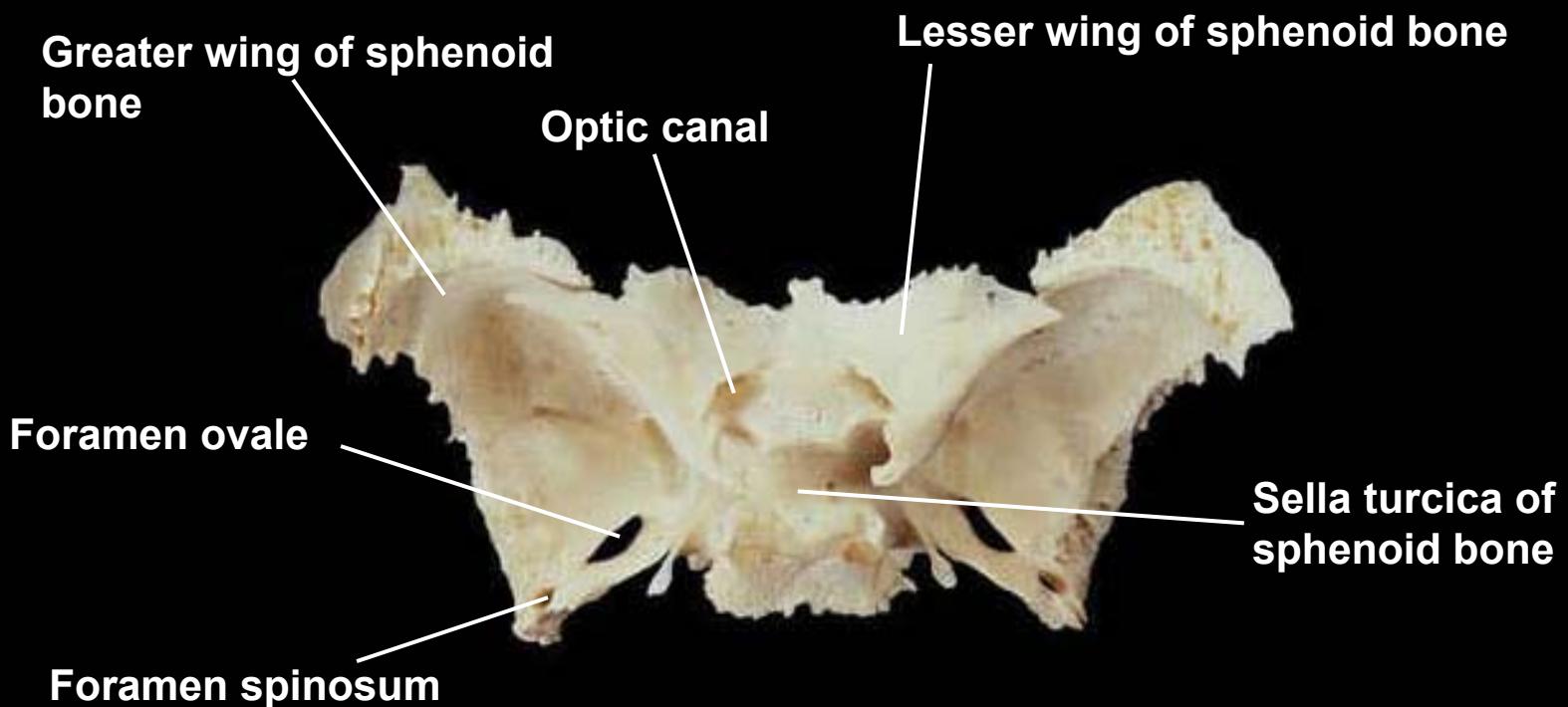
Sphenoid, posterior view



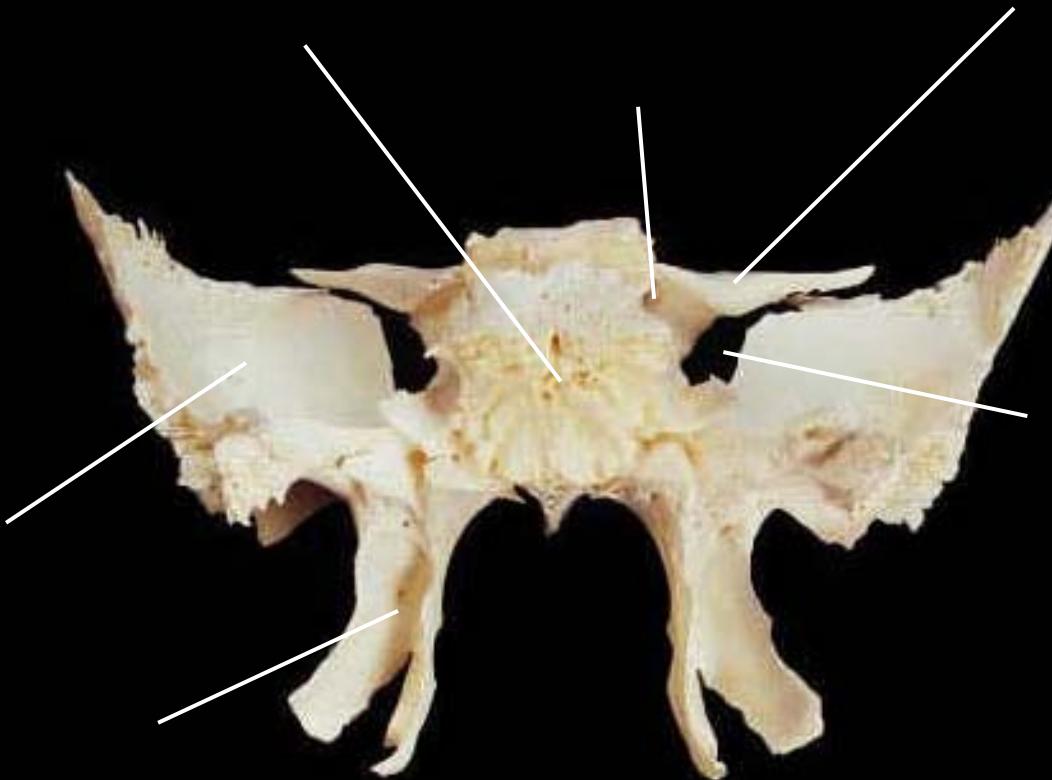
Sphenoid, superior view



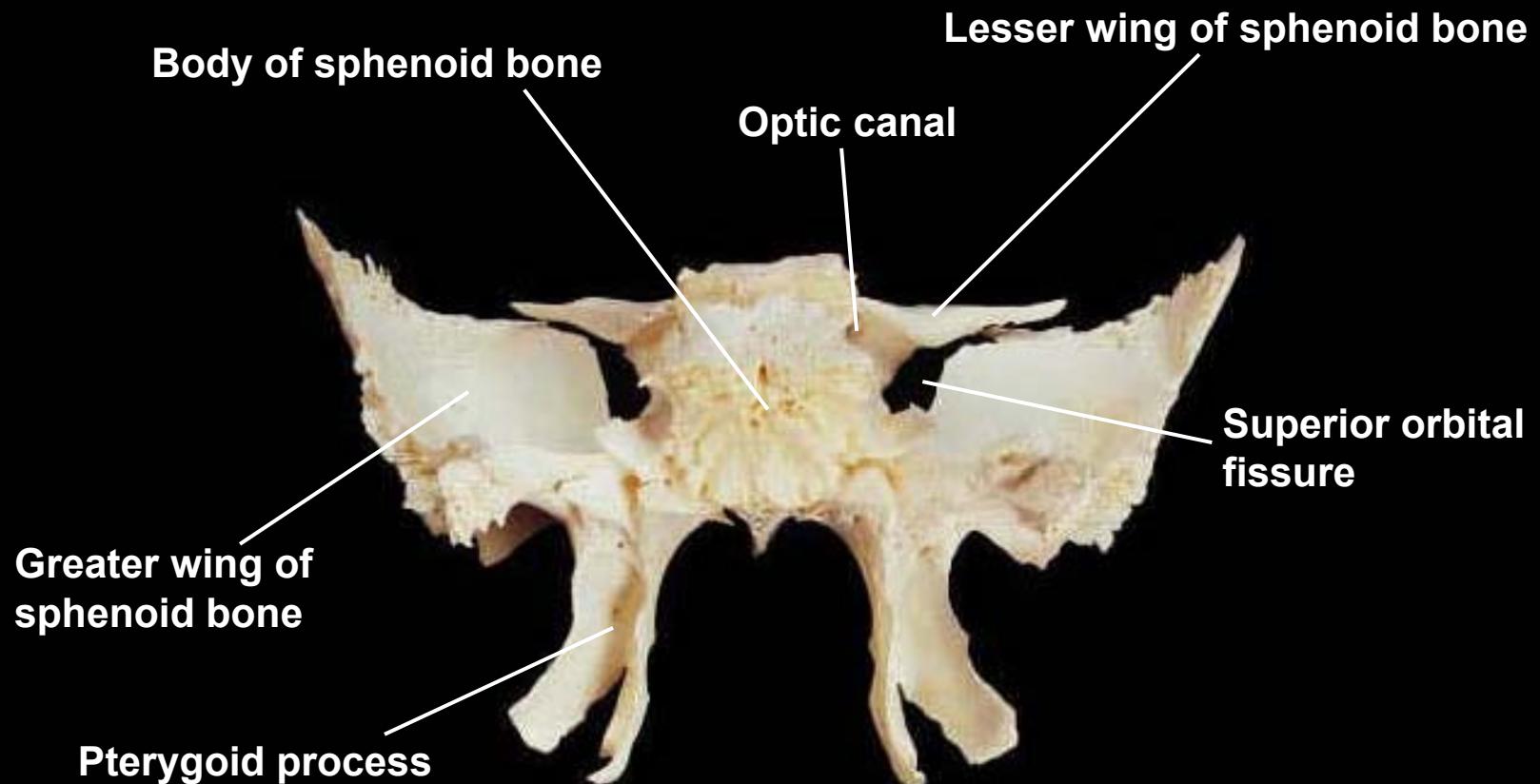
Sphenoid, superior view

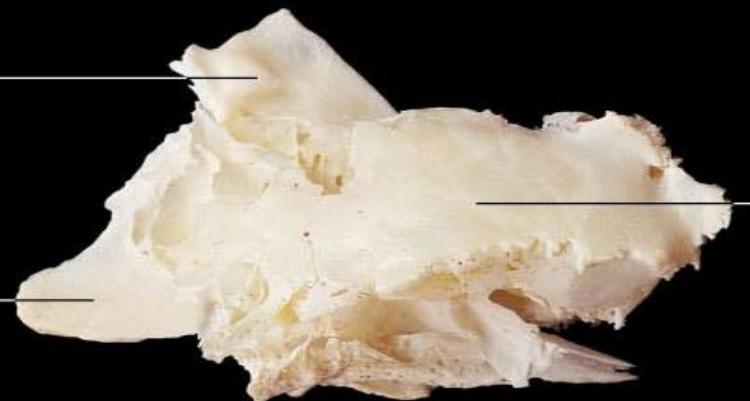
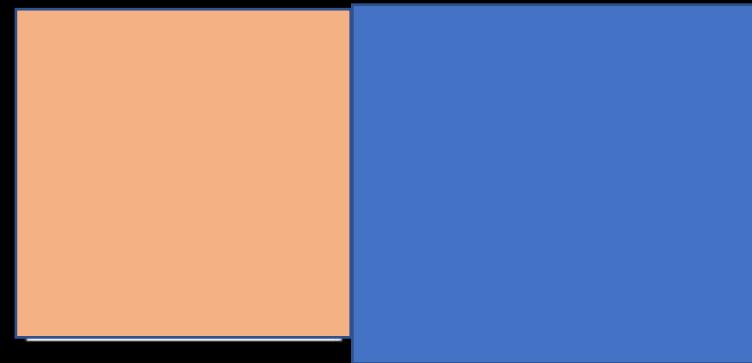


Sphenoid, posterior view



Sphenoid, posterior view

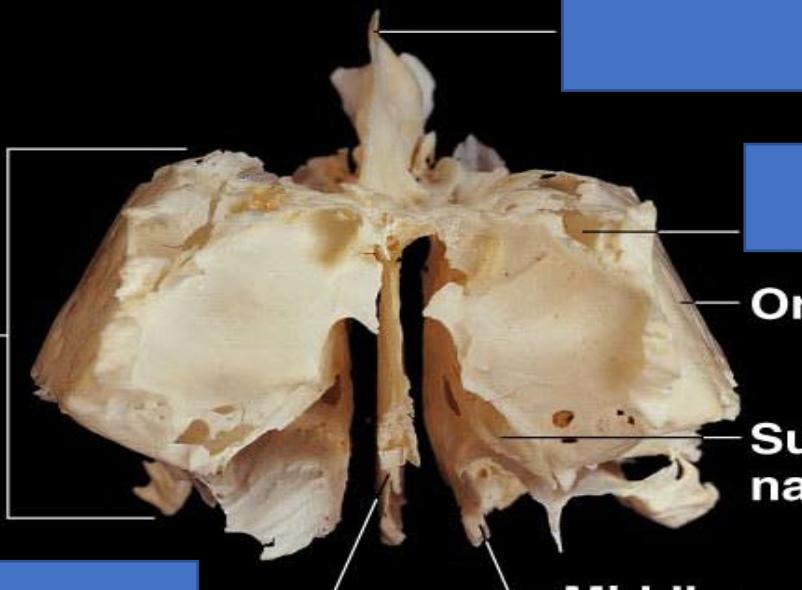




Orbital plate

(a) left lateral surface

Left lateral mass

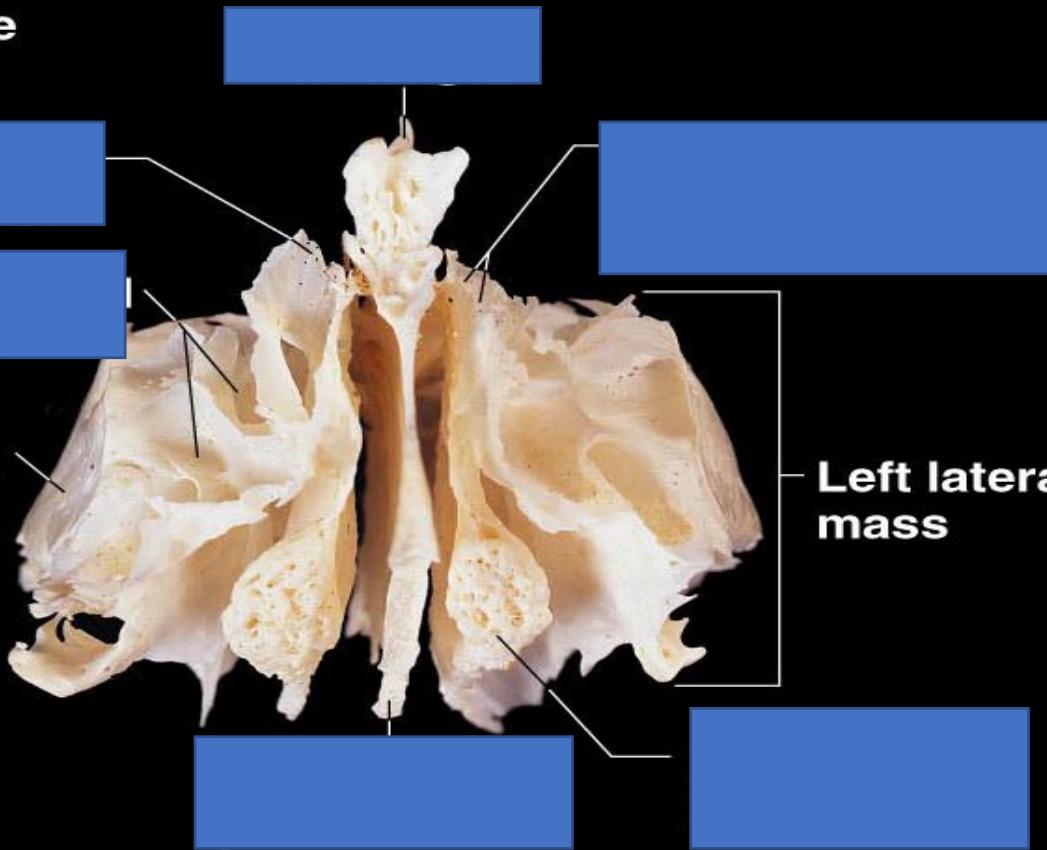


Orbital plate

Superior nasal concha

Middle nasal concha

(b) posterior view



Orbital plate

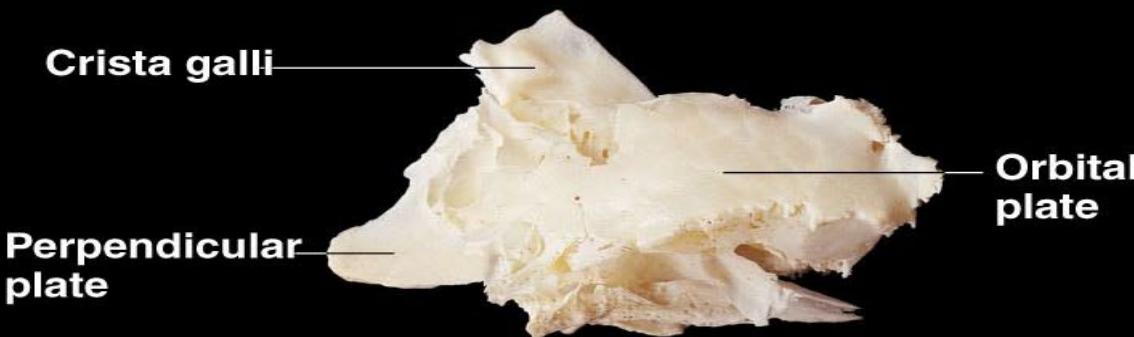
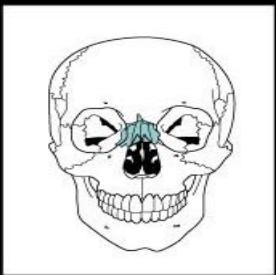
Left lateral mass

(c) anterior view

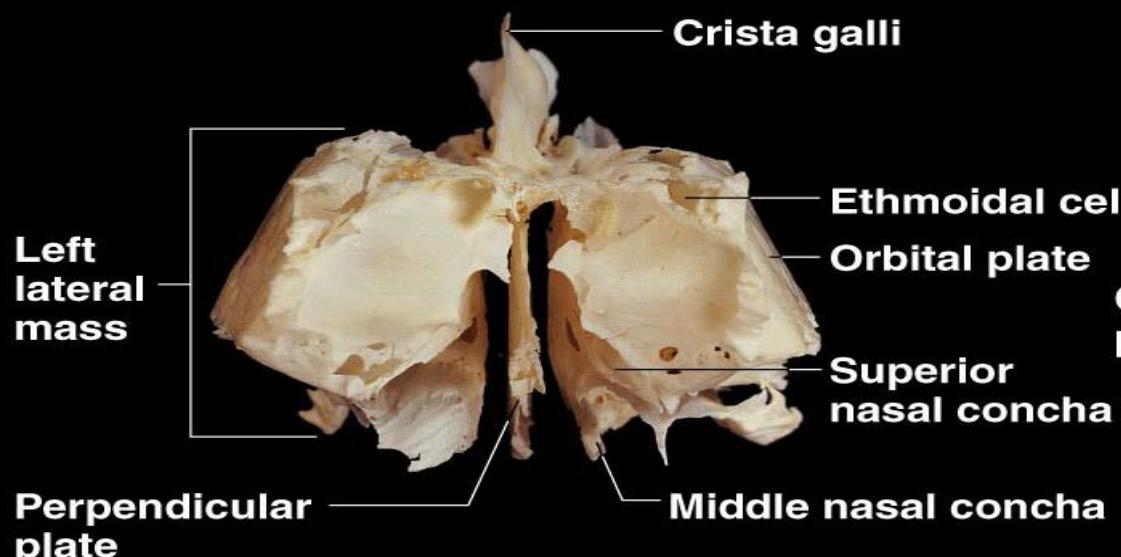
What do you call this bone?

The ethmoid forms the medial portions of the orbits and the roof of the nasal cavity.

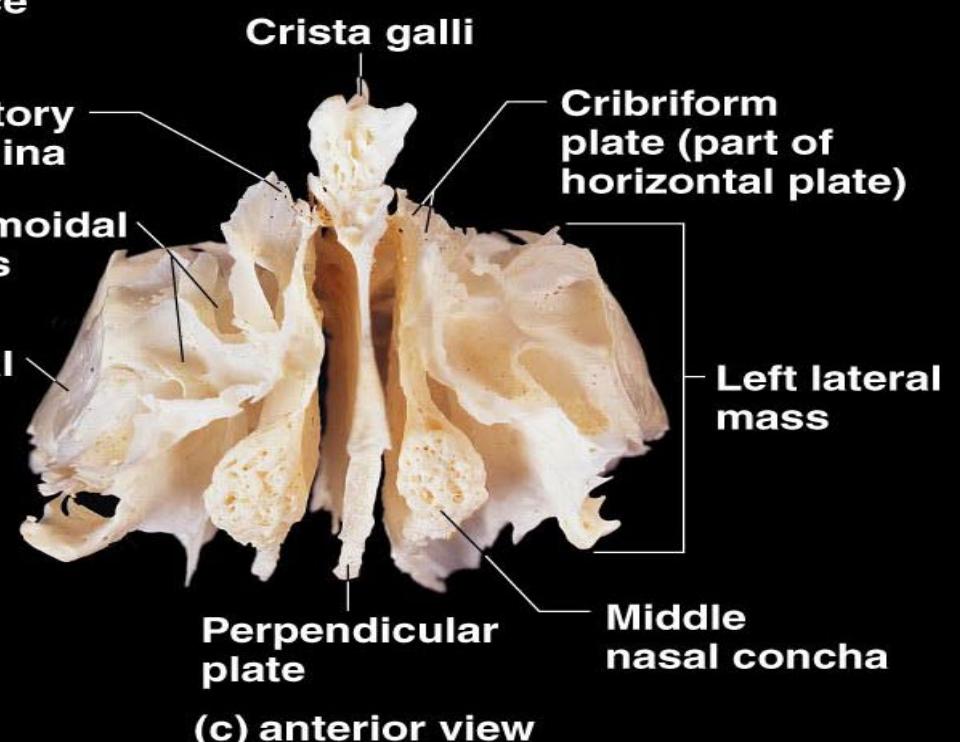
Major markings include the cribriform plate, crista galli, perpendicular plate, nasal conchae, and the ethmoid sinuses



(a) left lateral surface



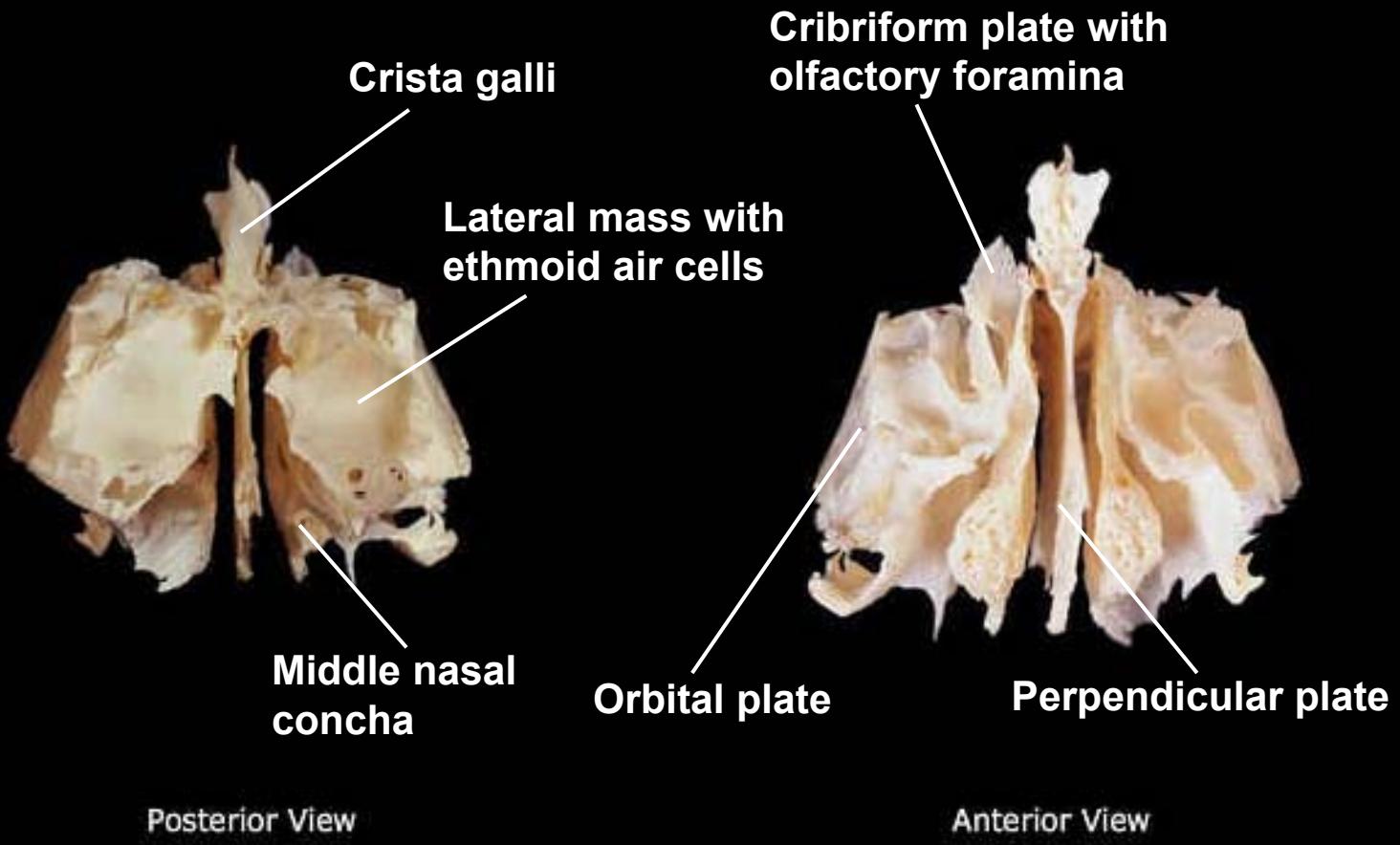
(b) posterior view

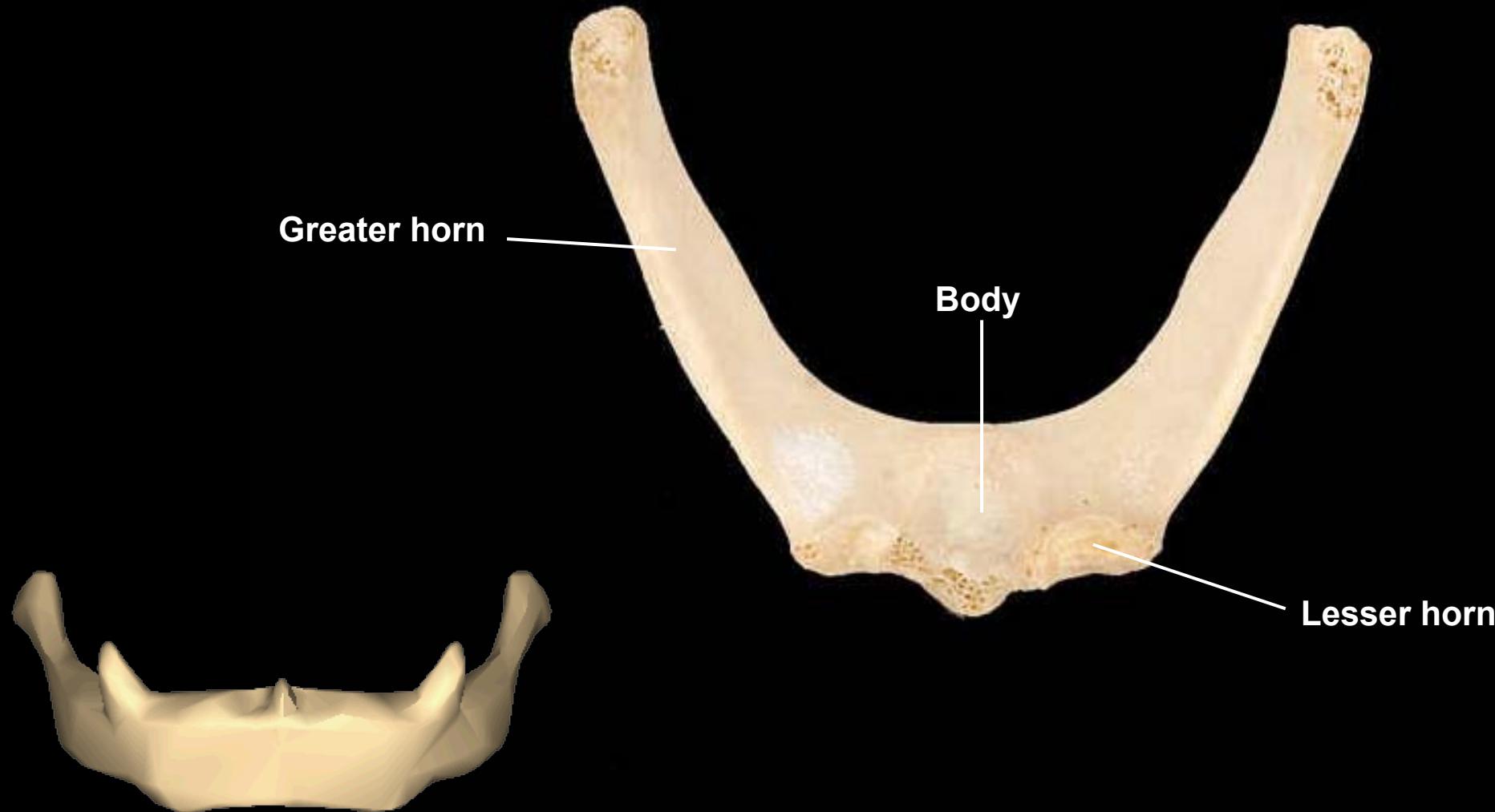


(c) anterior view

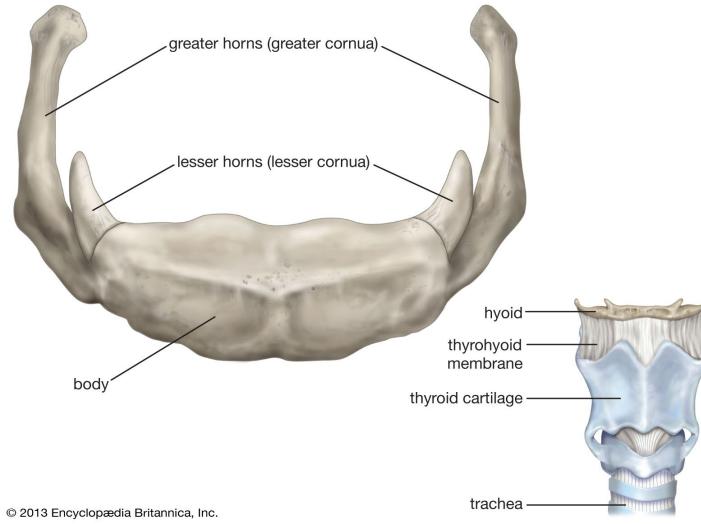
Figure 10 Ethmoid bone.

Ethmoid, posterior and anterior views

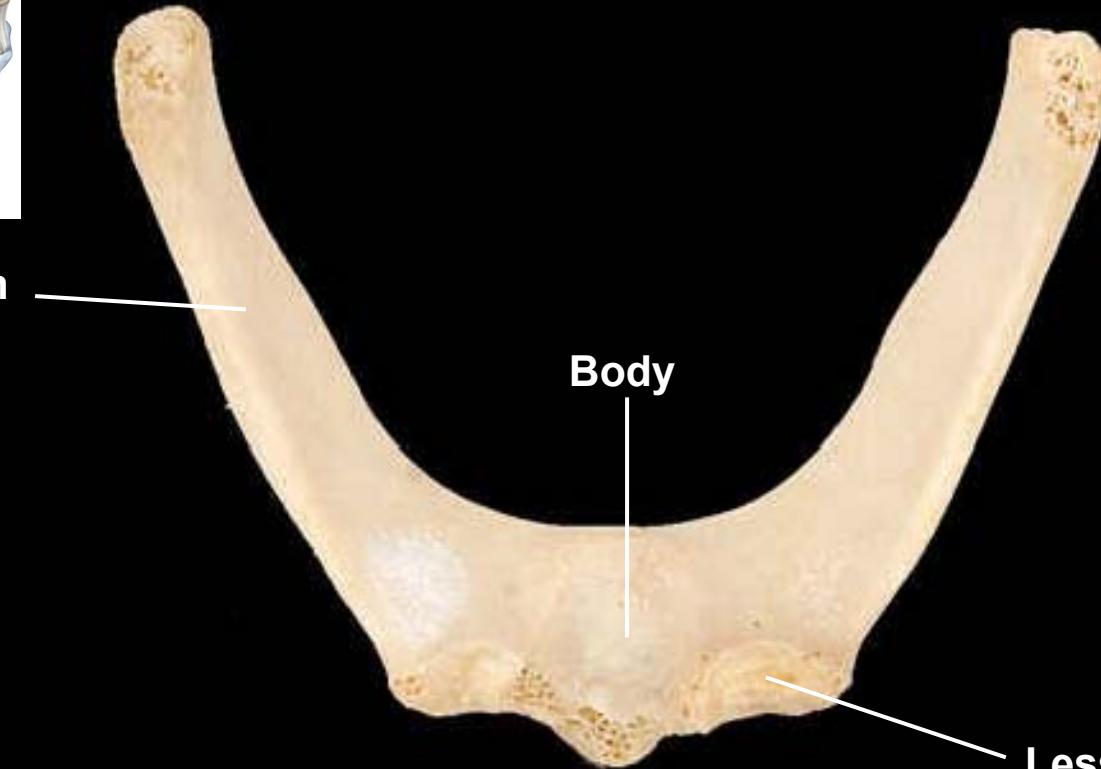




Human hyoid bone



Hyoid, superior view



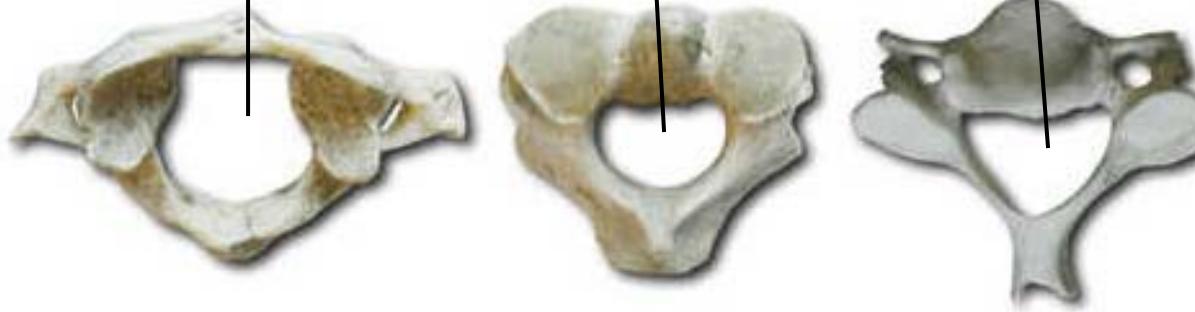
Spine

Types of vertebrae

Axis (2nd cervical vertebra)

Atlas (1st cervical vertebra)

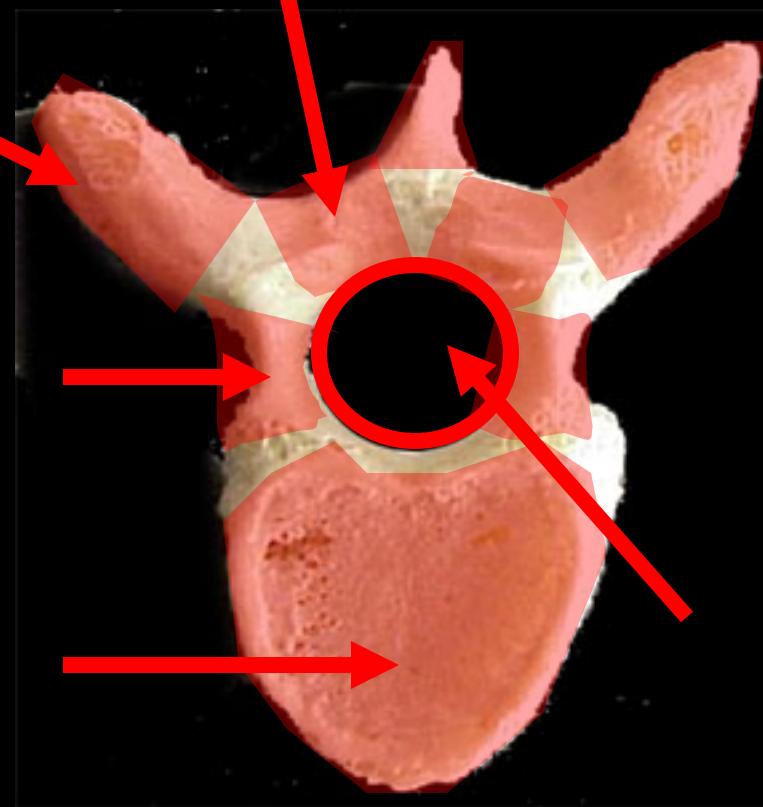
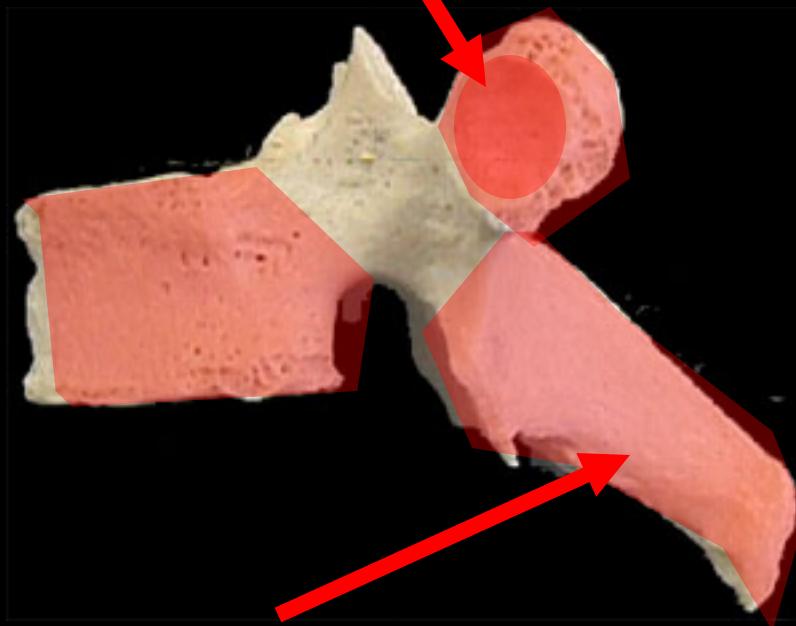
Typical cervical vertebra

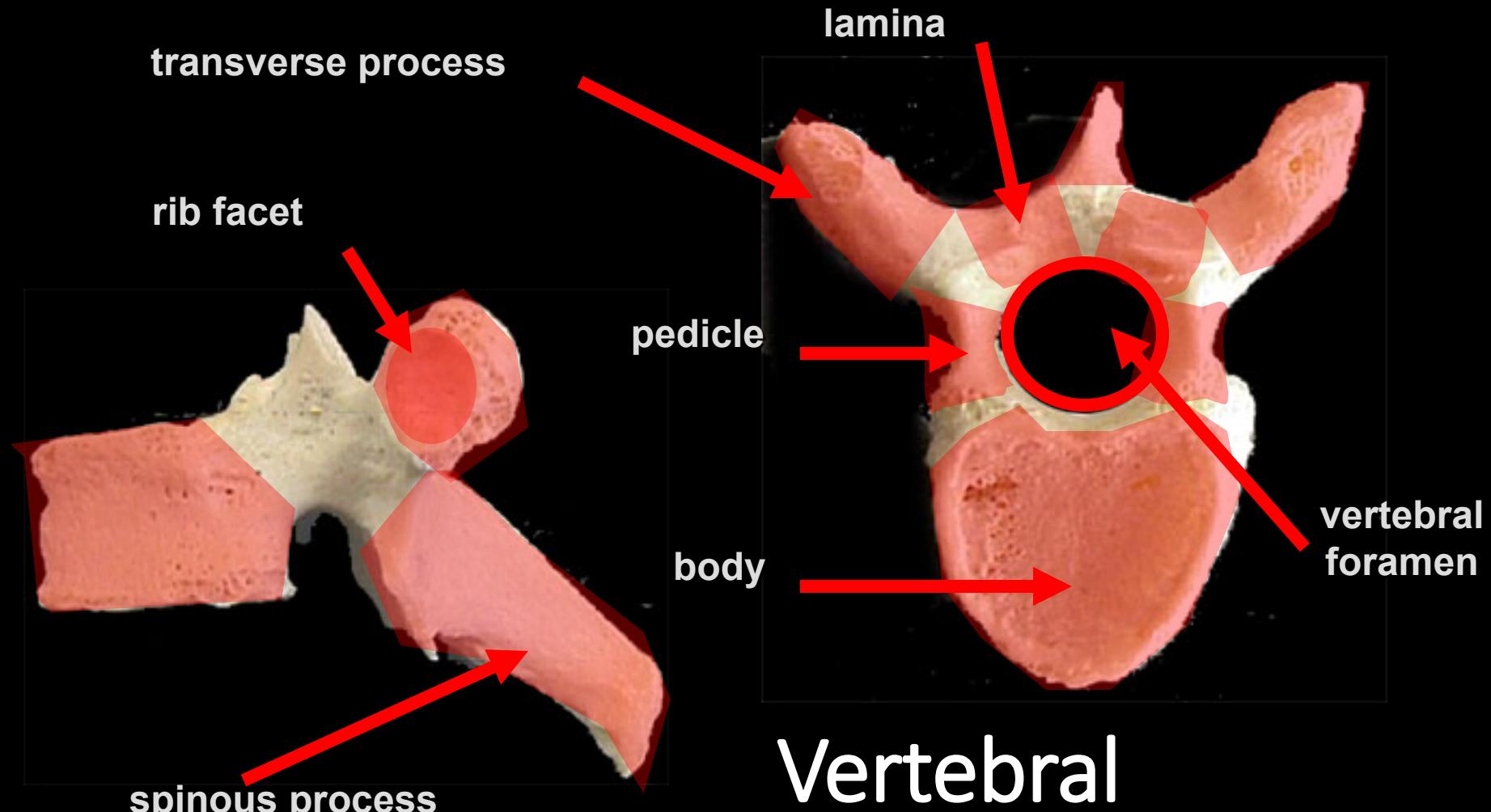


Typical thoracic vertebra



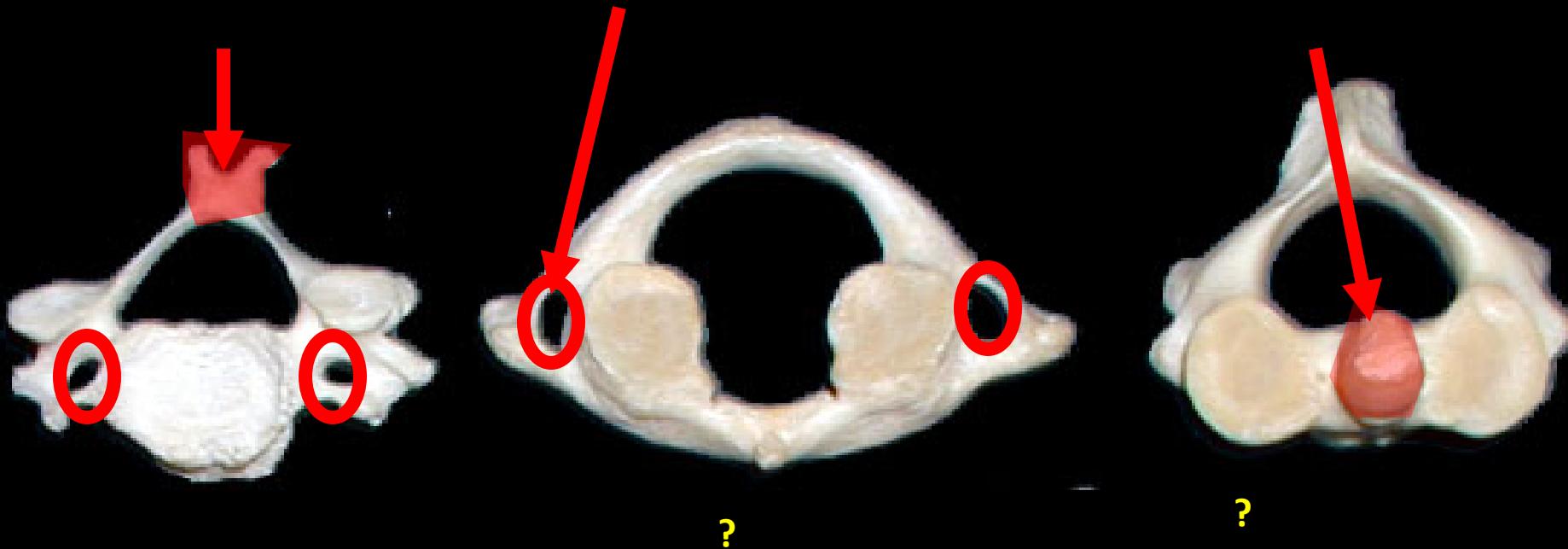
Typical lumbar vertebra

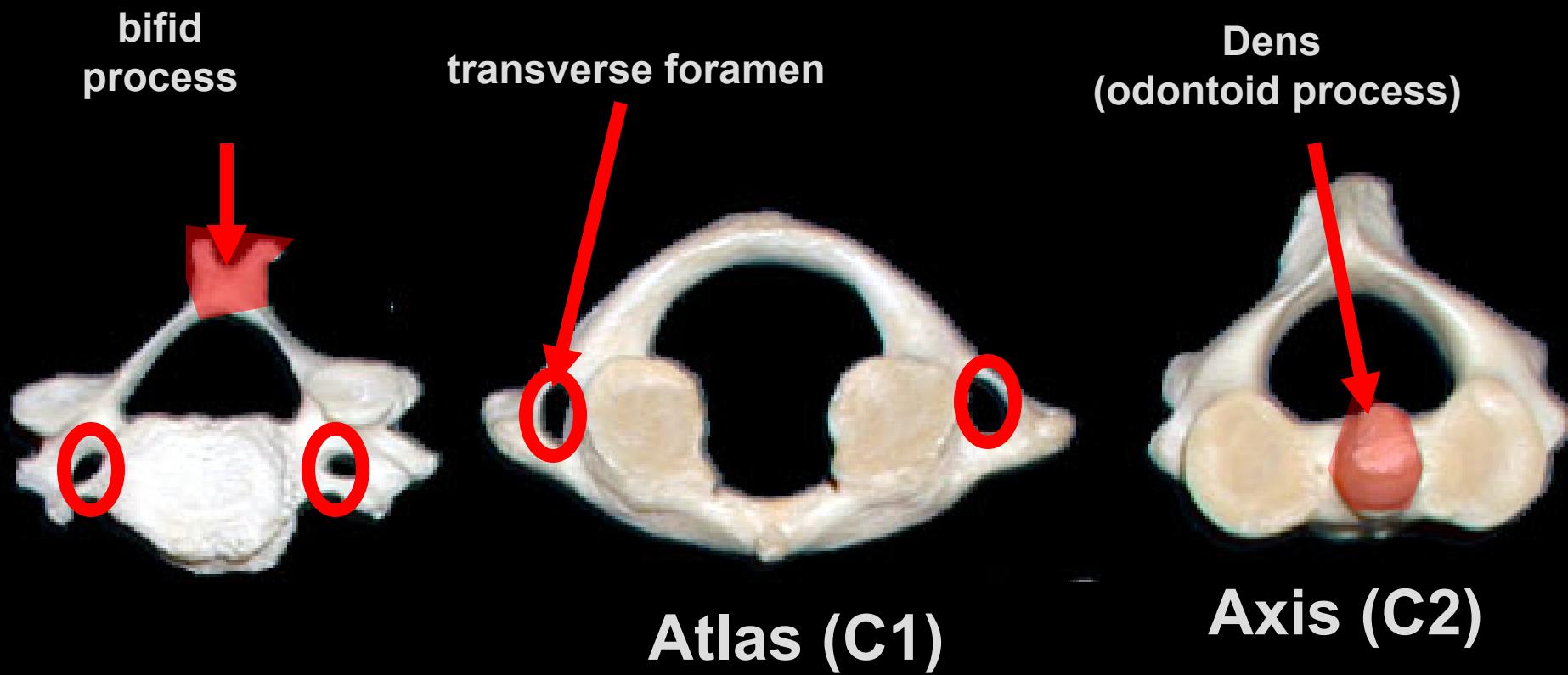




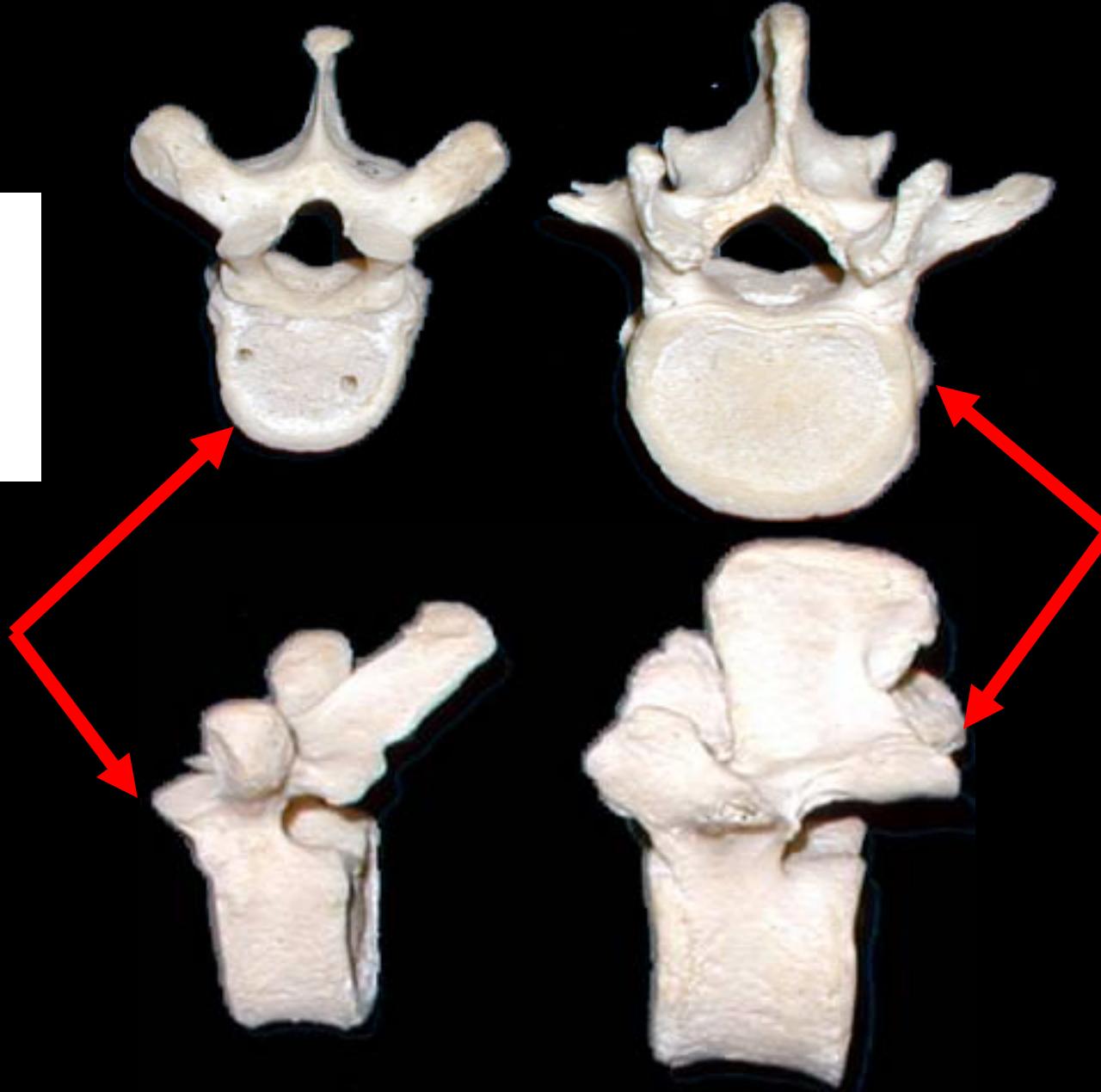
Vertebral Parts

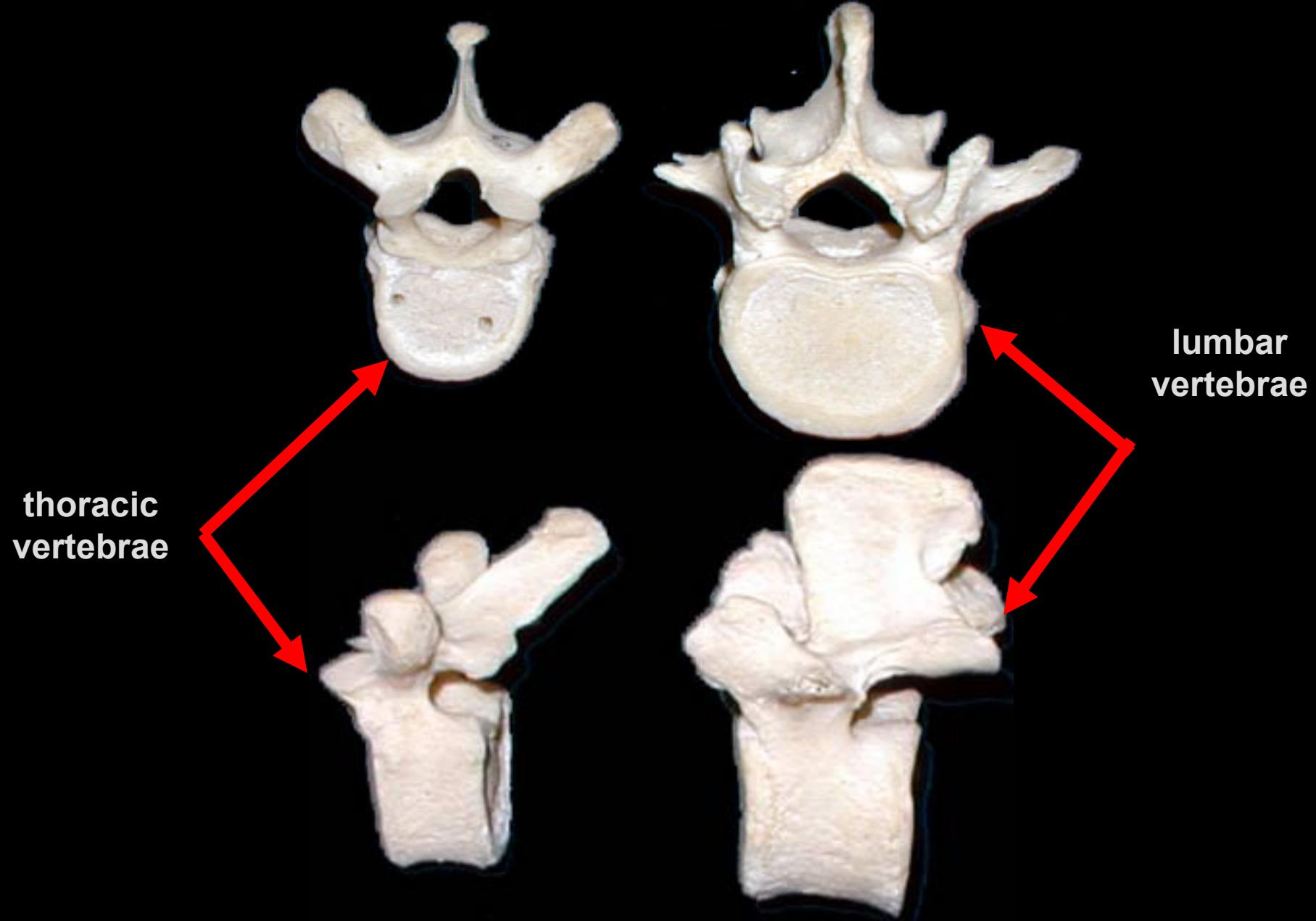
[.....?...]Vertebrae



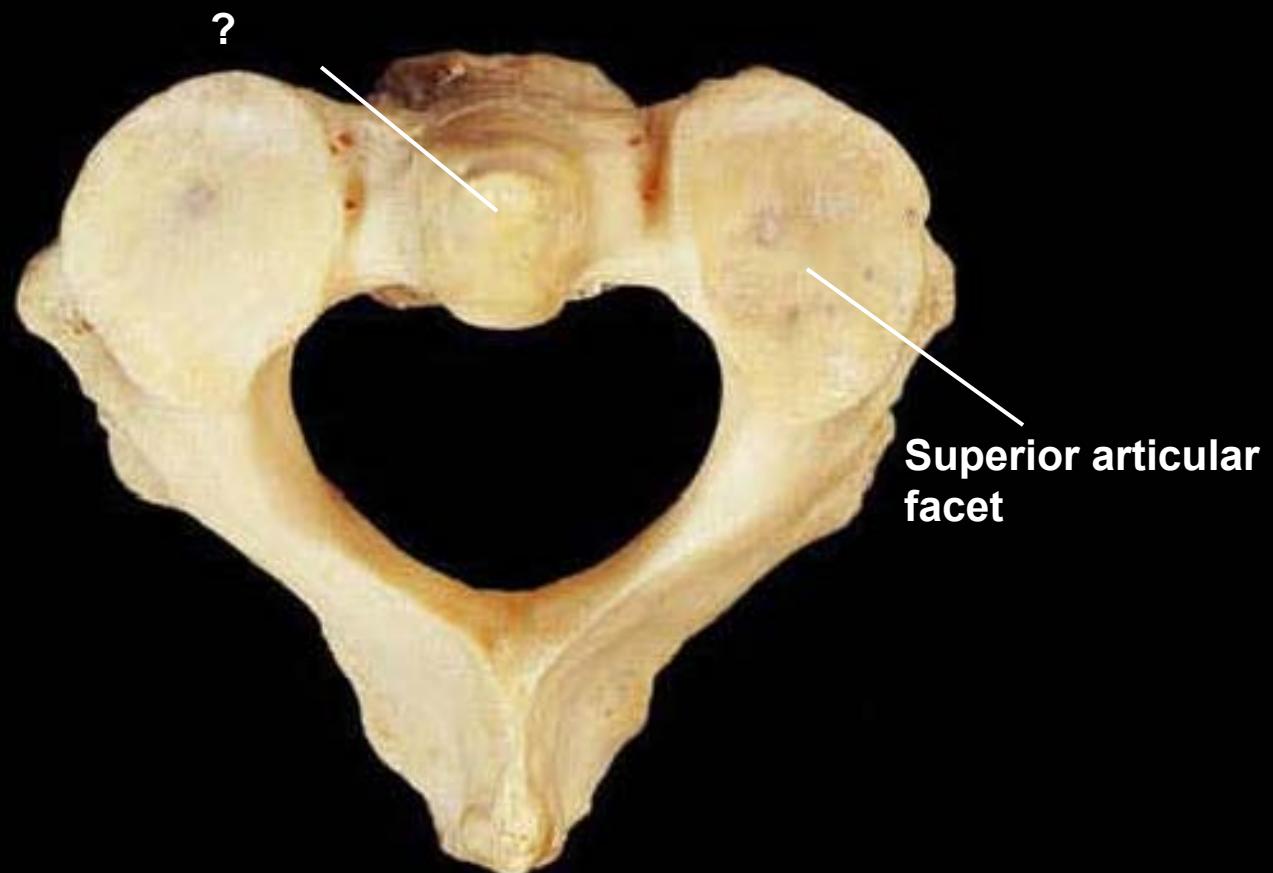


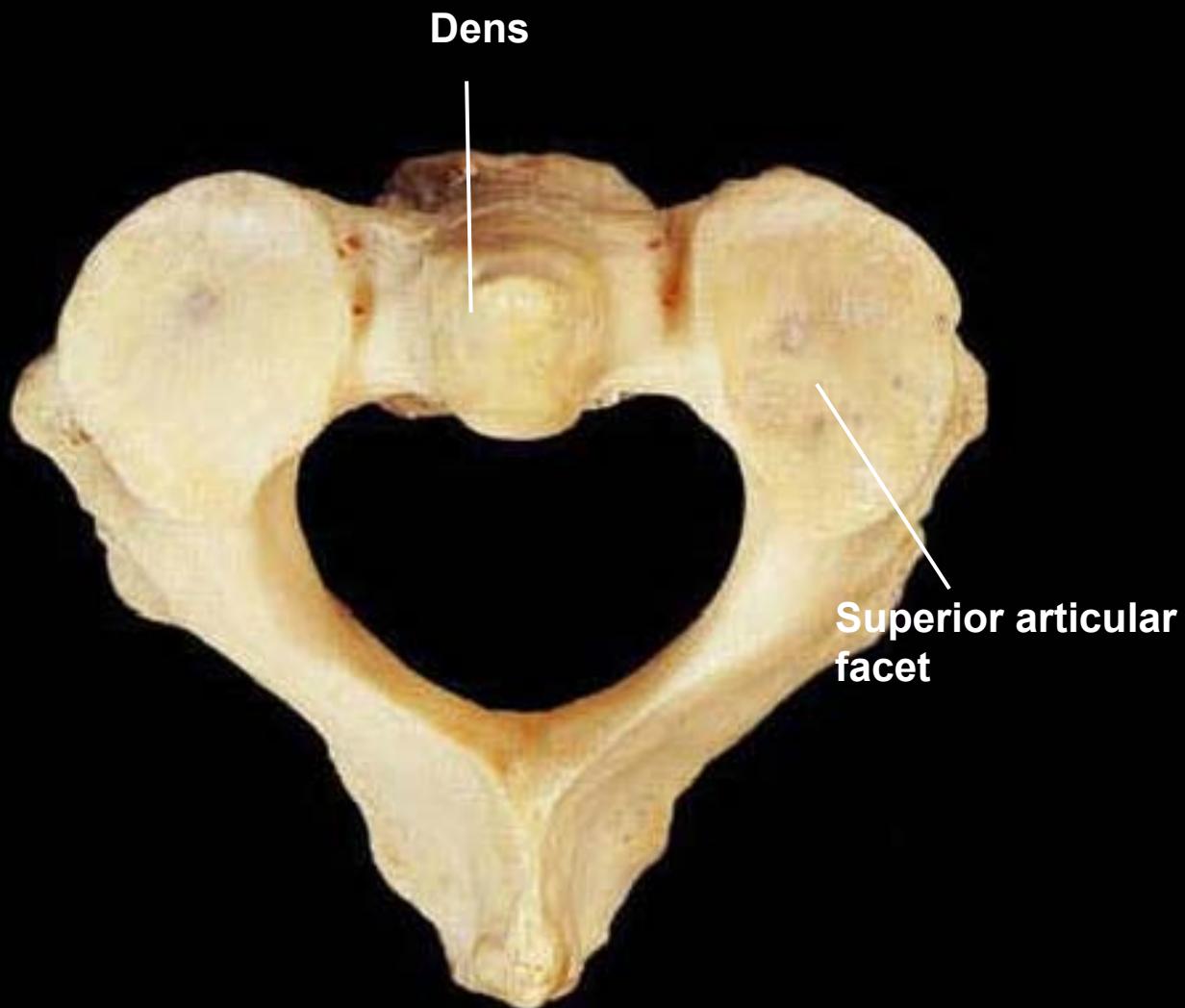
Thoracic &
Lumbar
Vertebrae?

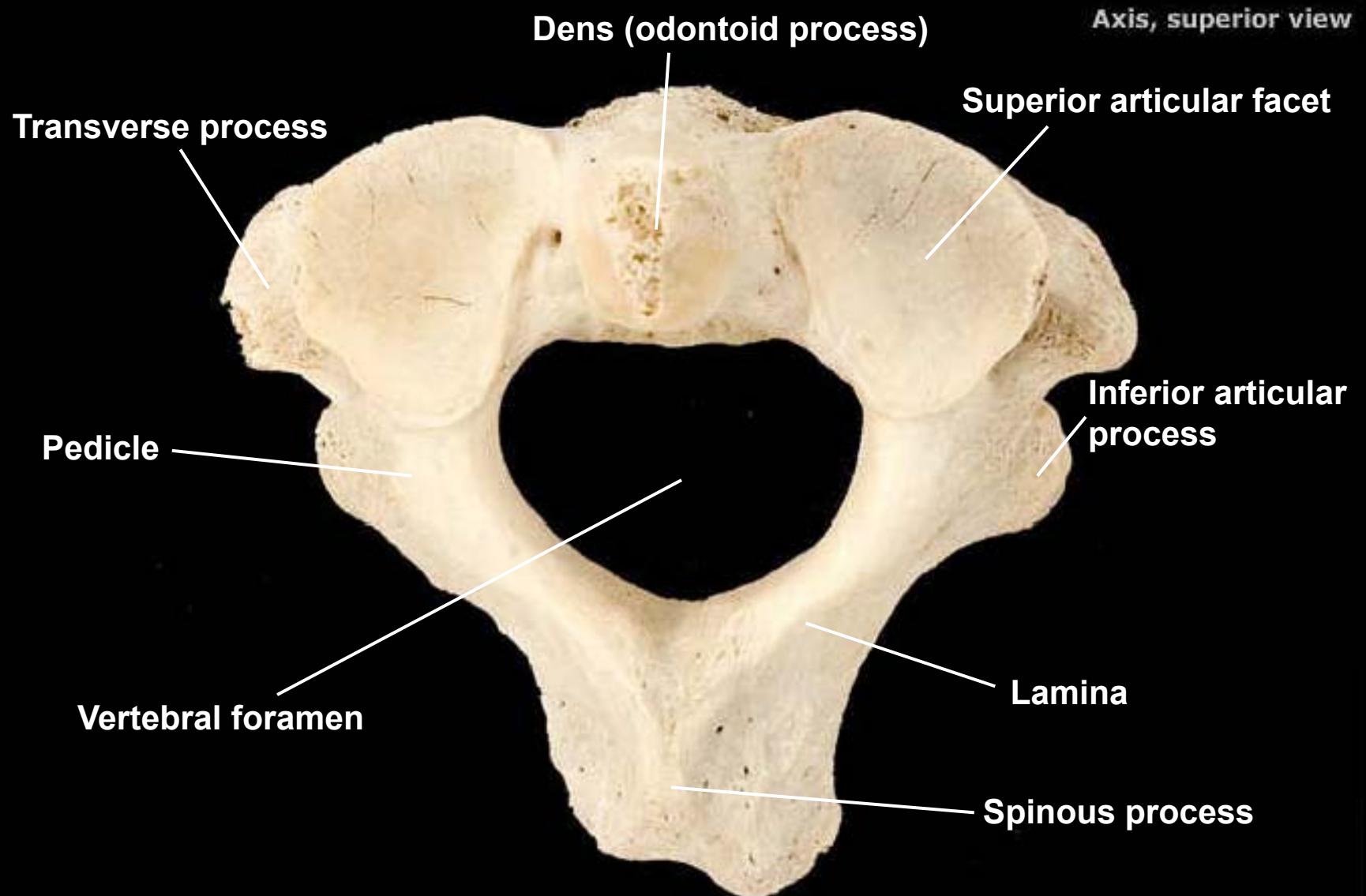




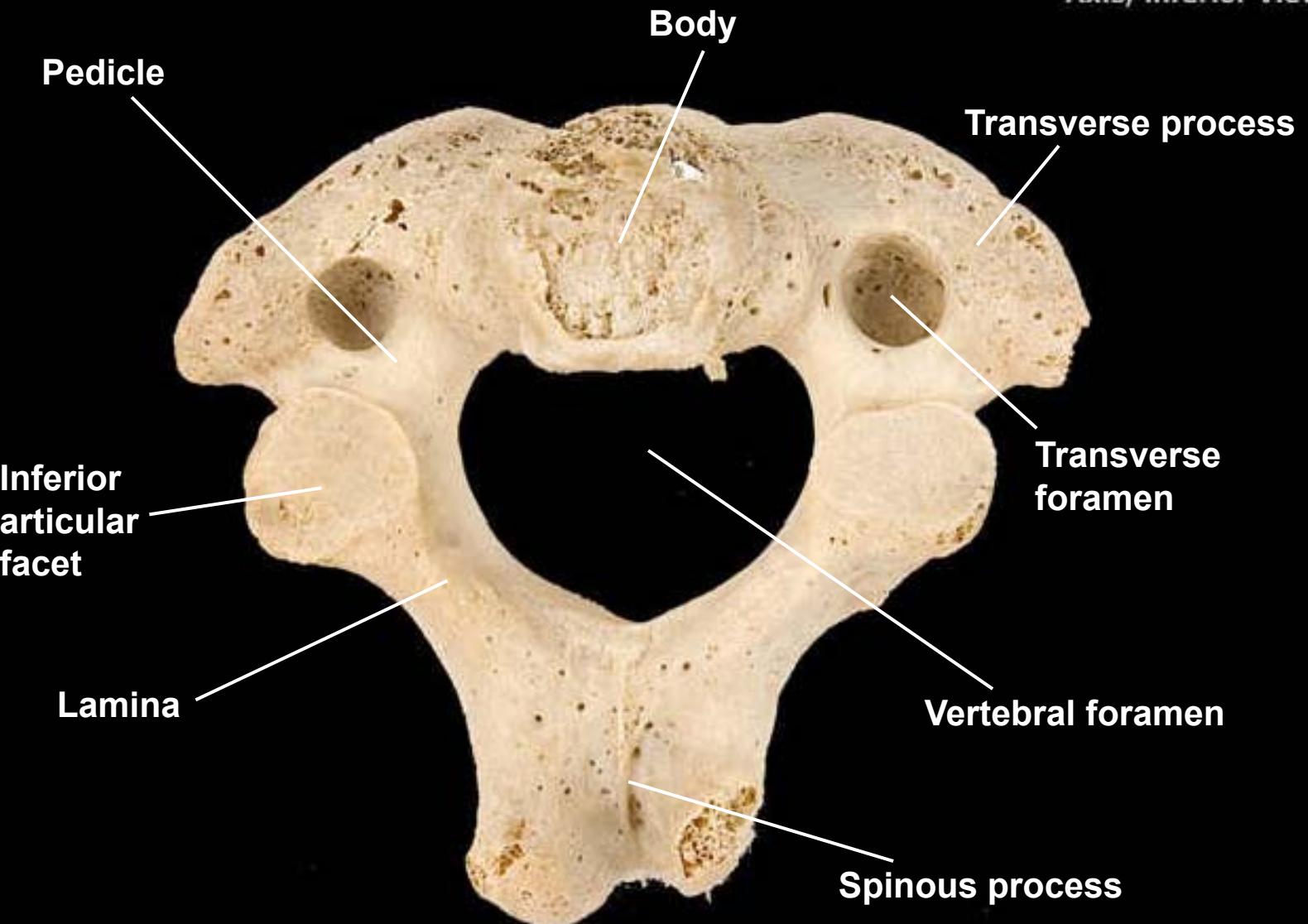
Name this vertebra
and why?



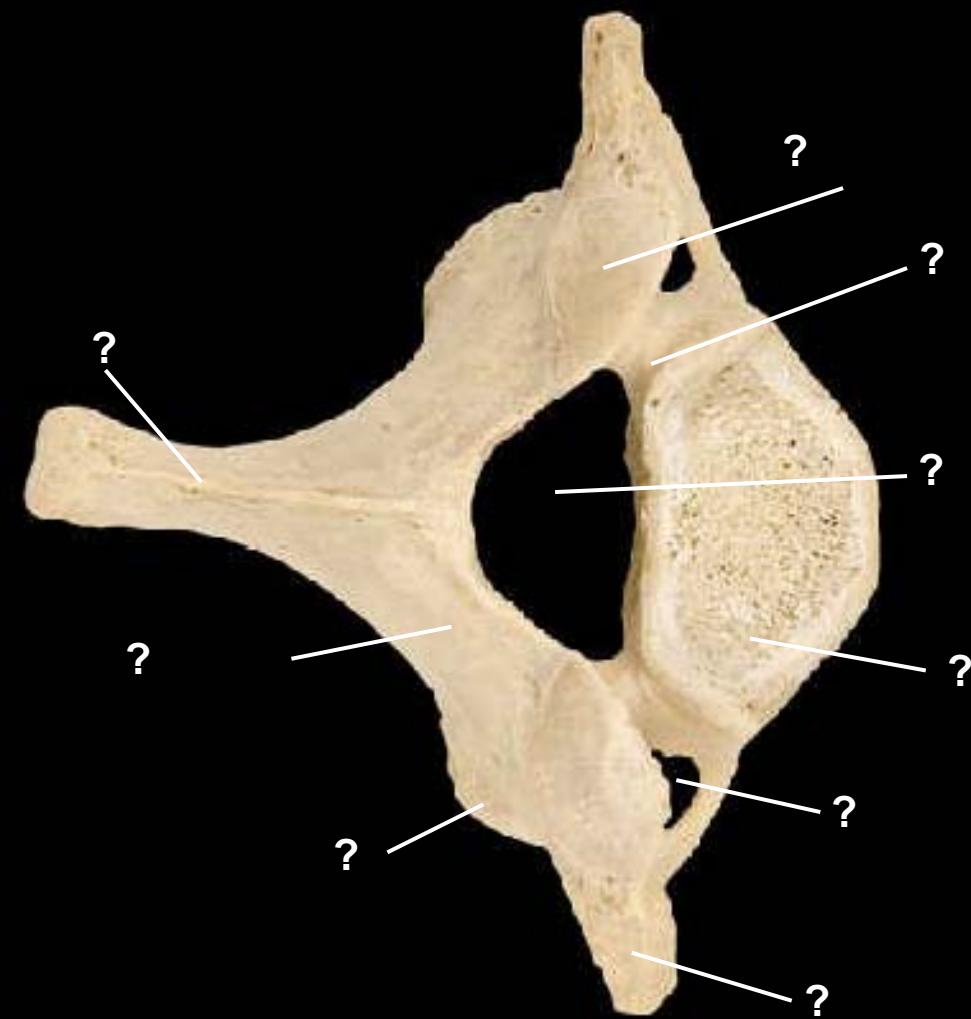




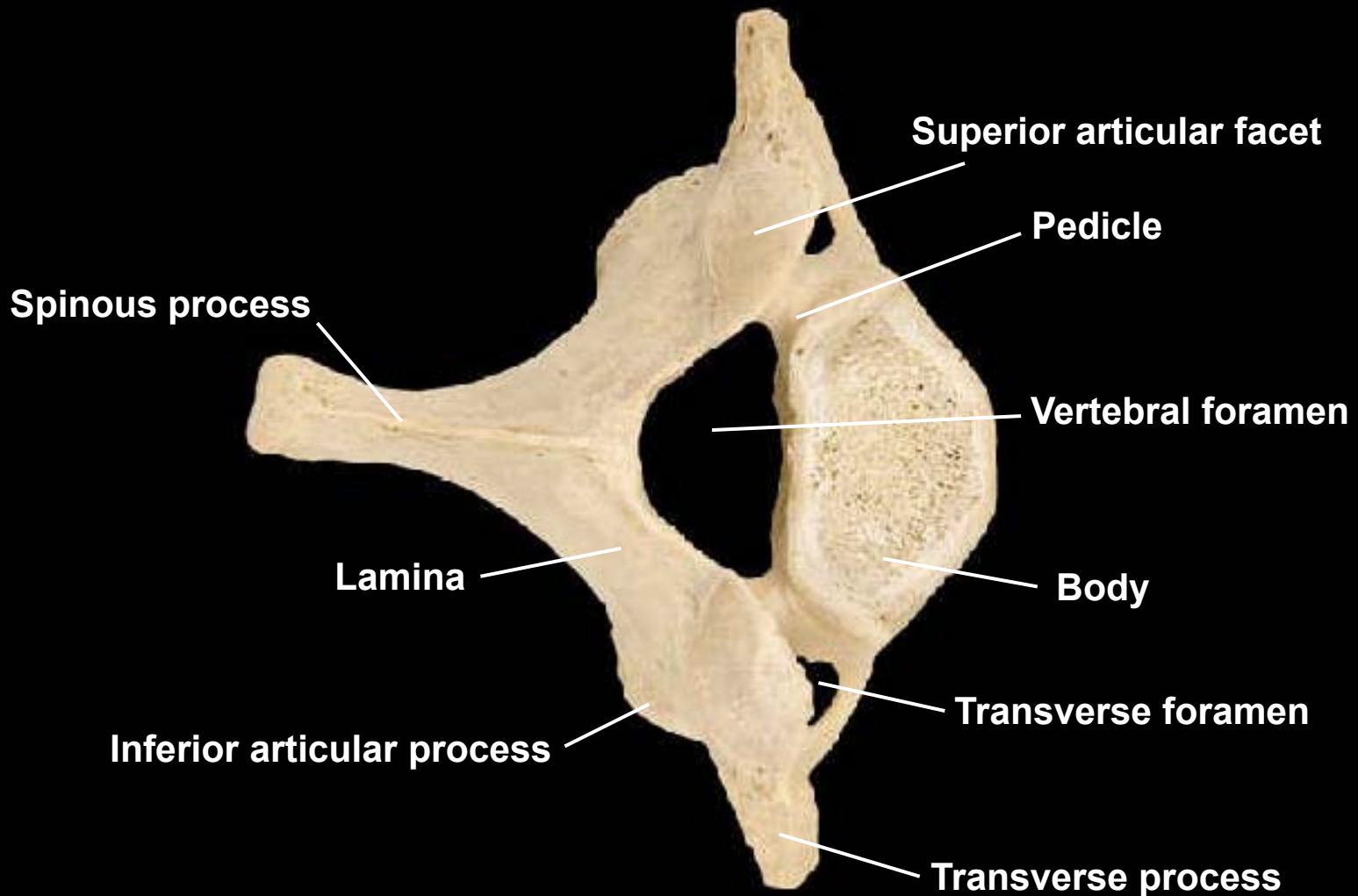
Axis, inferior view



Cervical vertebra, superior view

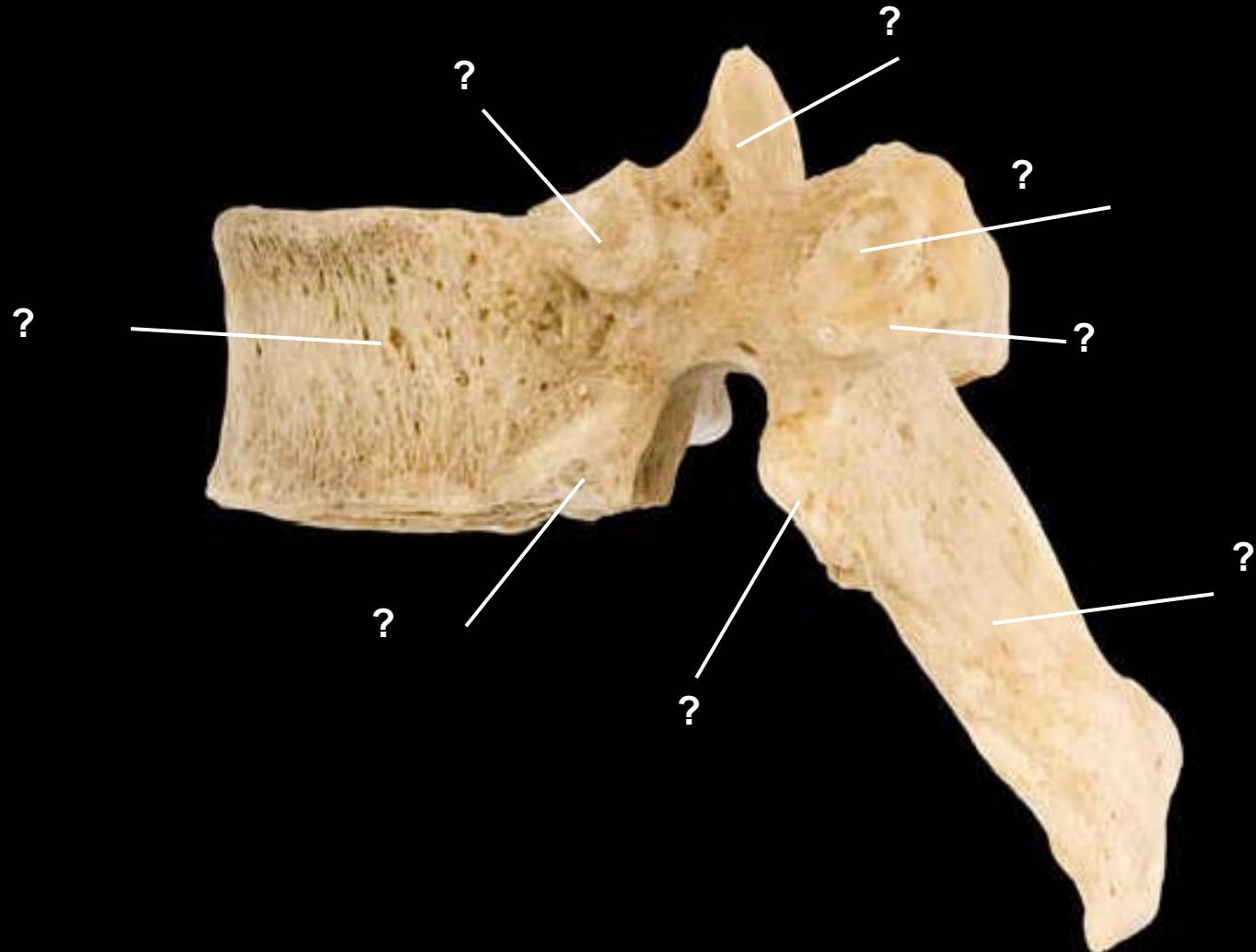


Cervical vertebra, superior view

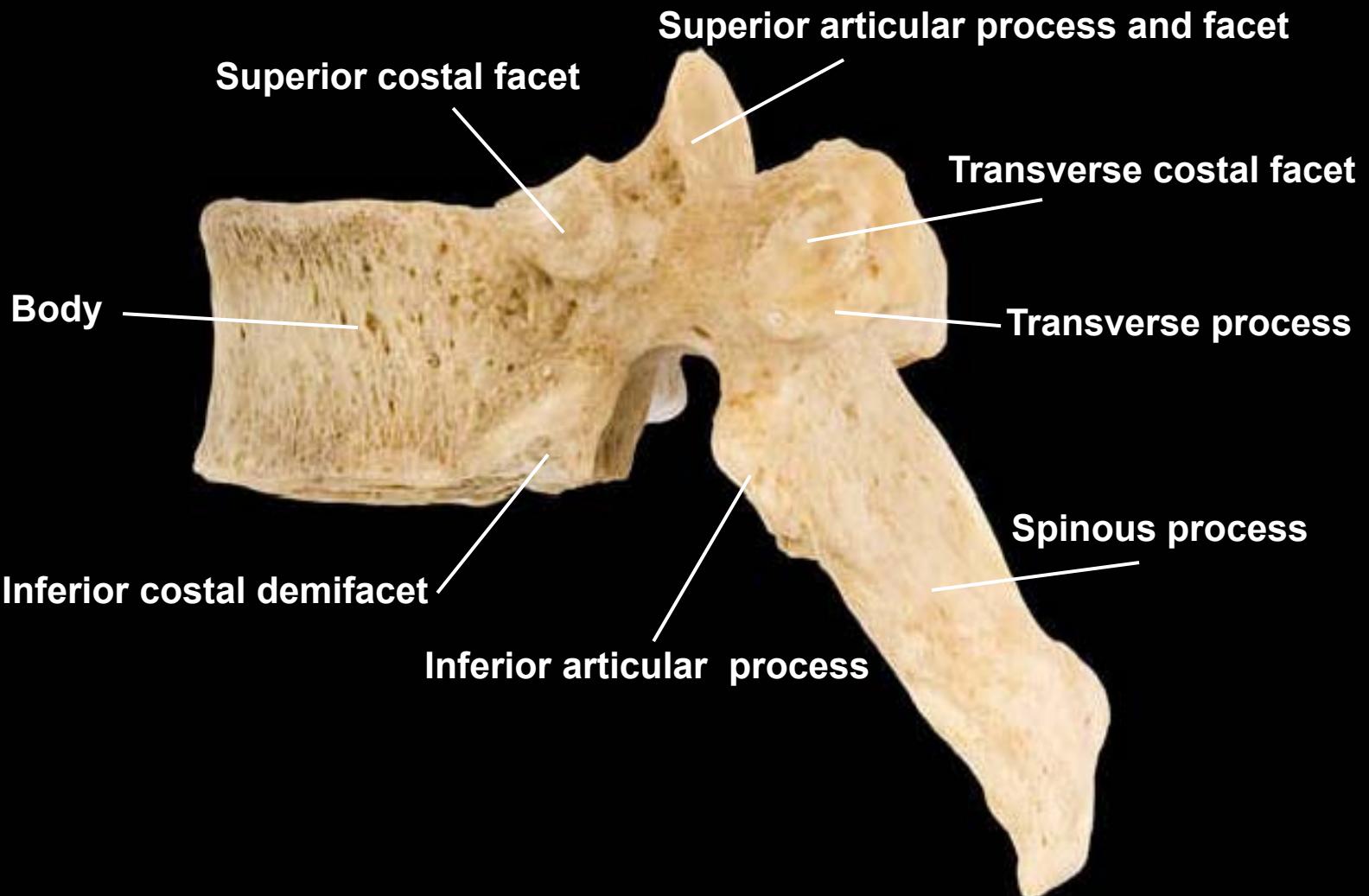




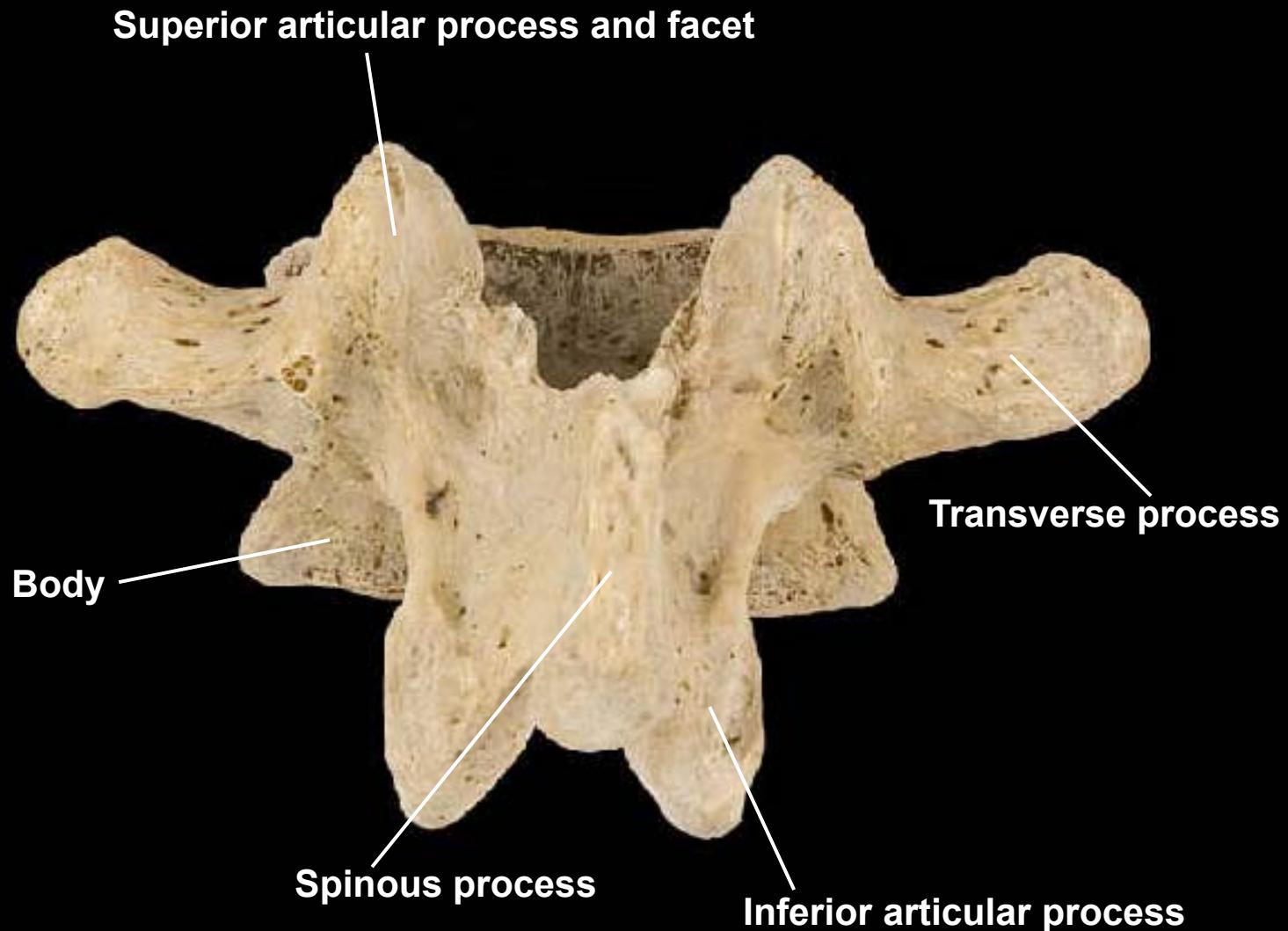
What type of vertebra?

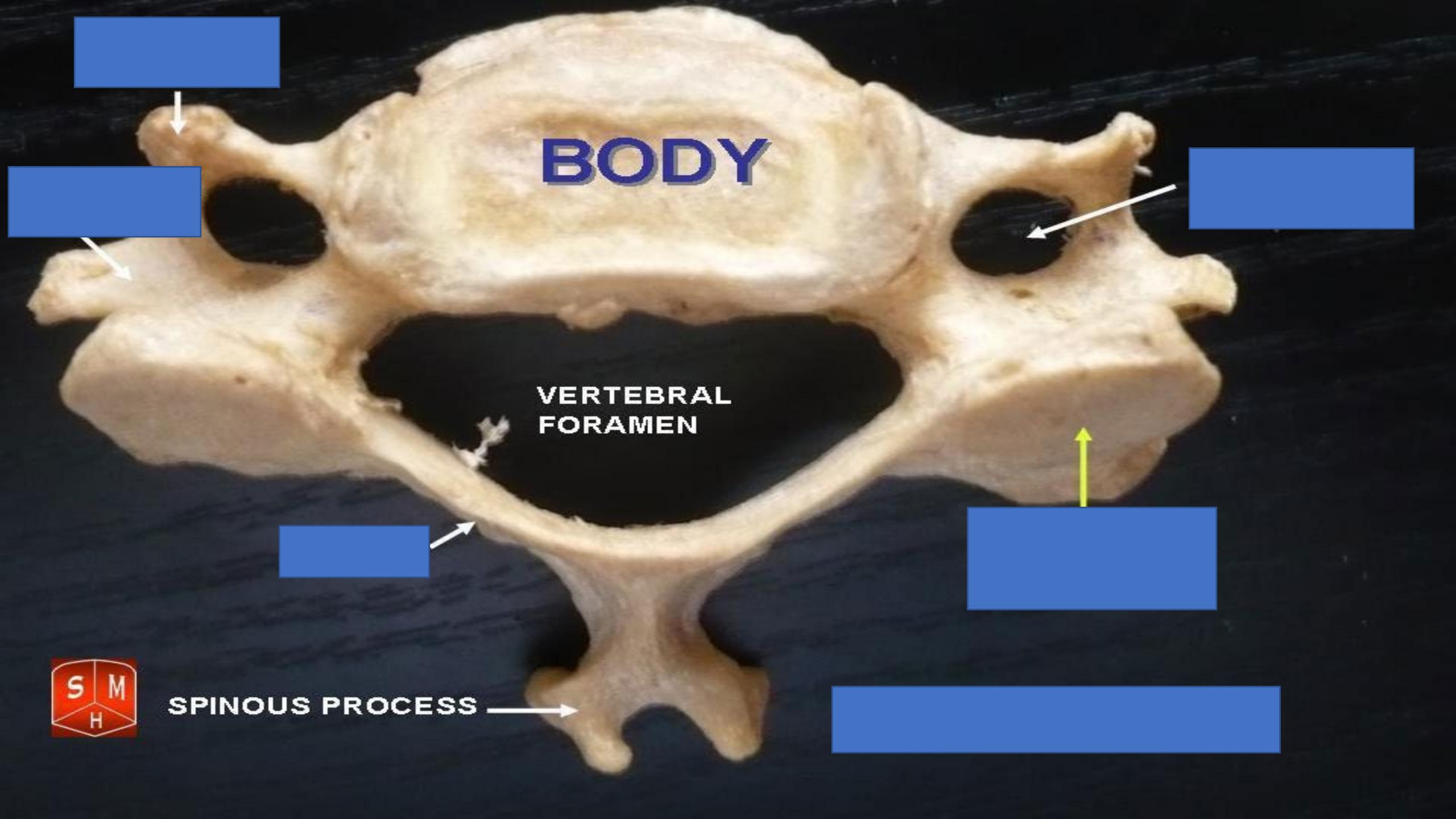


Thoracic vertebra, lateral view, left side



Lumbar vertebra, posterior view





BODY

VERTEBRAL
FORAMEN

SPINOUS PROCESS →



ANTERIOR
TUBERCLE



POSTERIOR
TUBERCLE



BODY

VERTEBRAL
FORAMEN

LAMINA

SPINOUS PROCESS

TRANSVERSE
FORAMEN



SUPERIOR
ARTICULAR
FACET

CERVICAL VERTEBRA





What type of vertebra?



Cervical

What type of vertebra?



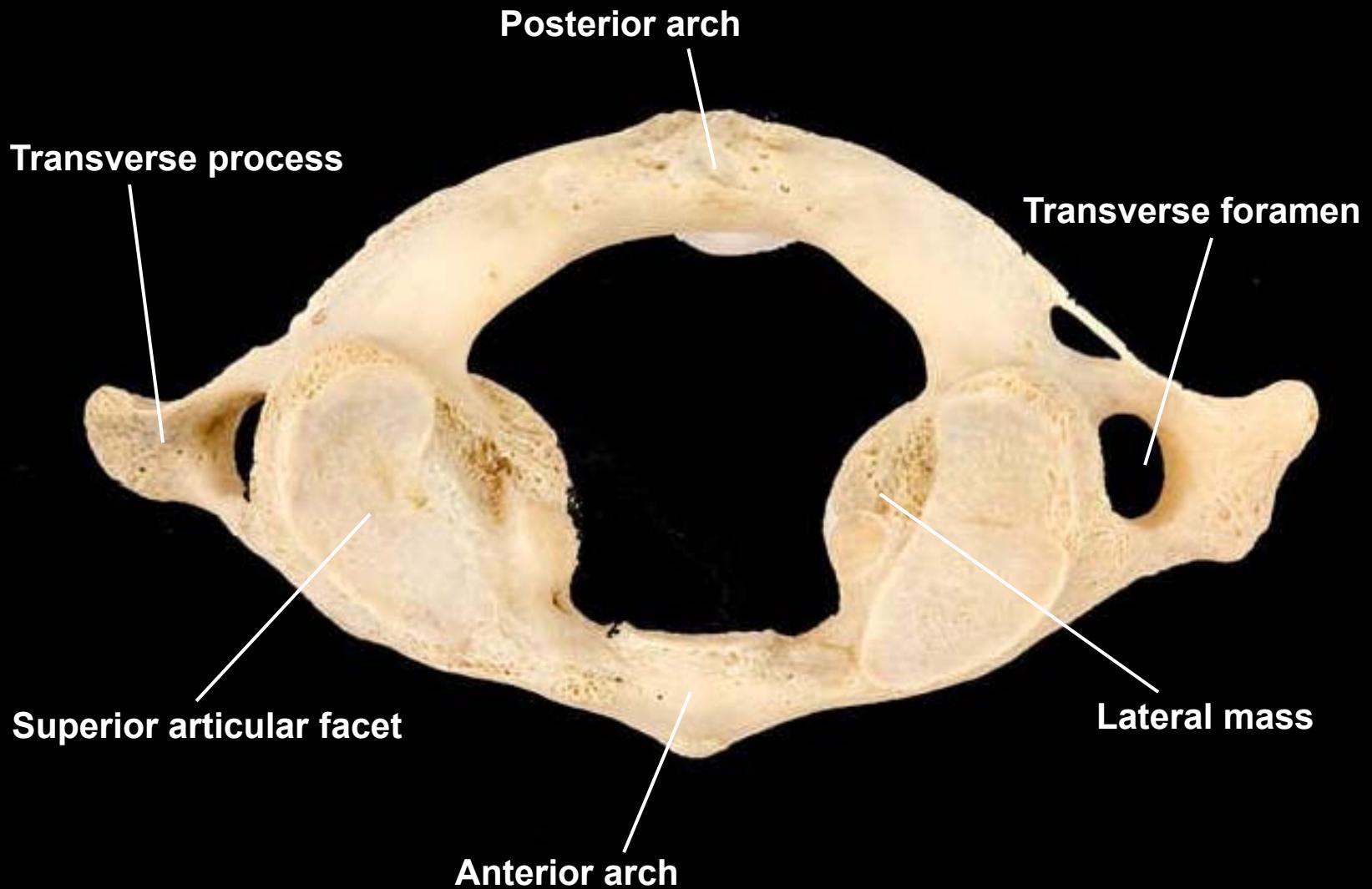
Lumbar



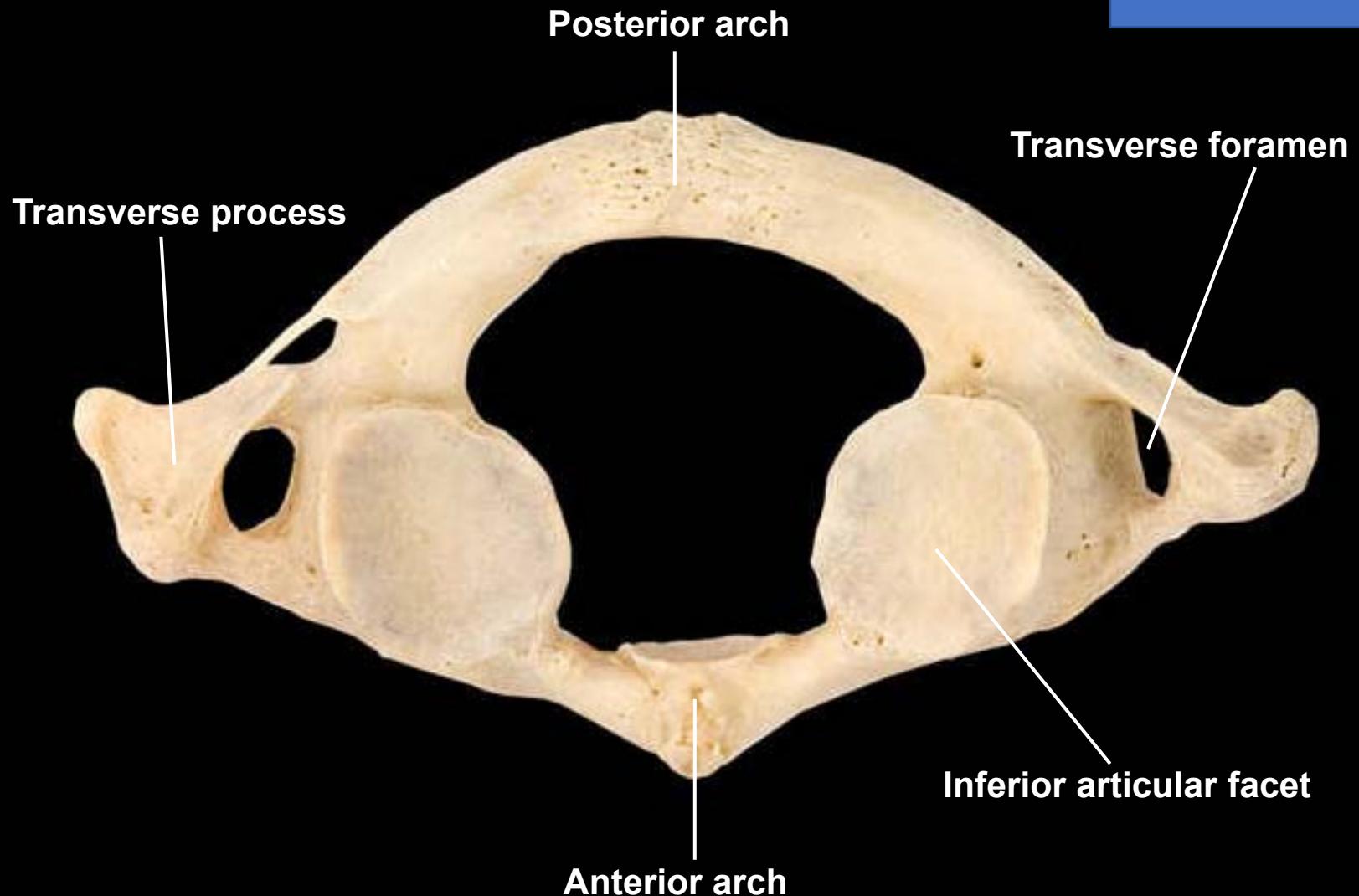
Name this bon?



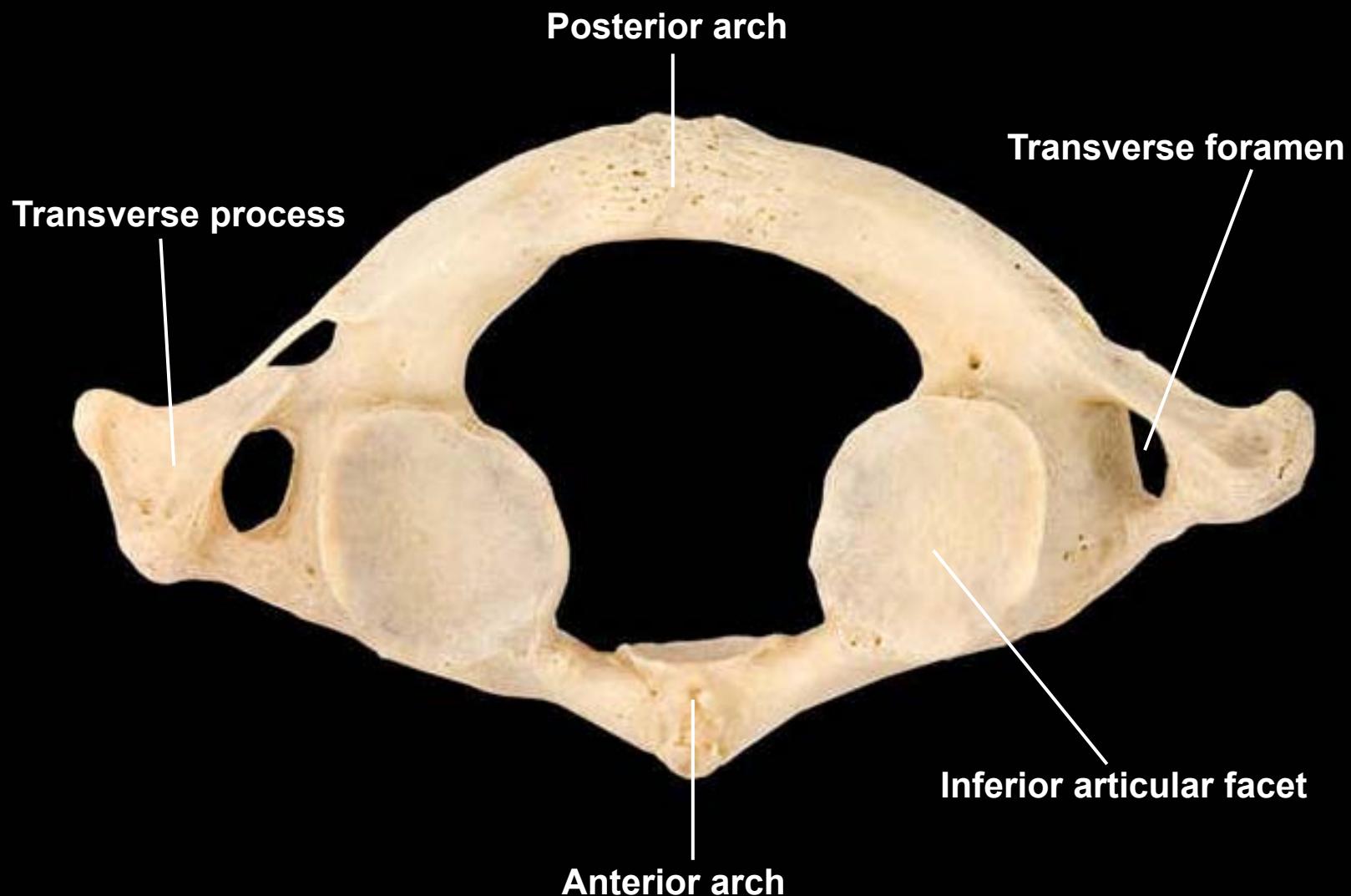
Atlas, superior view

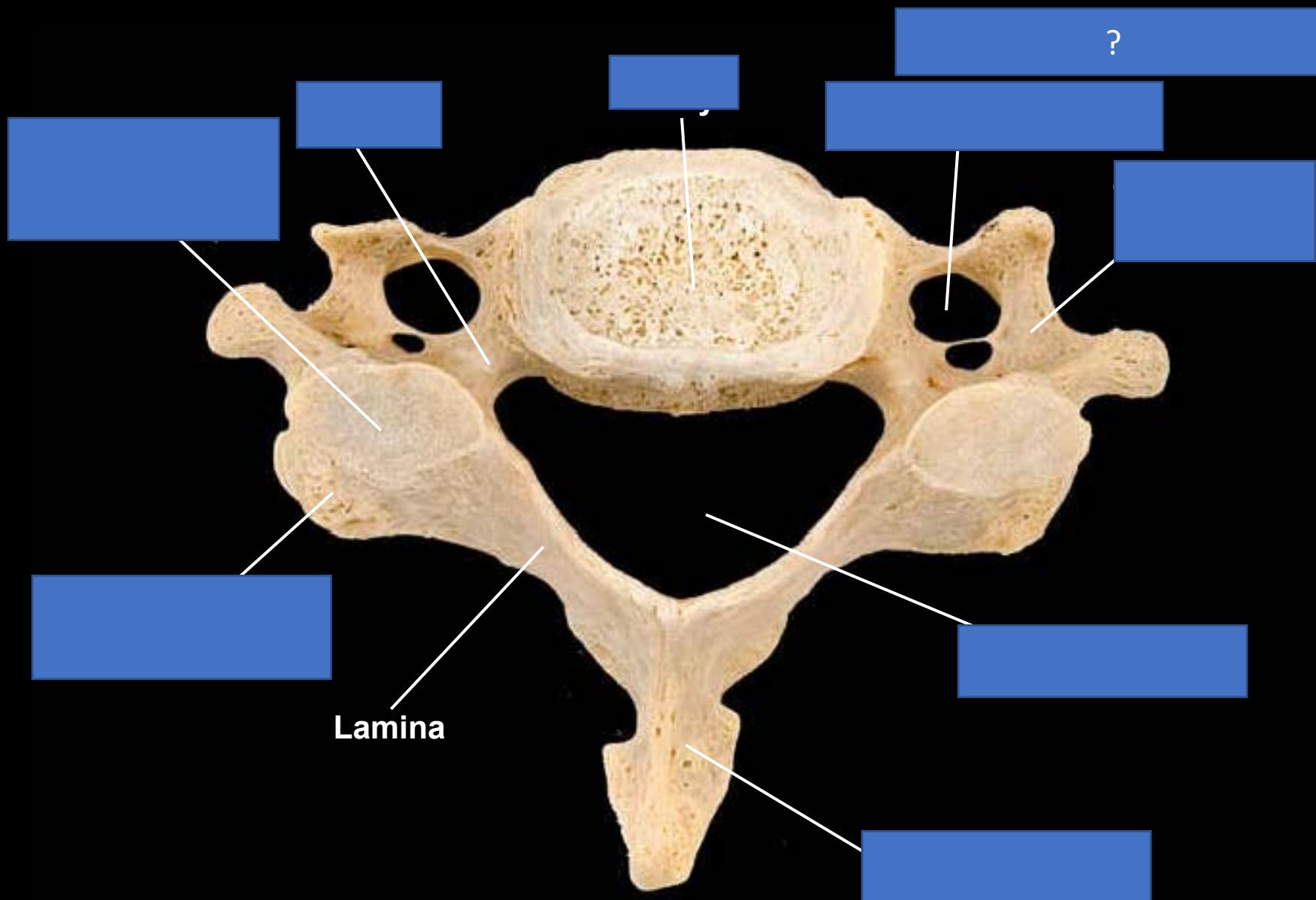


What view is this bone?

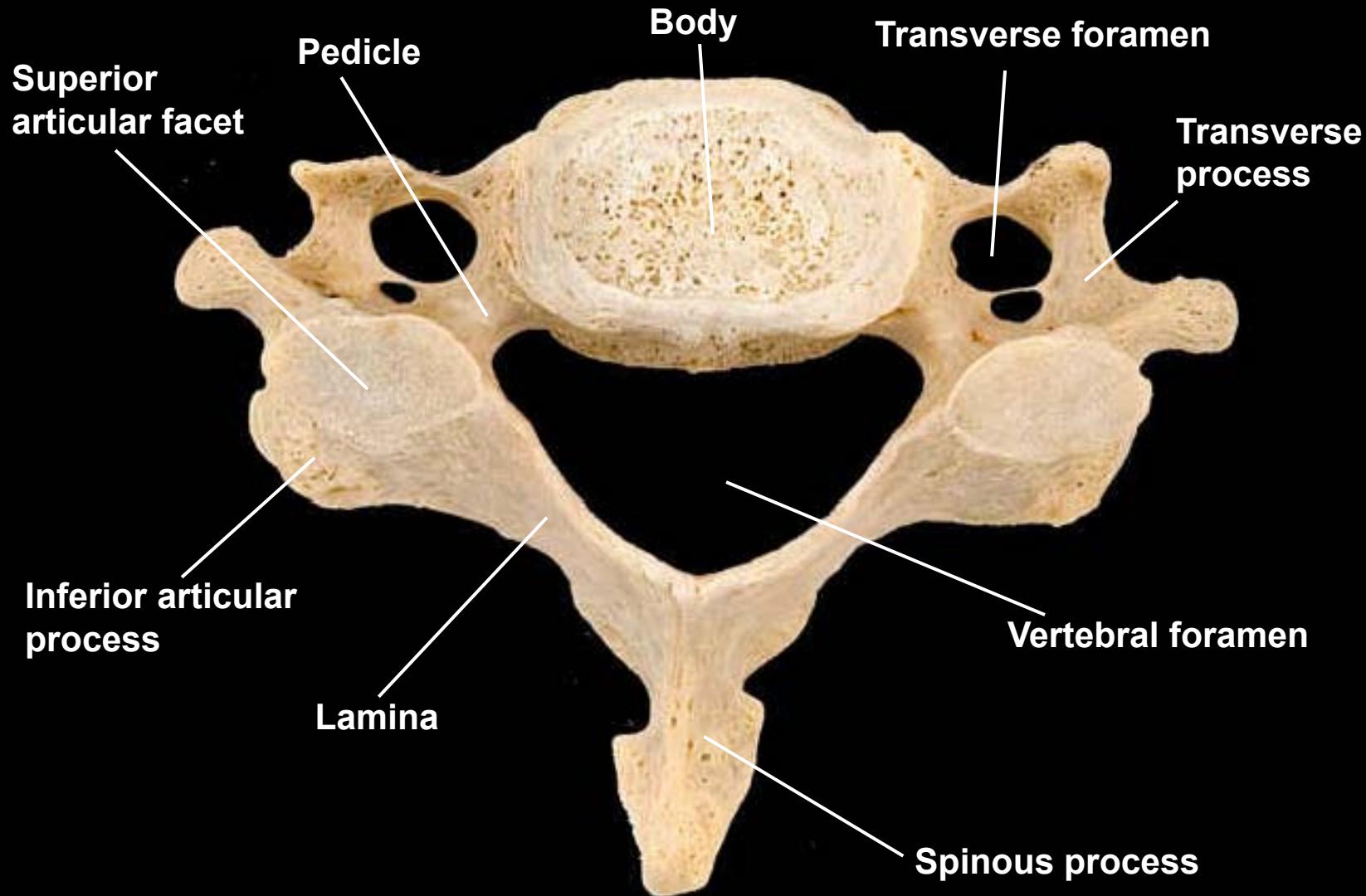


Atlas, inferior view

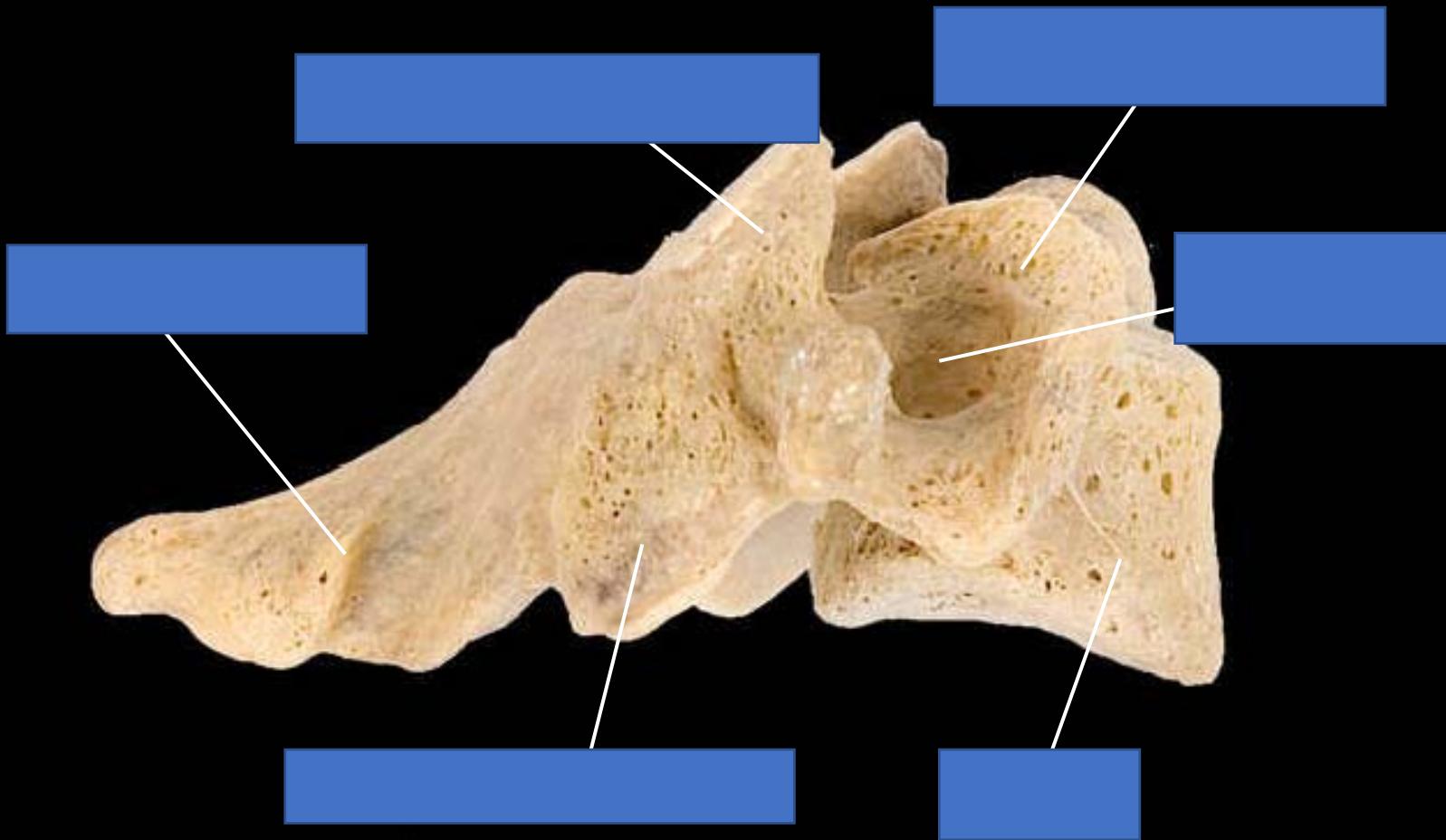




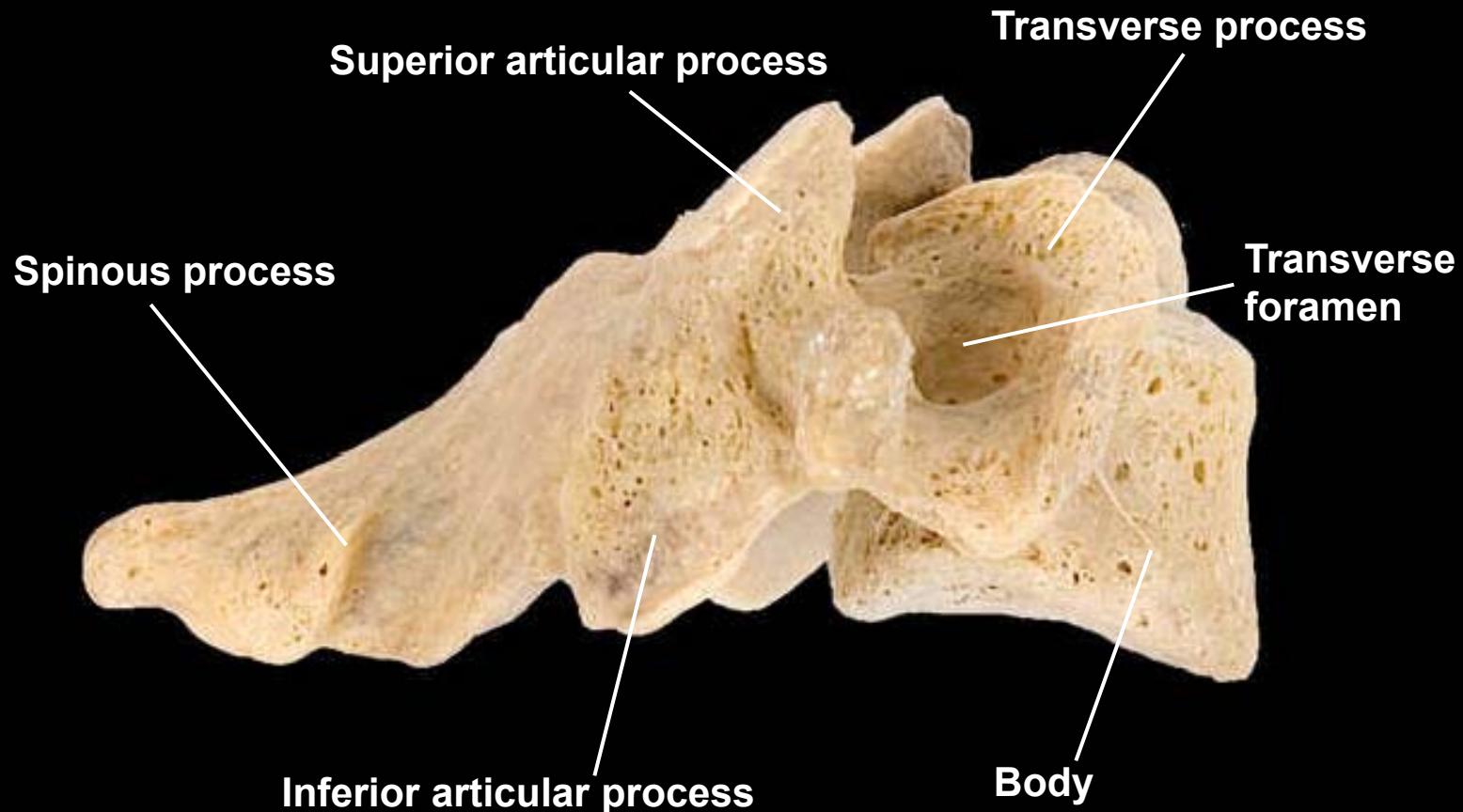
Cervical vertebra, superior view

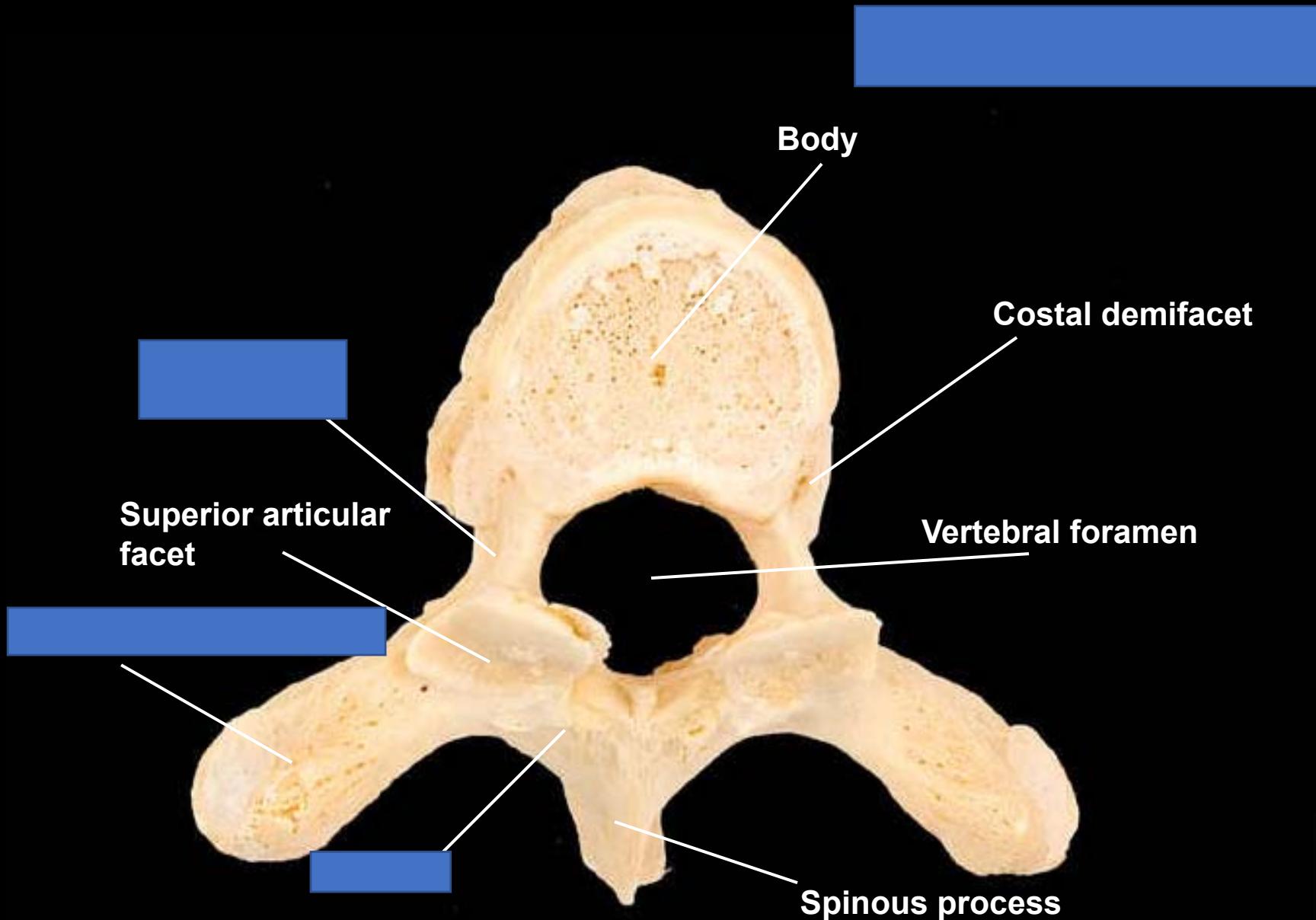


Cervical vertebra, lateral view, right side

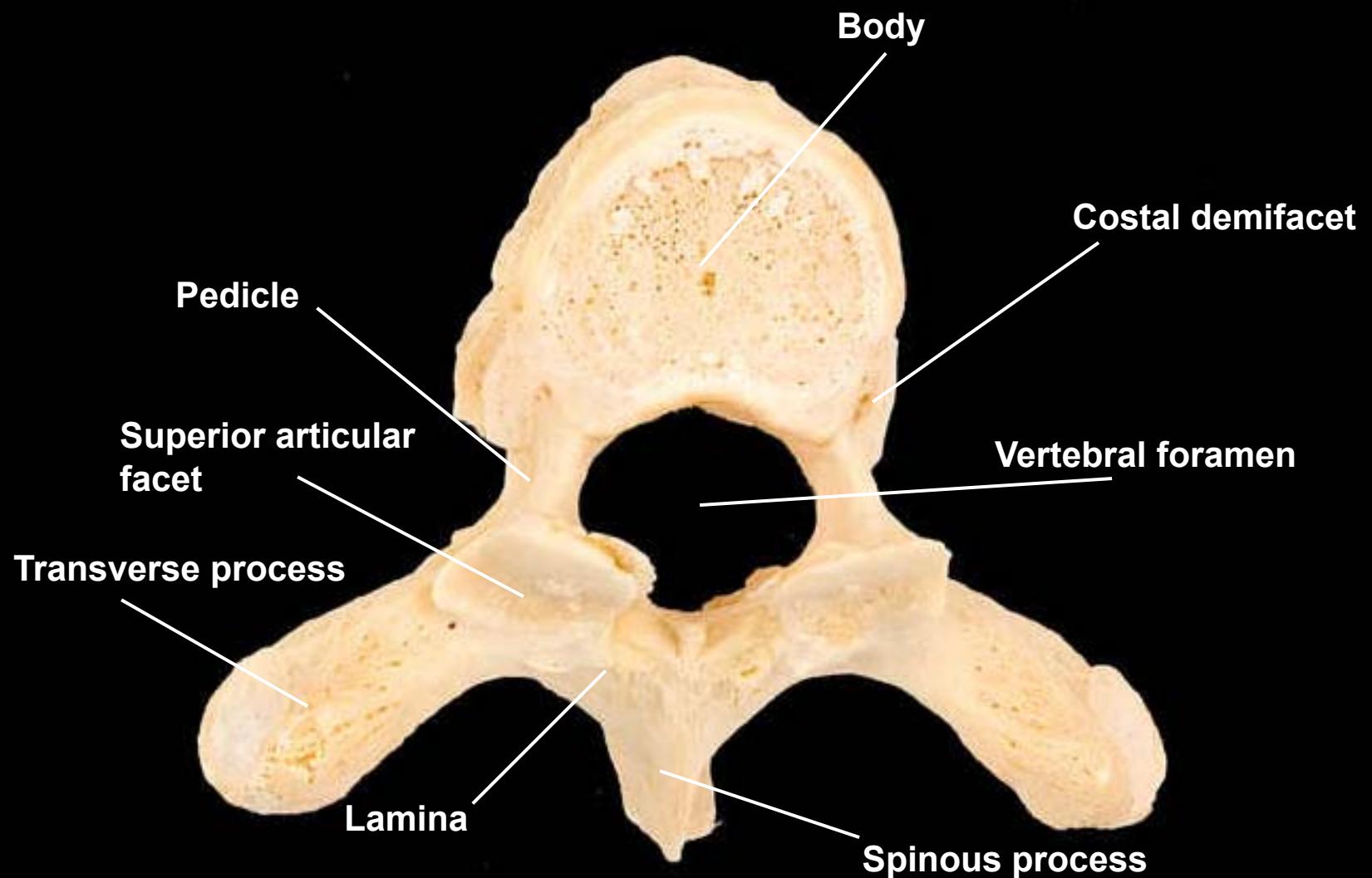


Cervical vertebra, lateral view, right side

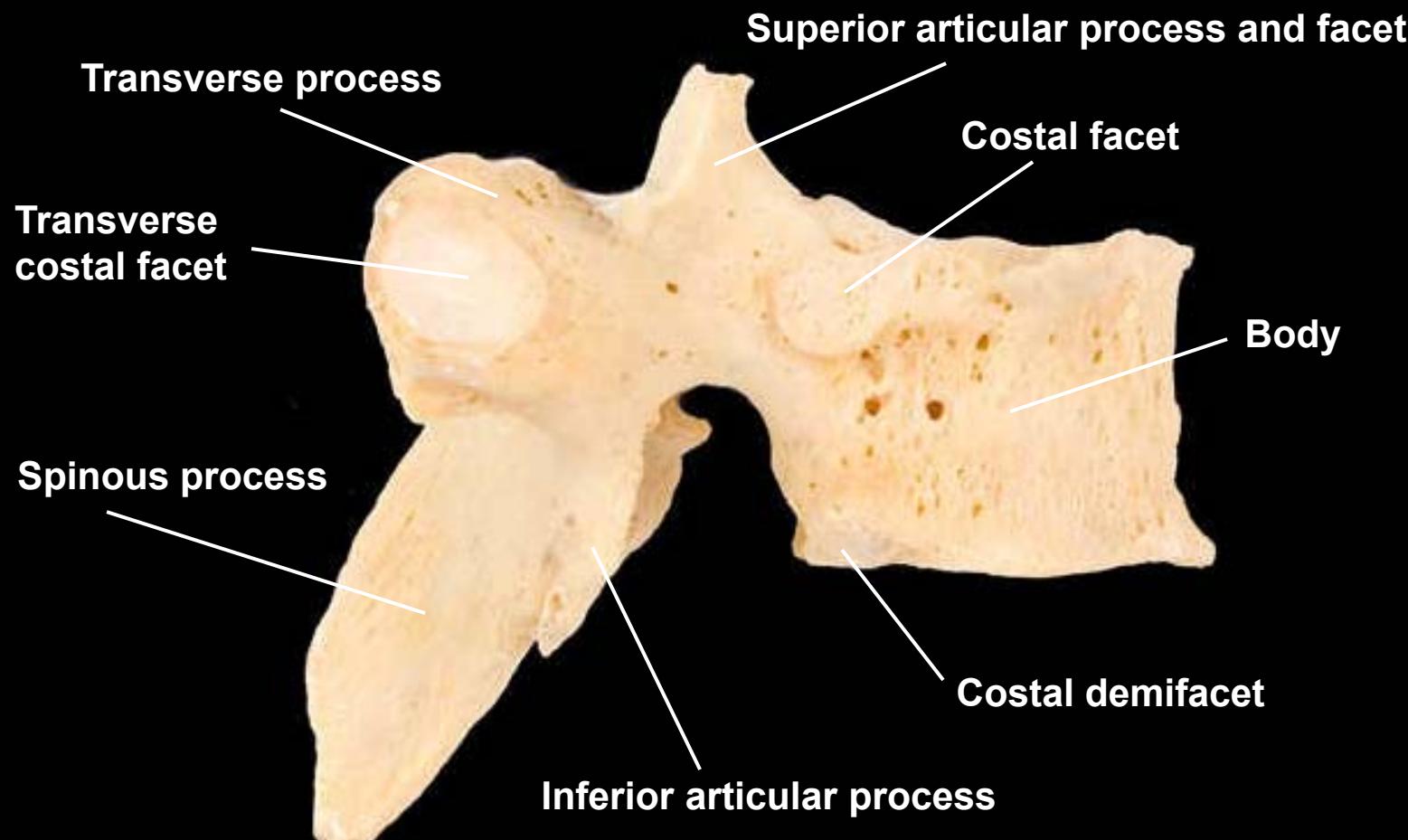




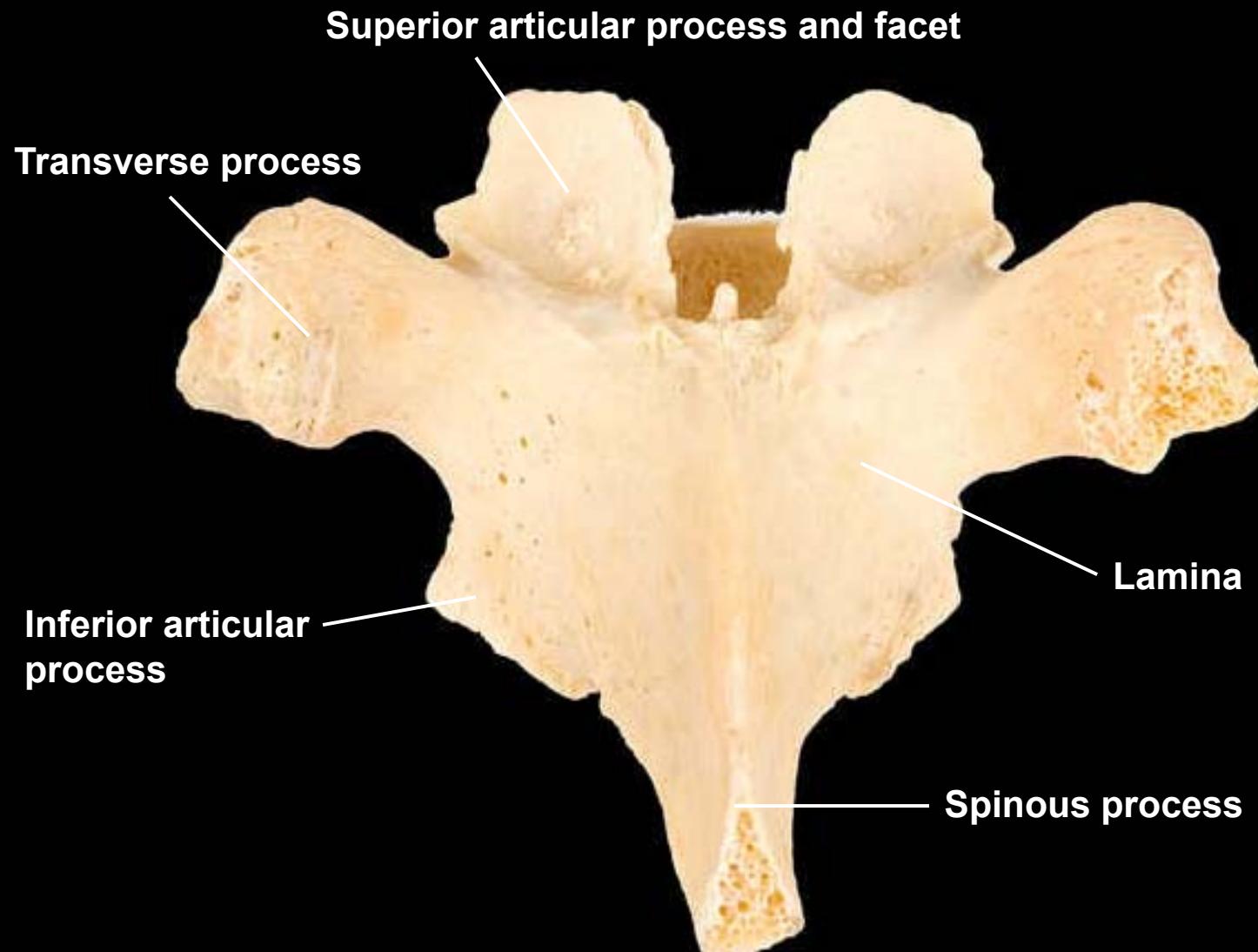
Thoracic vertebra, superior view



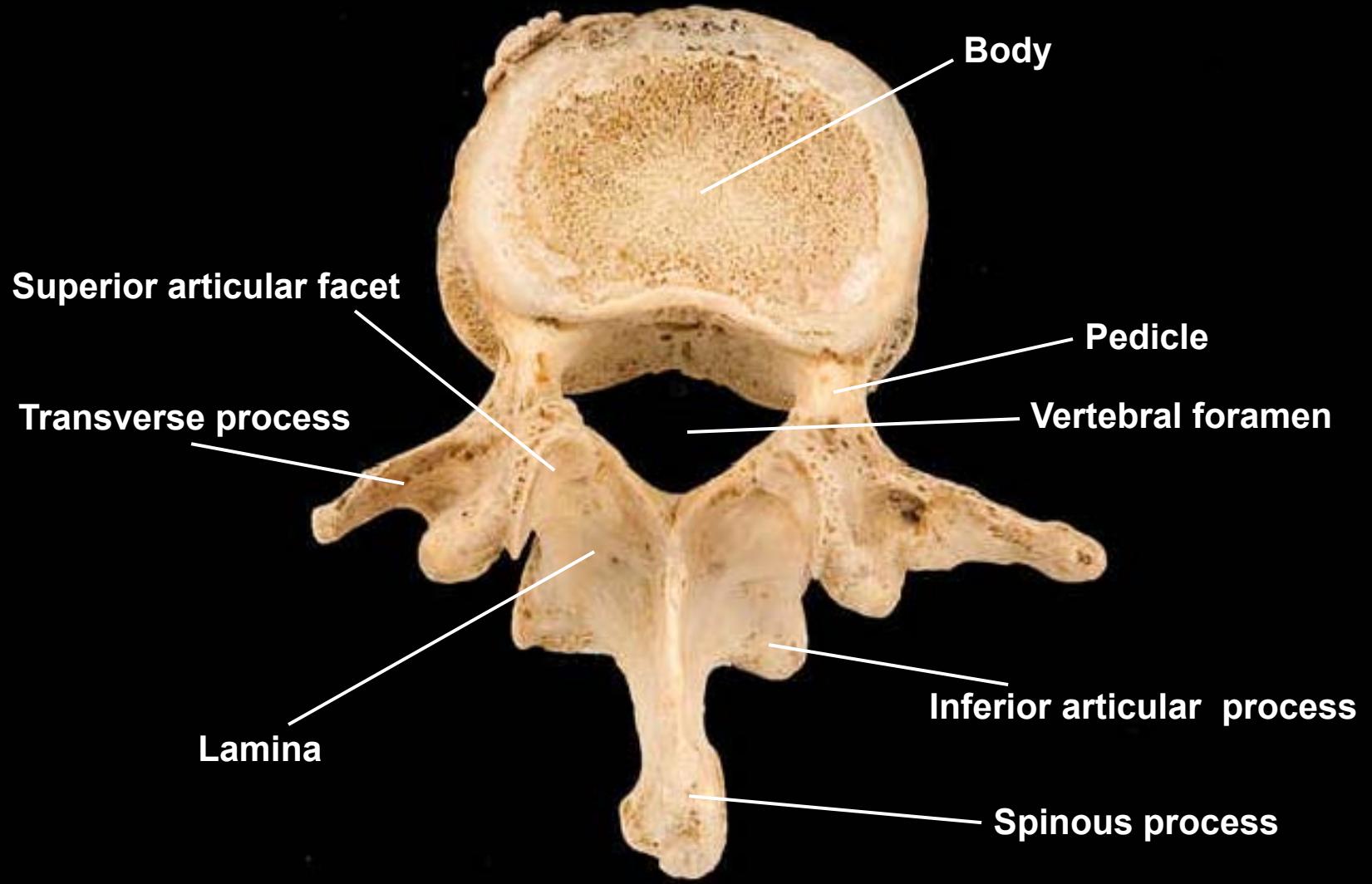
Thoracic vertebra, lateral view, right side



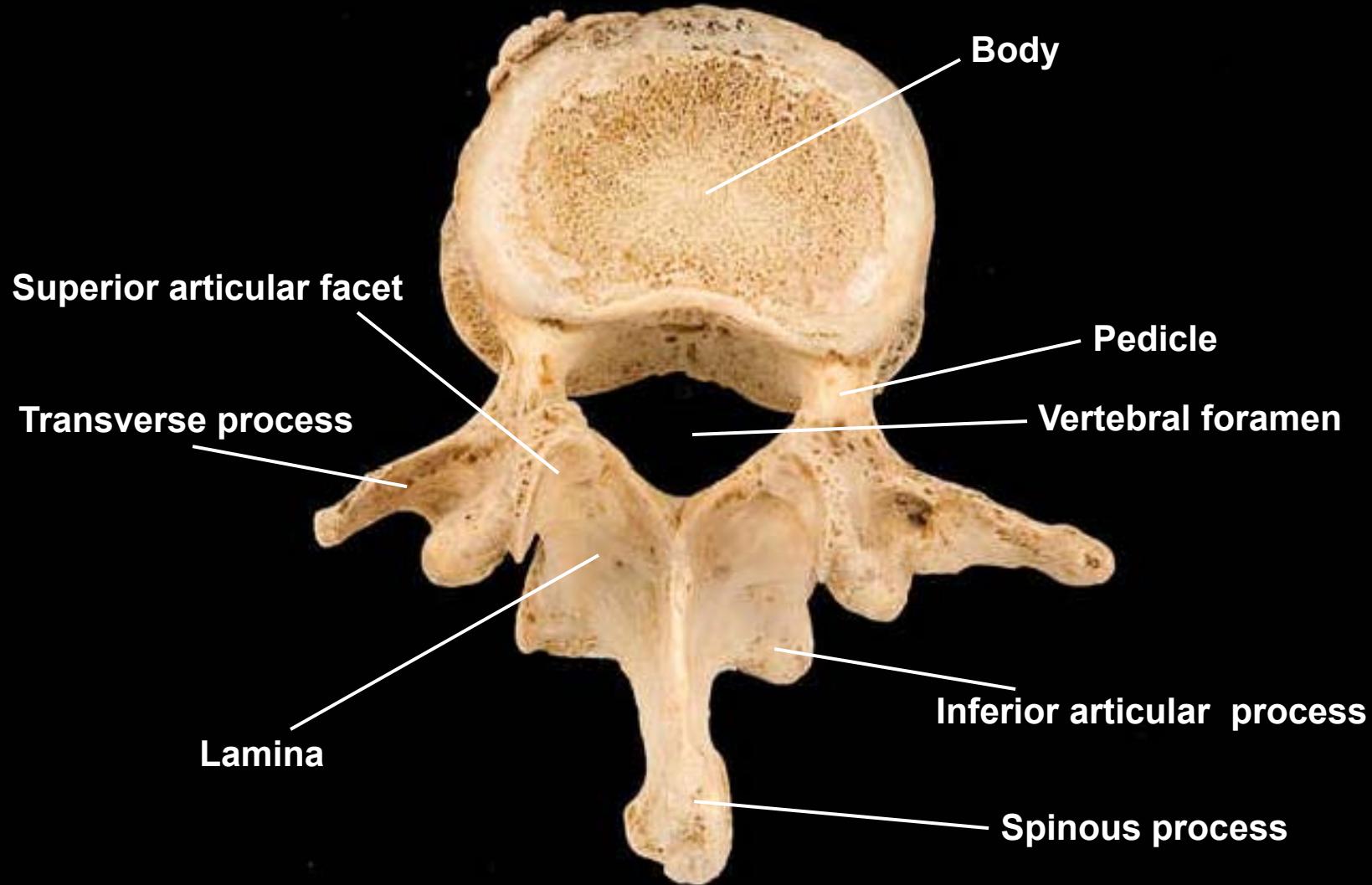
Thoracic vertebra, posterior view



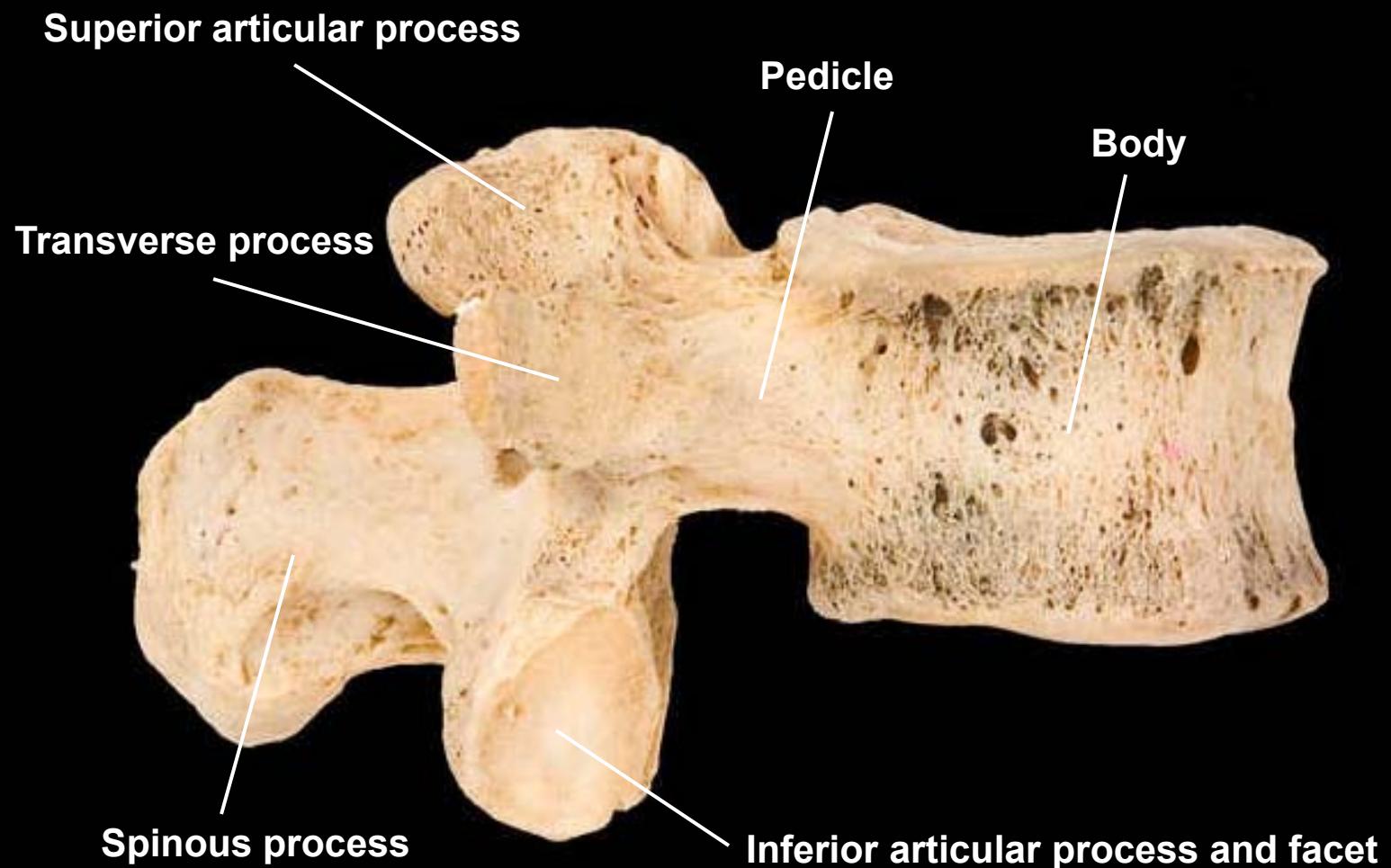
?



Lumbar vertebra, superior view



Lumbar vertebra, lateral view, right side



Lumbar vertebra, lateral view, right side



Lumbar vertebra, posterior view

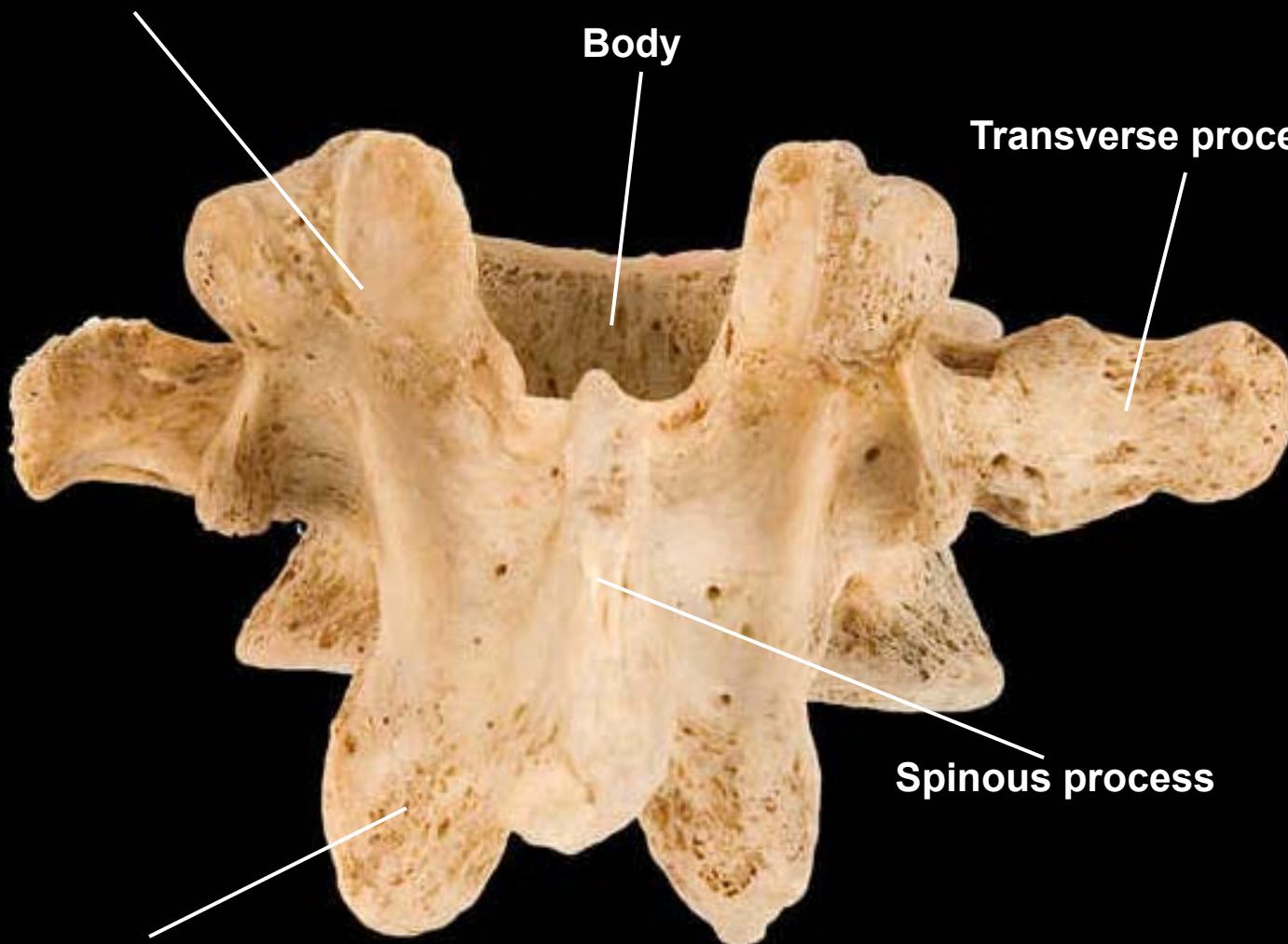
Superior articular process and facet

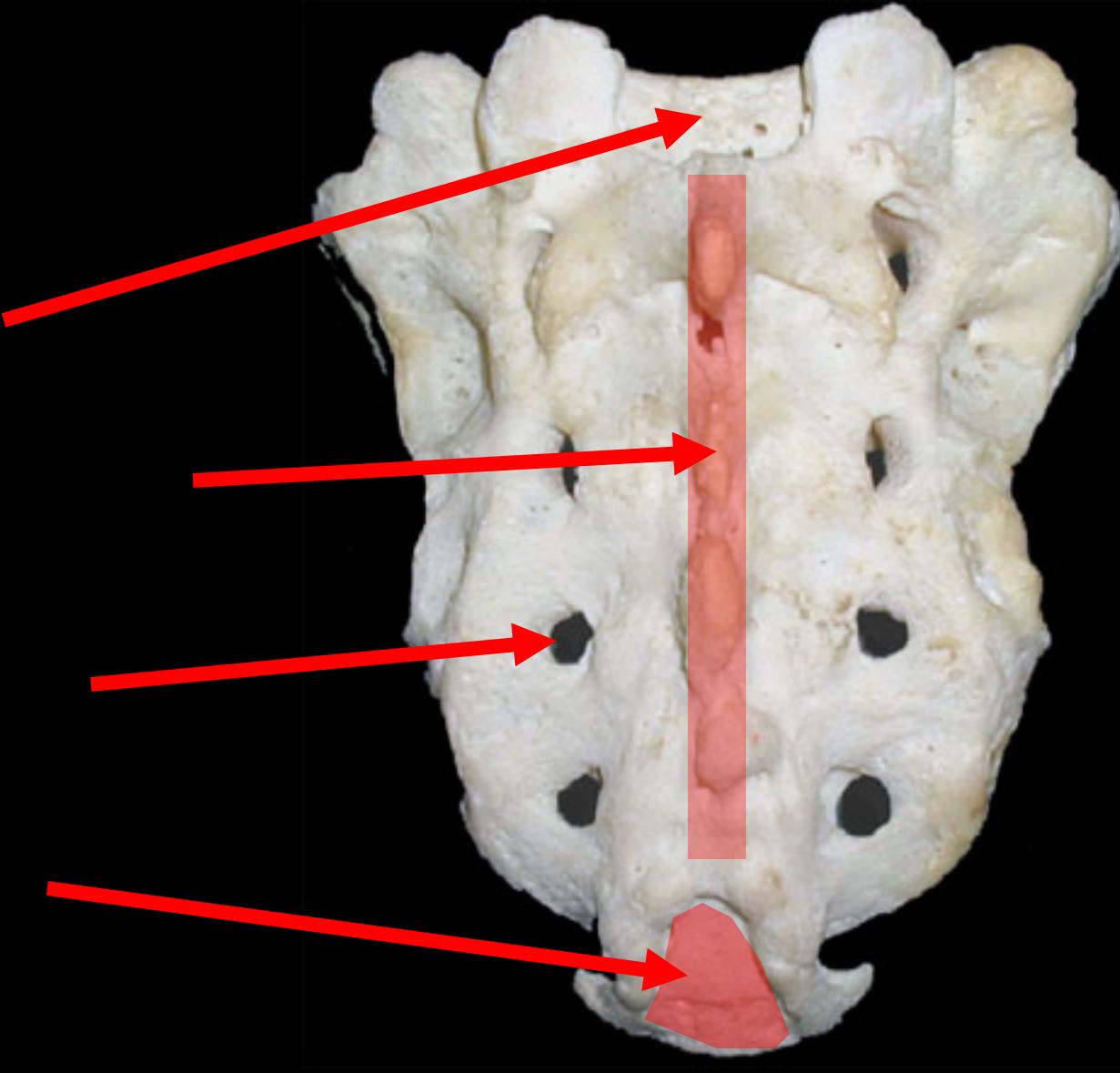
Body

Transverse process

Spinous process

Inferior articular process





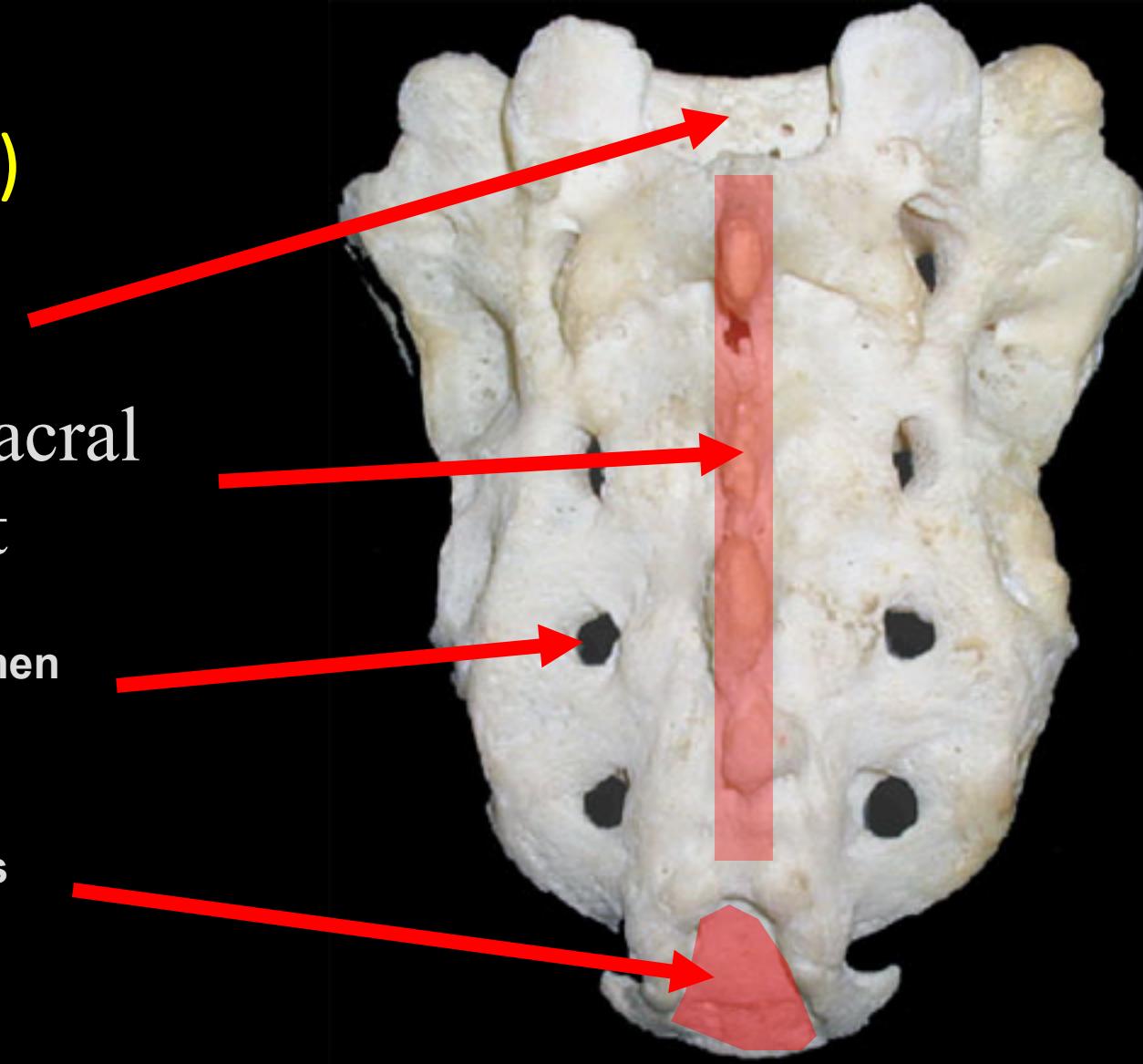
Sacrum
(5 fused vertebrae)

sacral canal

medial sacral
crest

sacral foramen

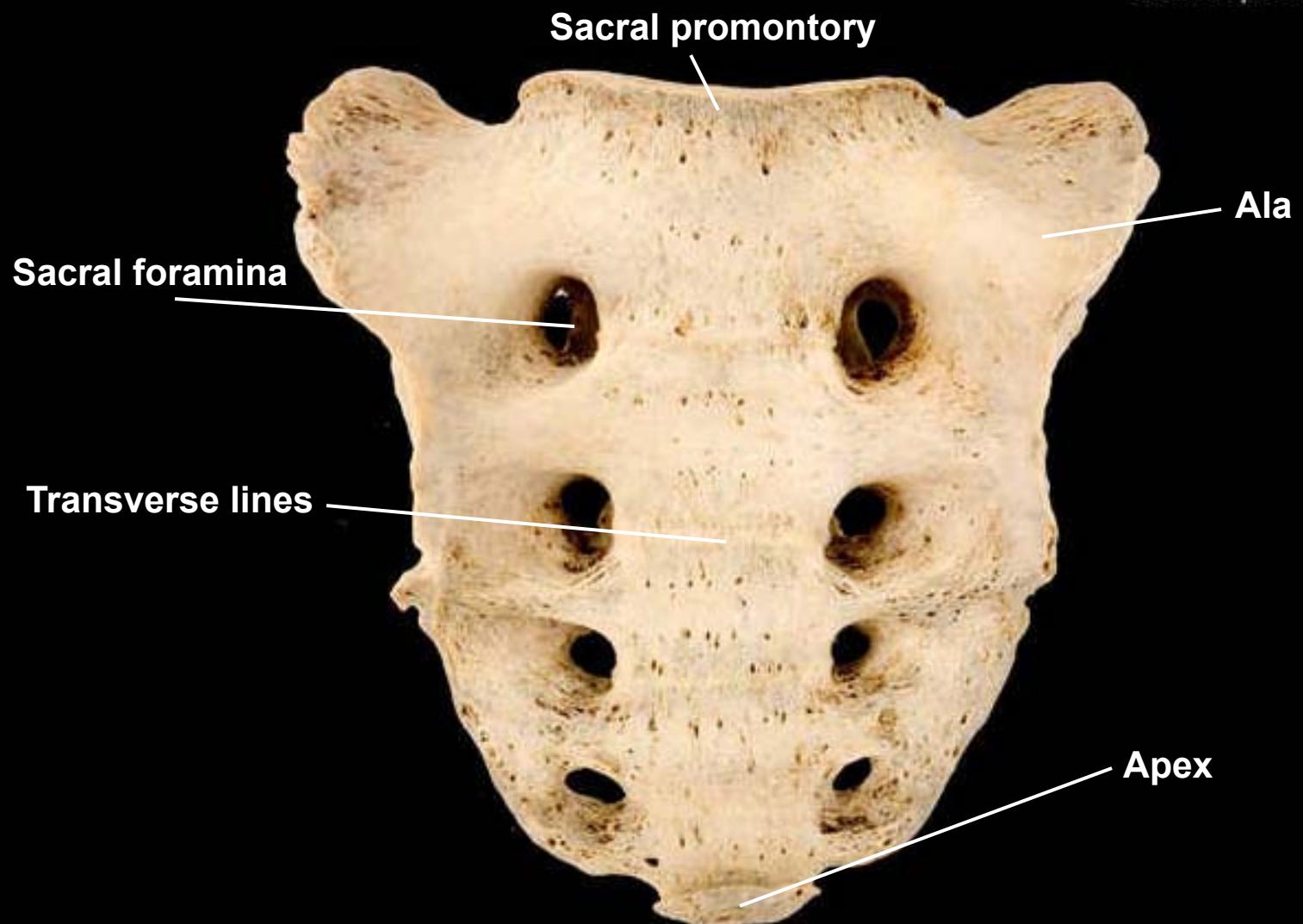
sacral hiatus

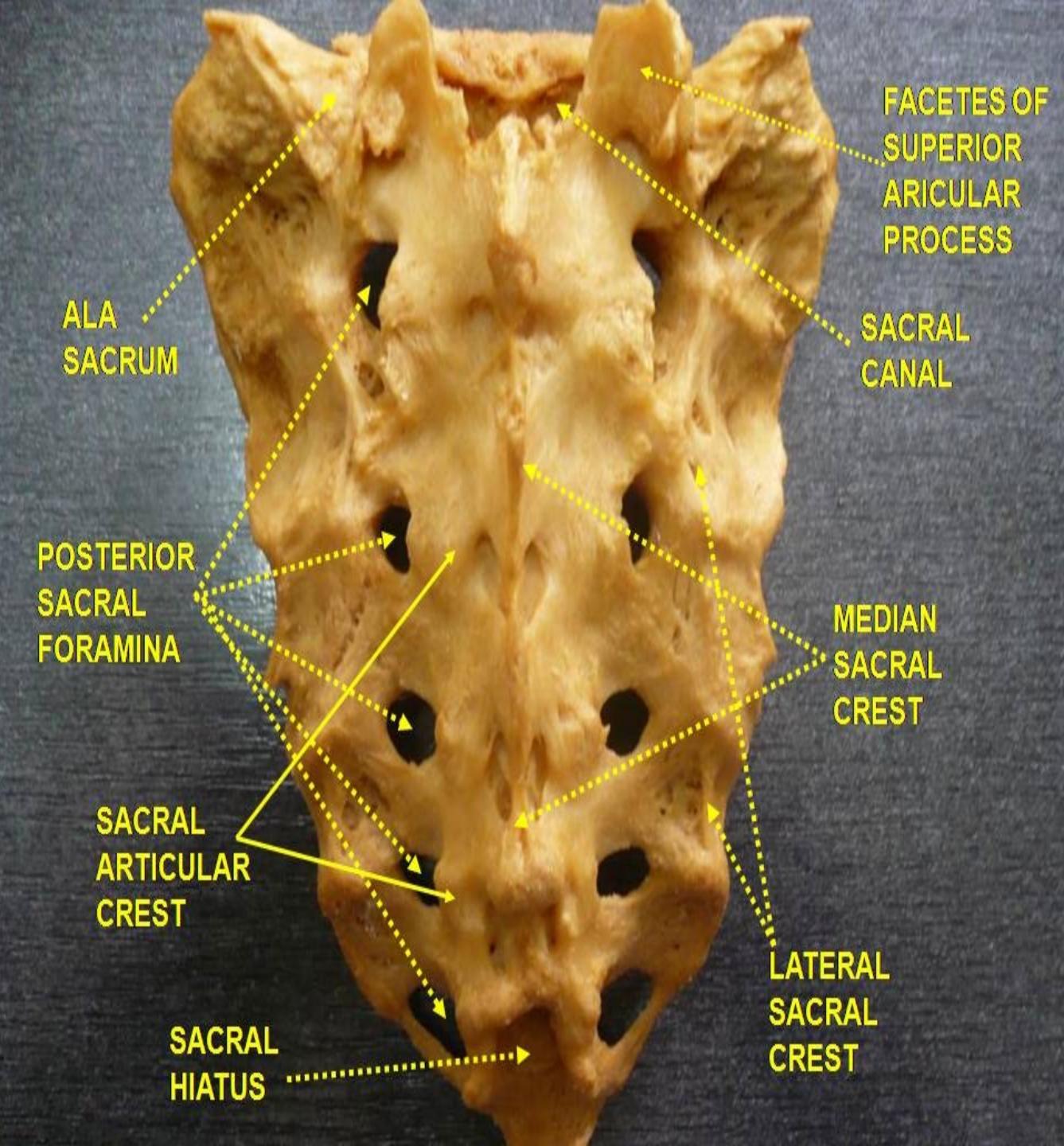
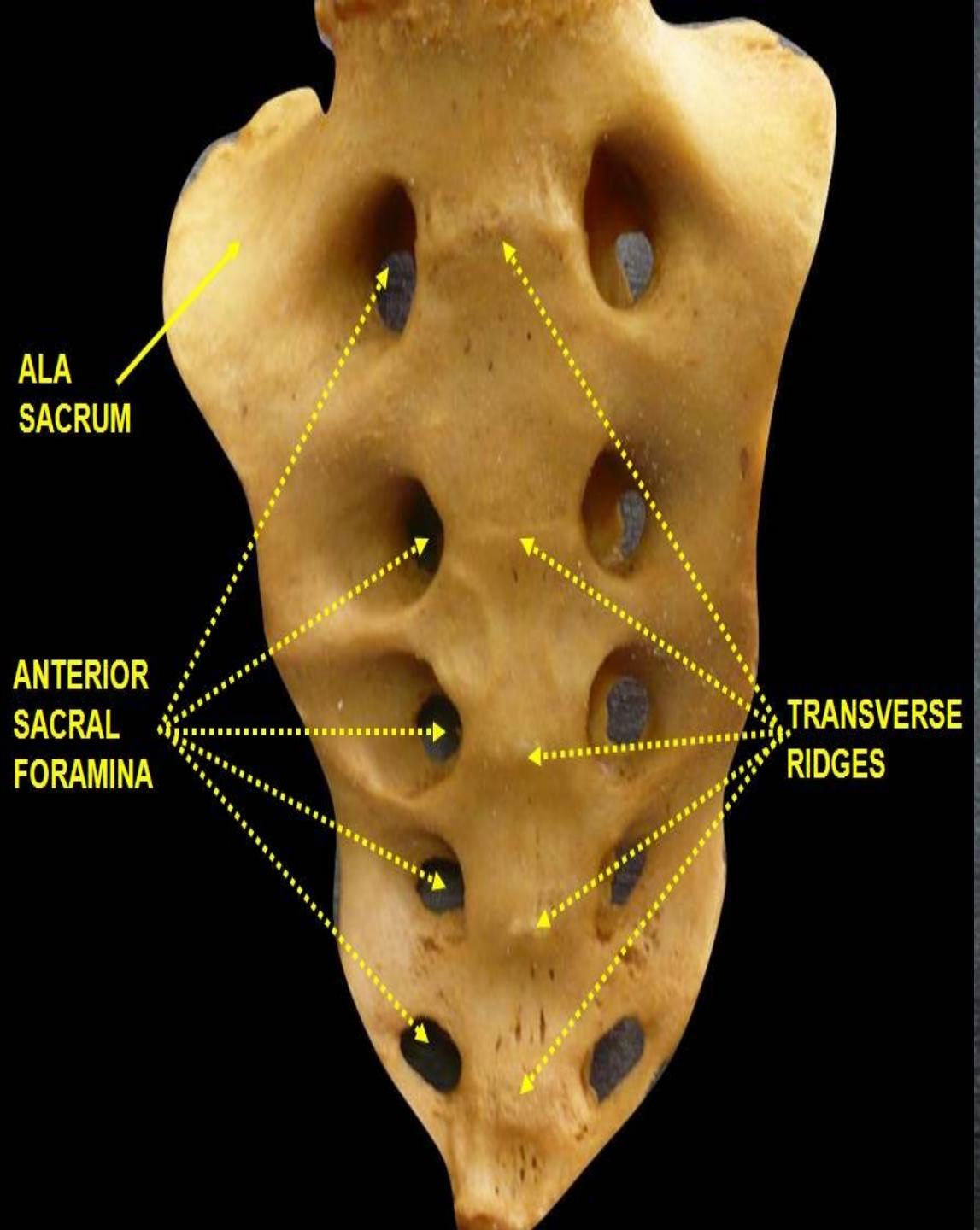


Sacrum, anterior view

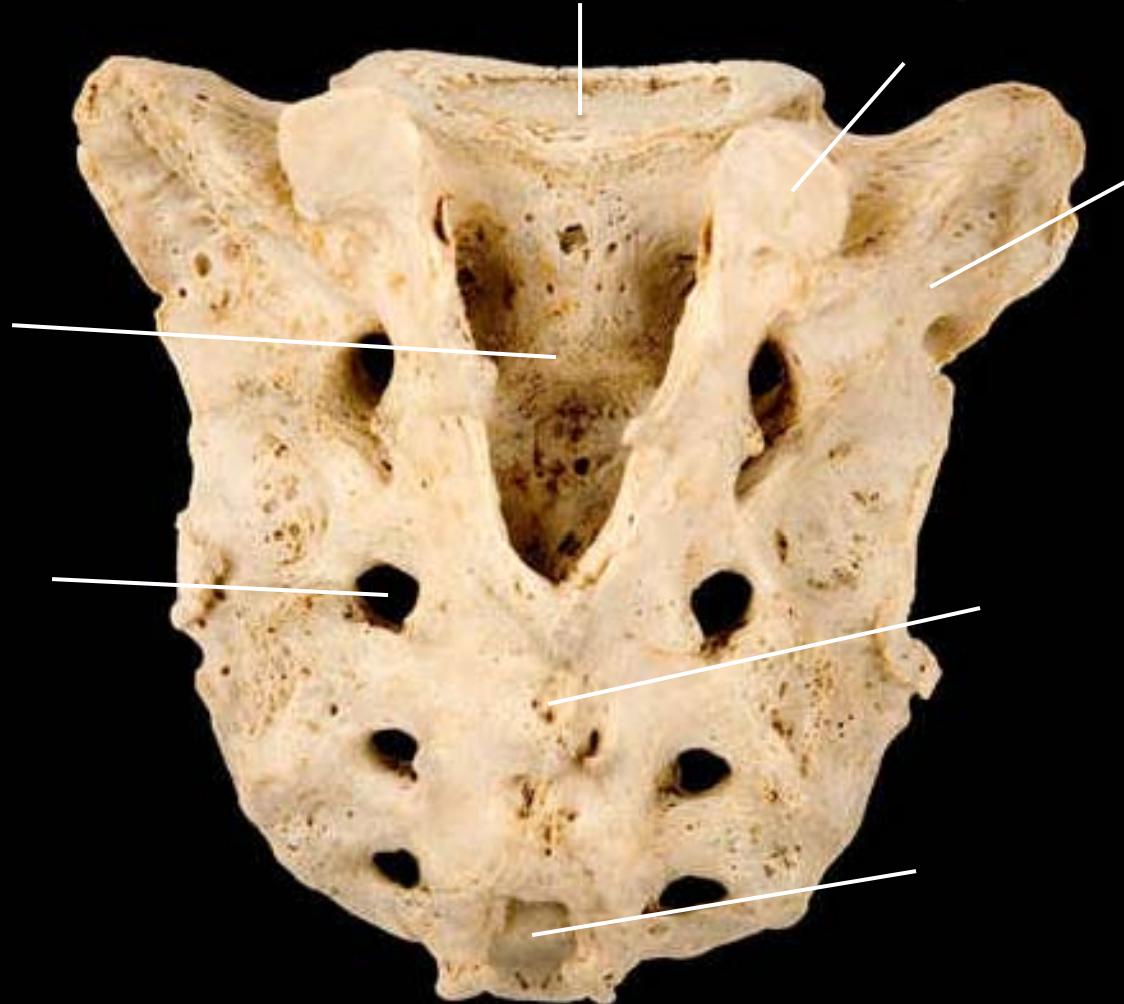


Sacrum, anterior view

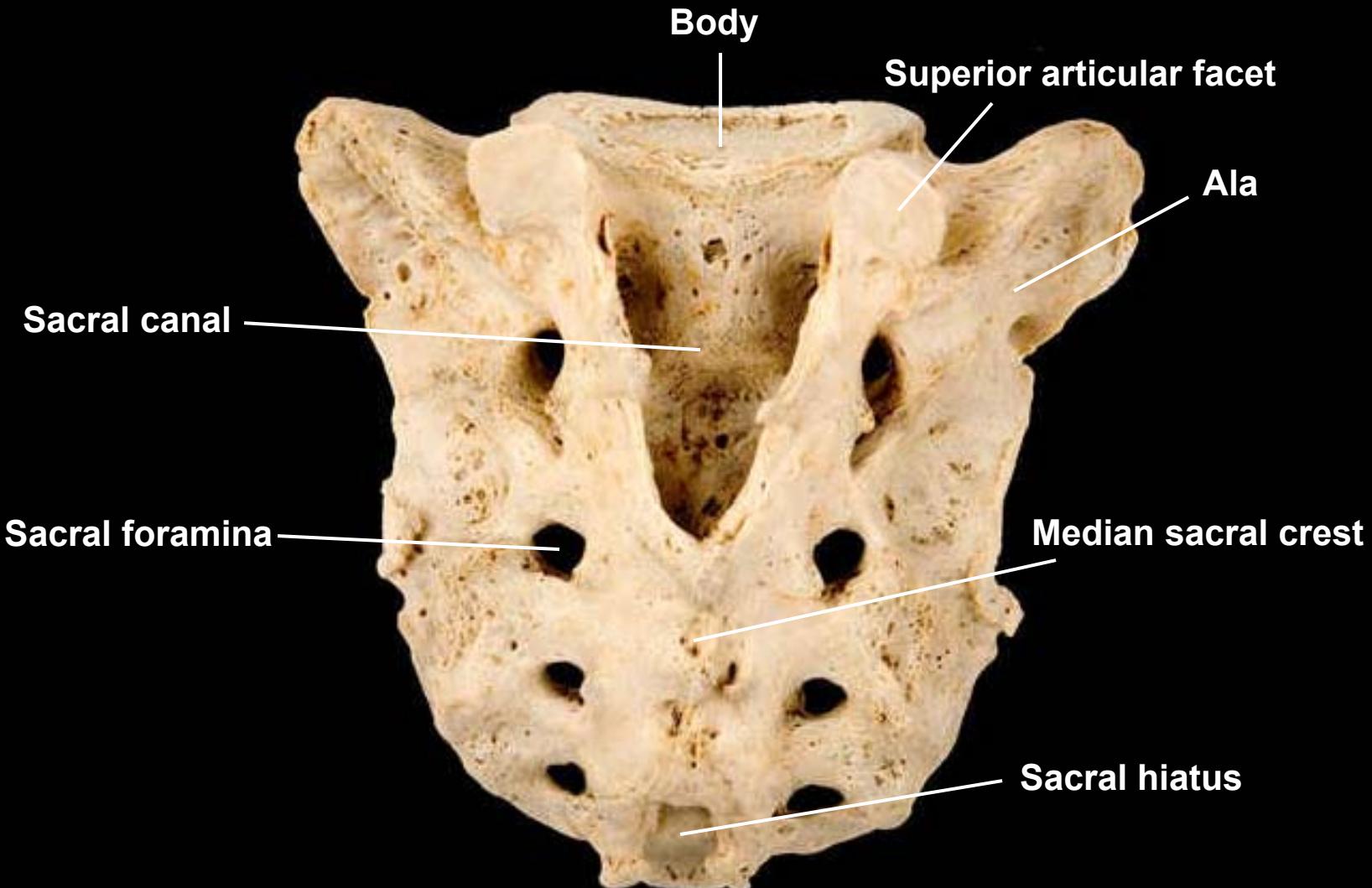




Sacrum, posterior view

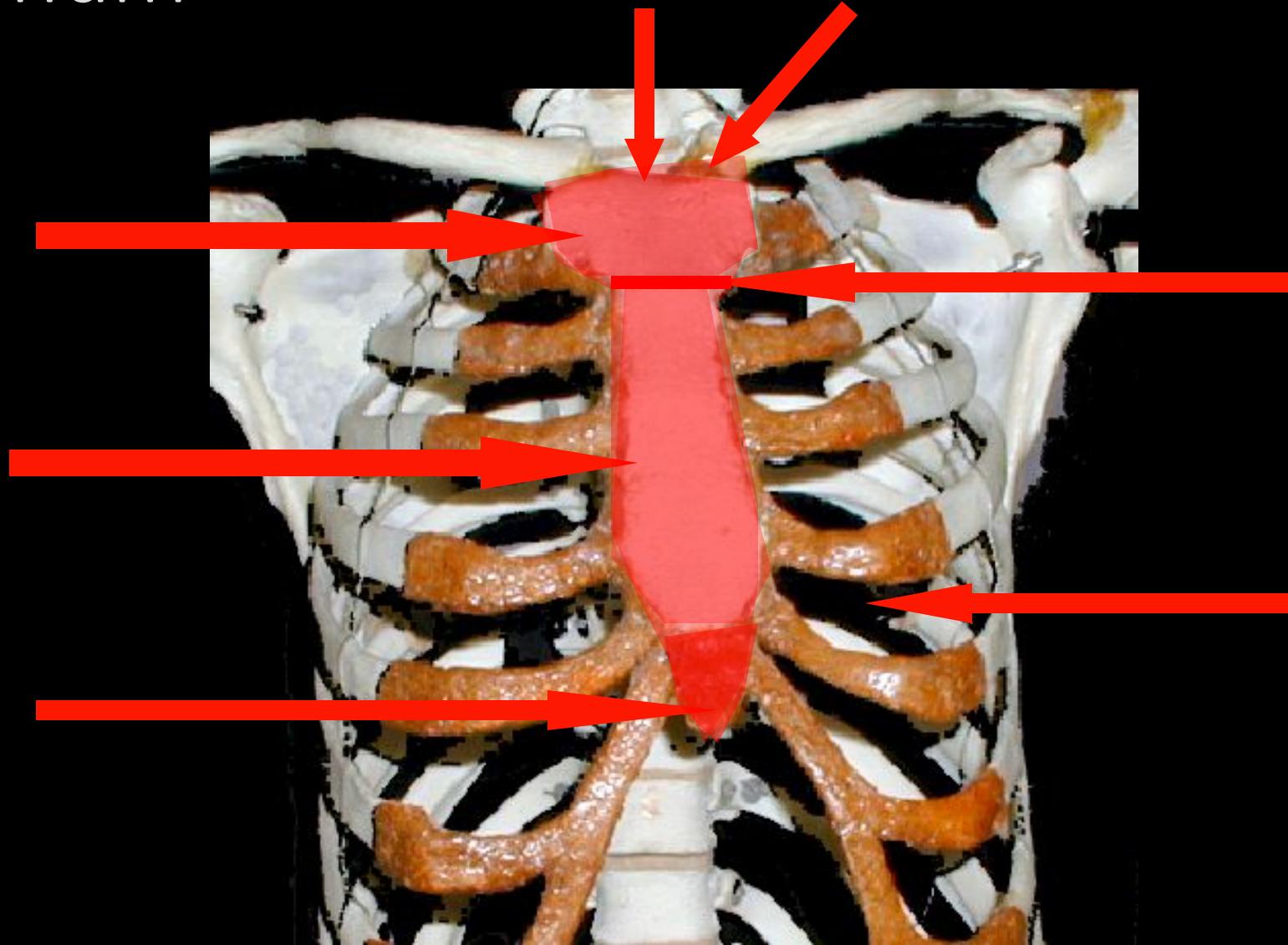


Sacrum, posterior view



The Thorax

Sternum



Sternum

sternal
notch

clavicular
notch

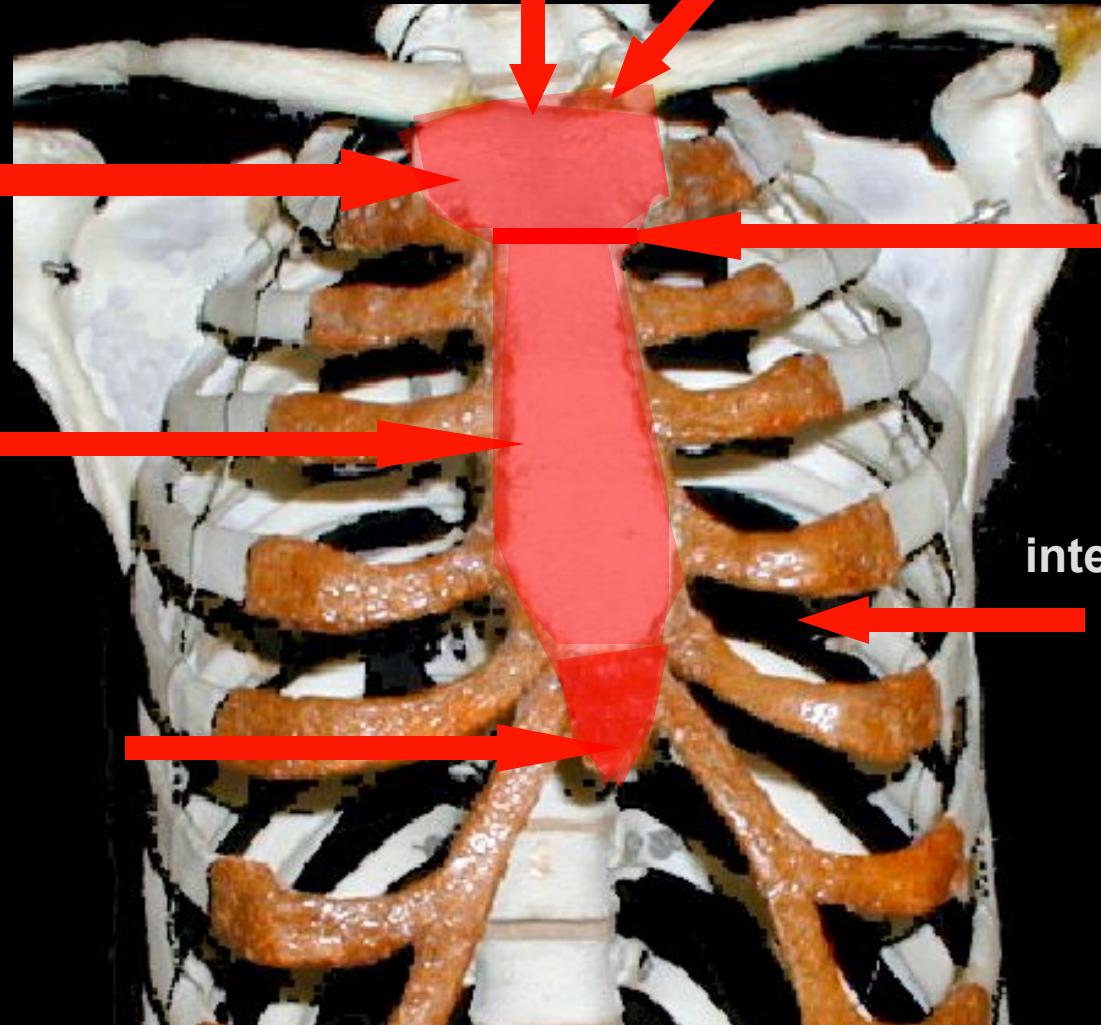
manubrium

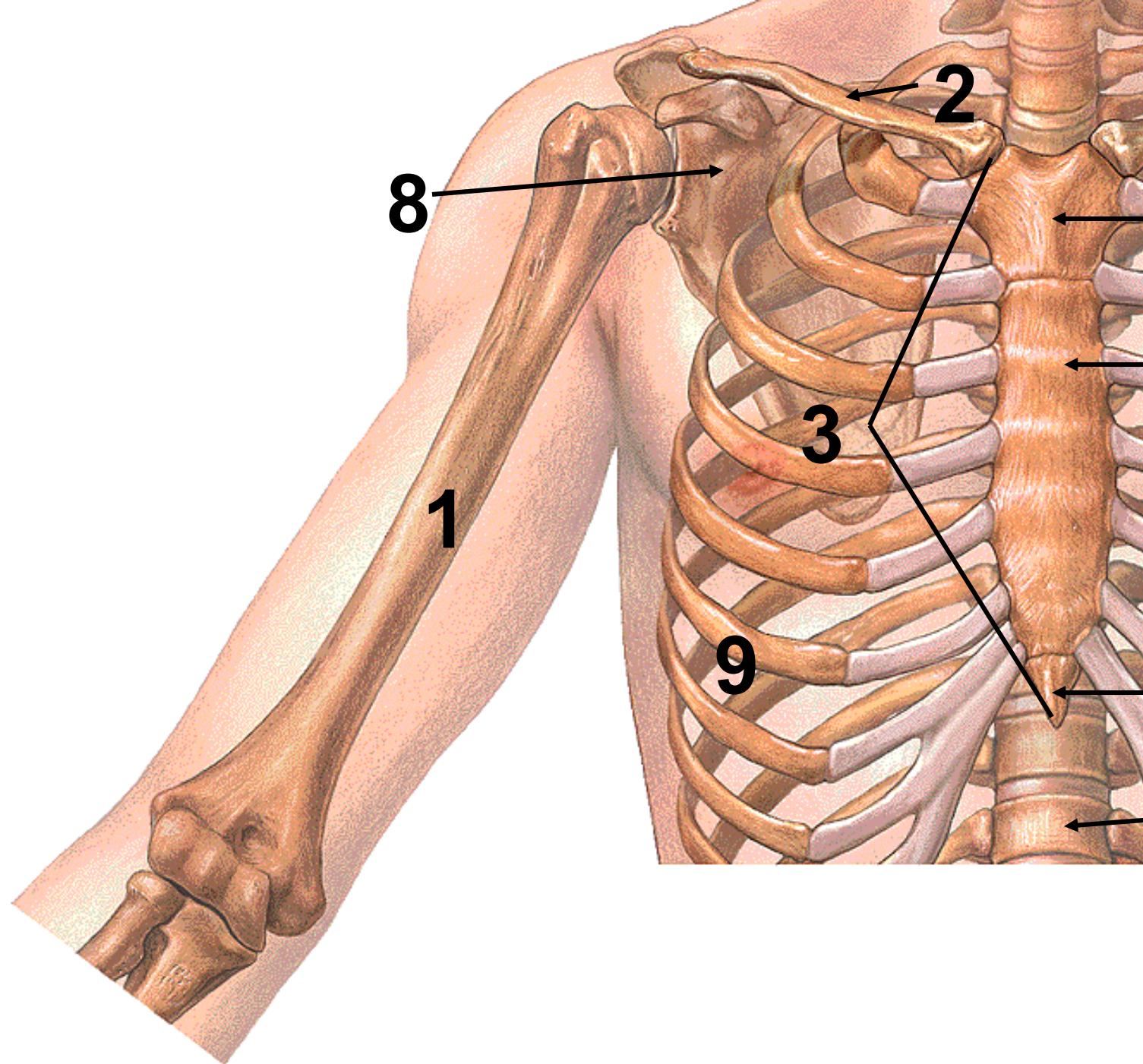
body

xiphoid
process

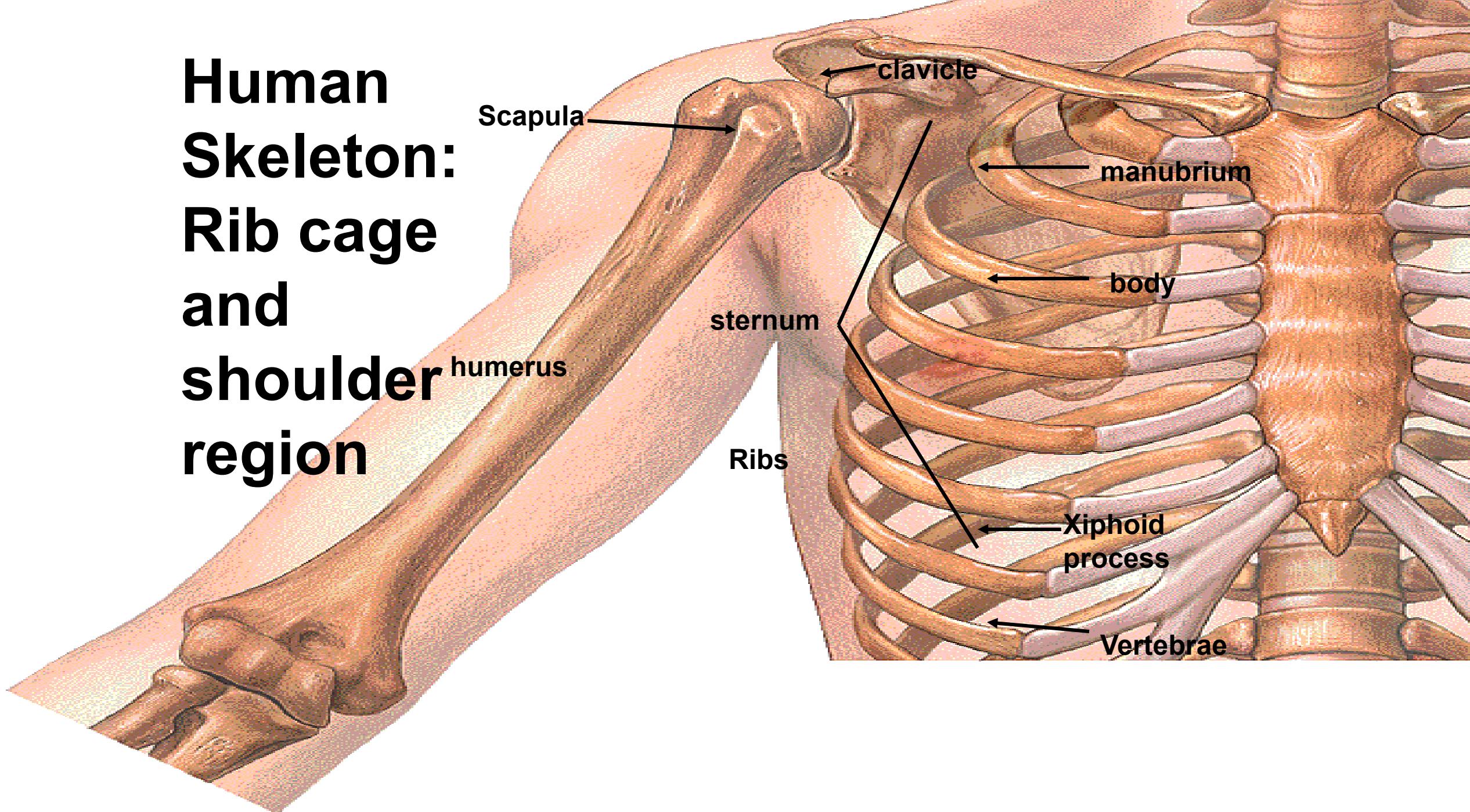
sternal
angle

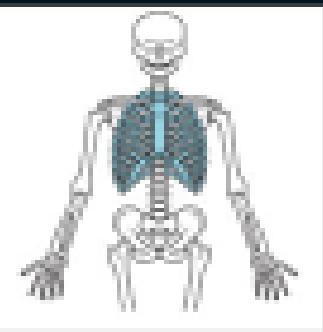
intercostal space



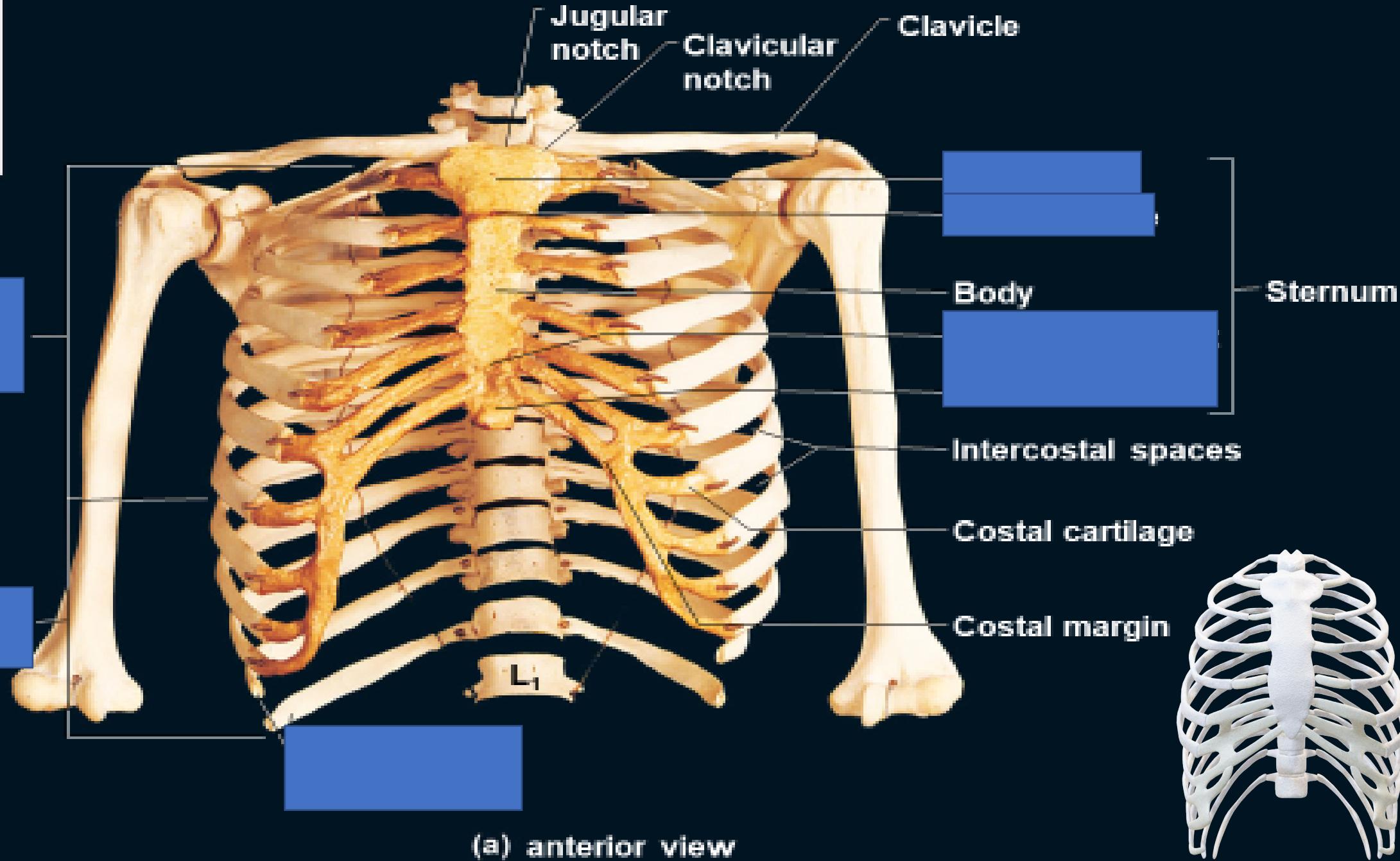


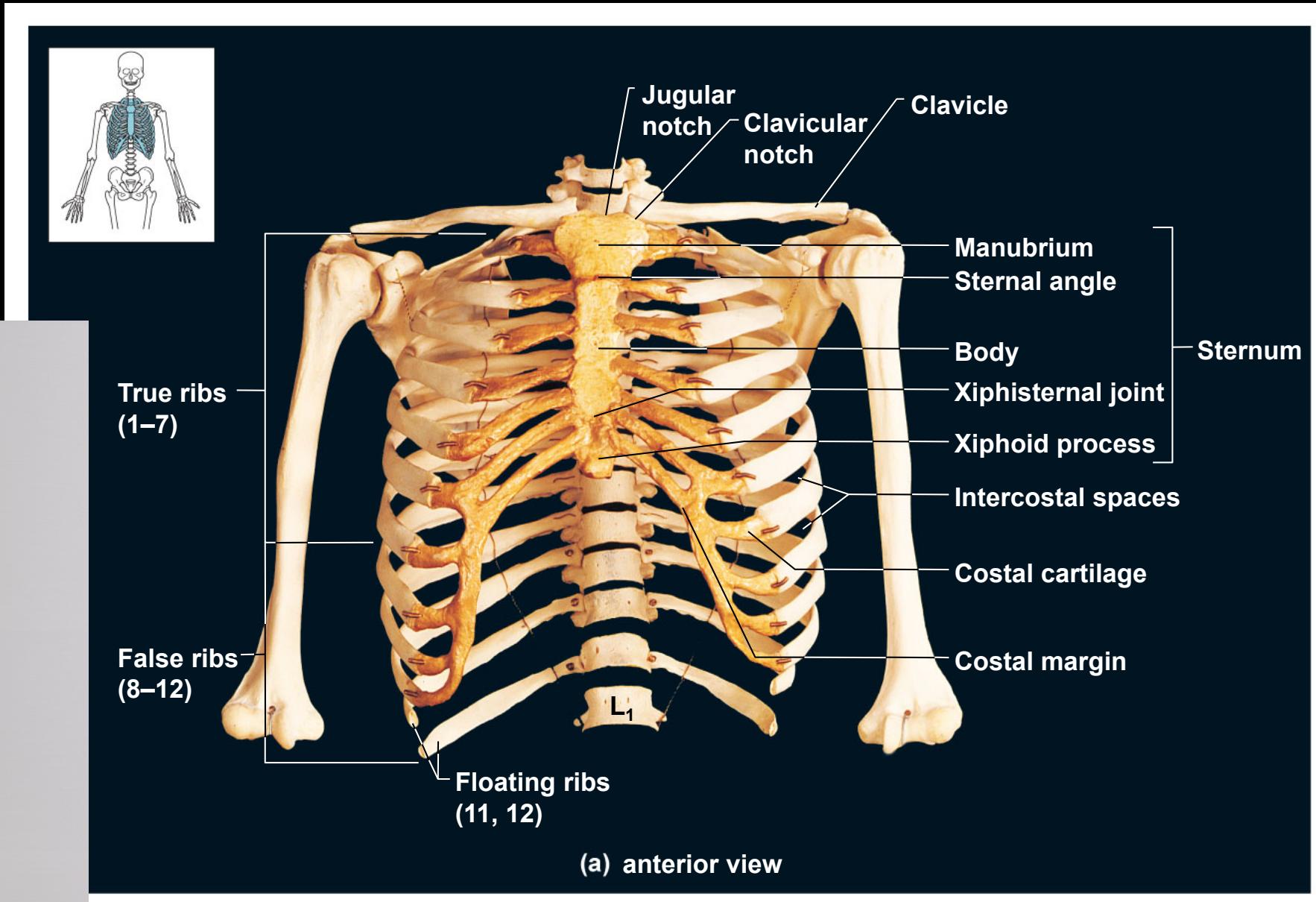
Human Skeleton: Rib cage and shoulder region

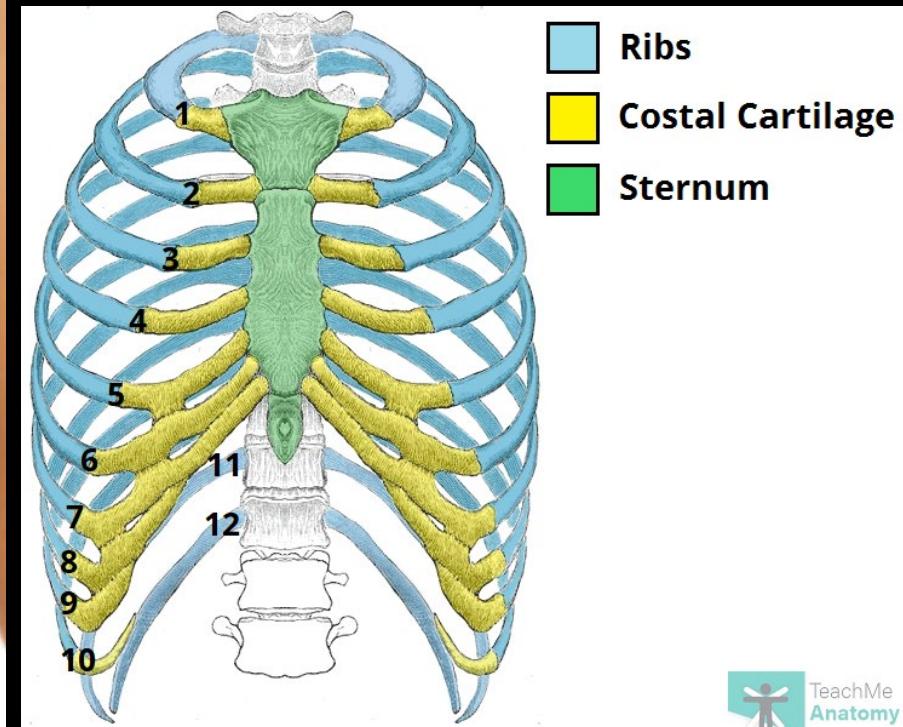
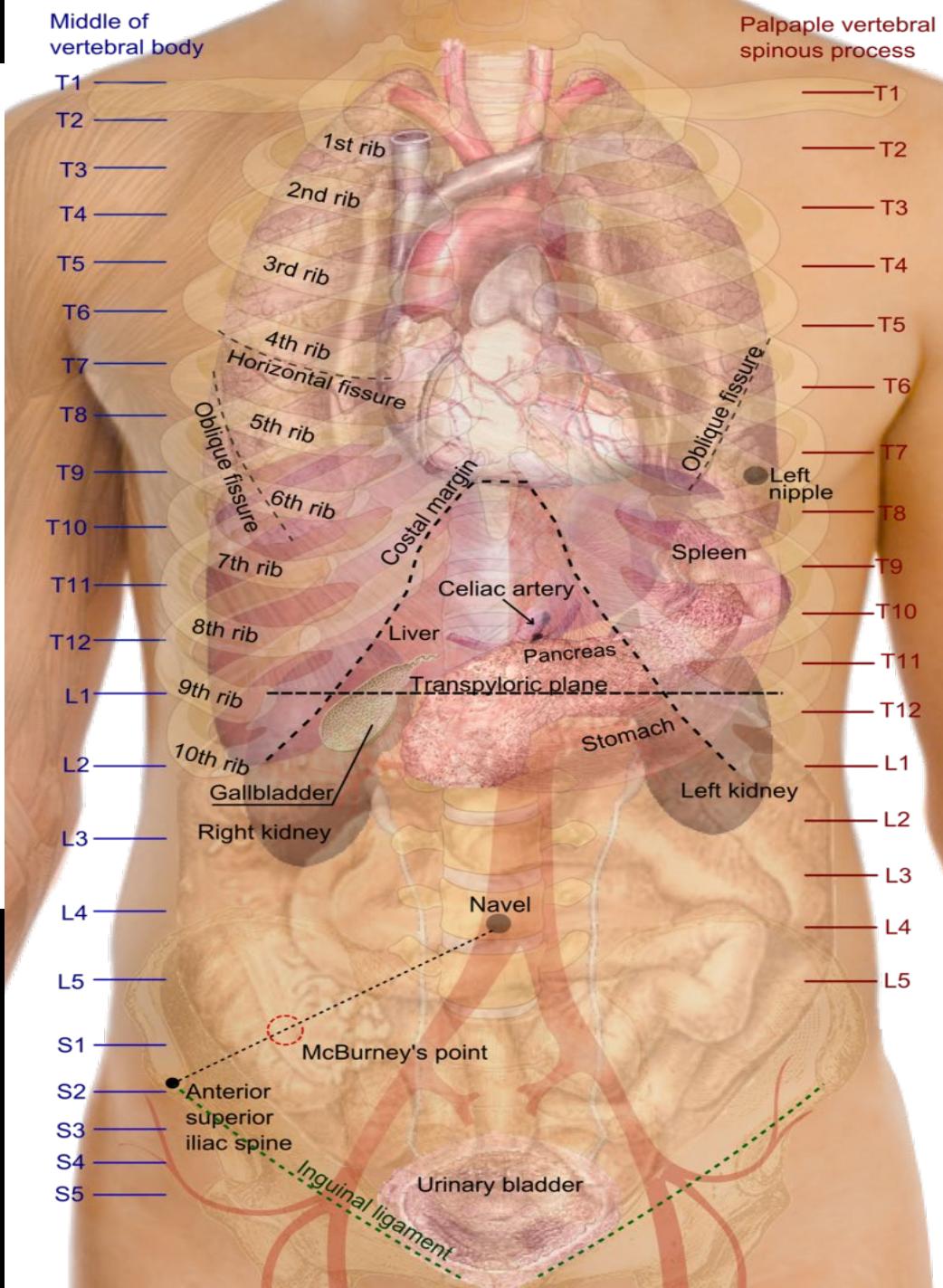
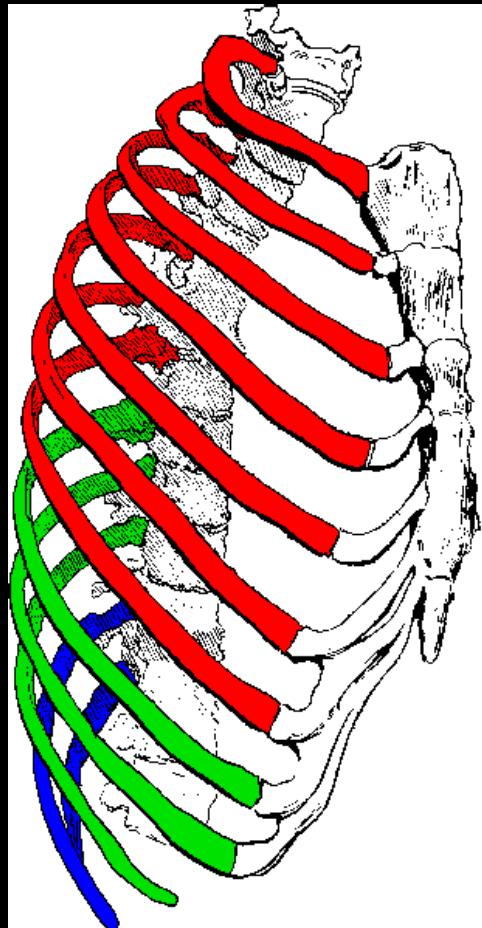


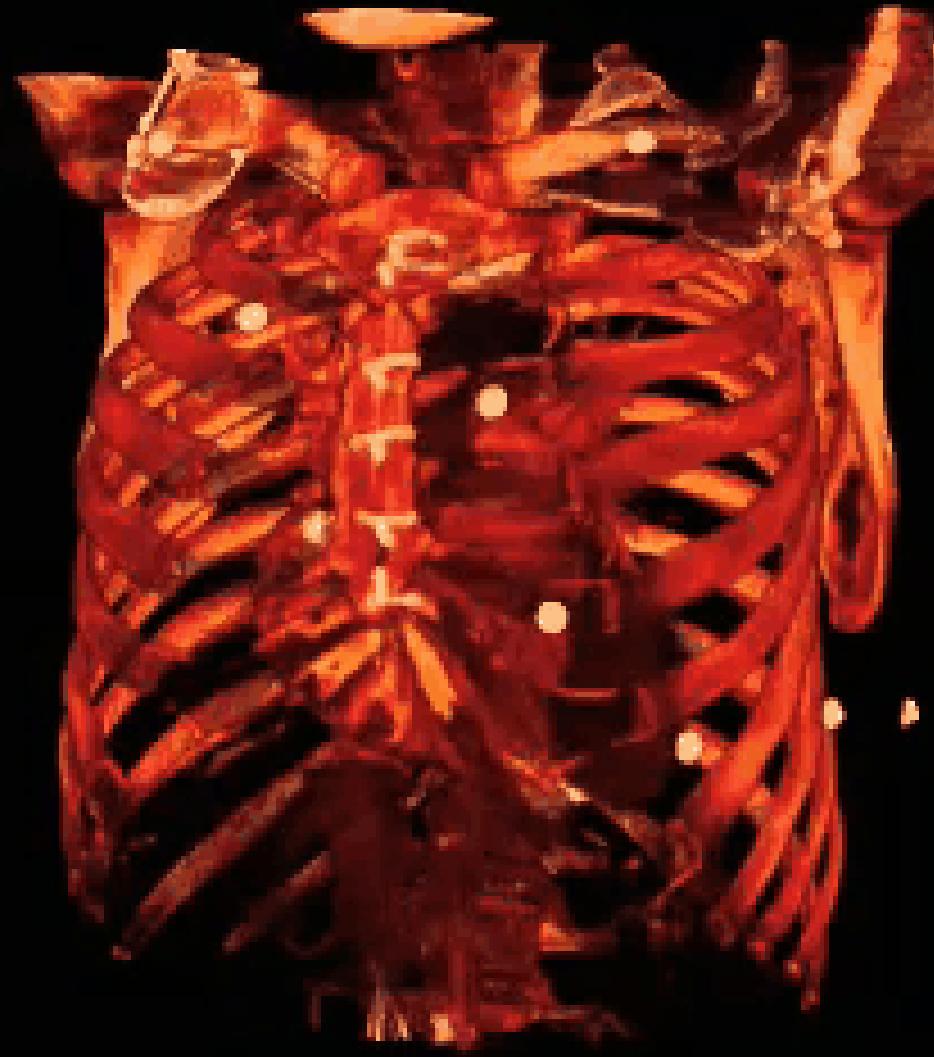


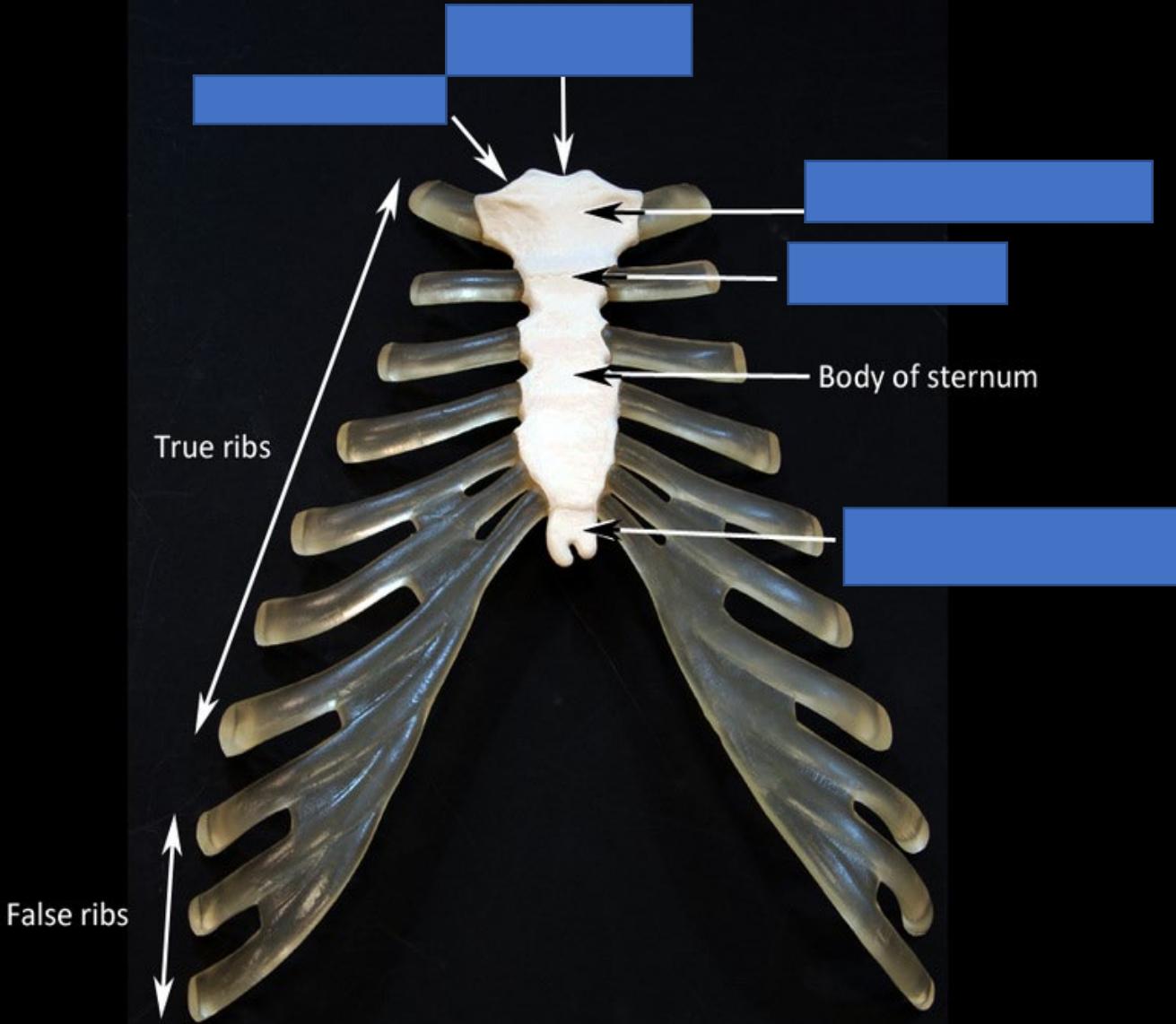
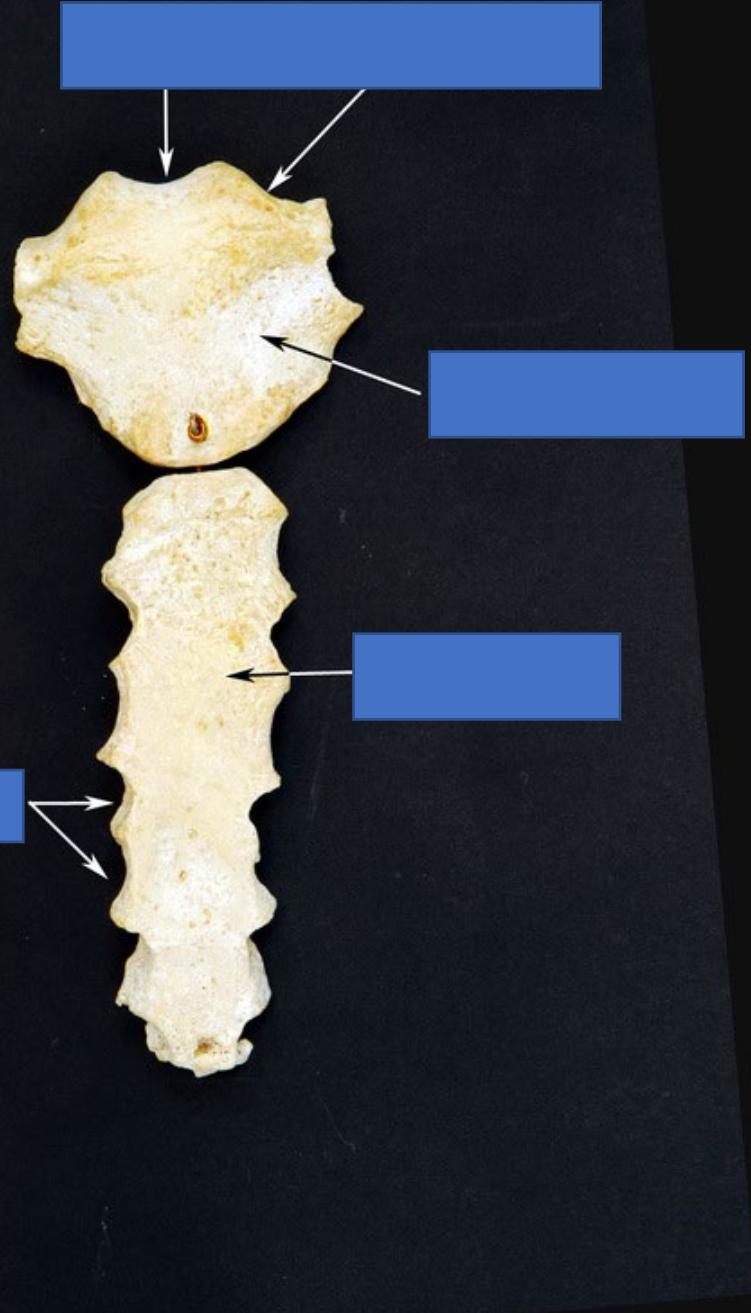
How many
ribs?
What type?

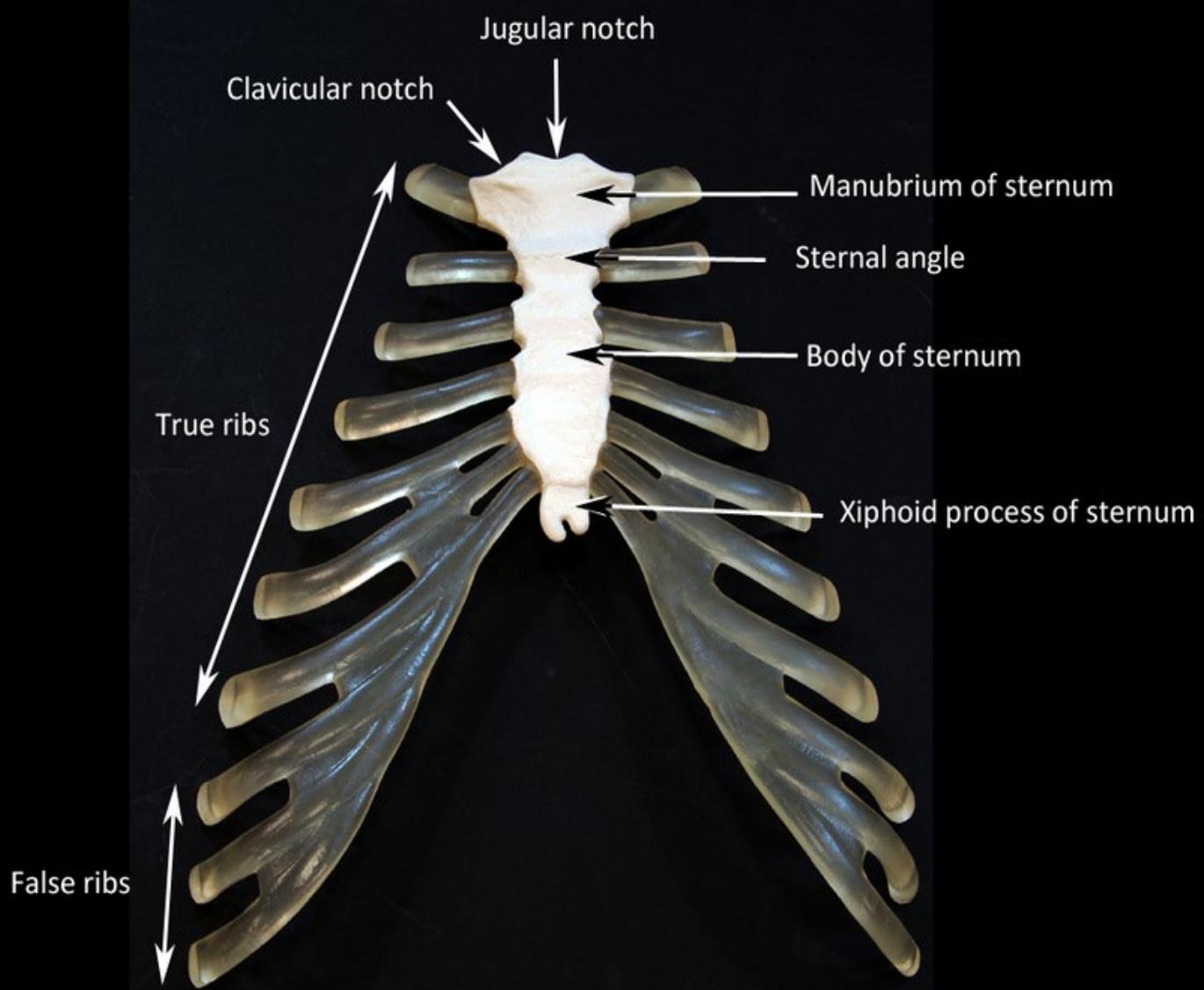
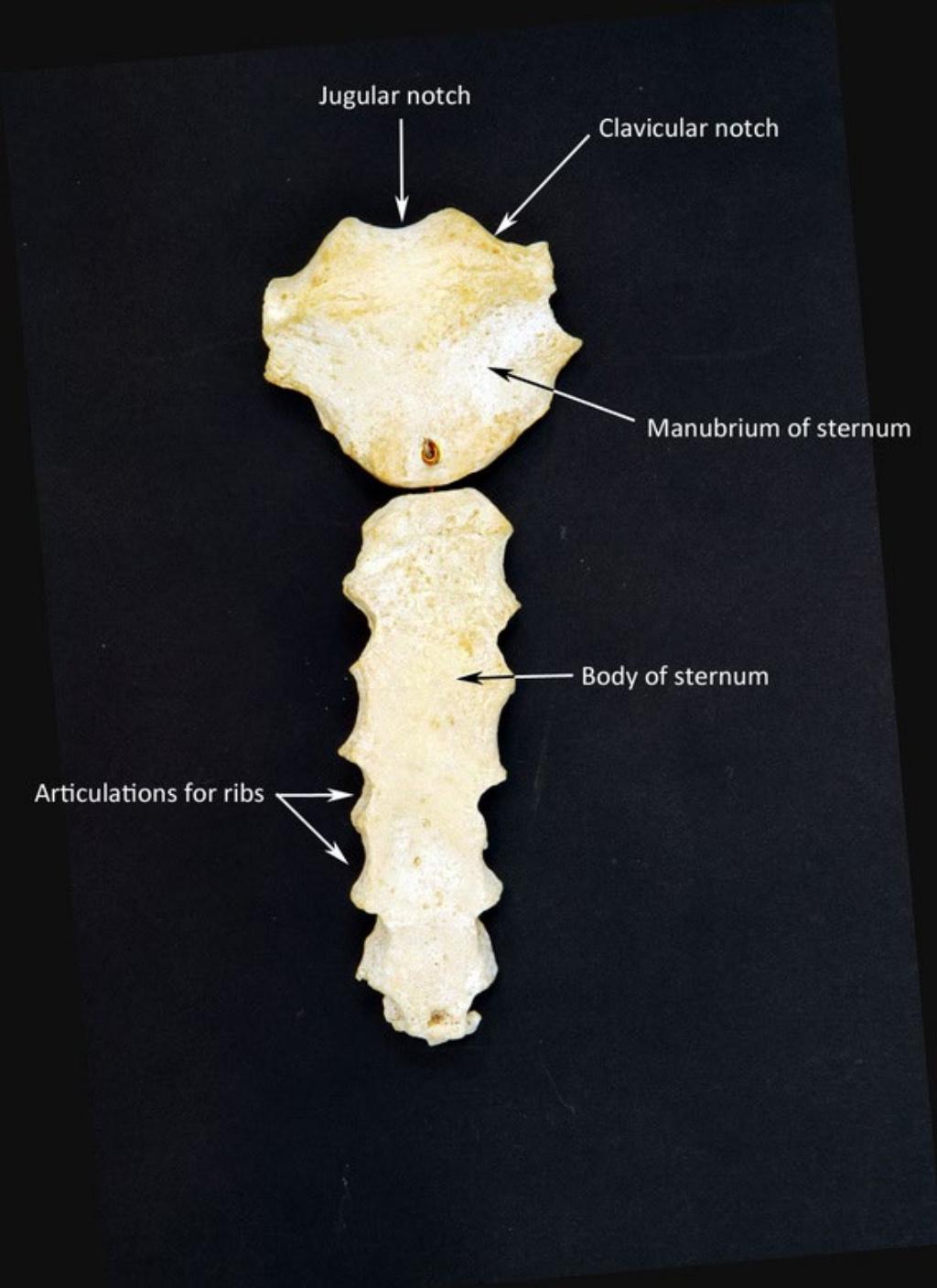




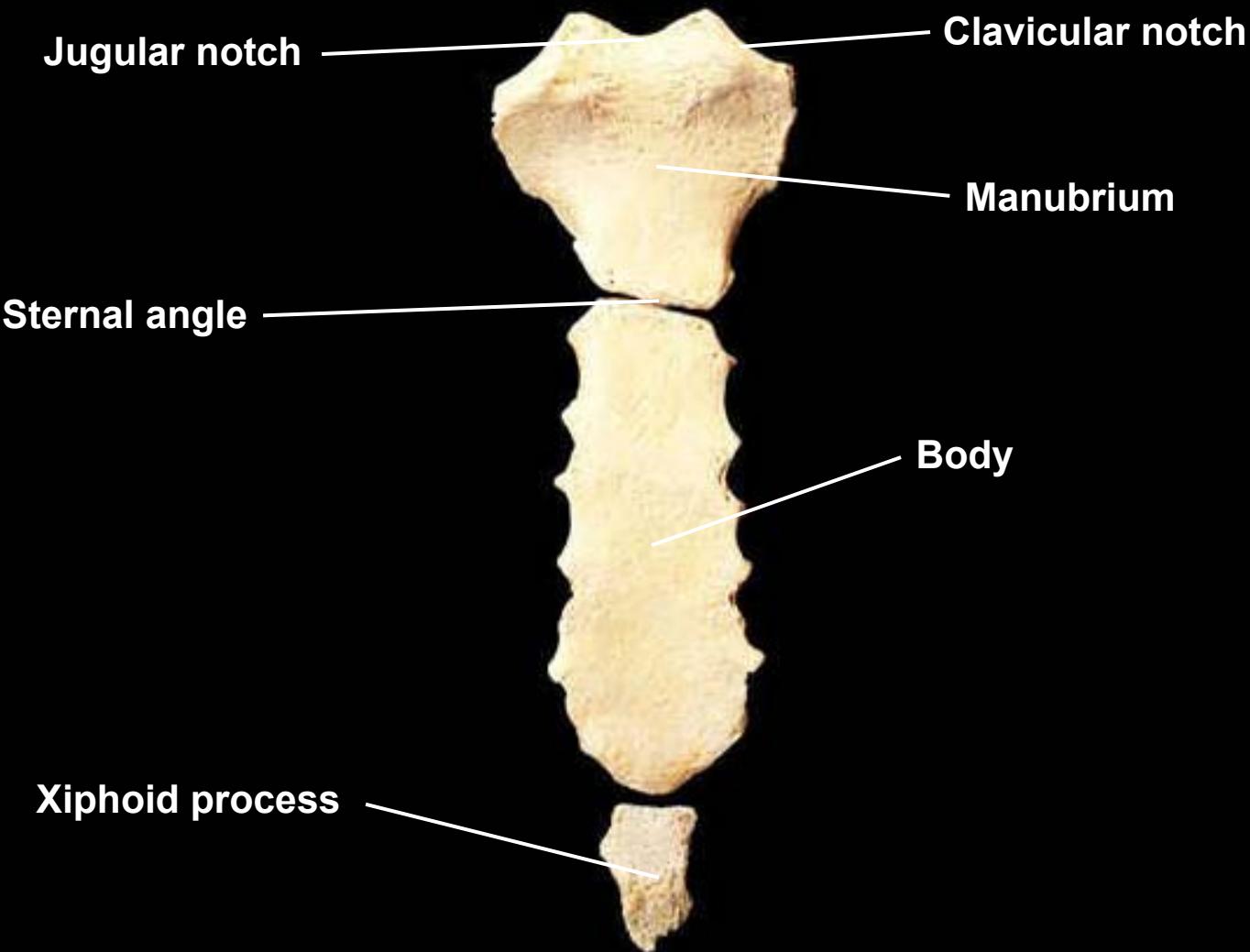






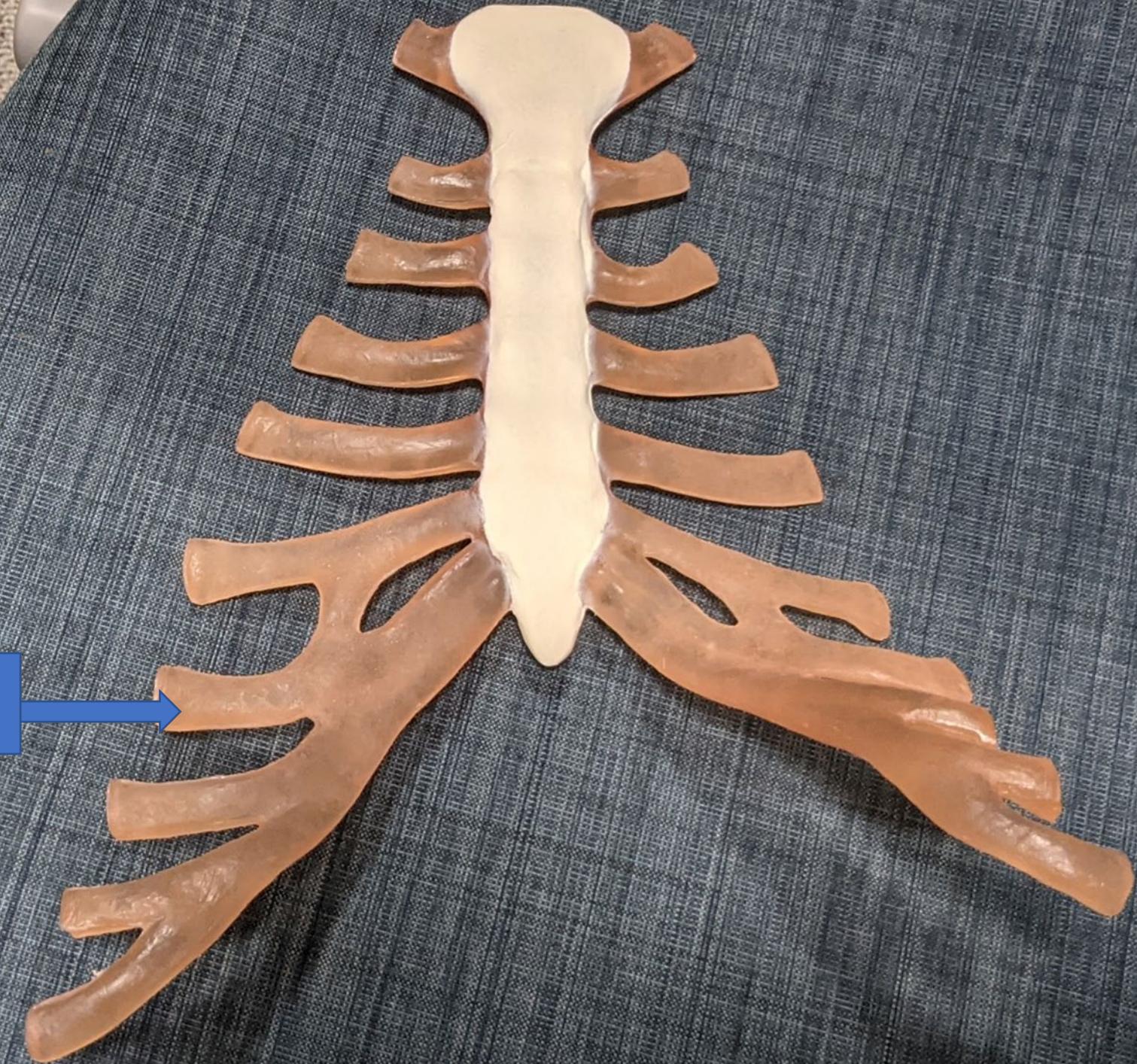


Sternum, anterior view

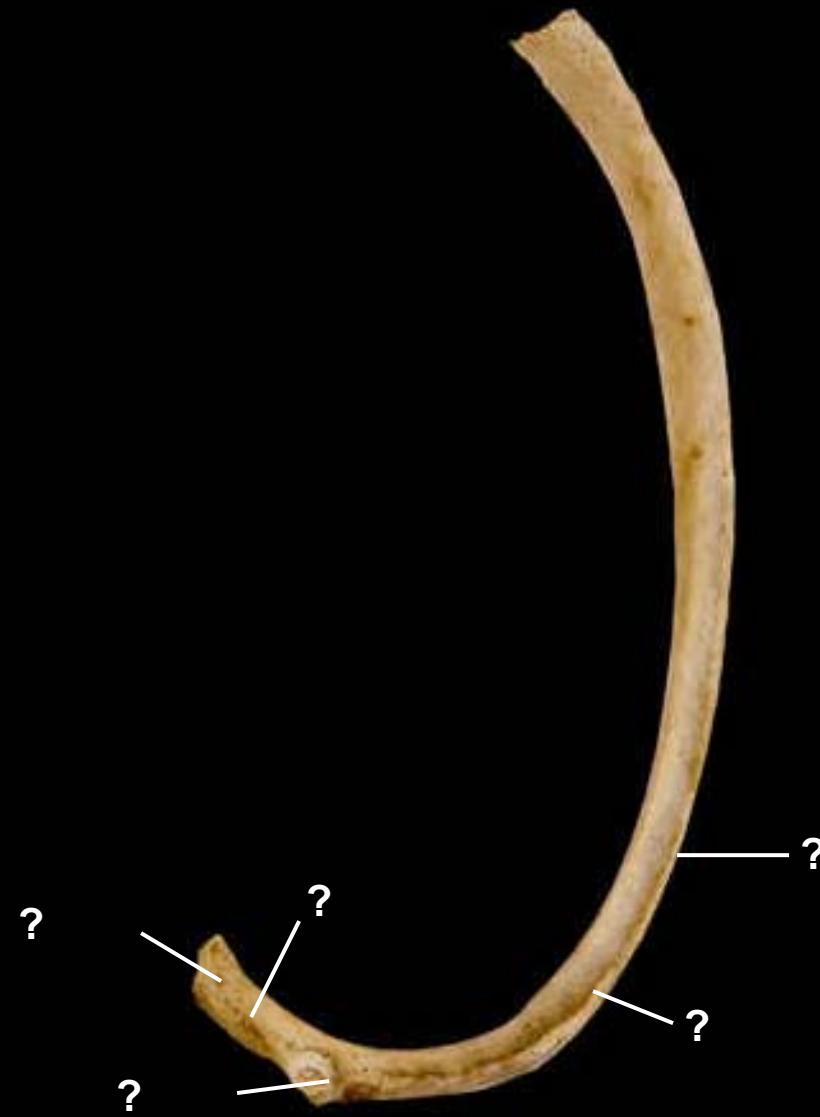


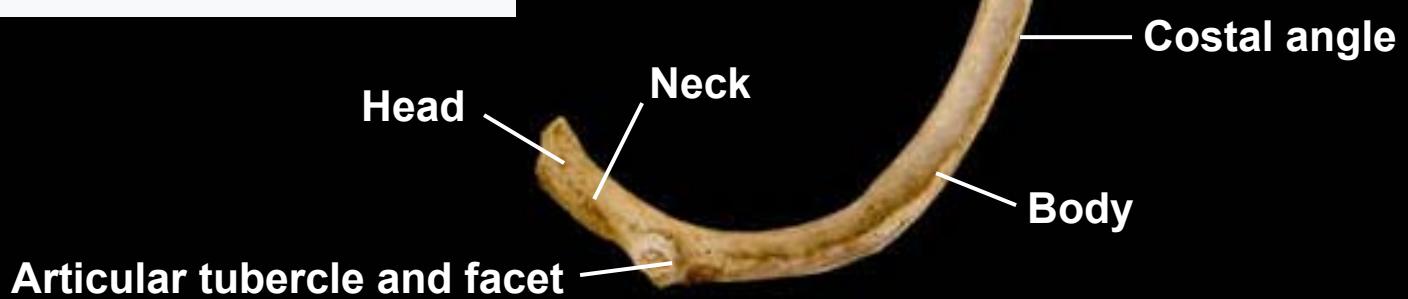
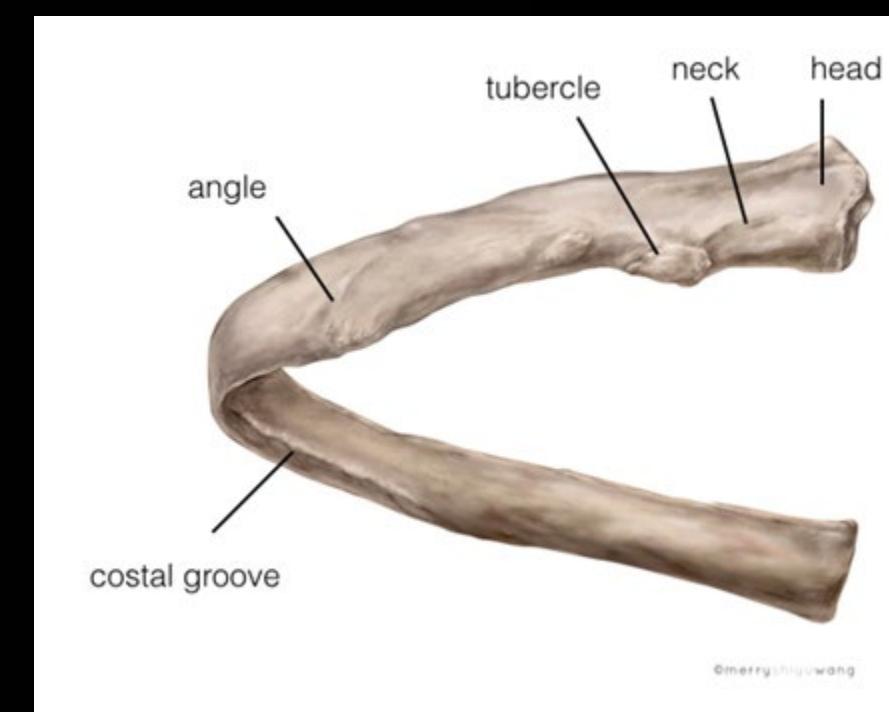
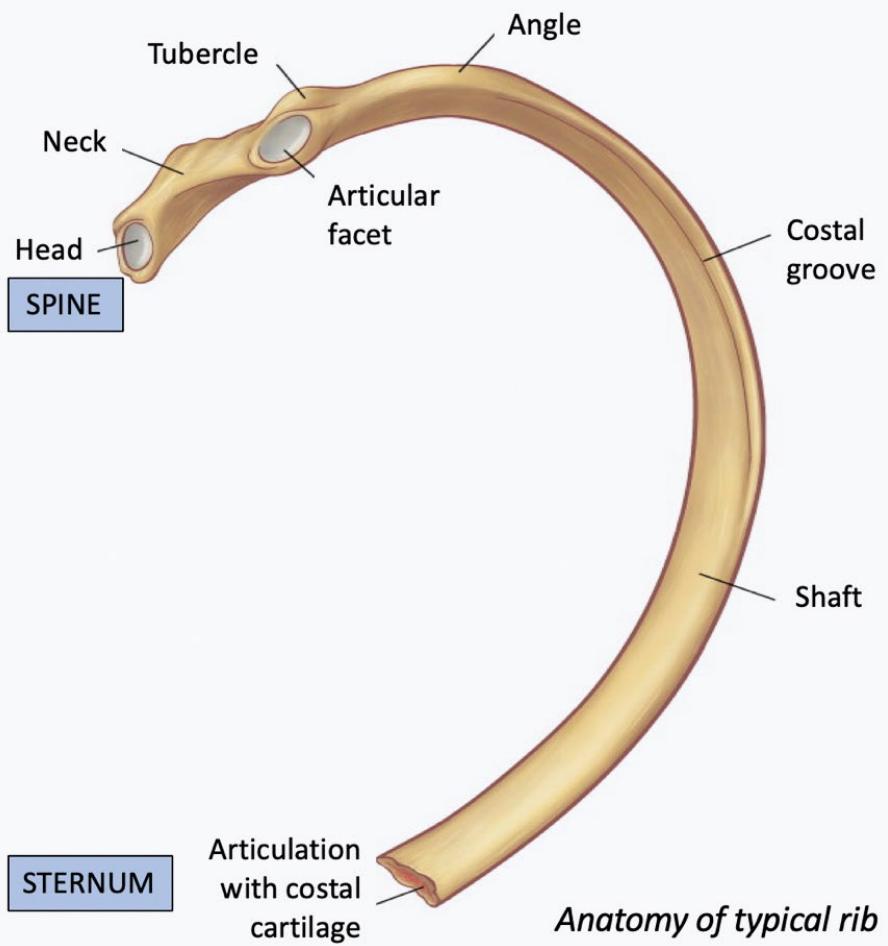


Intercostal
cartilage

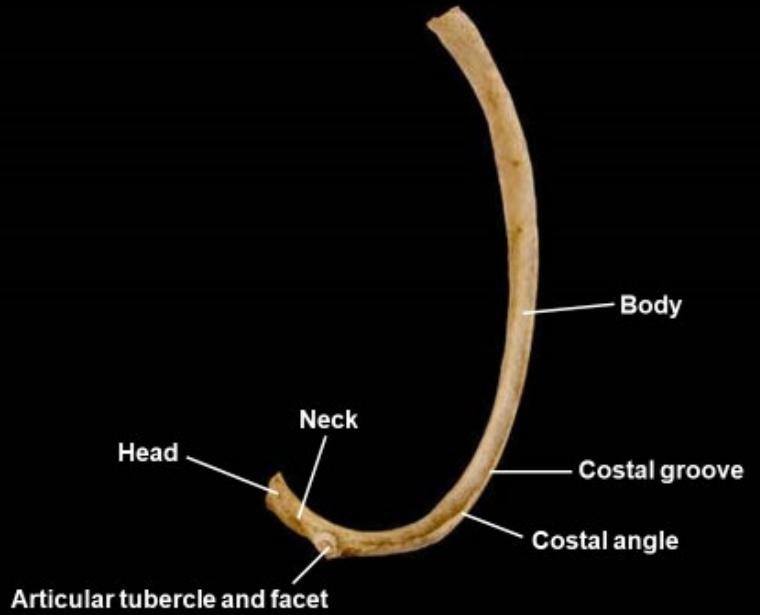


Rib, superior view, right side

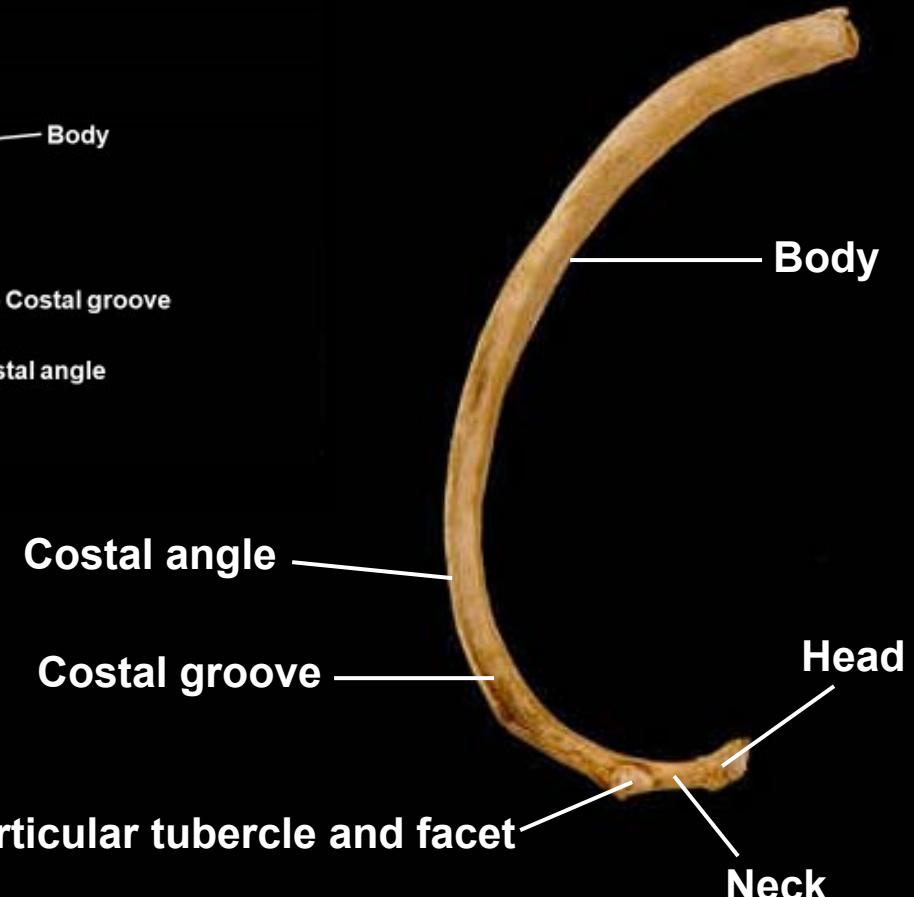




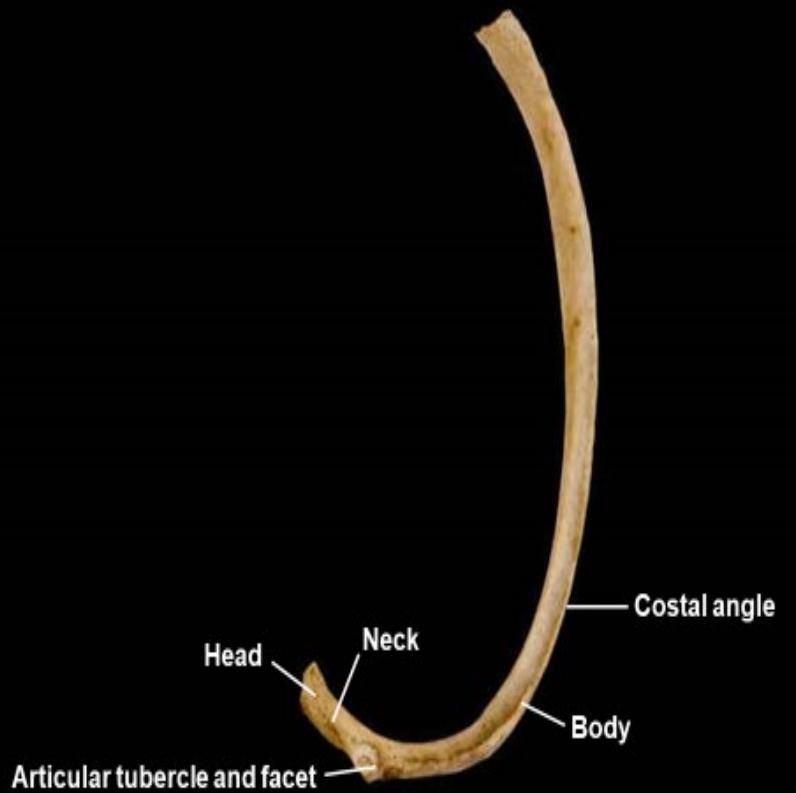
Rib, inferior view, left side



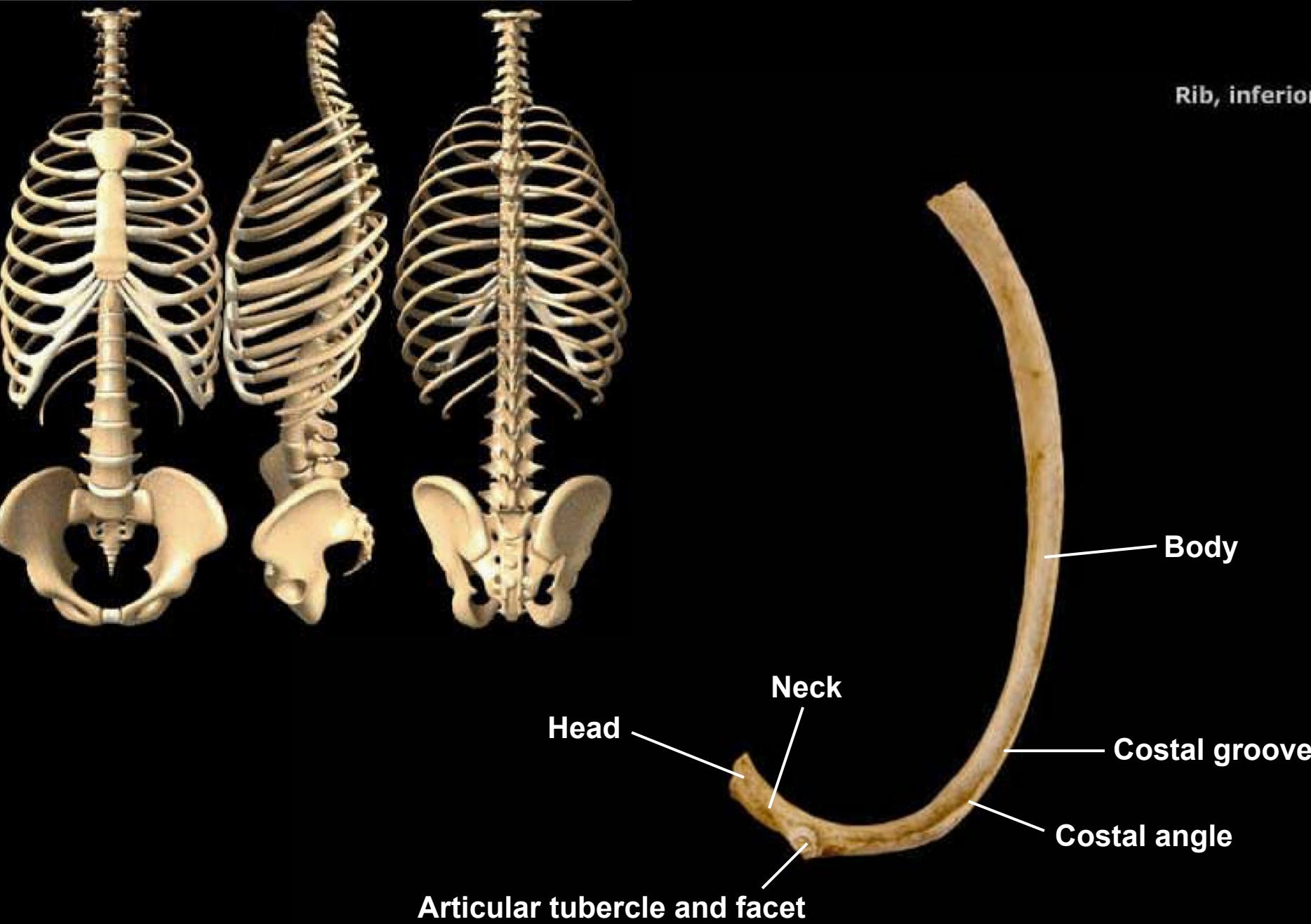
Rib, inferior view, right side

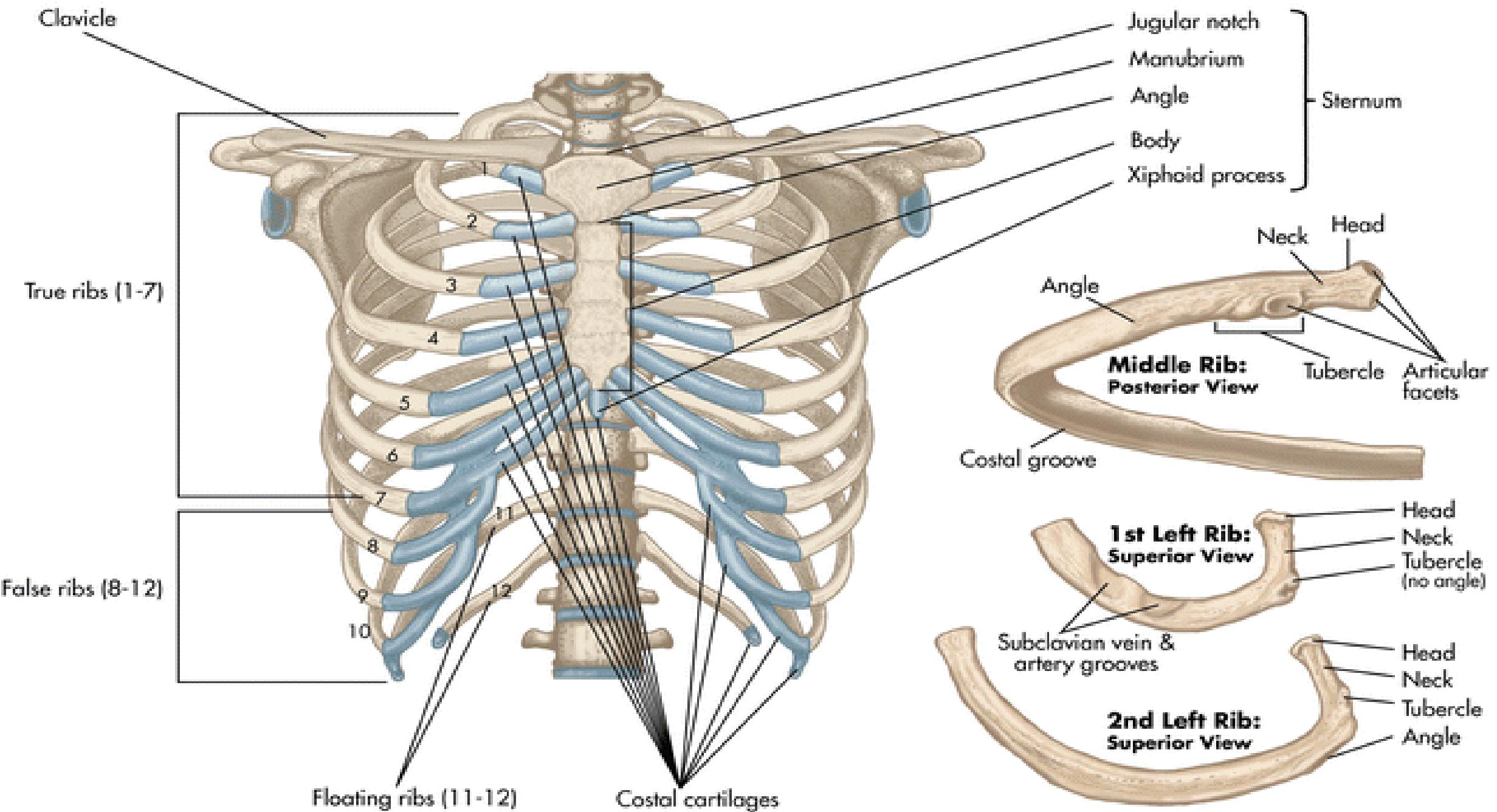


Rib, superior view, right side

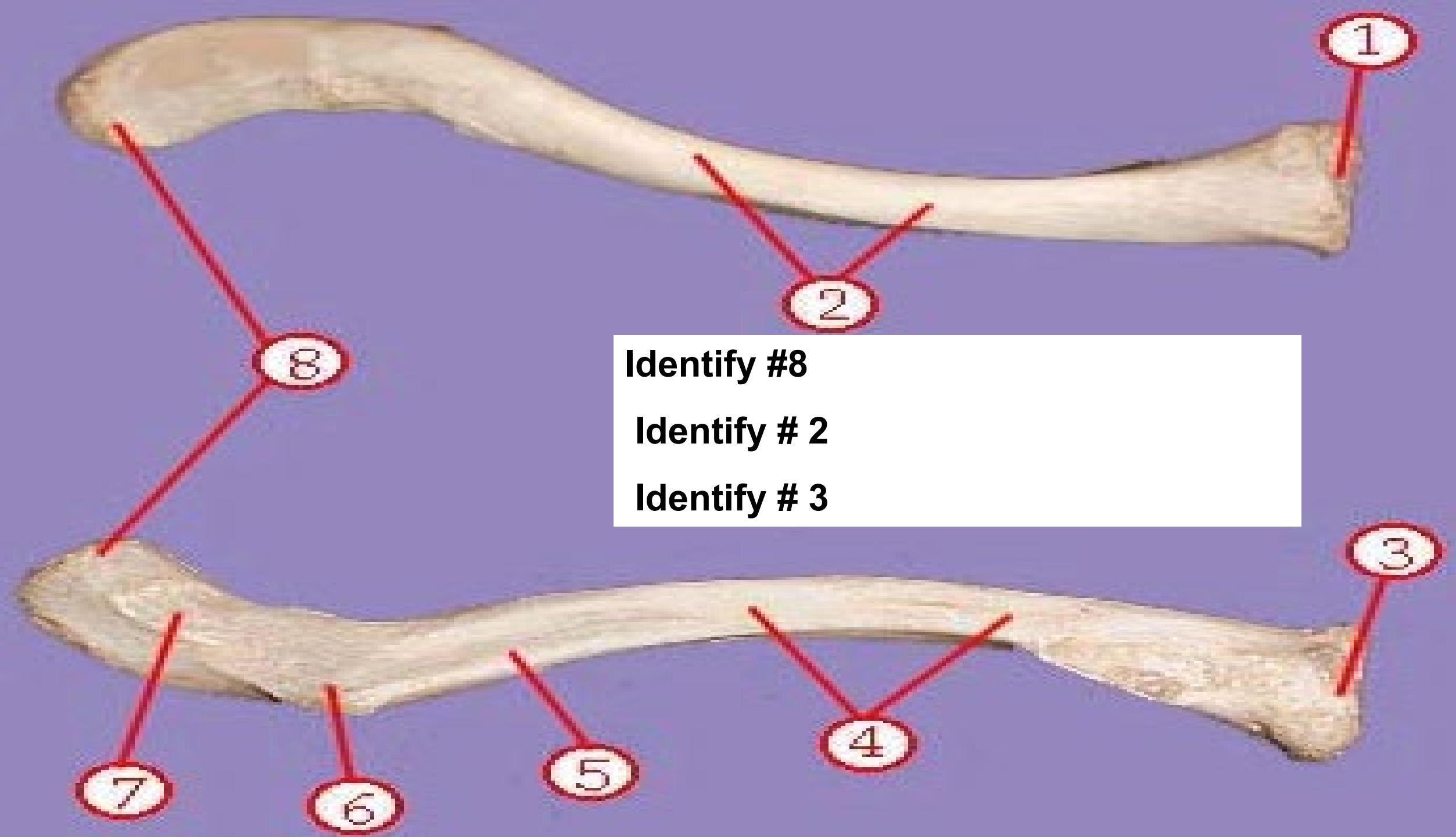


Rib, inferior view, left side





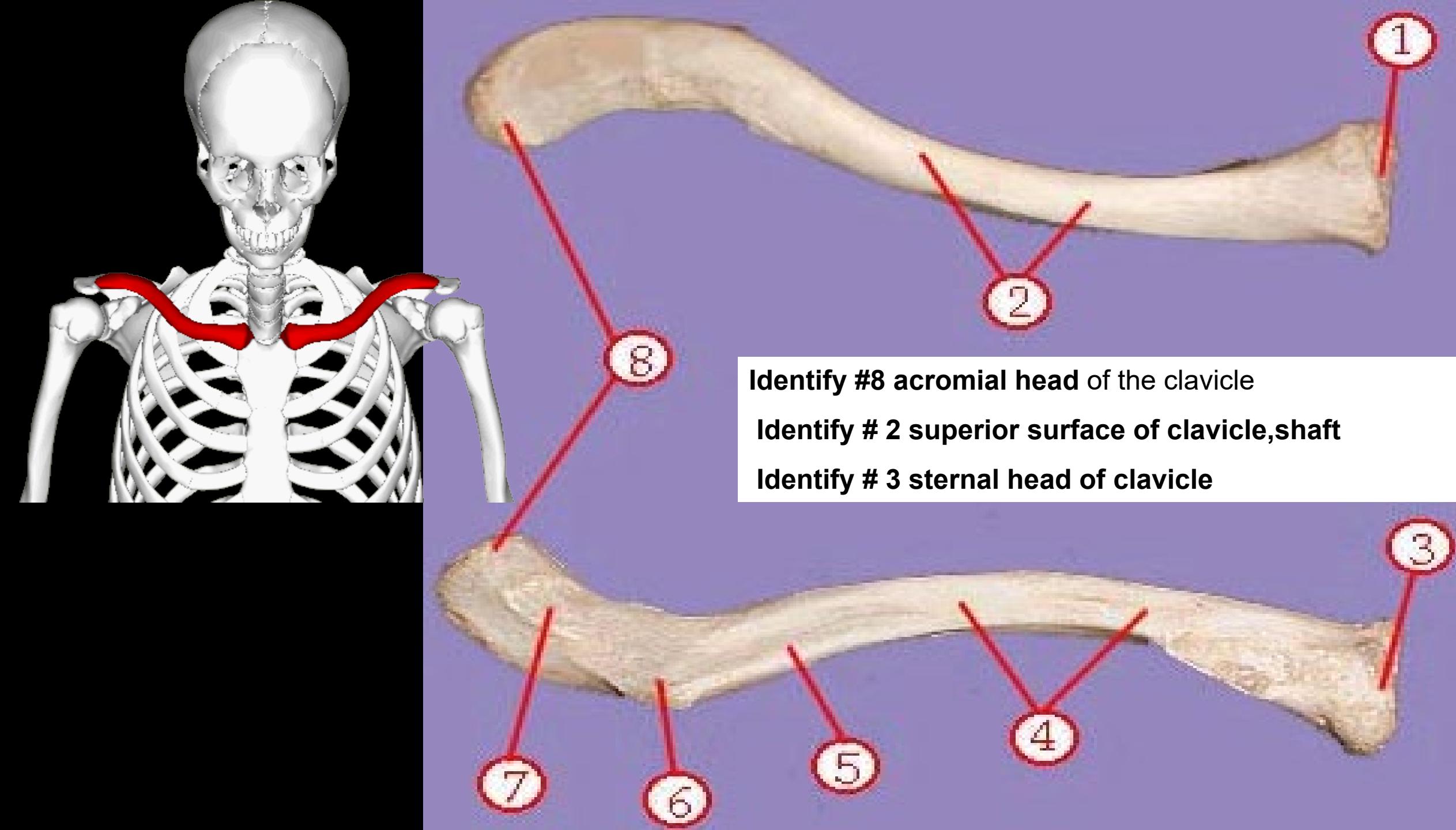
Superior appendages



Identify #8

Identify # 2

Identify # 3



Clavicle, anterior view, right side



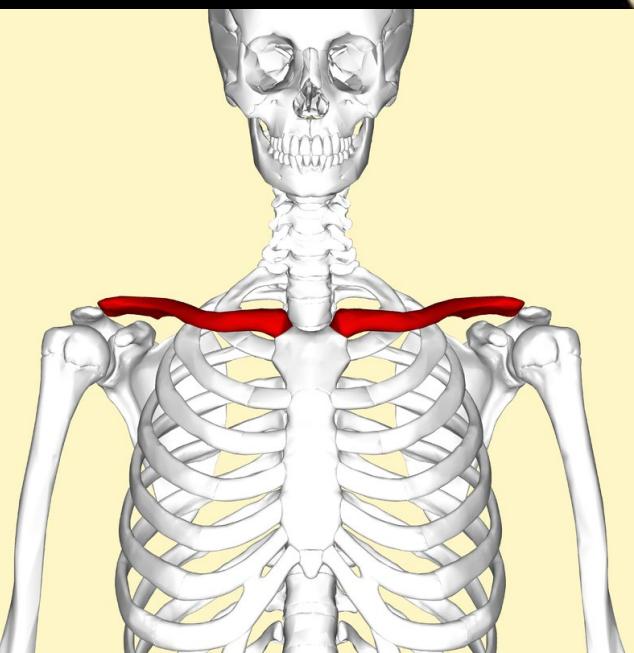


Clavicle, anterior view, right side

Acromial end

Sternal end

Conoid tubercle
(coracoid tuberosity)



Clavicle, inferior view, right side

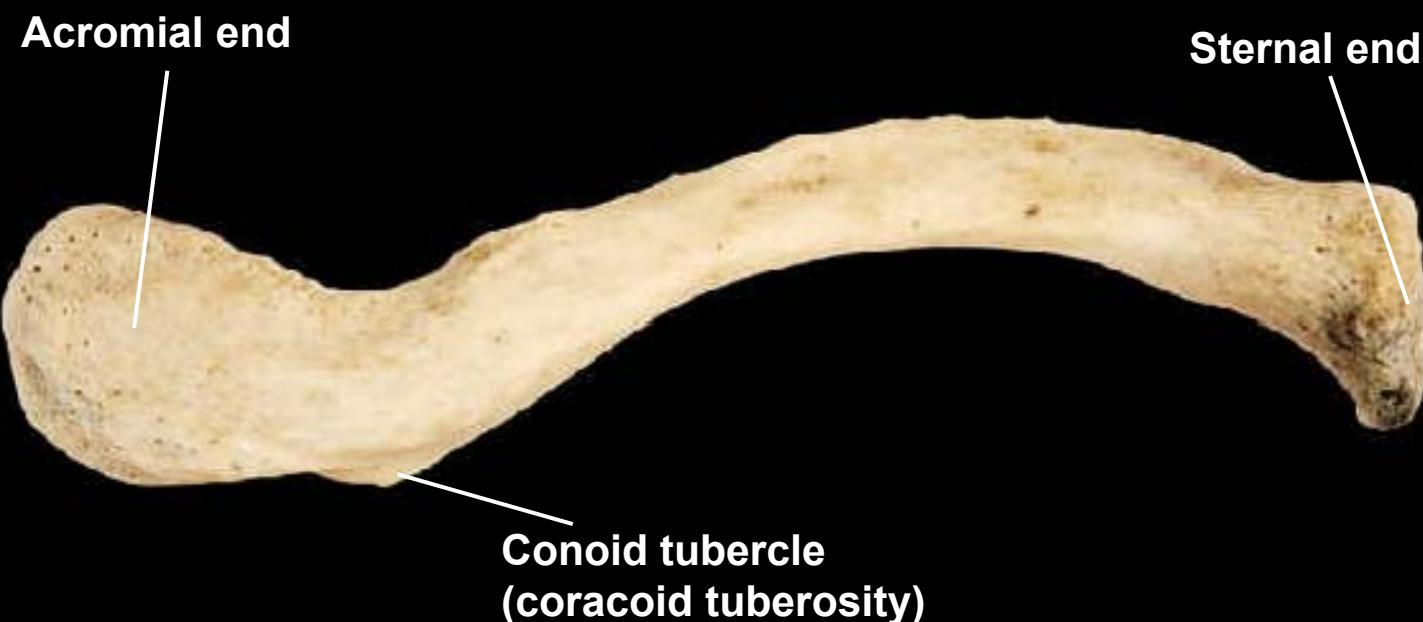


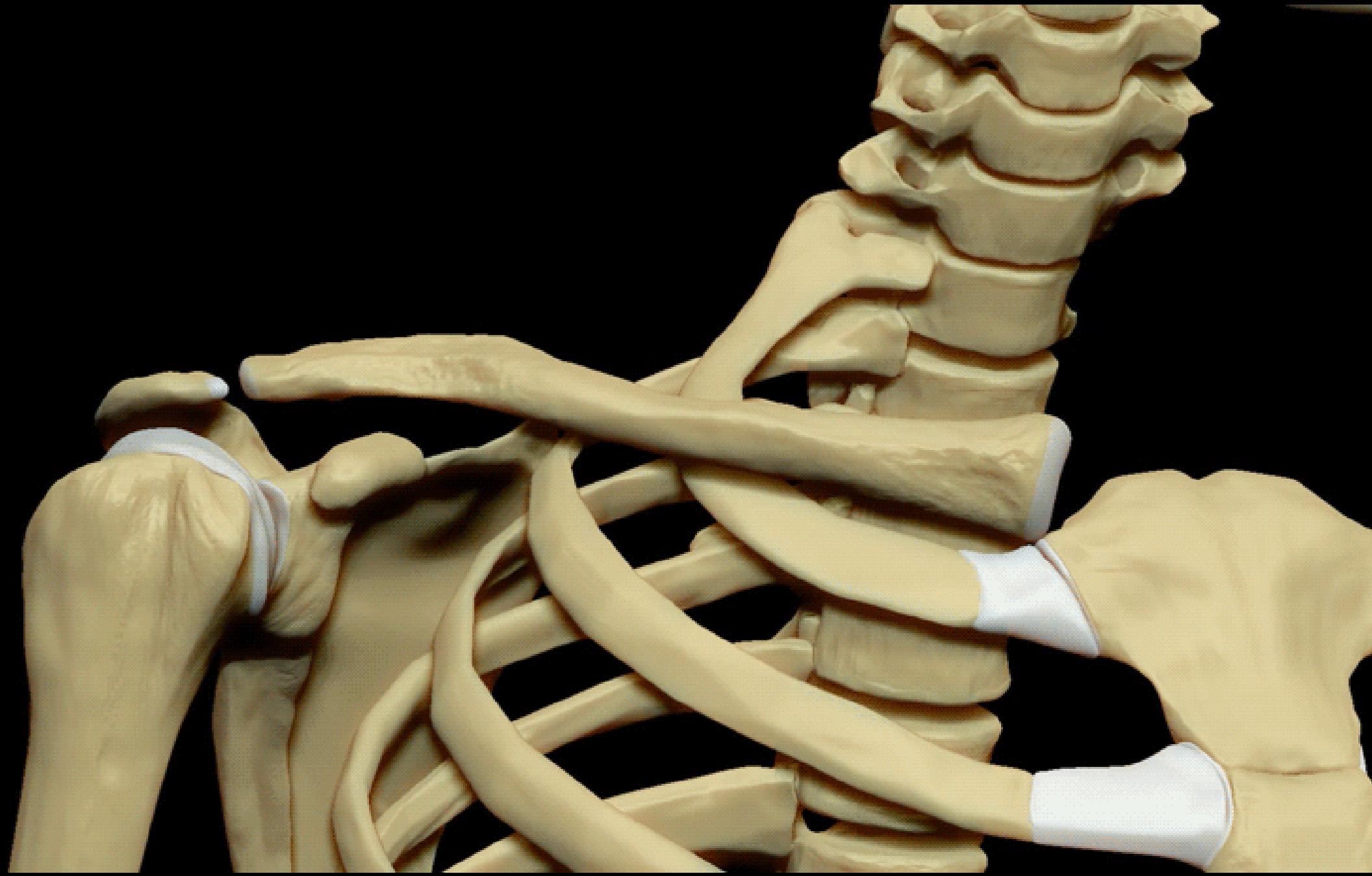
Clavicle, superior view, right side

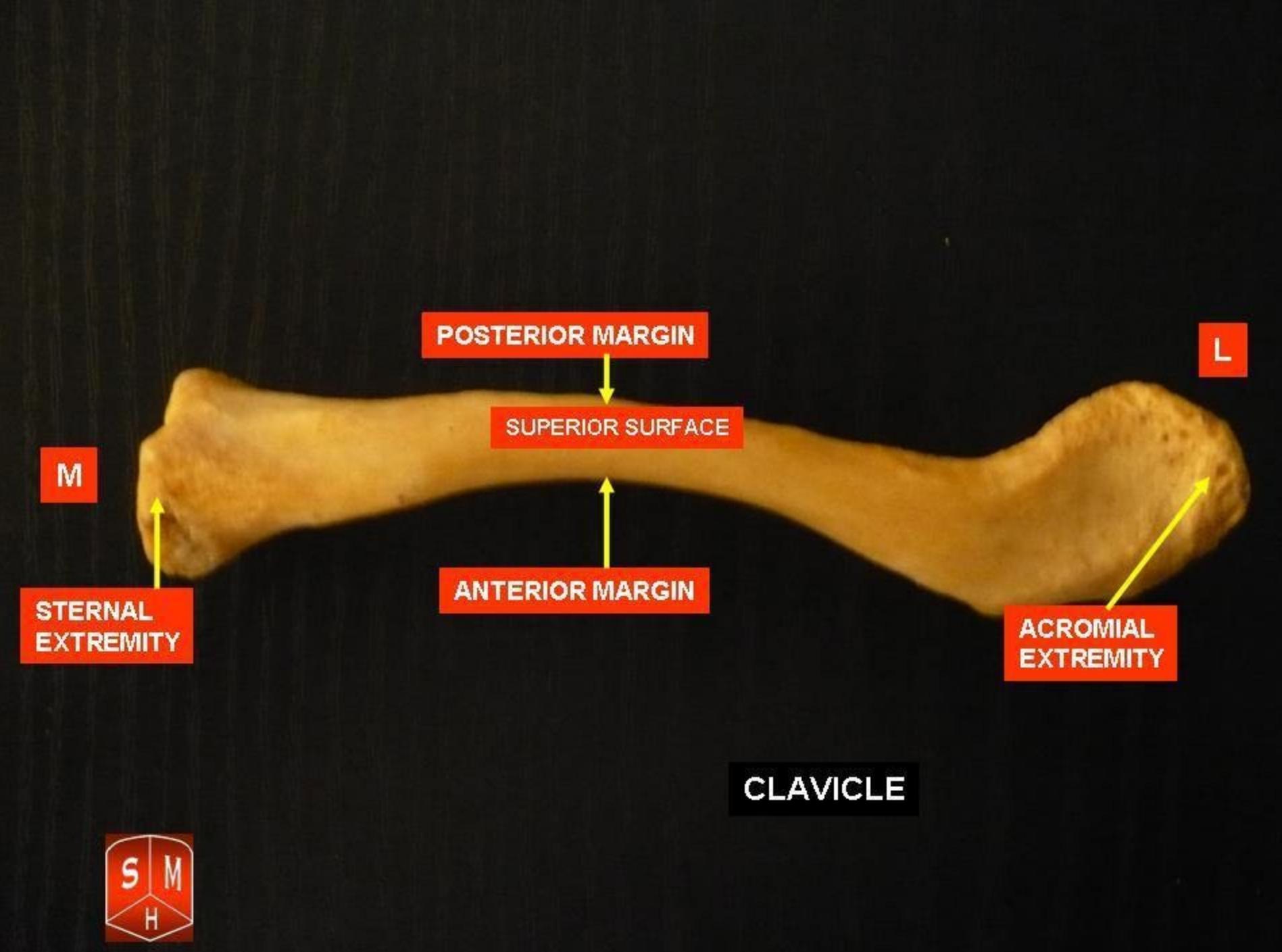




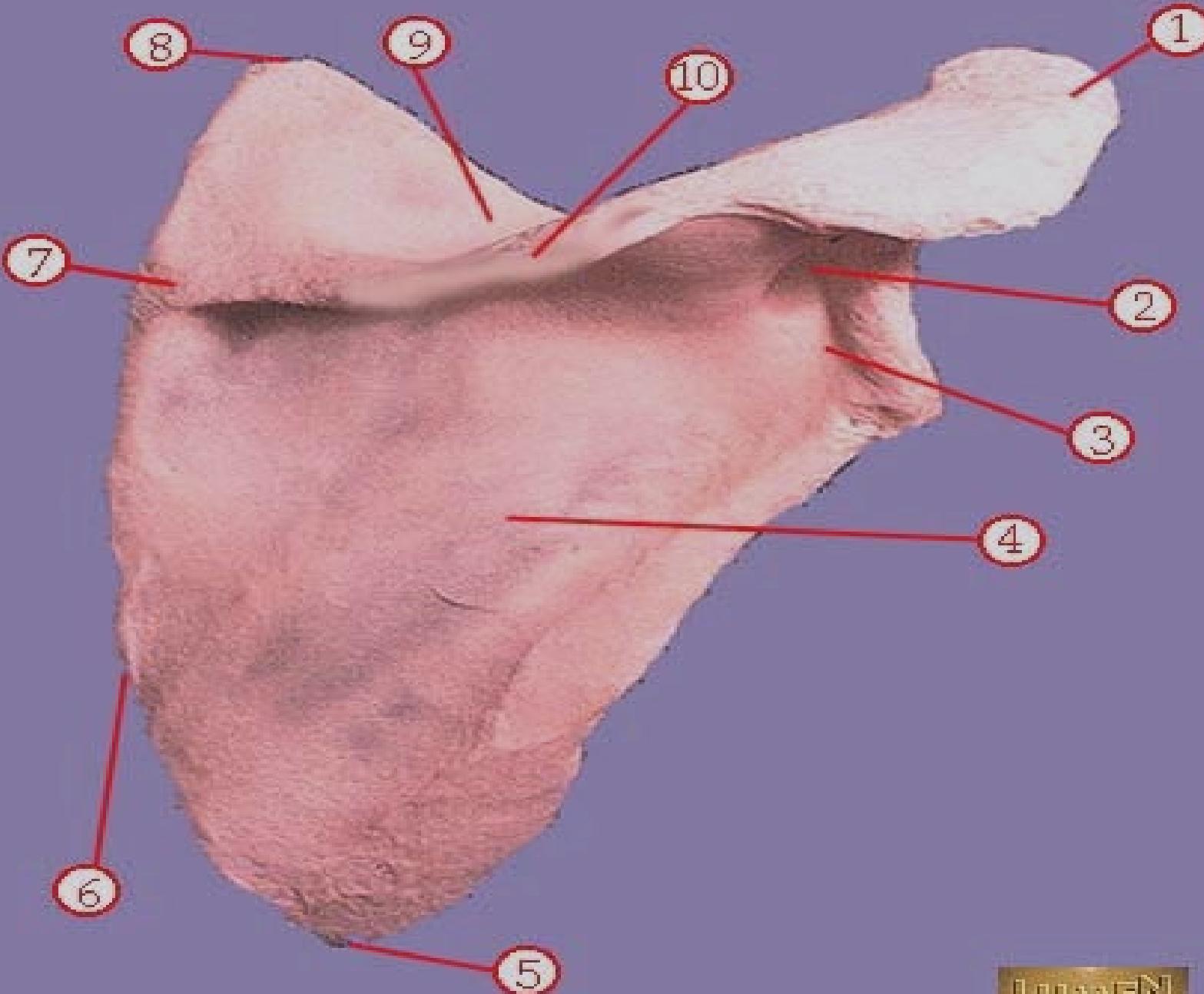
Clavicle, superior view, right side







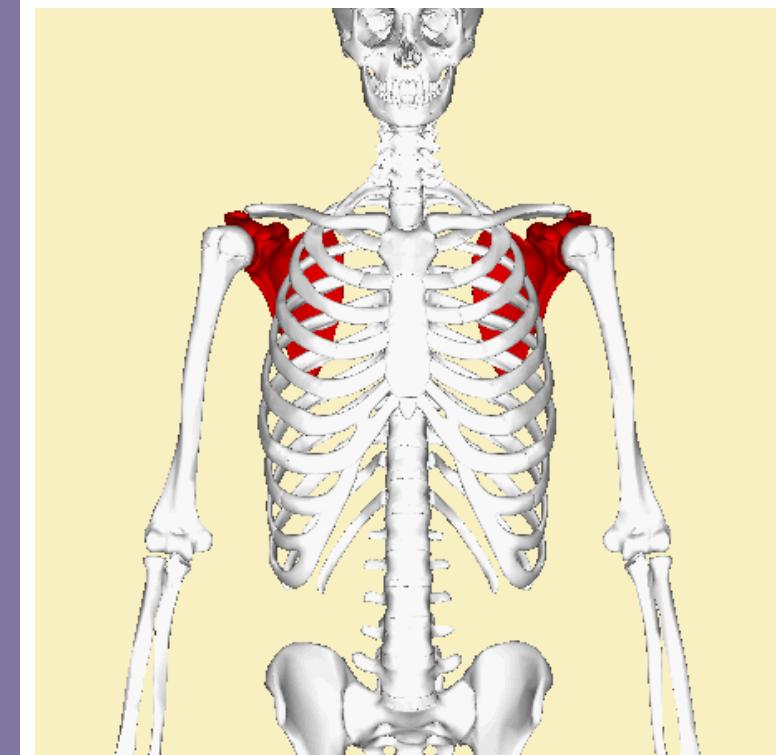


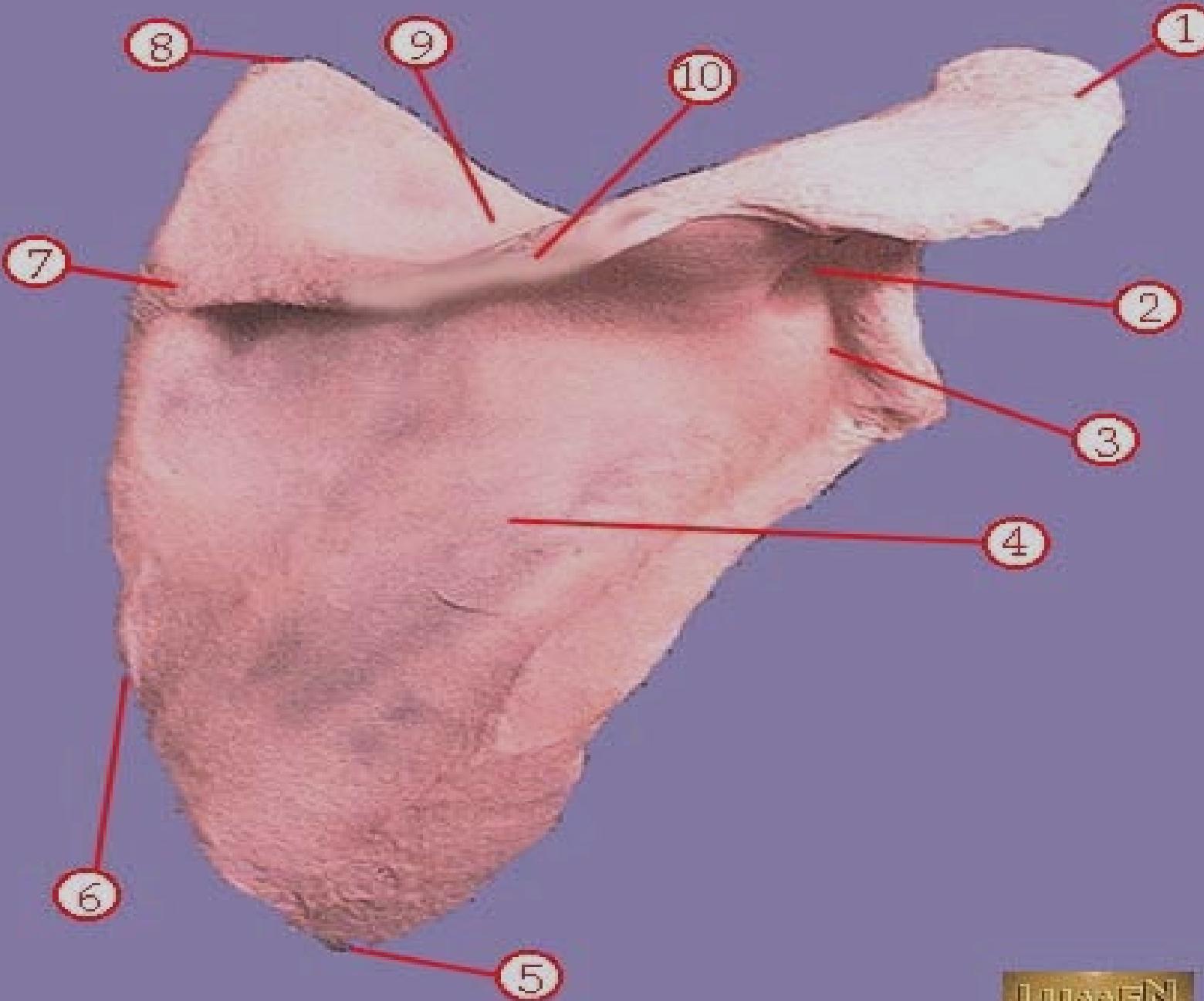


Identify # 1

Identify #10

Identify # 6



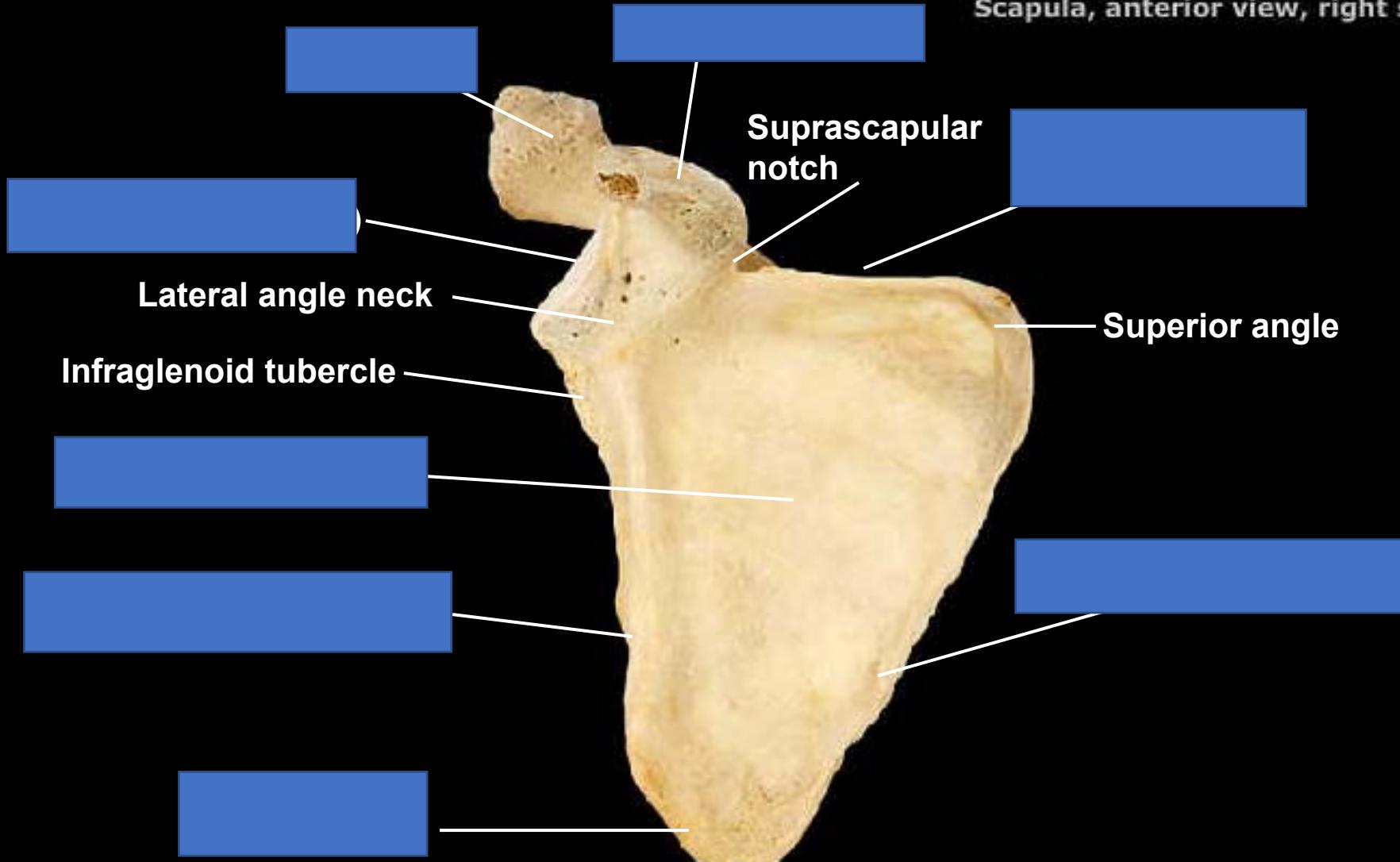


Identify # 1 acromion

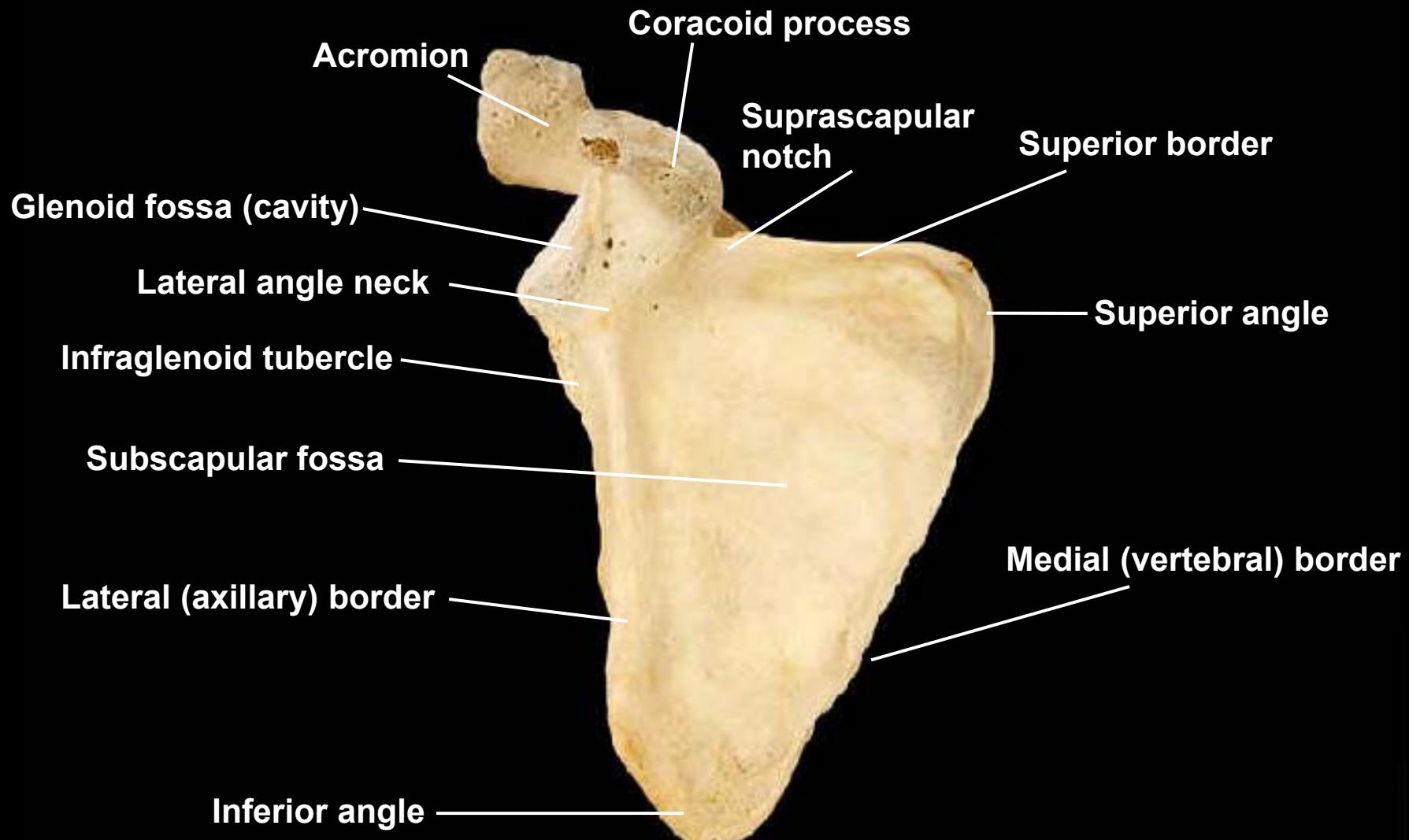
**Identify #10 scapular spine
(crest)**

**Identify # 6 vertebral border
,lateral border**

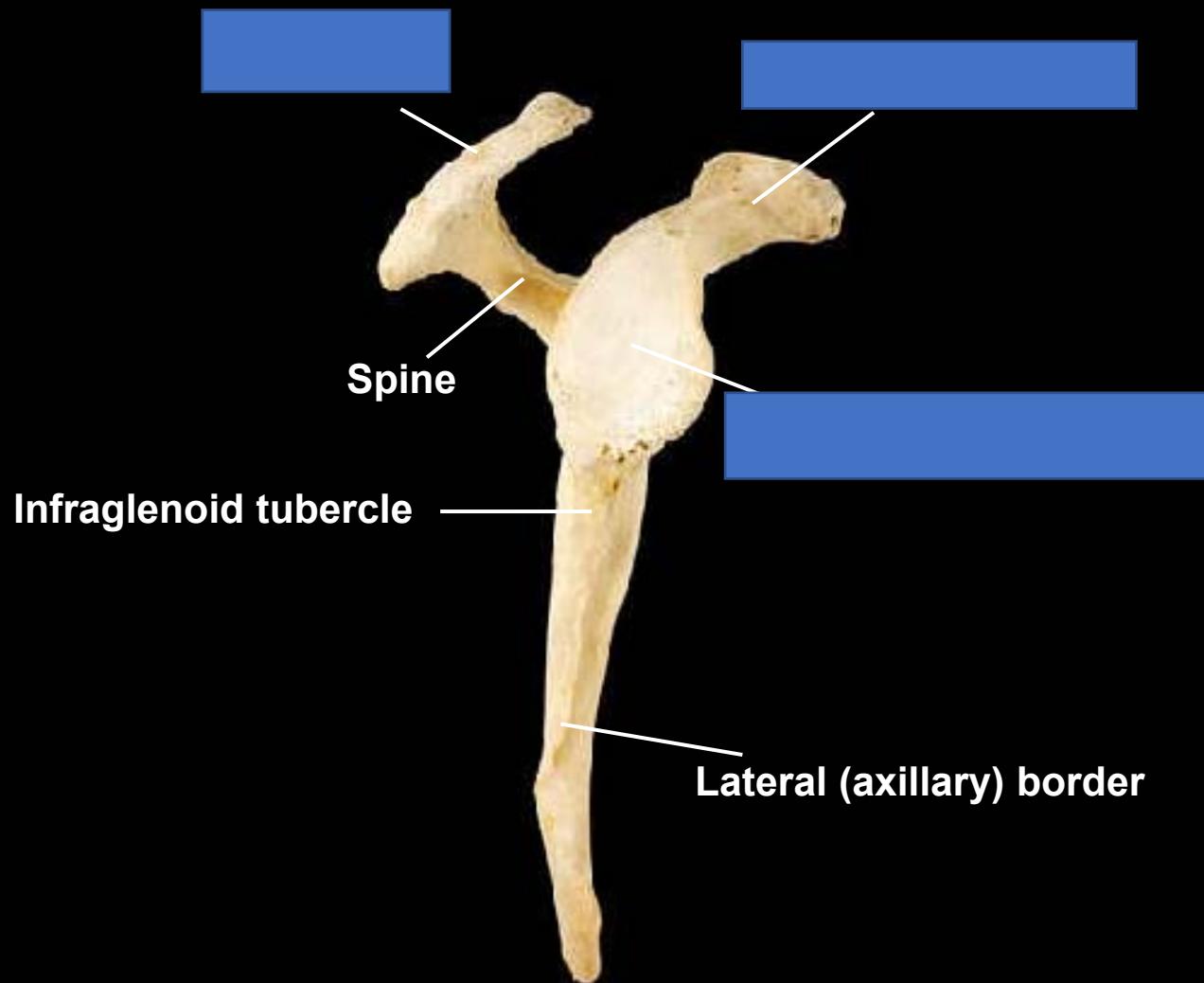
Scapula, anterior view, right side



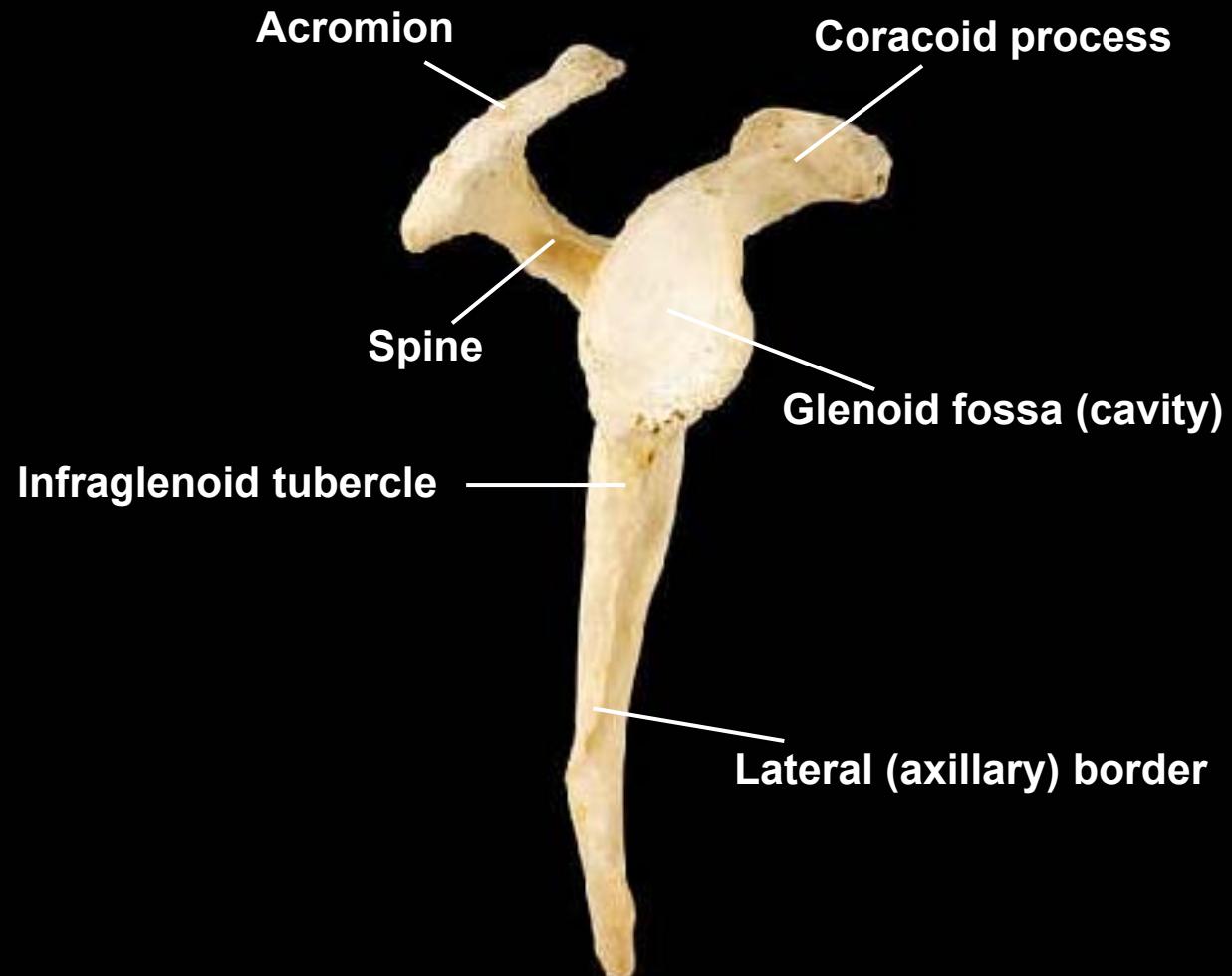
Scapula, anterior view, right side

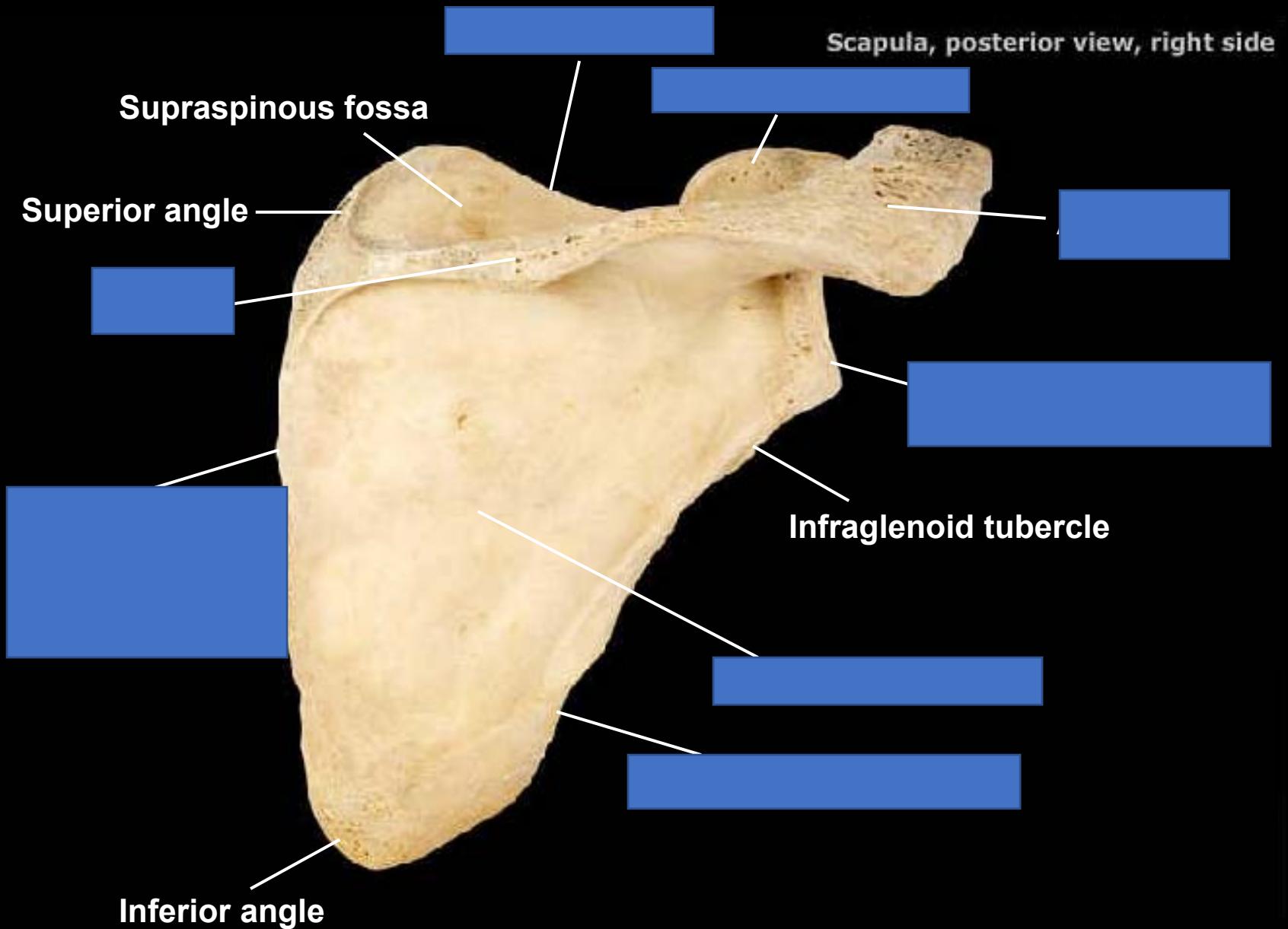


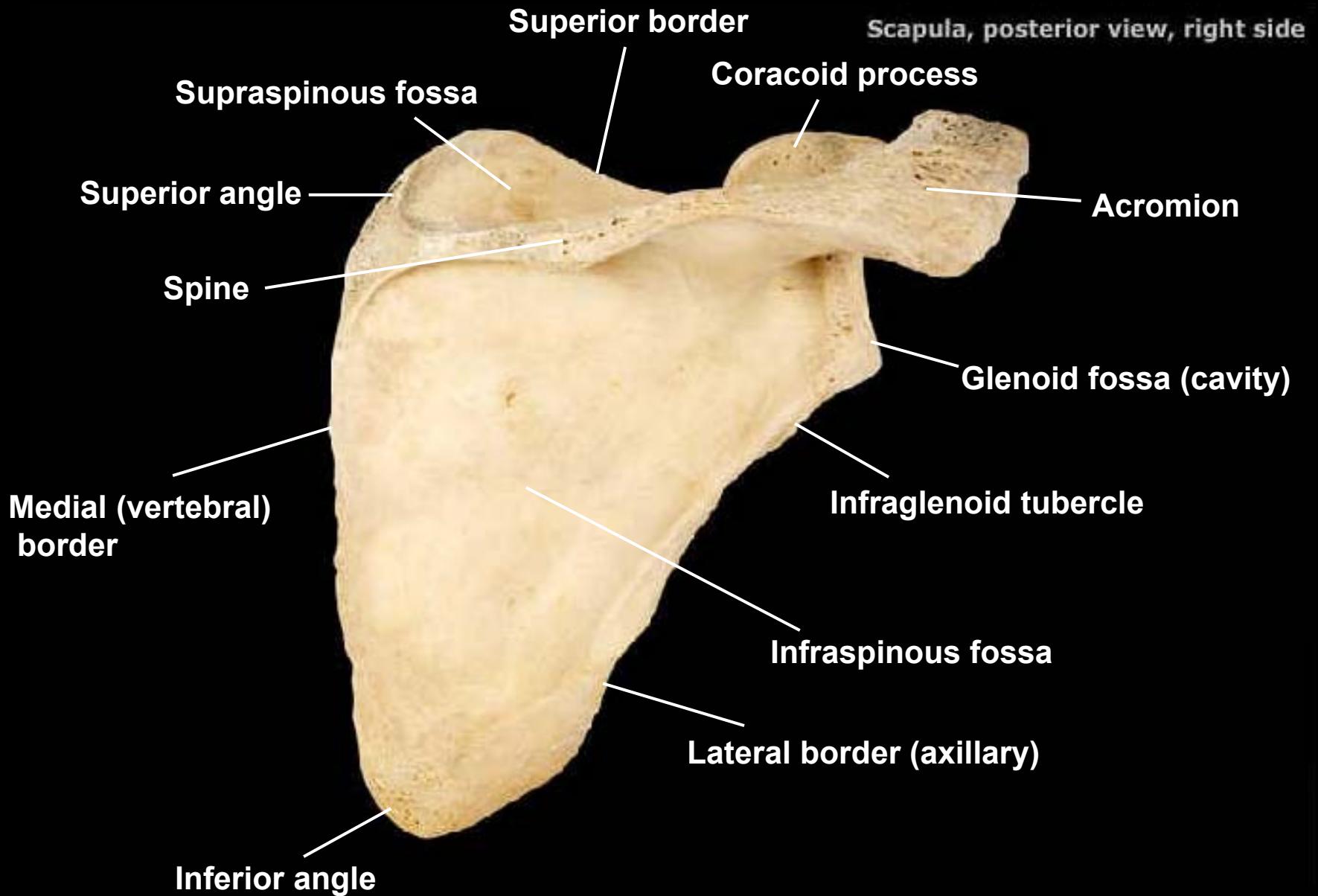
Scapula, lateral view, right side



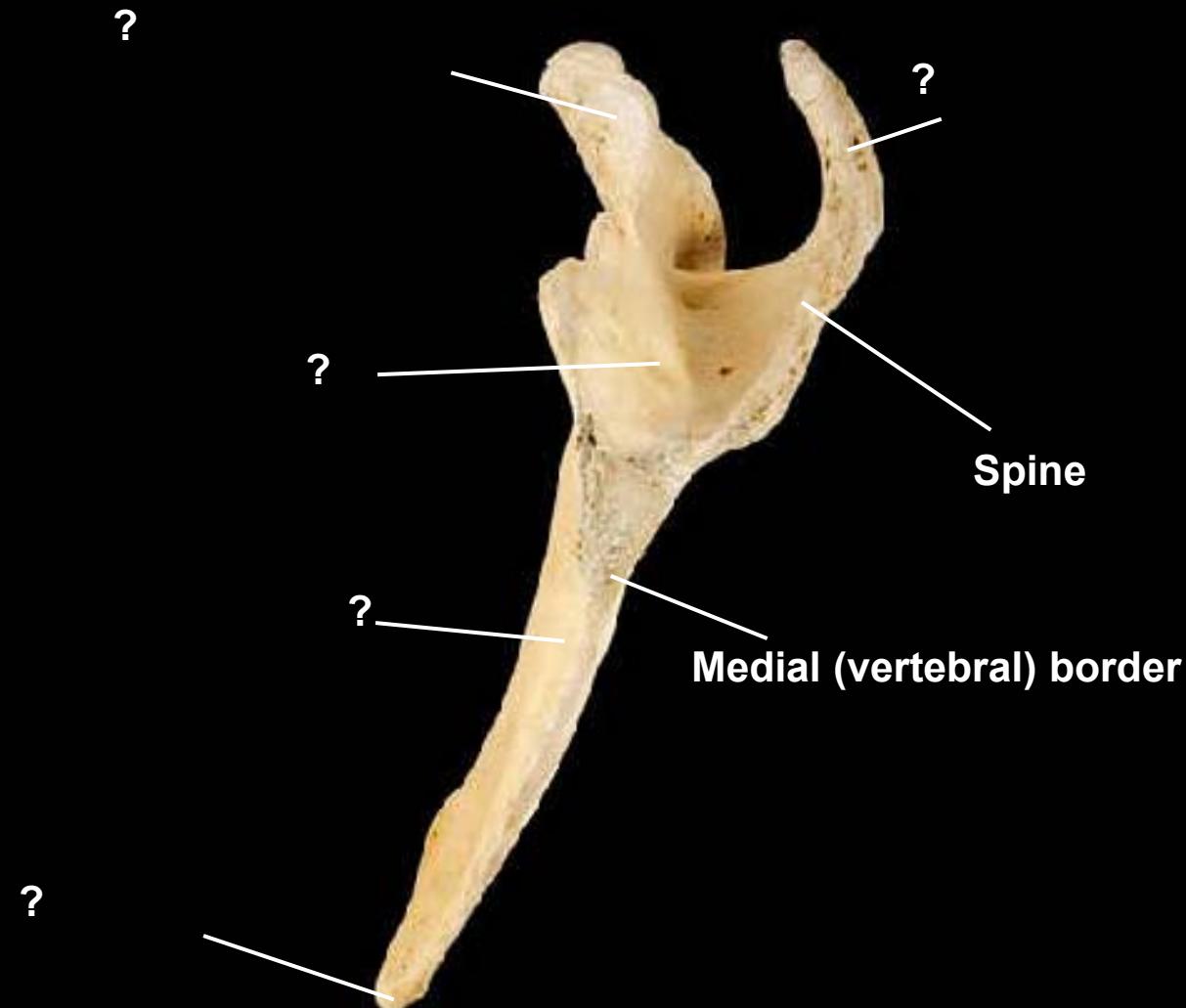
Scapula, lateral view, right side



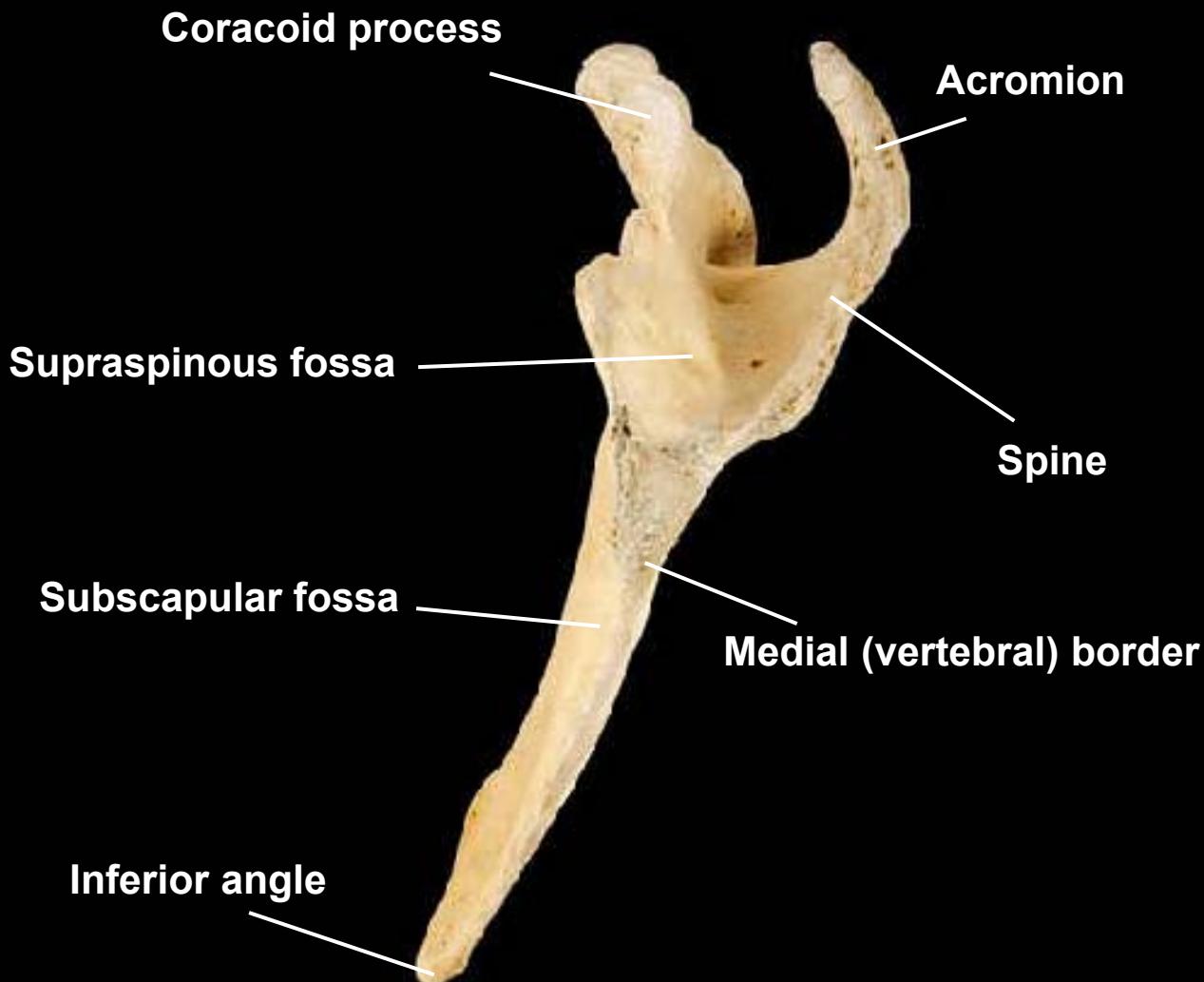




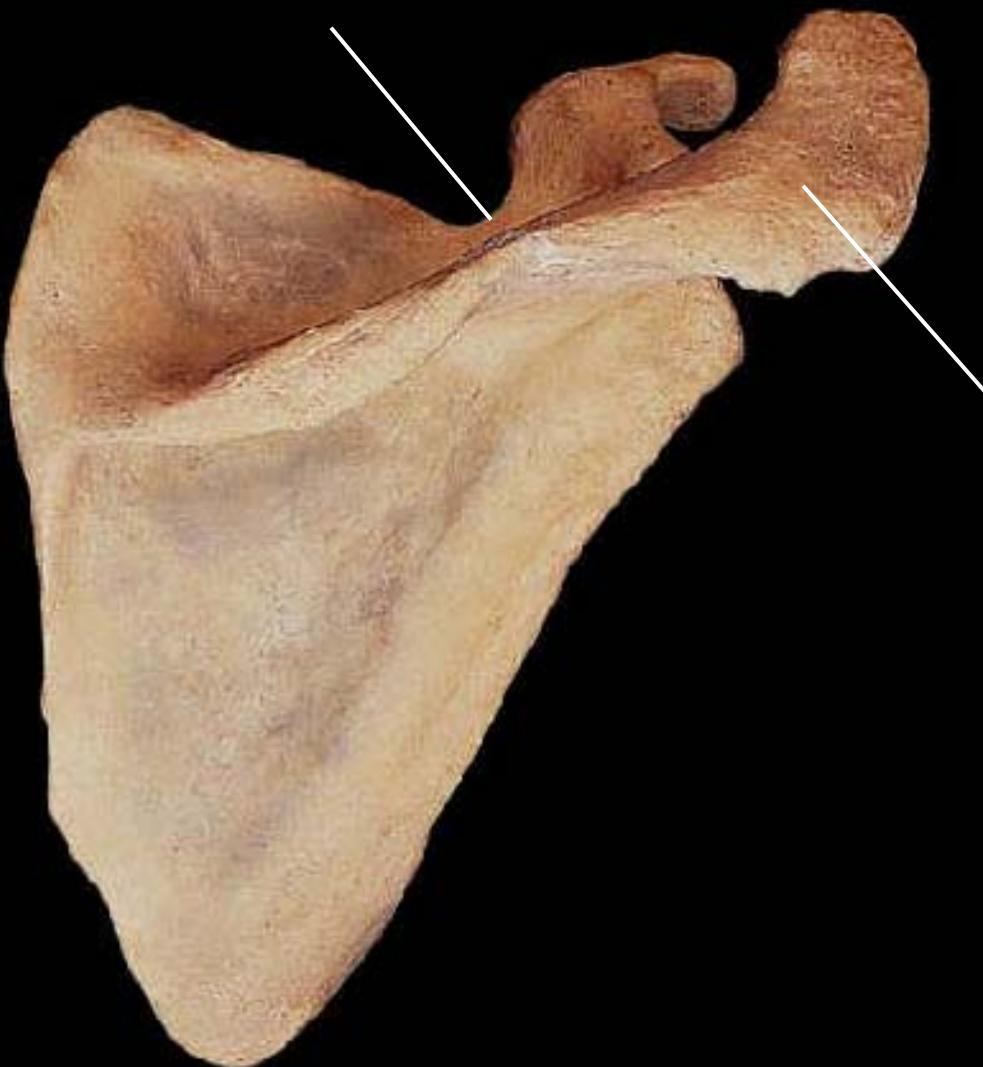
Scapula, medial view, right side

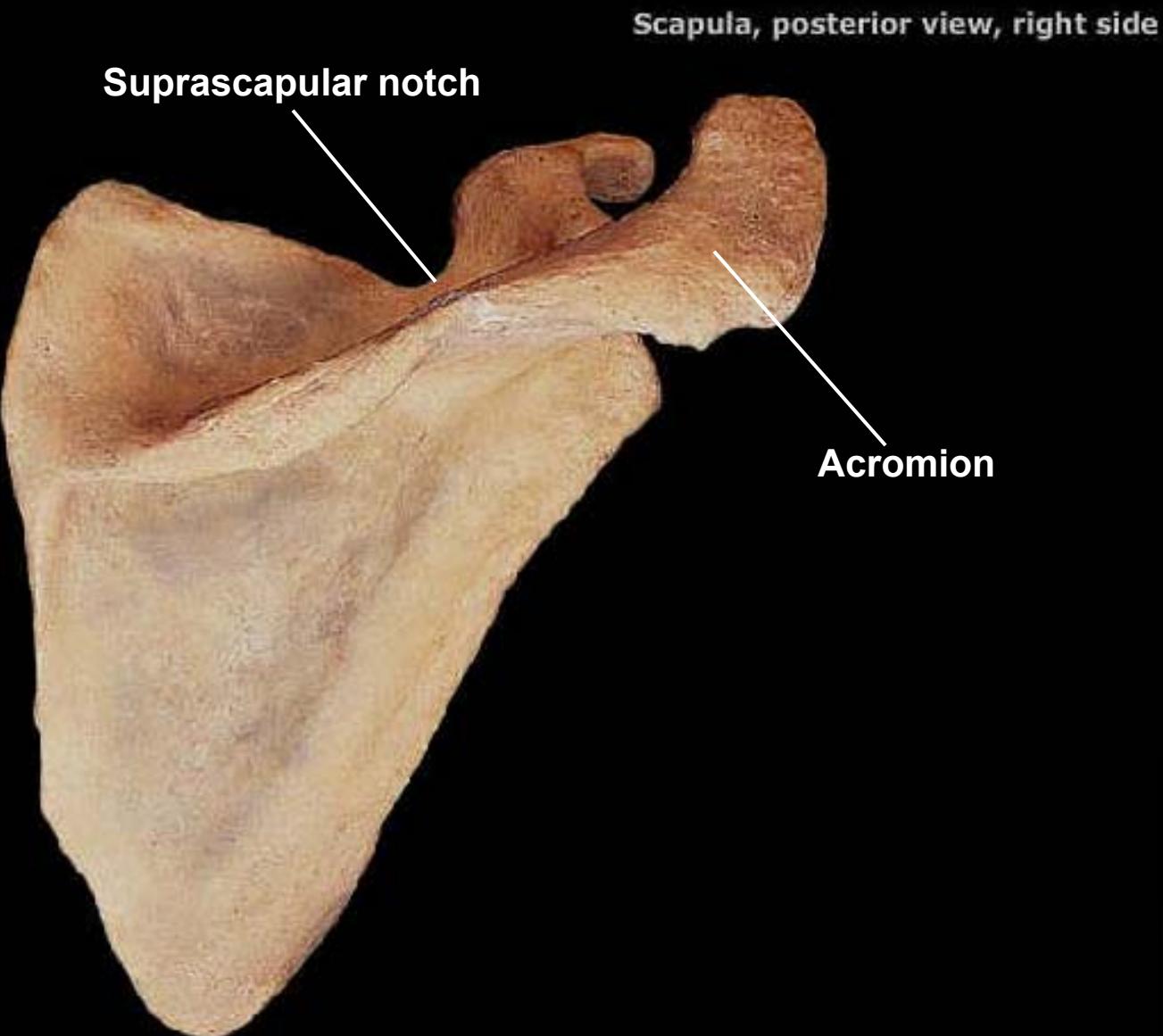


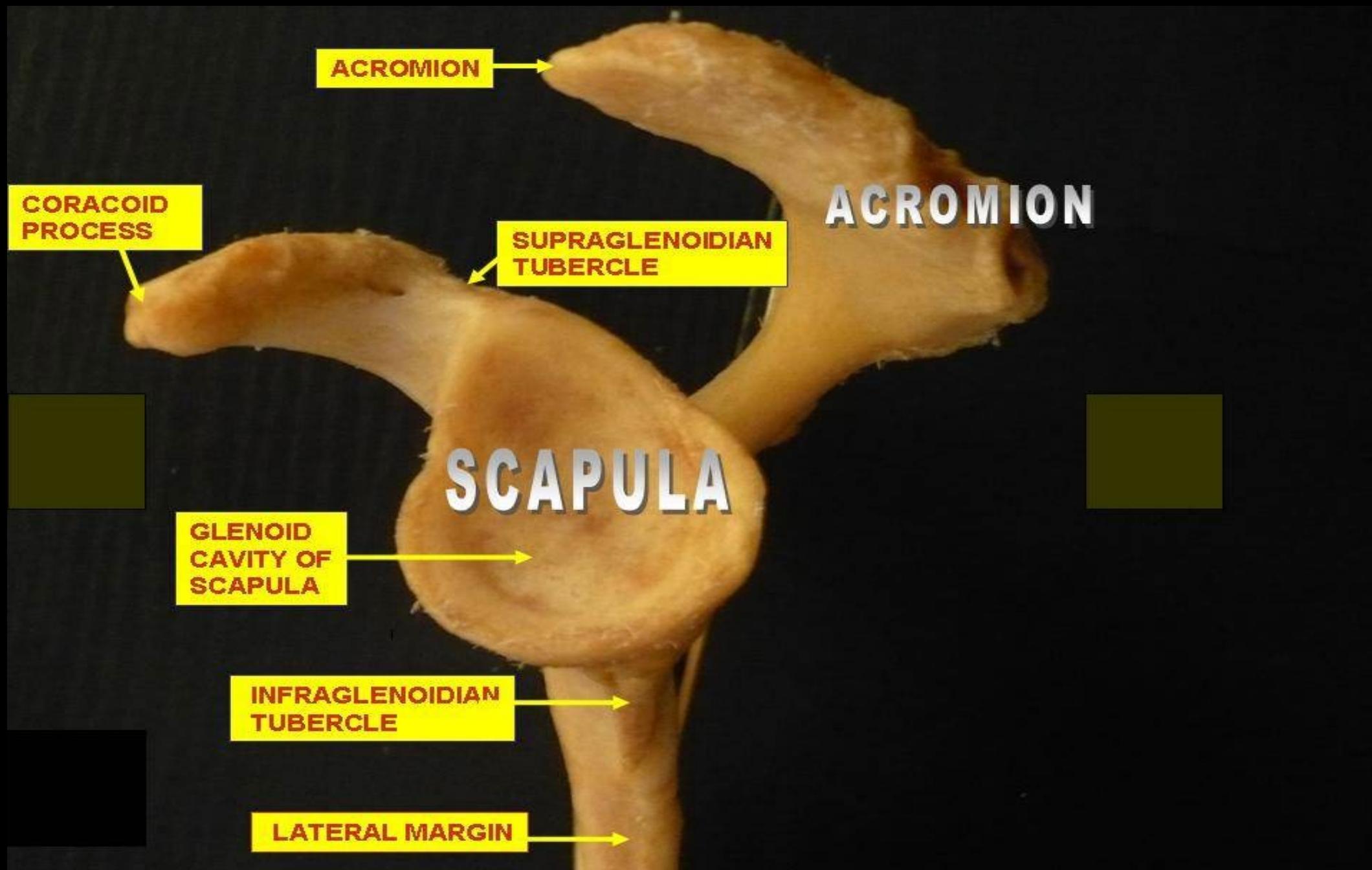
Scapula, medial view, right side

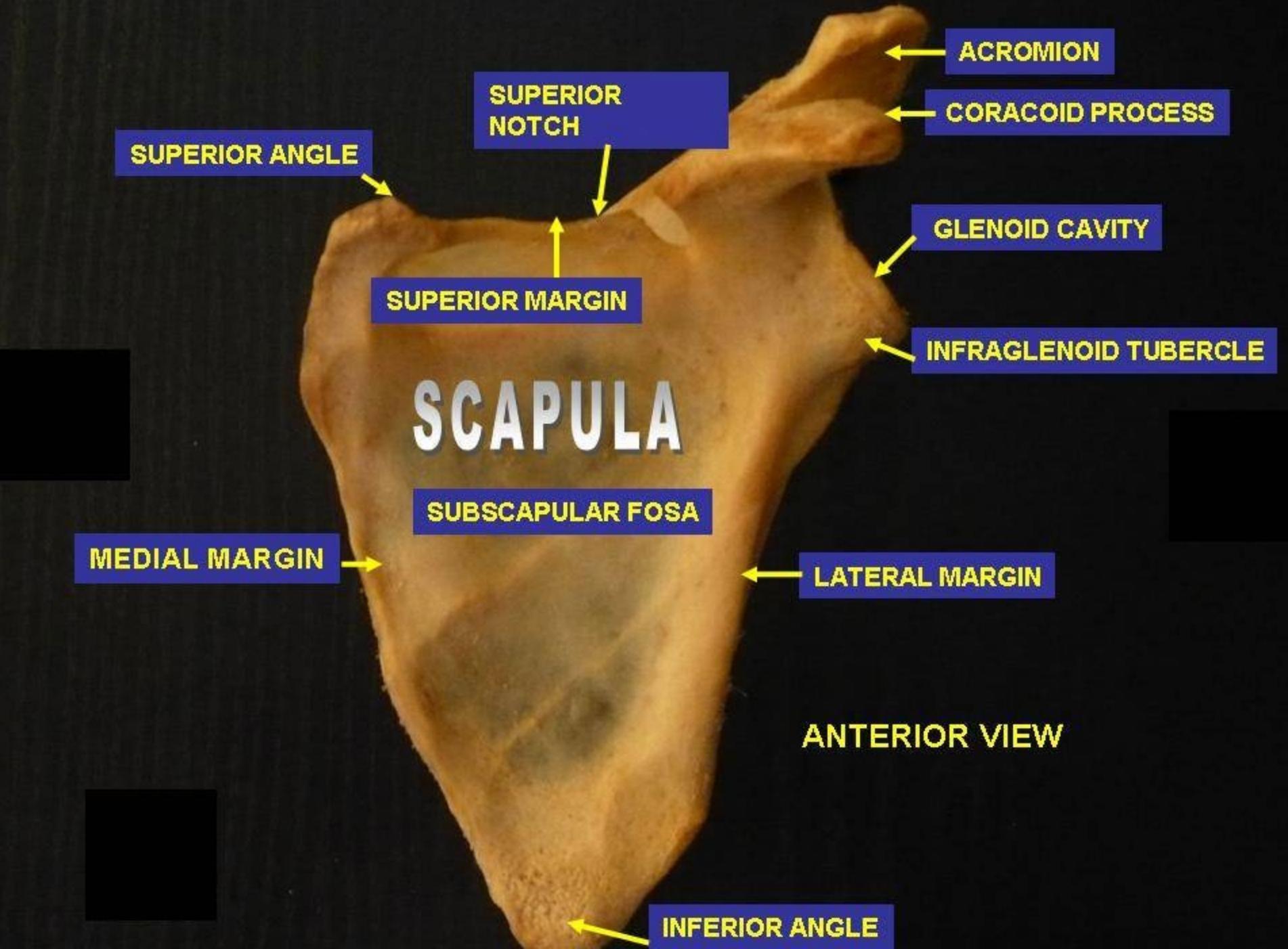


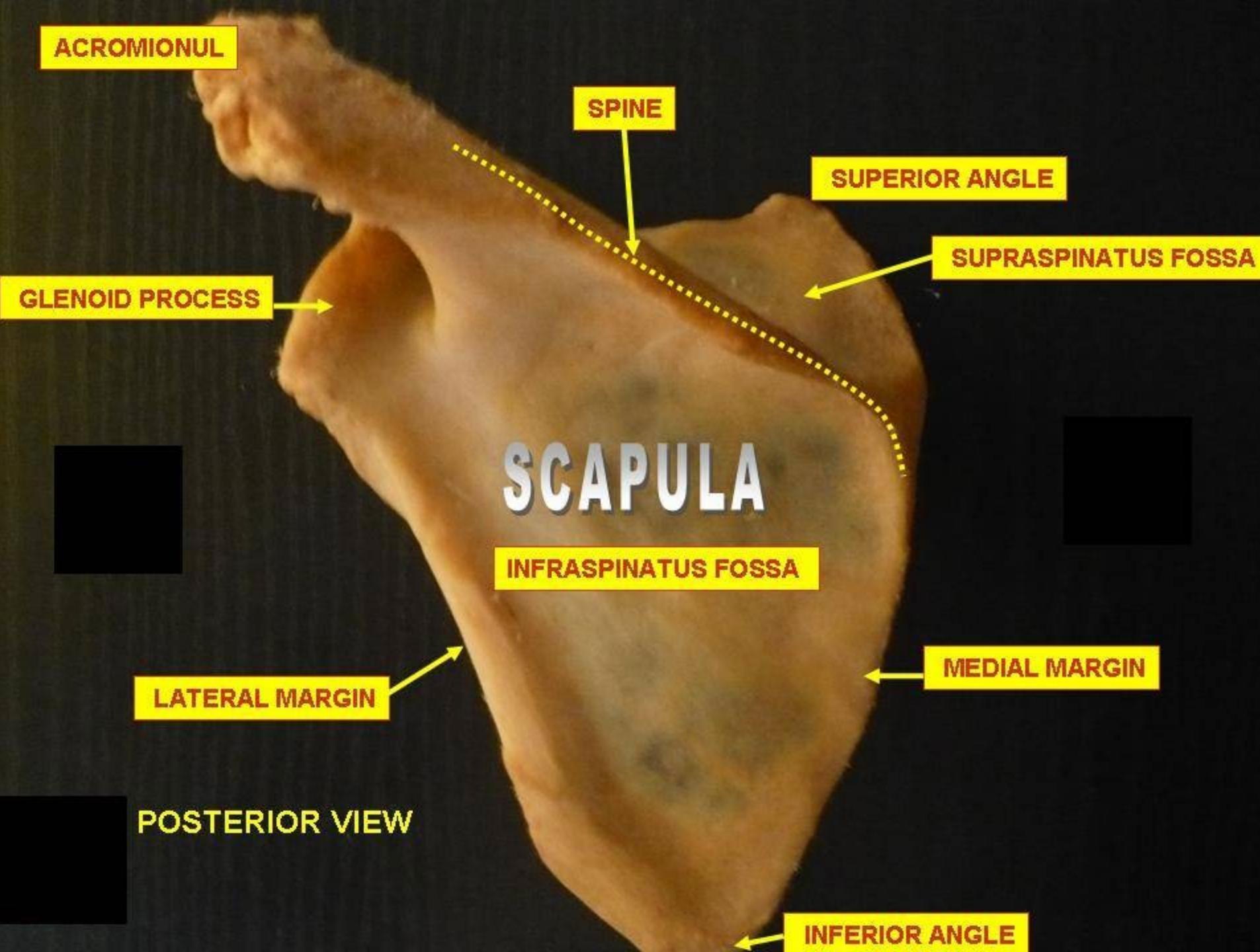
Scapula, posterior view, right side

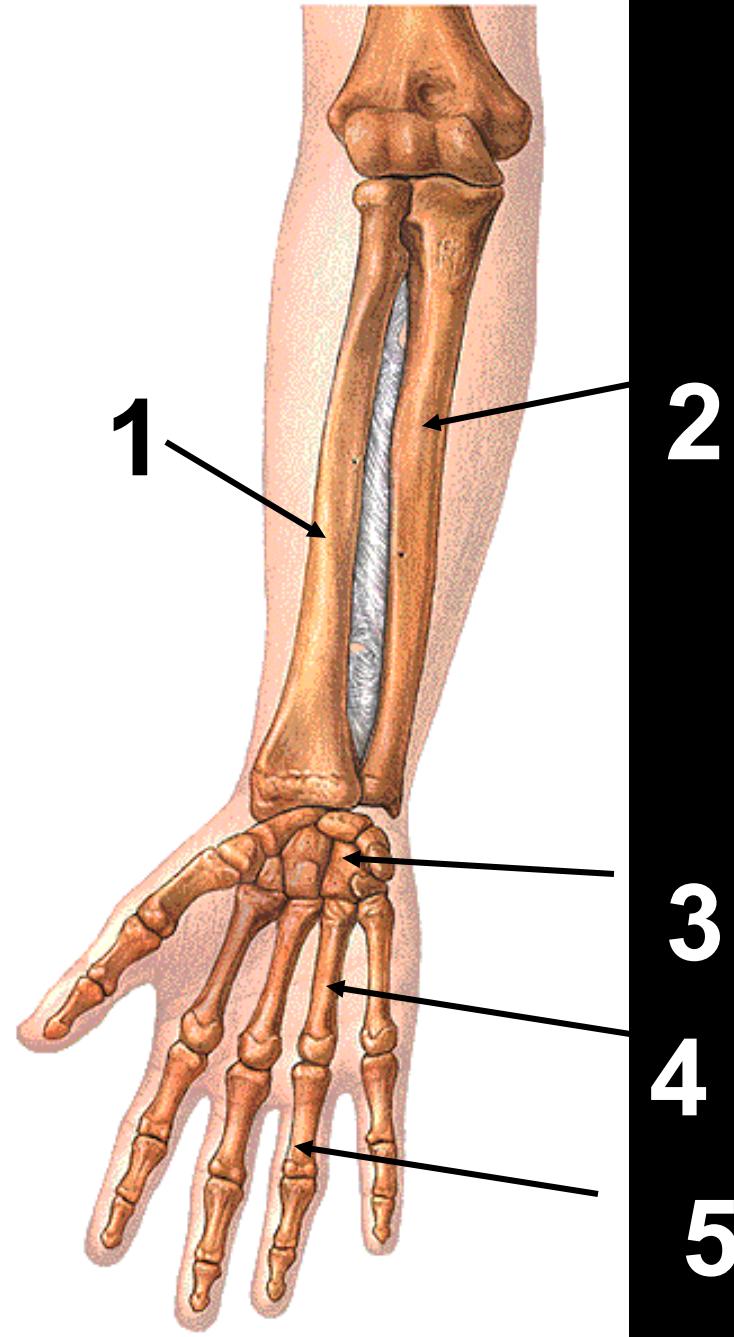






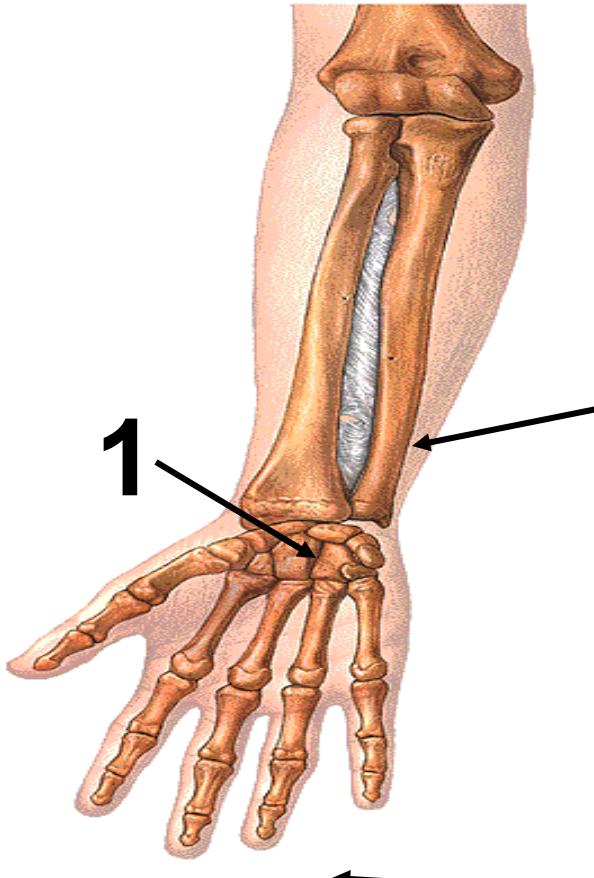




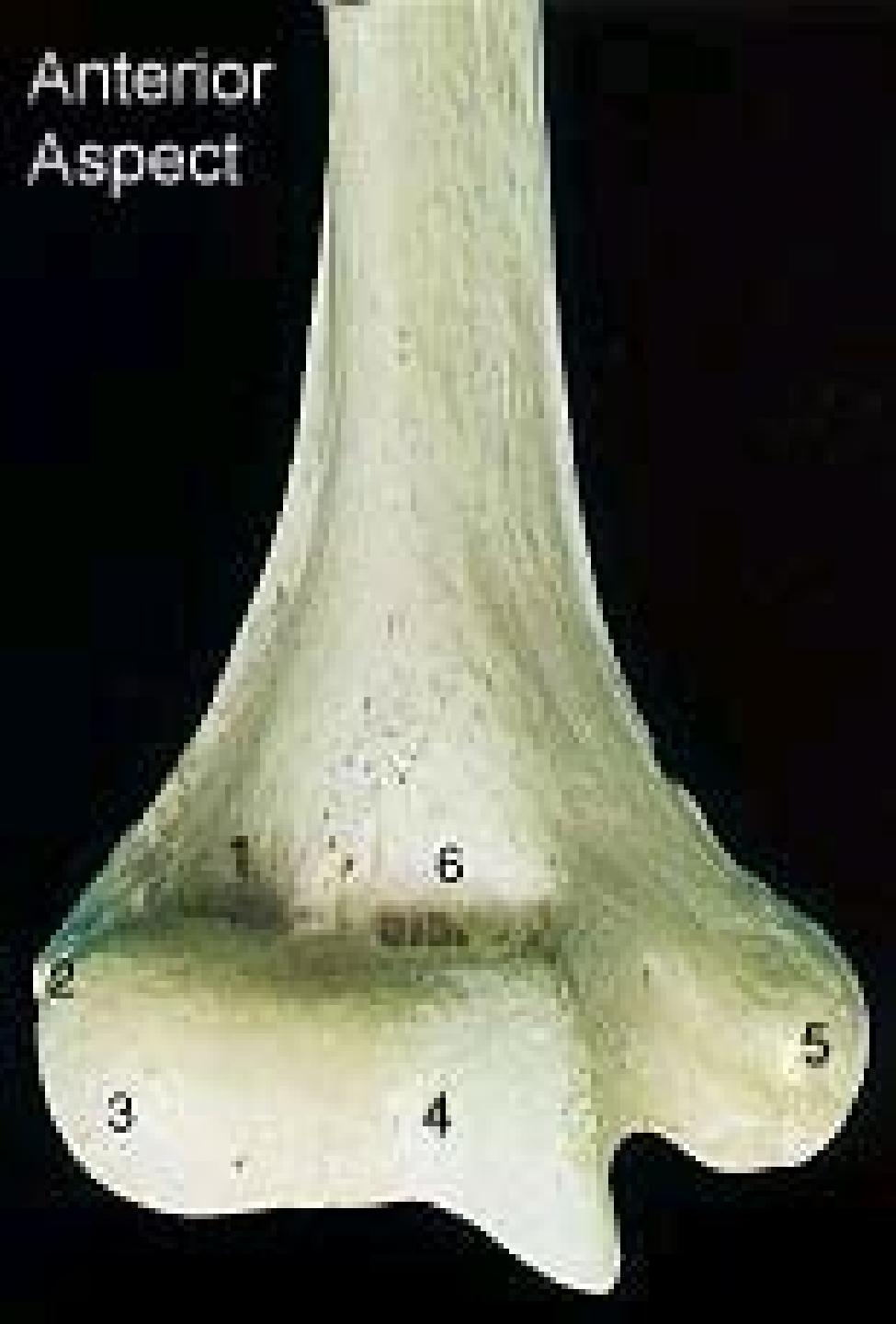




1. Radius
2. Ulna
3. Carpals
4. Metacarpals
5. Phalanges



**Anterior
Aspect**



What bone is this?

Identify structure # 5

Identify structure # 6

Anterior
Aspect



What bone is this? humerus

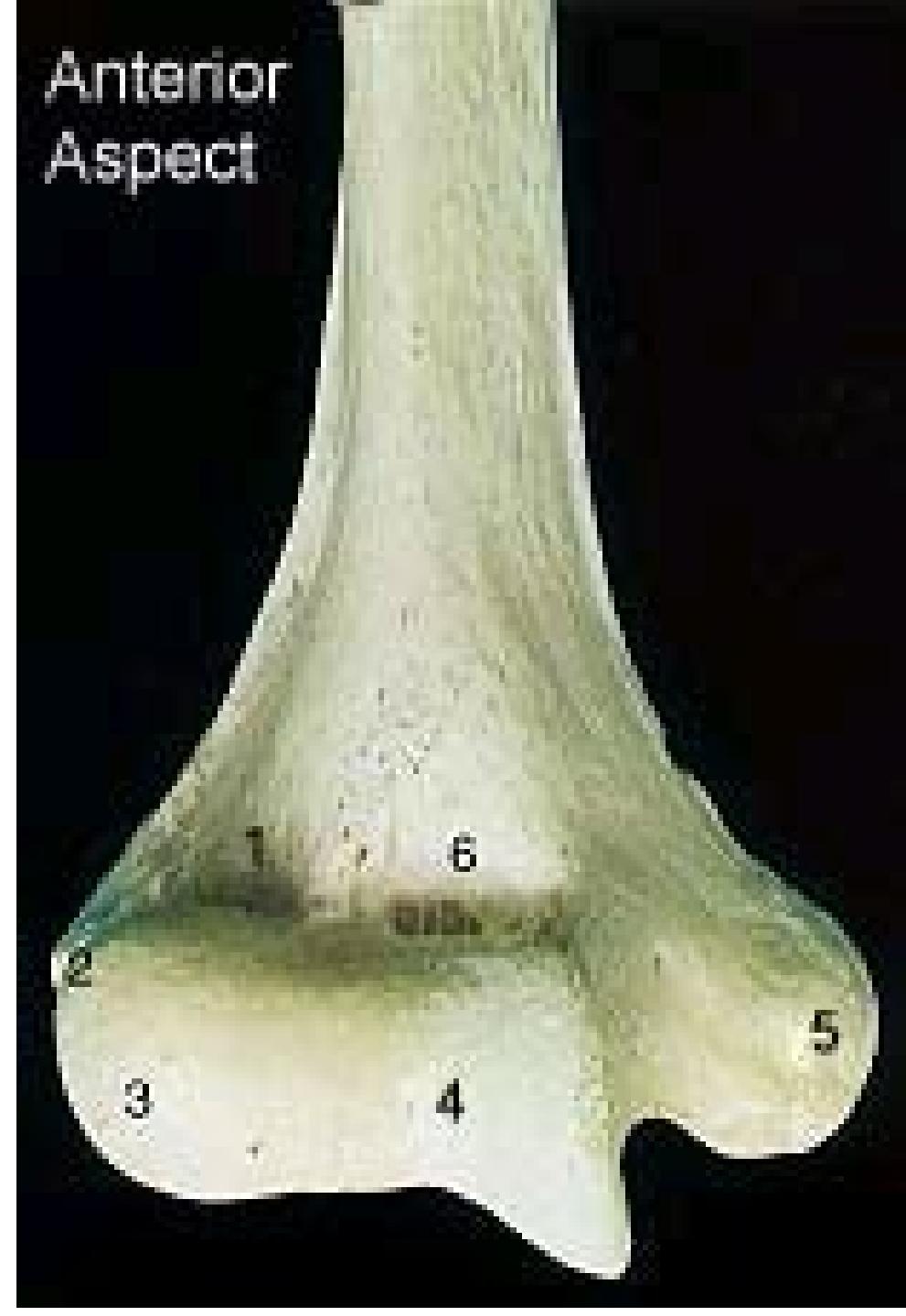
**Identify structure # 5 Medial
Epicondyle**

**Identify structure # 6 Coronoid
Fossa**

Posterior
Aspect



Anterior
Aspect

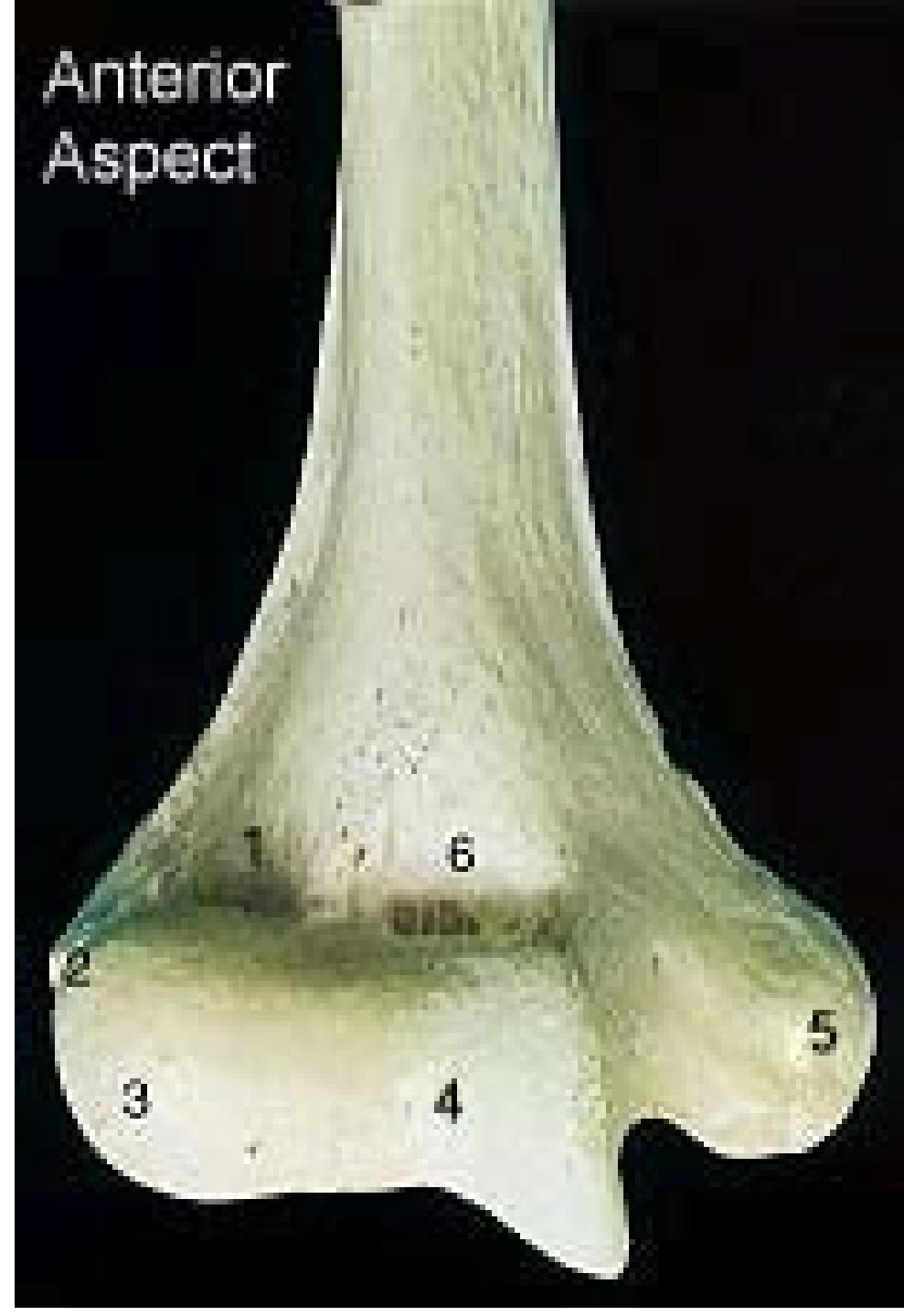


- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

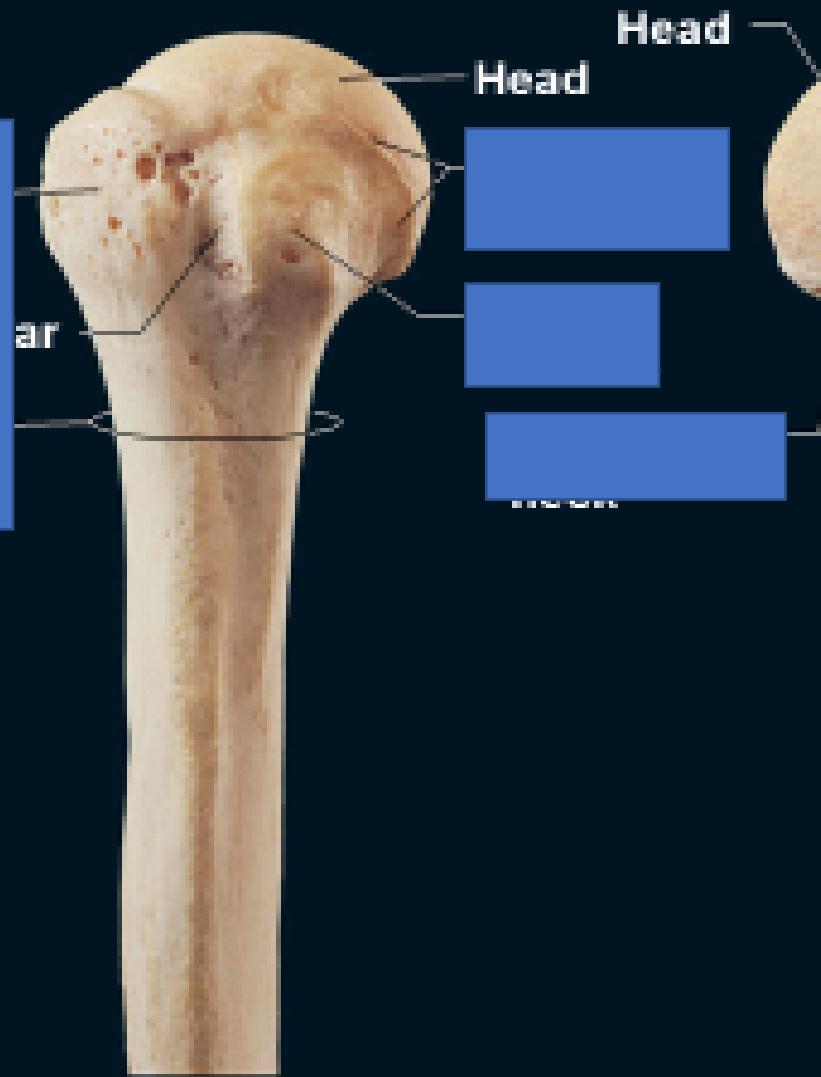
Posterior
Aspect



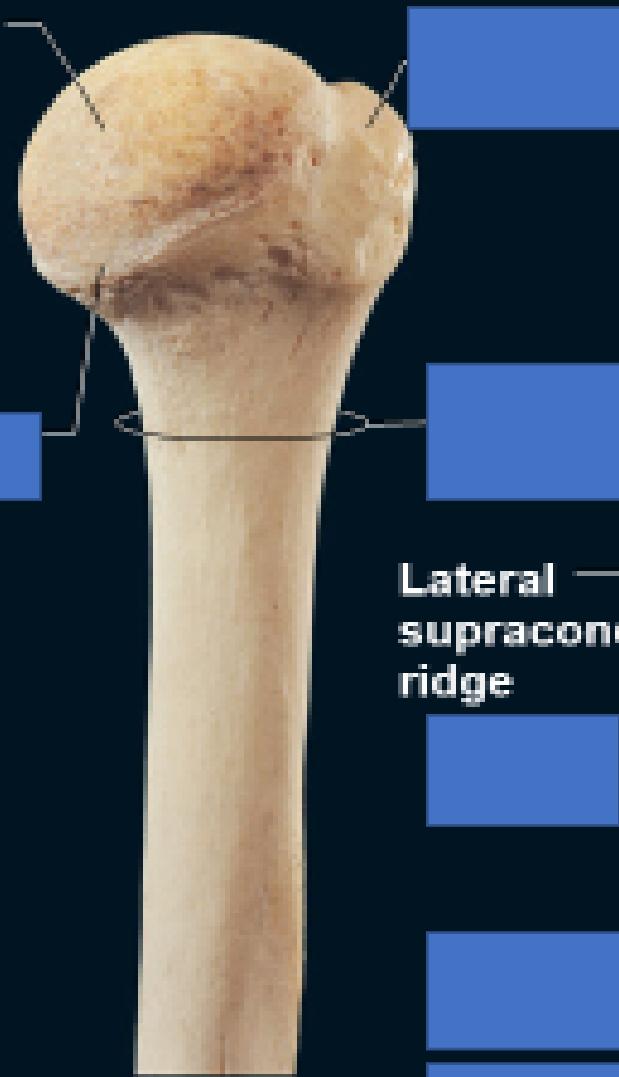
Anterior
Aspect



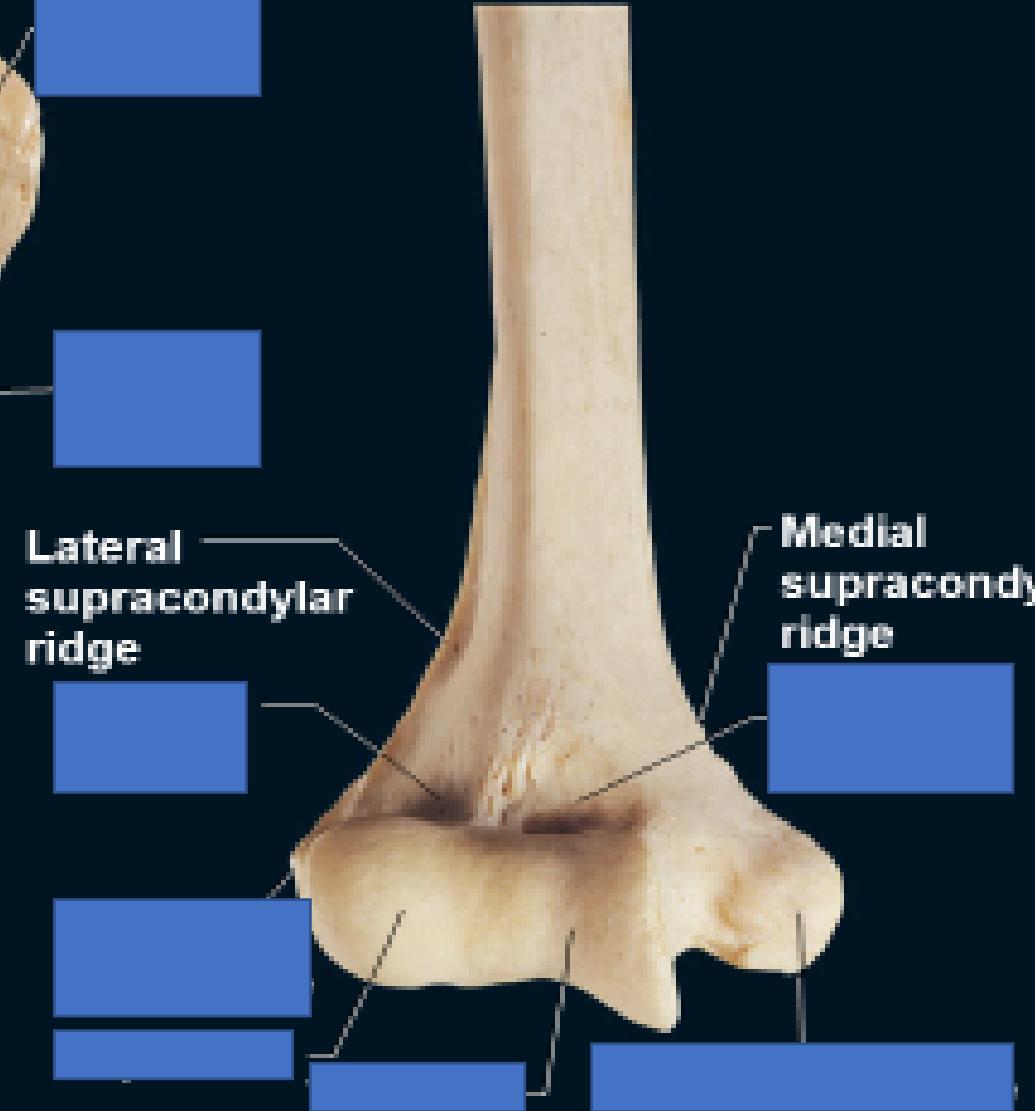
1. Radial Fossa
2. Lateral Epicondyle
3. Capitulum
4. Trochlea
5. **Medial Epicondyle**
6. **Coronoid Fossa**
7. Olecranon Fossa



(c) proximal end, anterior view



(d) proximal end, posterior view



(e) distal end, anterior view

Figure 25 Right humerus.

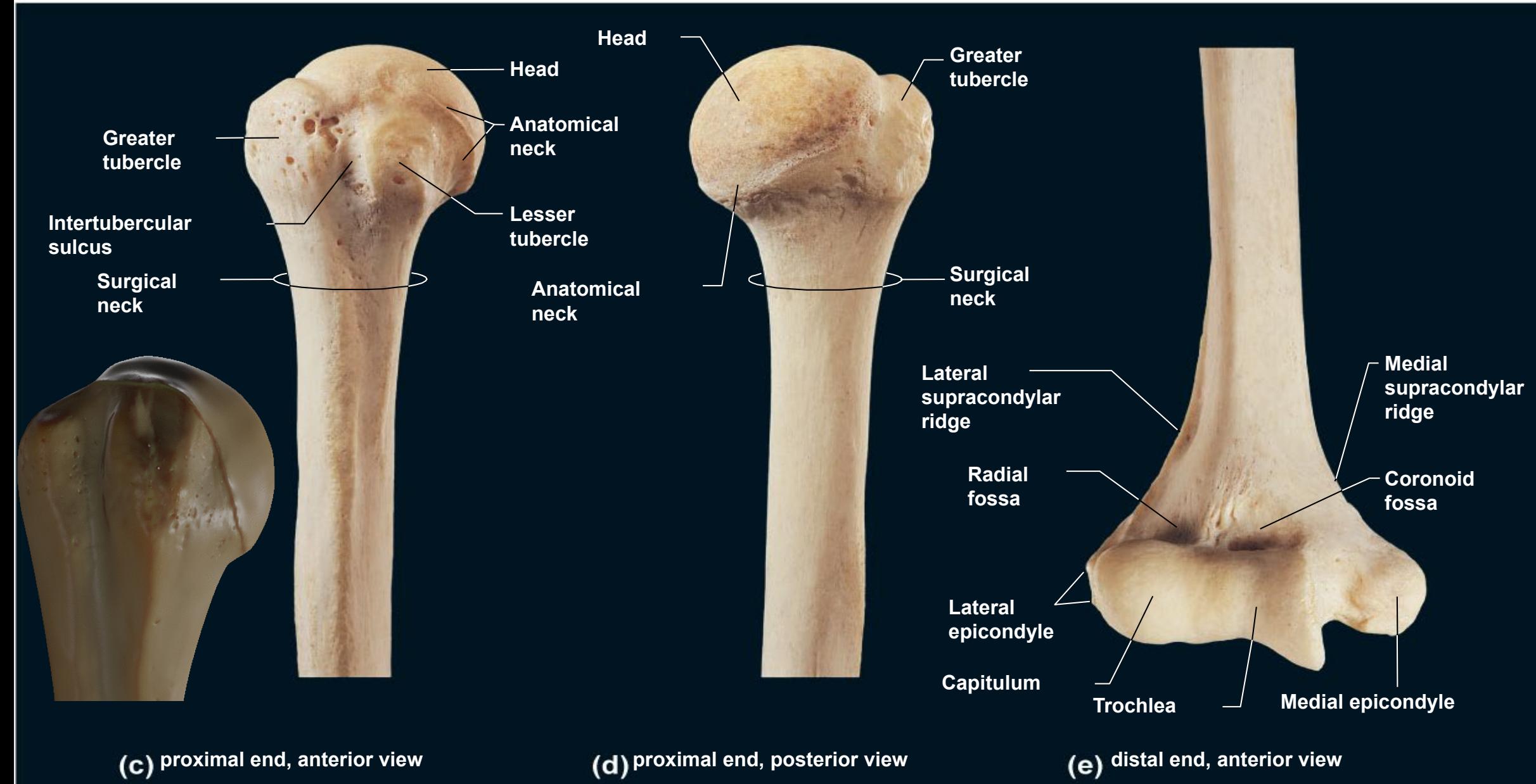
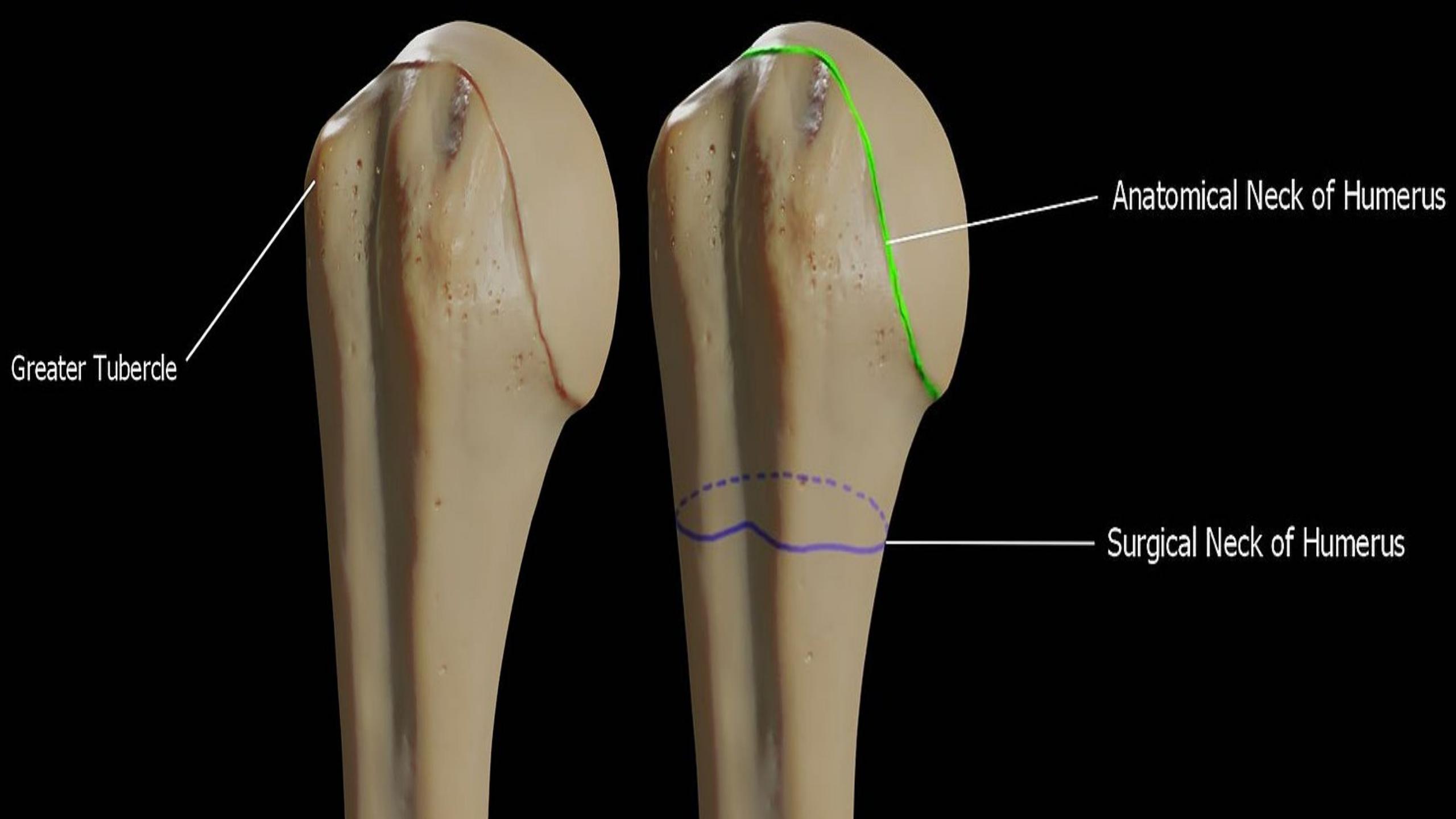
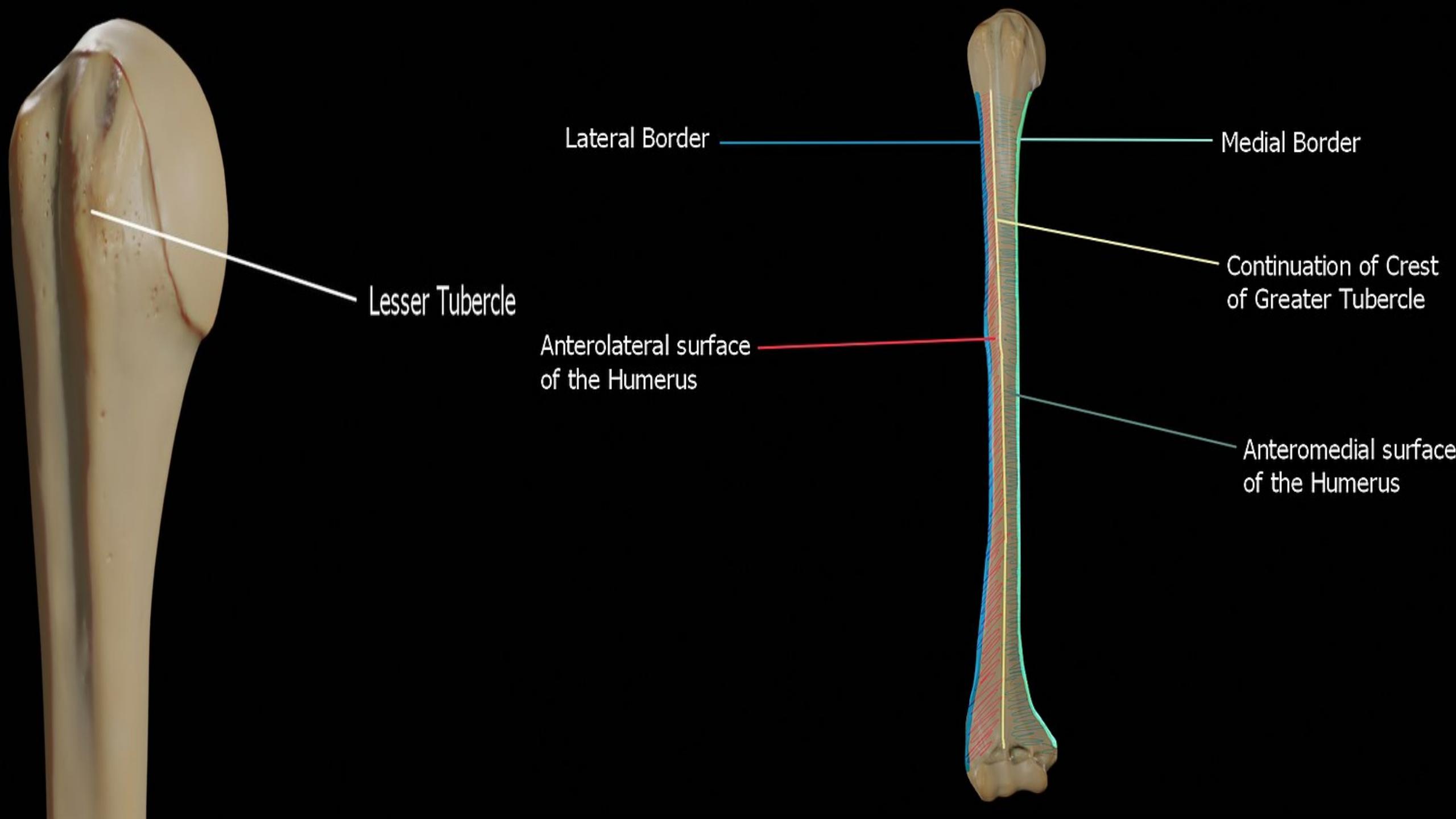
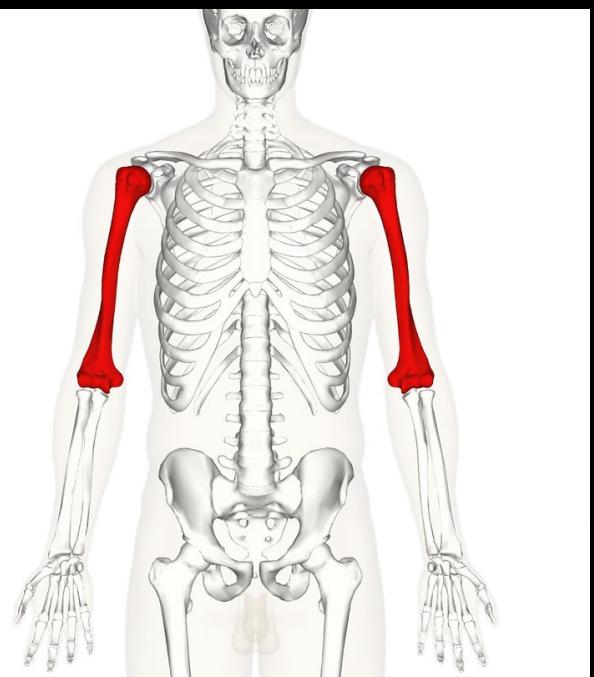


Figure 25 Right humerus.

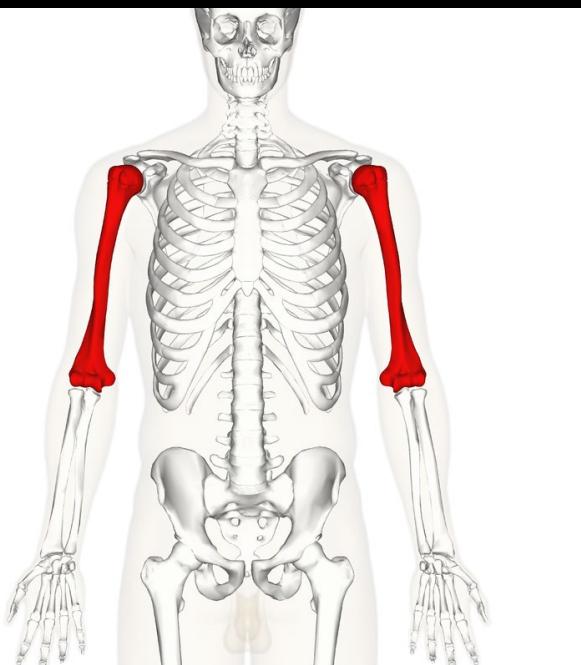
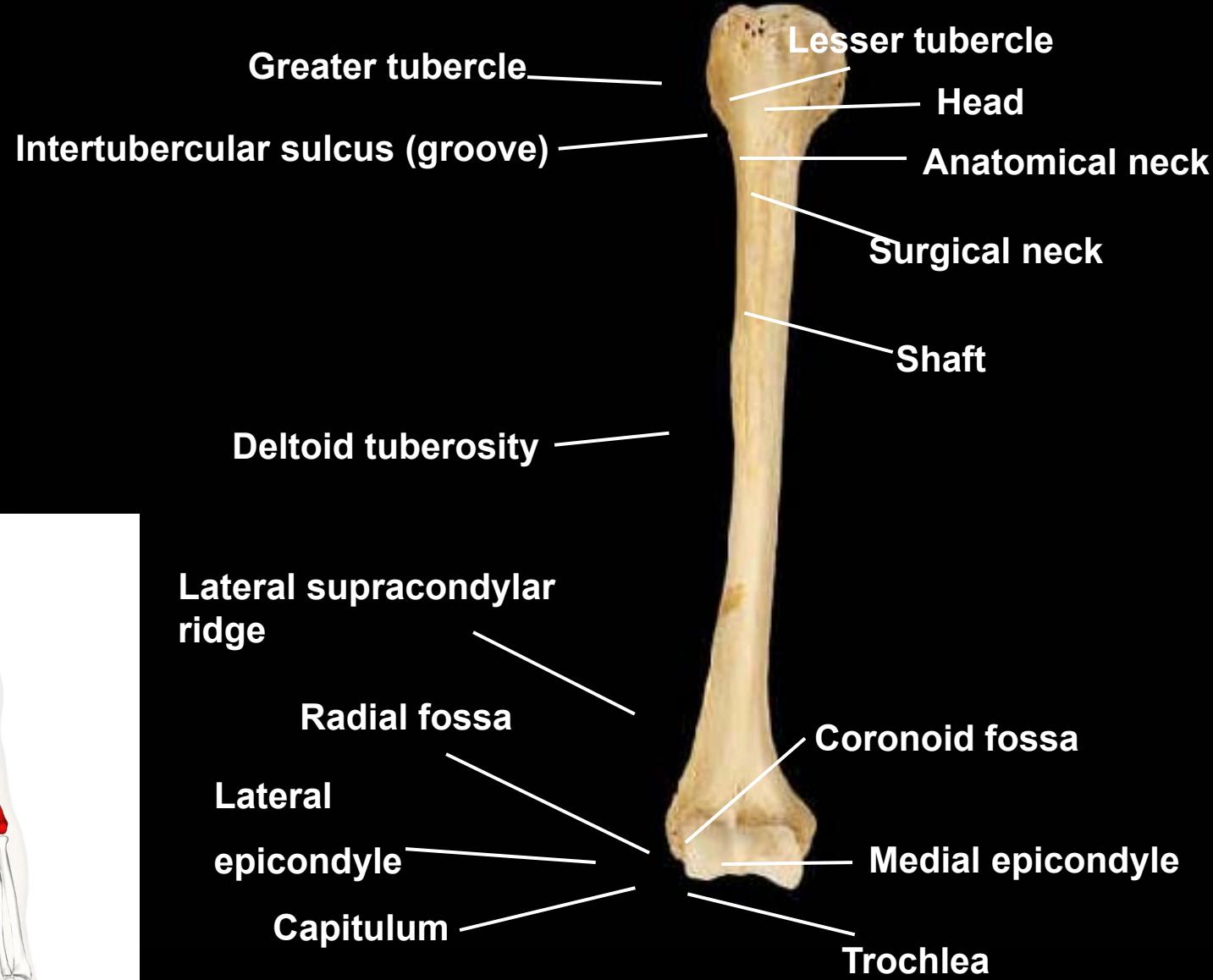




Humerus, anterior view, right side



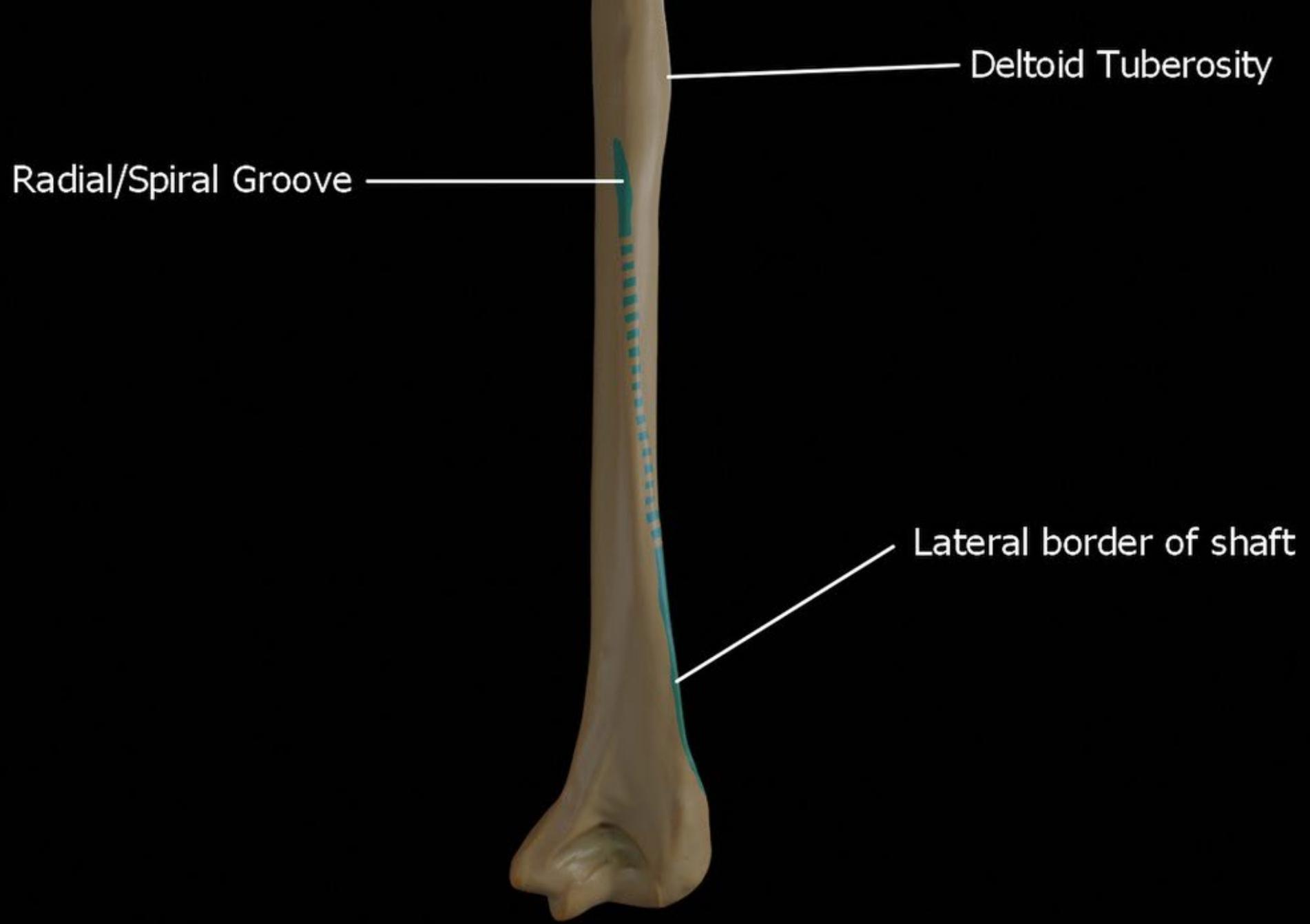
Humerus, anterior view, right side

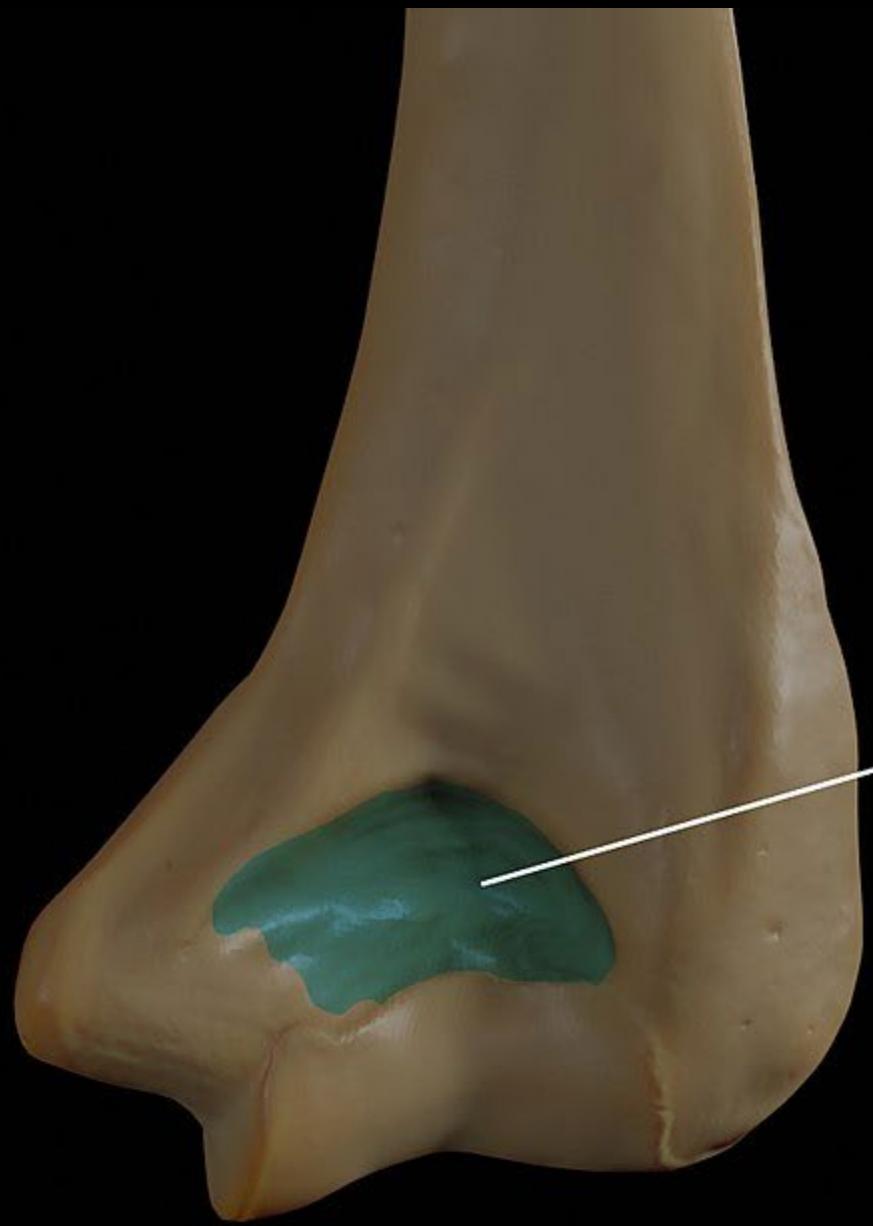




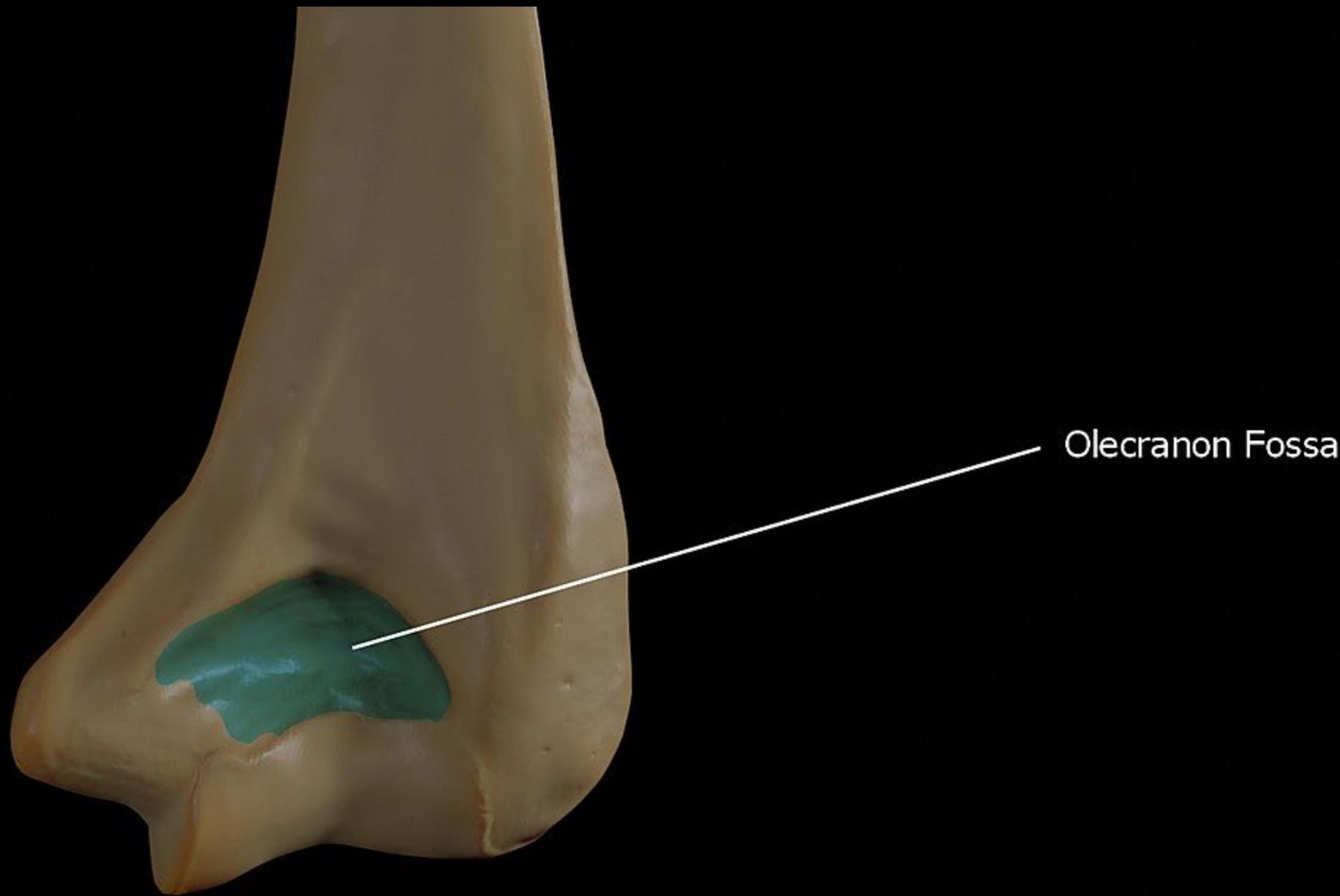
Deltoid tuberosity



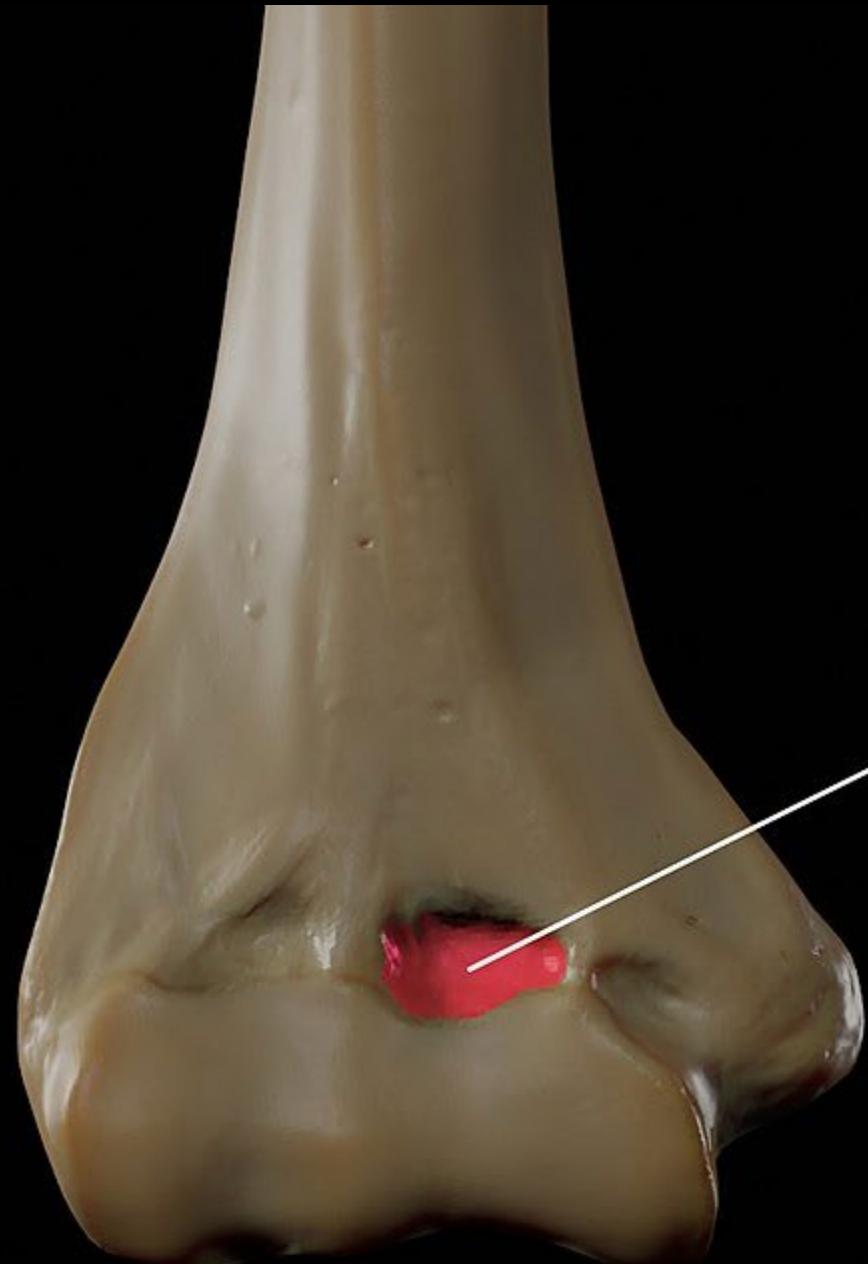




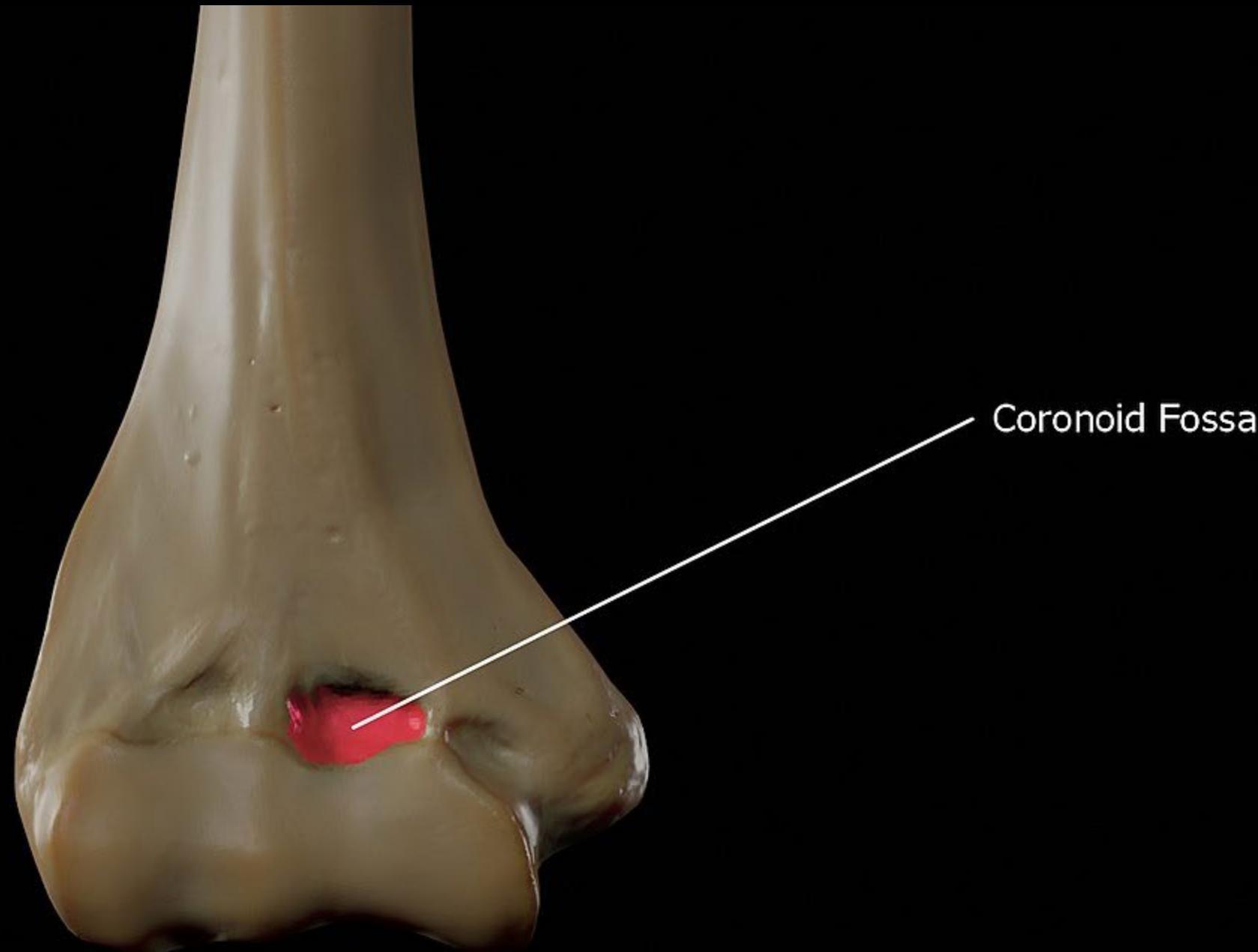
?



Olecranon Fossa

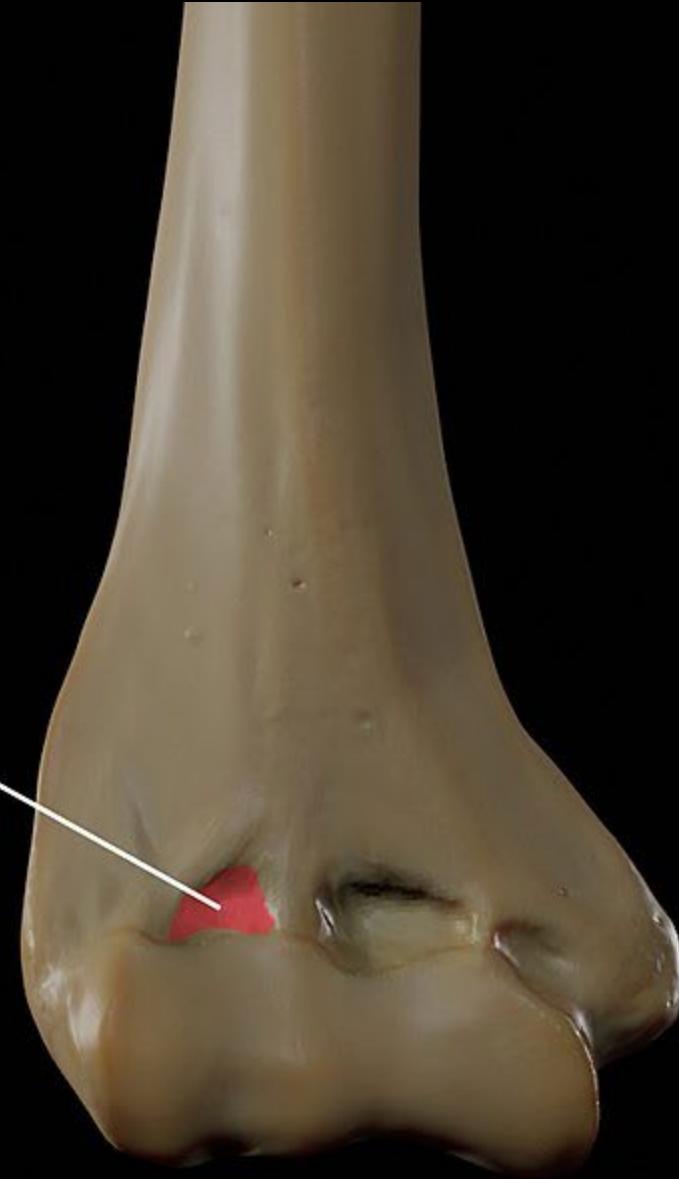


?

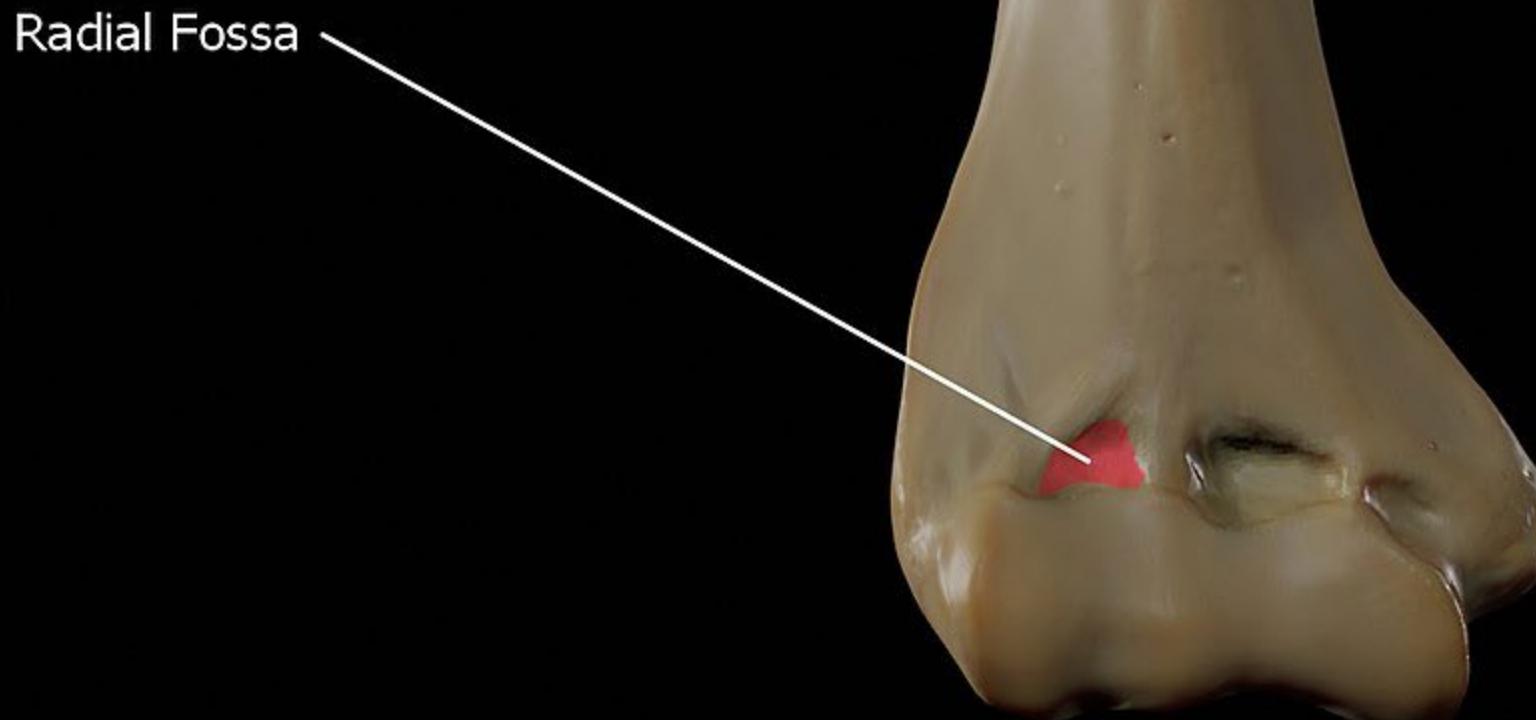


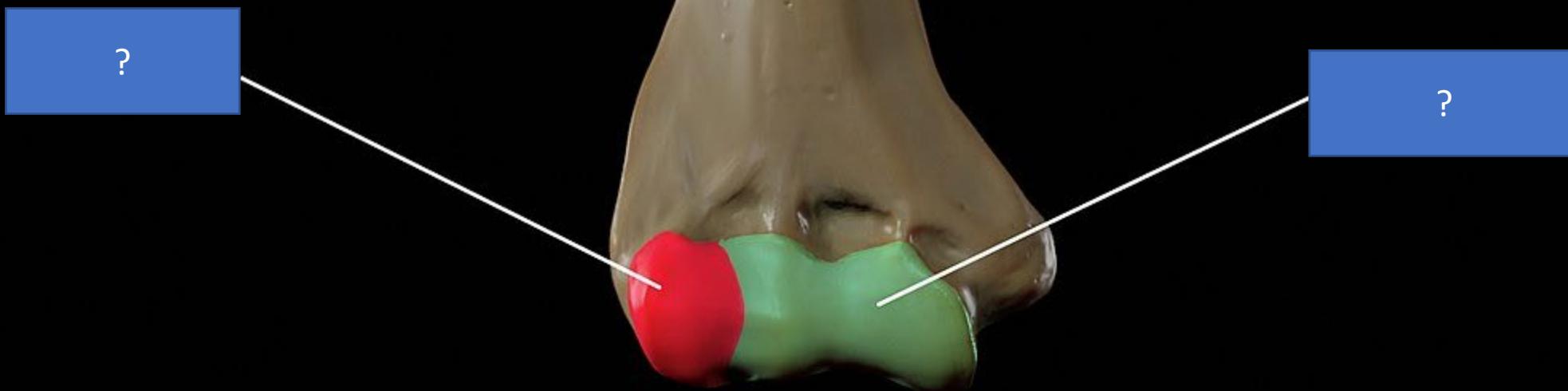
Coronoid Fossa

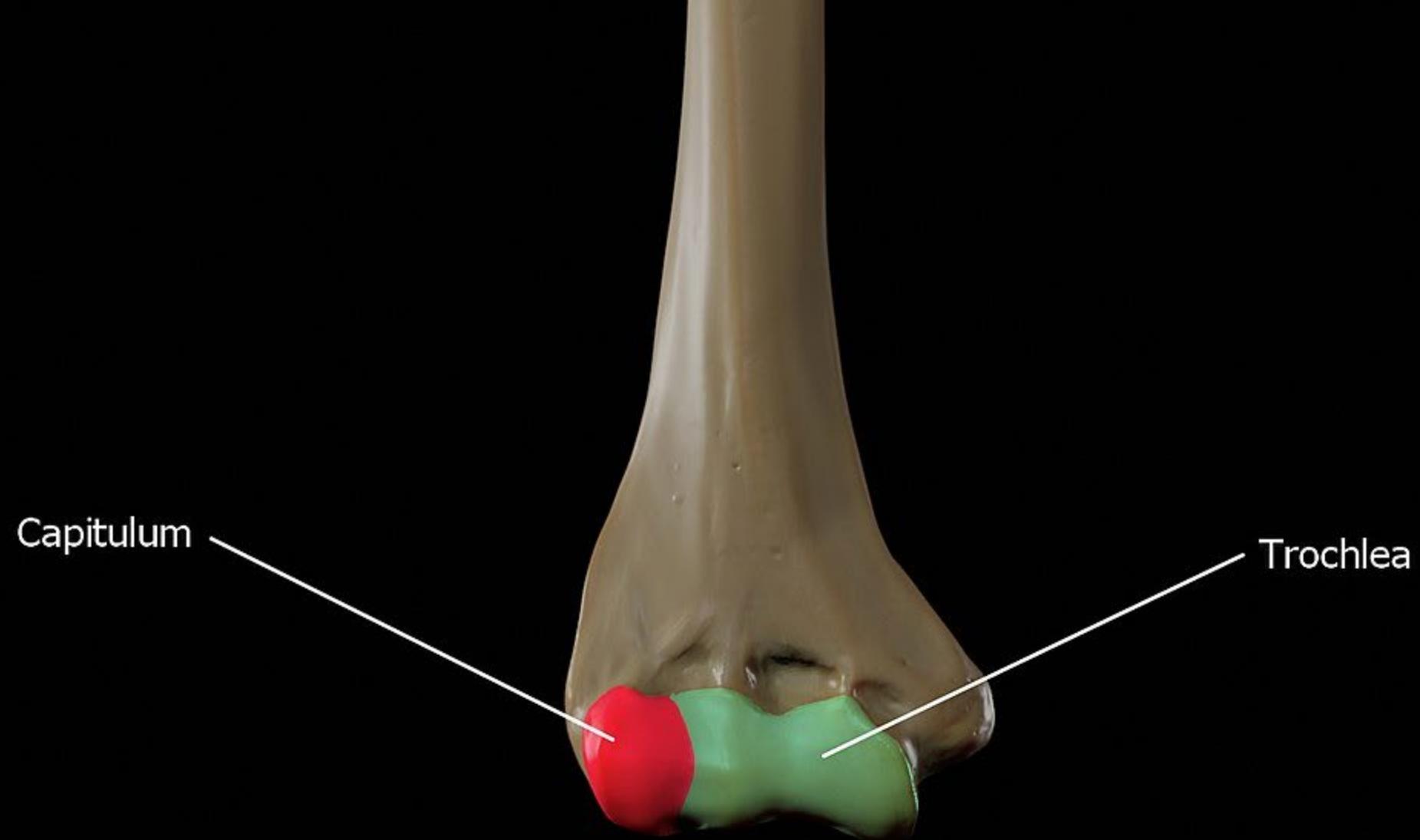
?

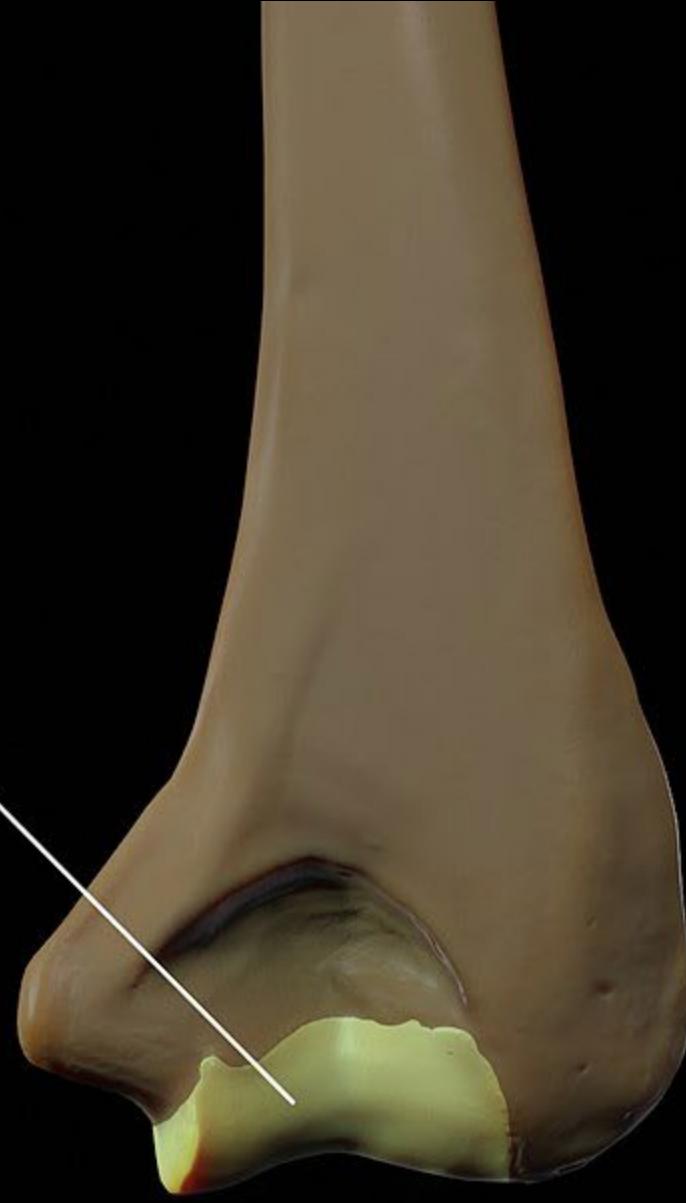
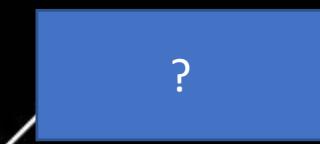


Radial Fossa



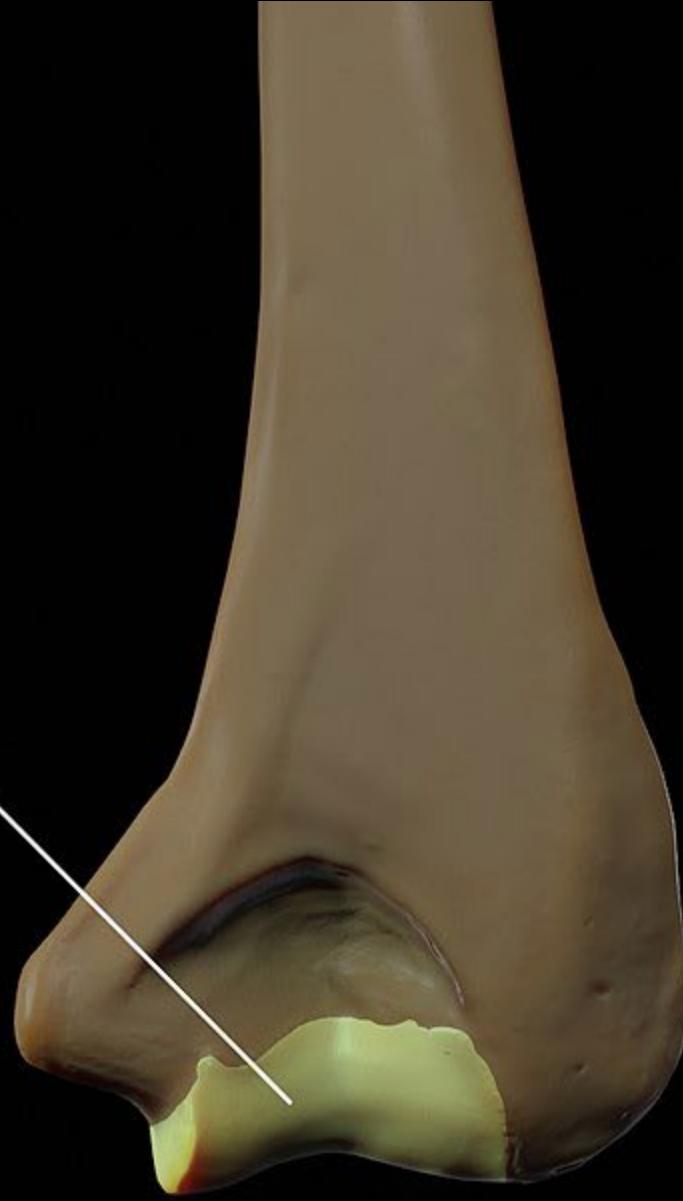








Trochlea



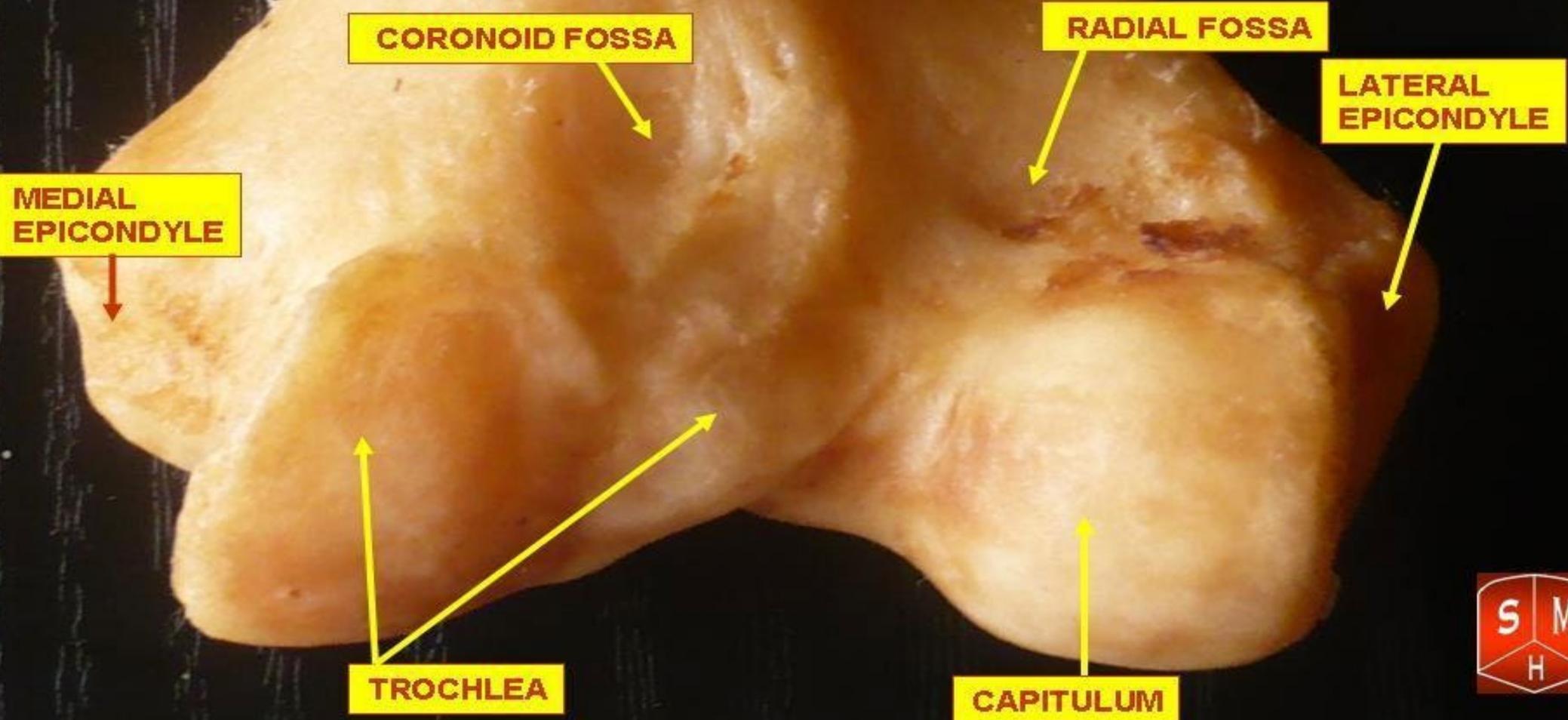




Lateral Epicondyle

Medial Epicondyle

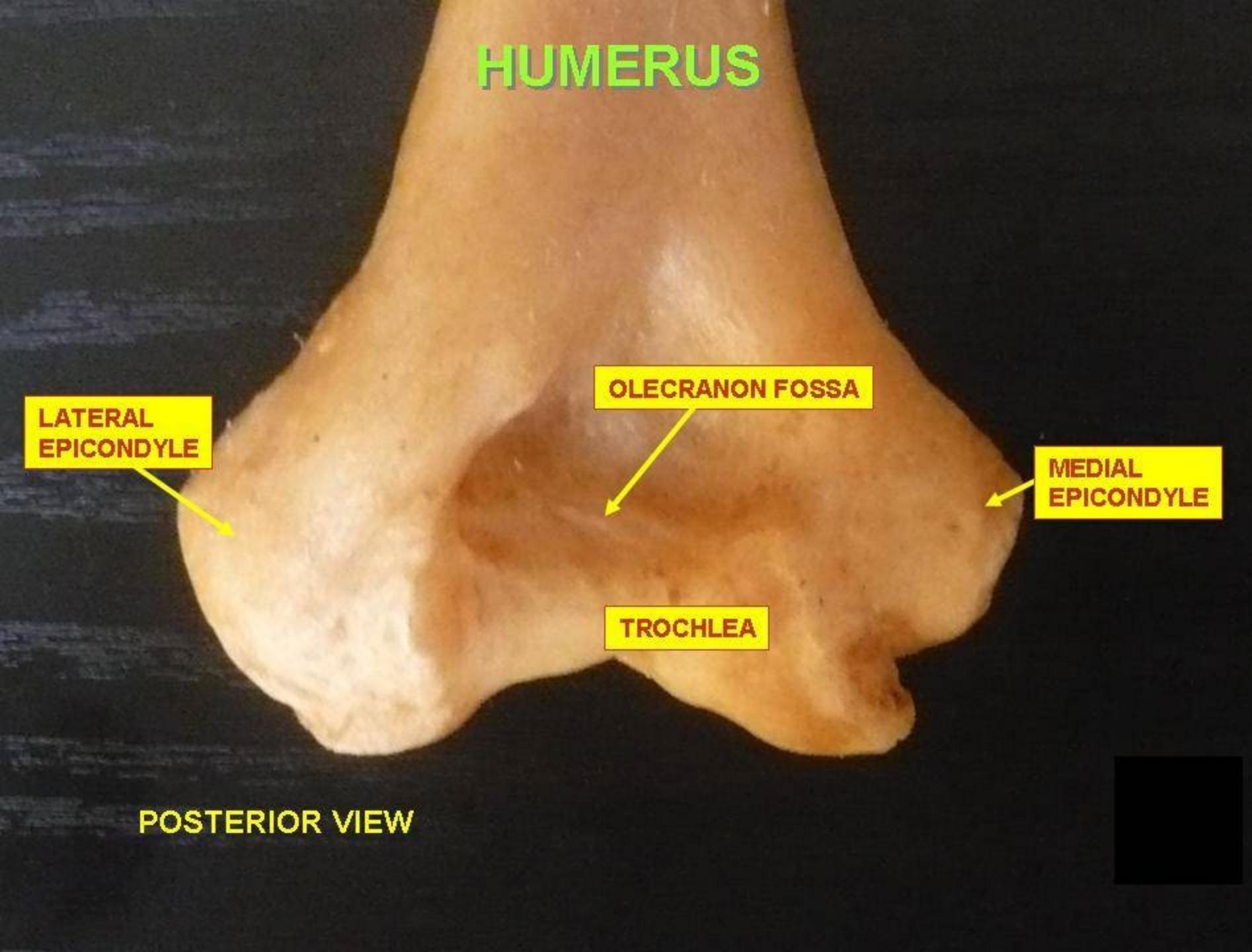
HUMERUS

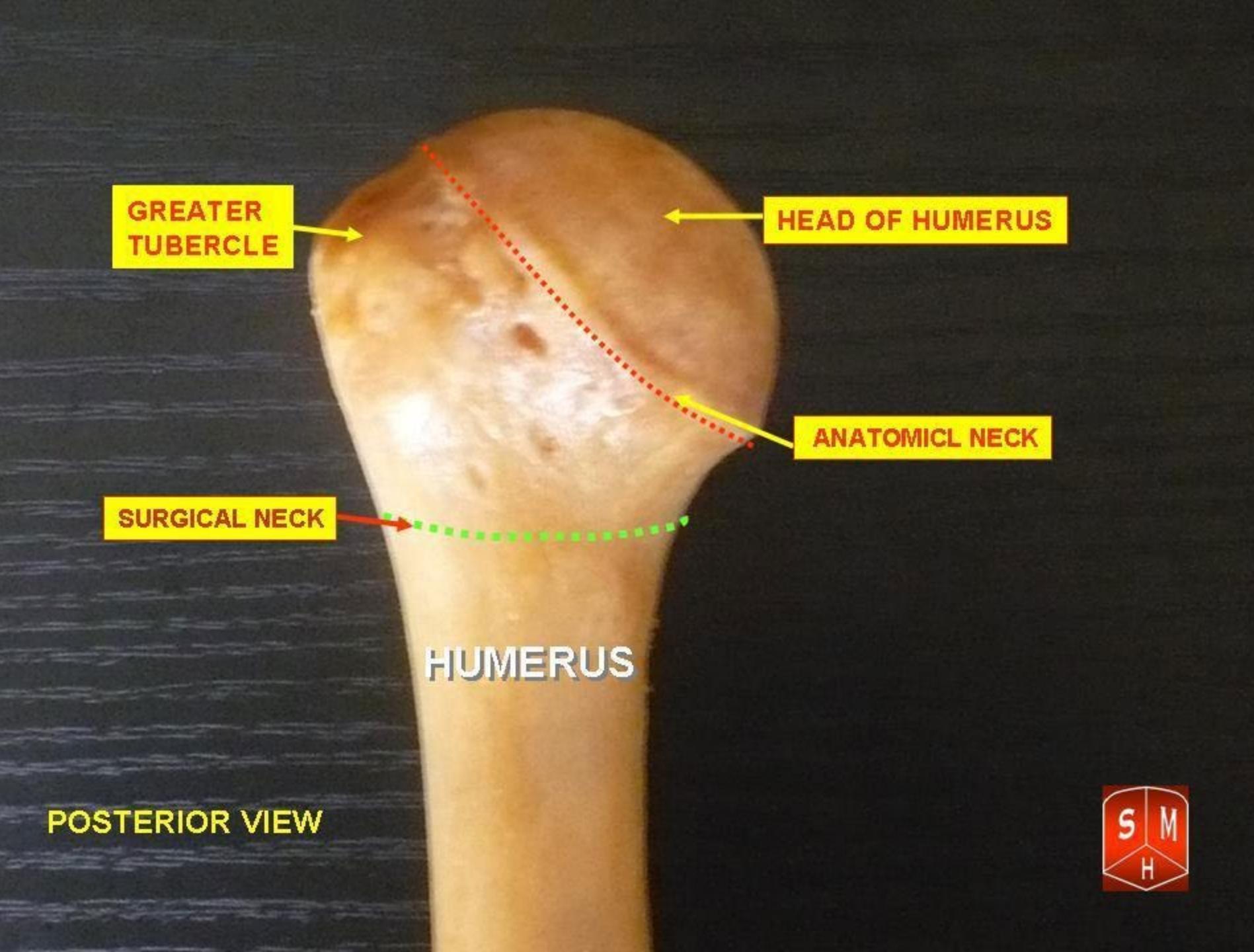


ANTERIOR VIEW

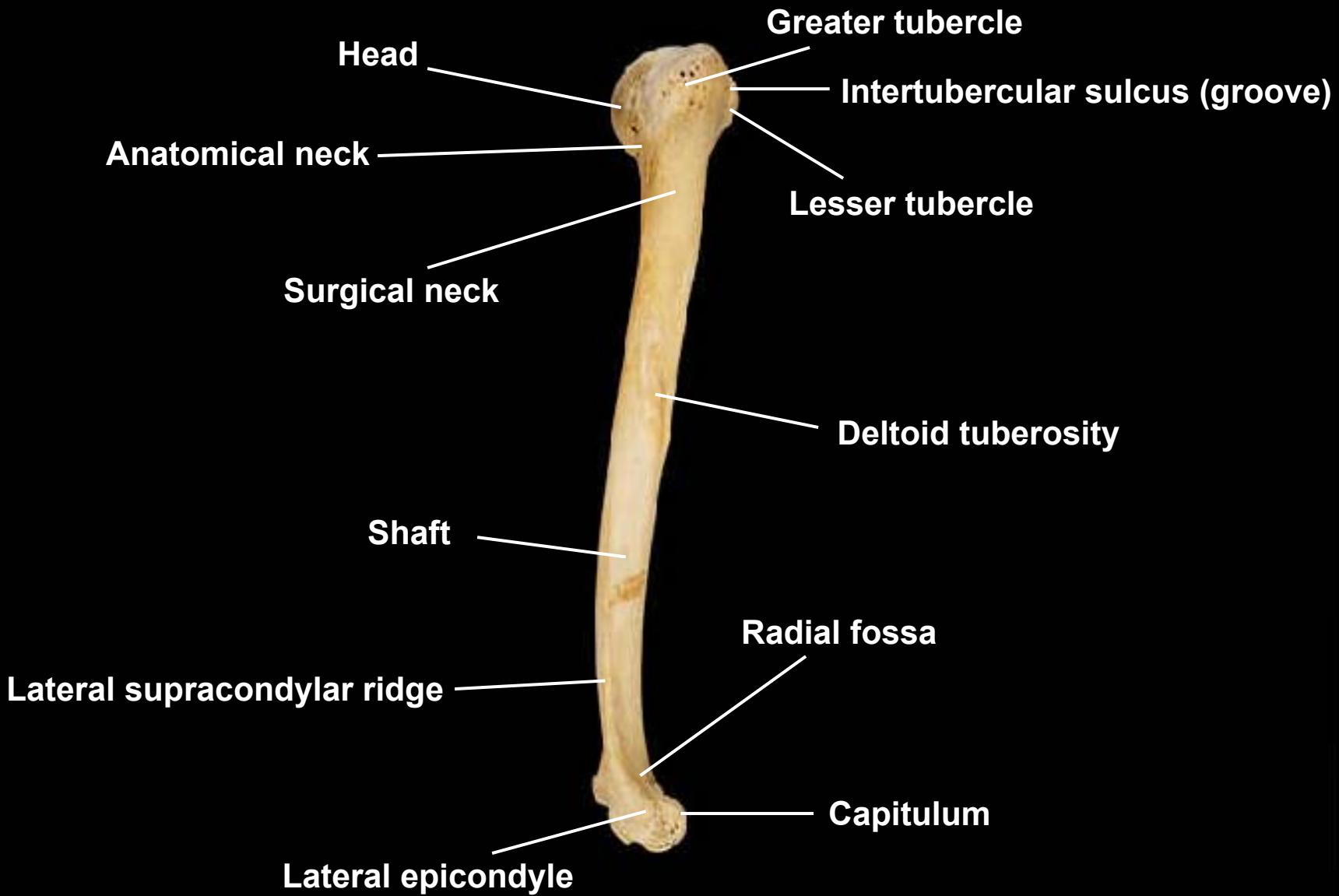


HUMERUS

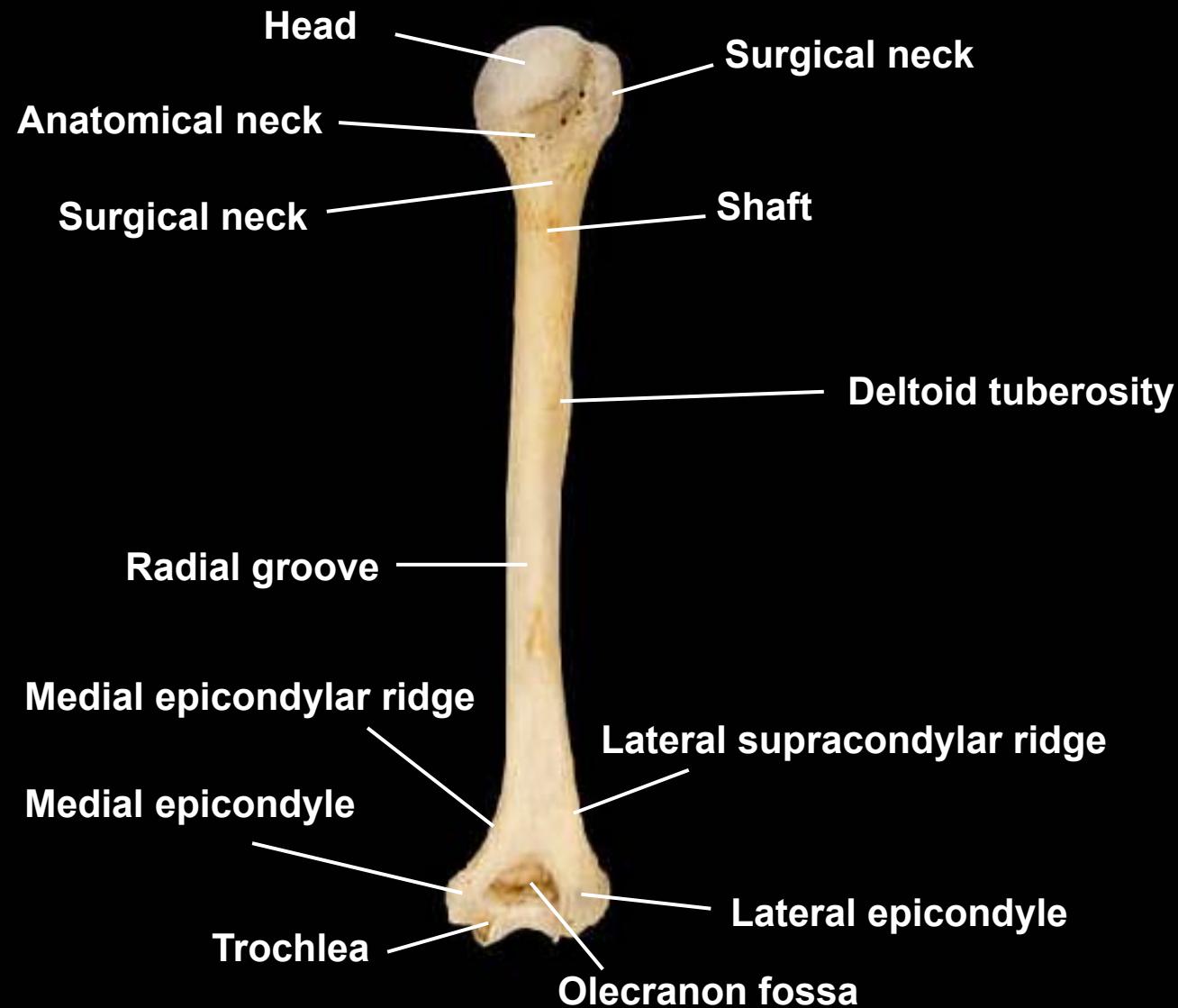




Humerus, lateral view, right side



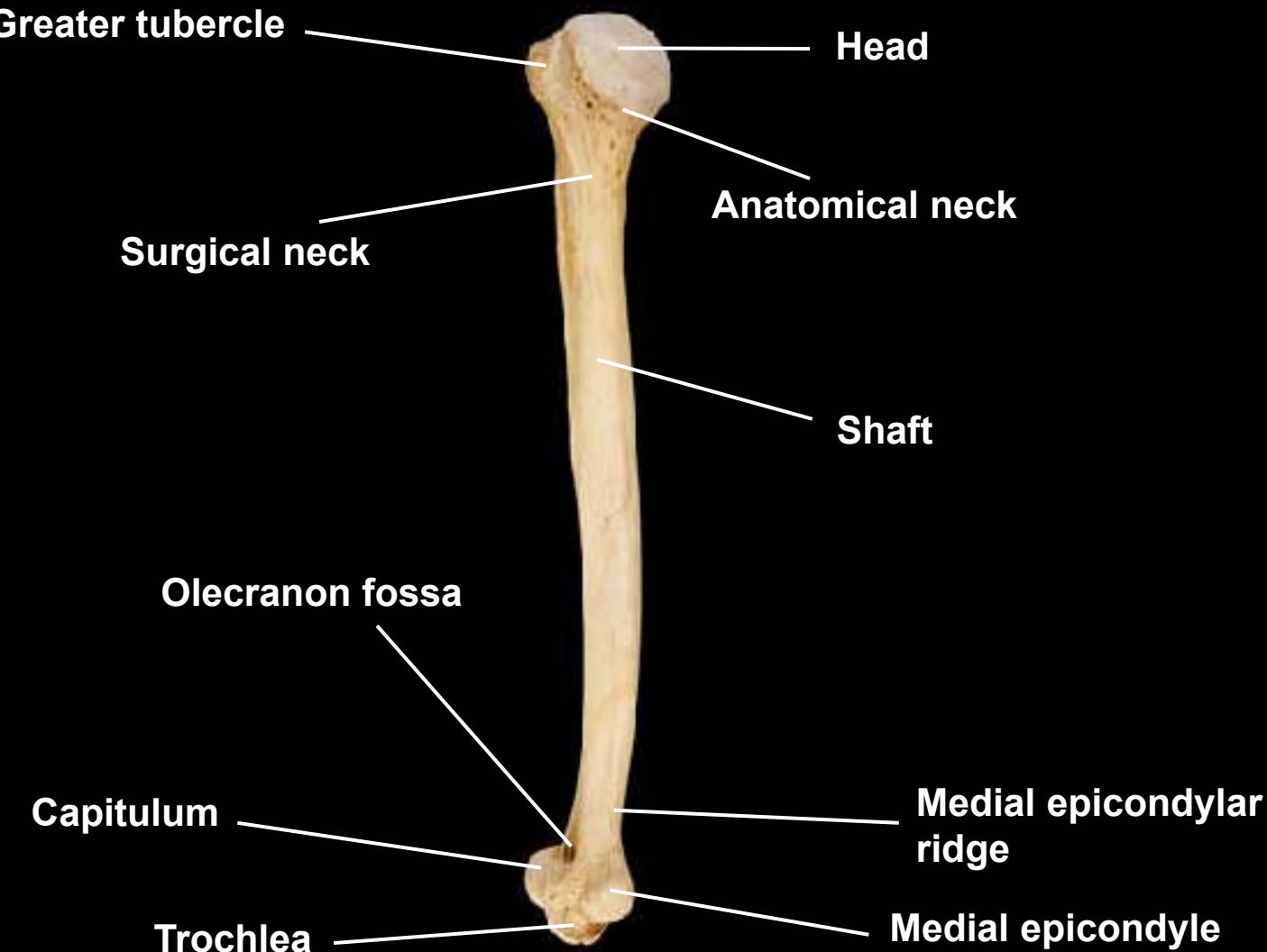
Humerus, posterior view, right side



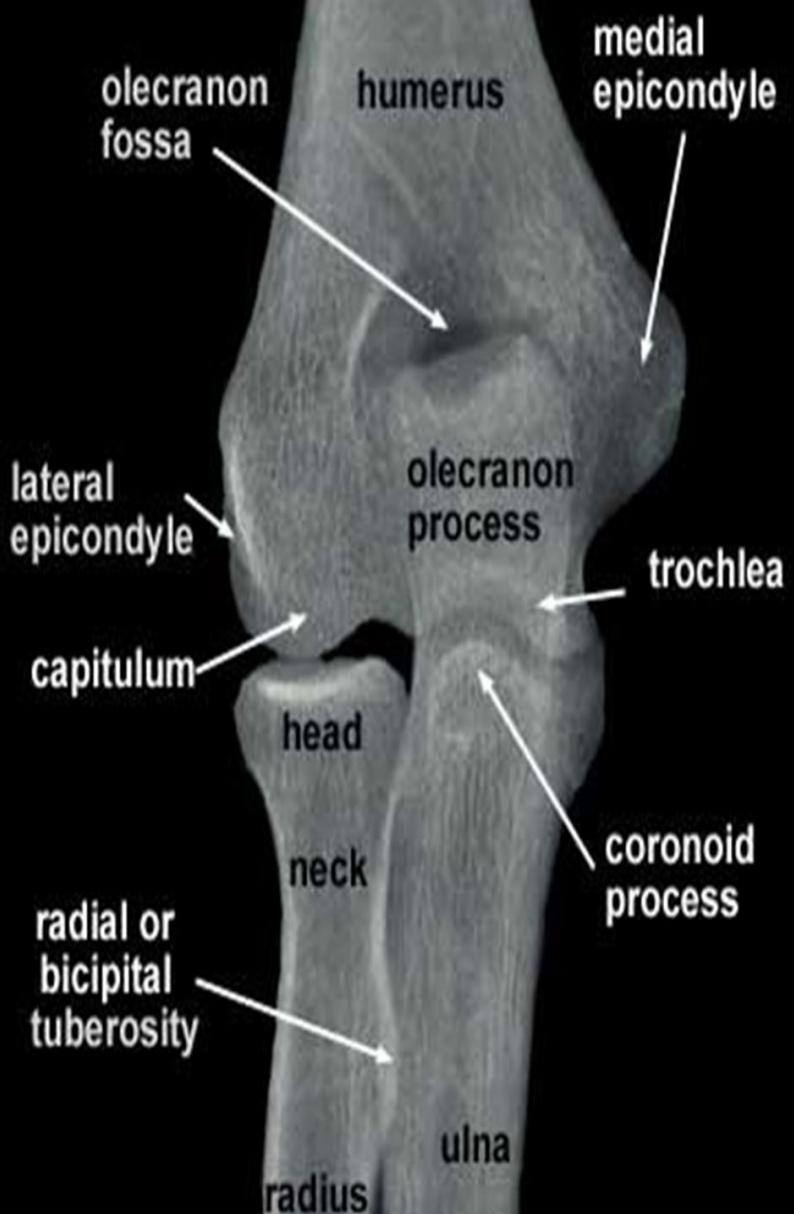
Humerus, medial view, right side

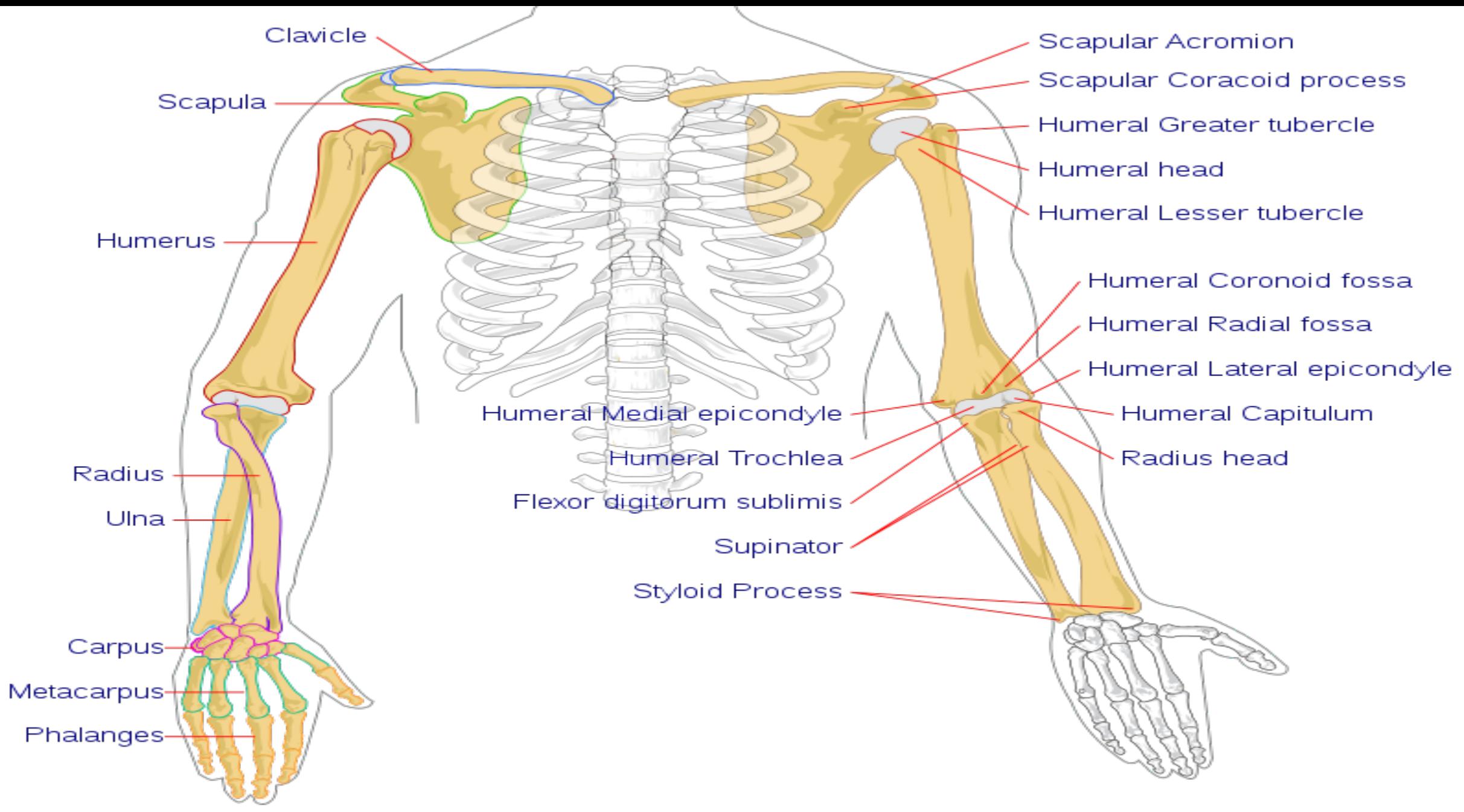


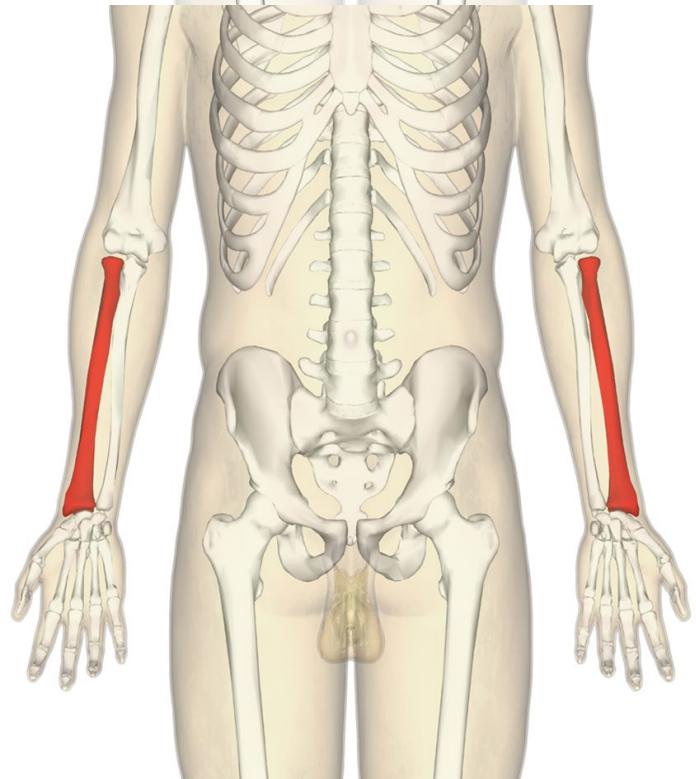
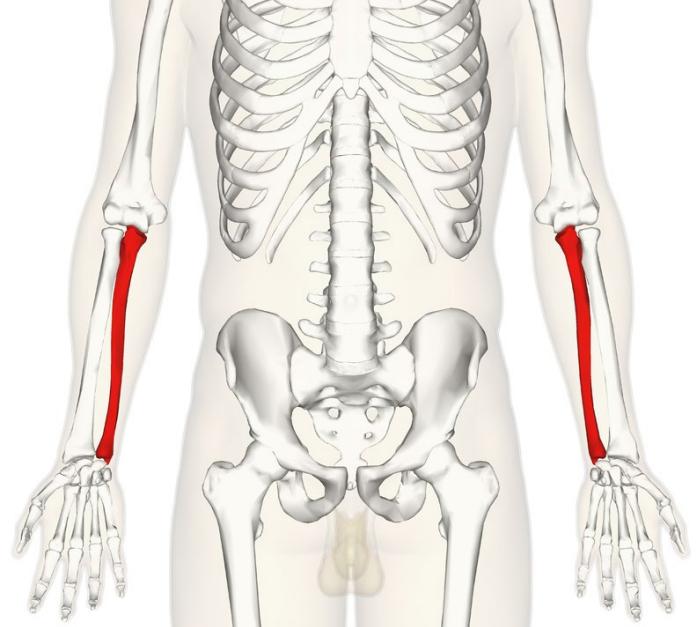
Humerus, medial view, right side



Humerus, anterior view

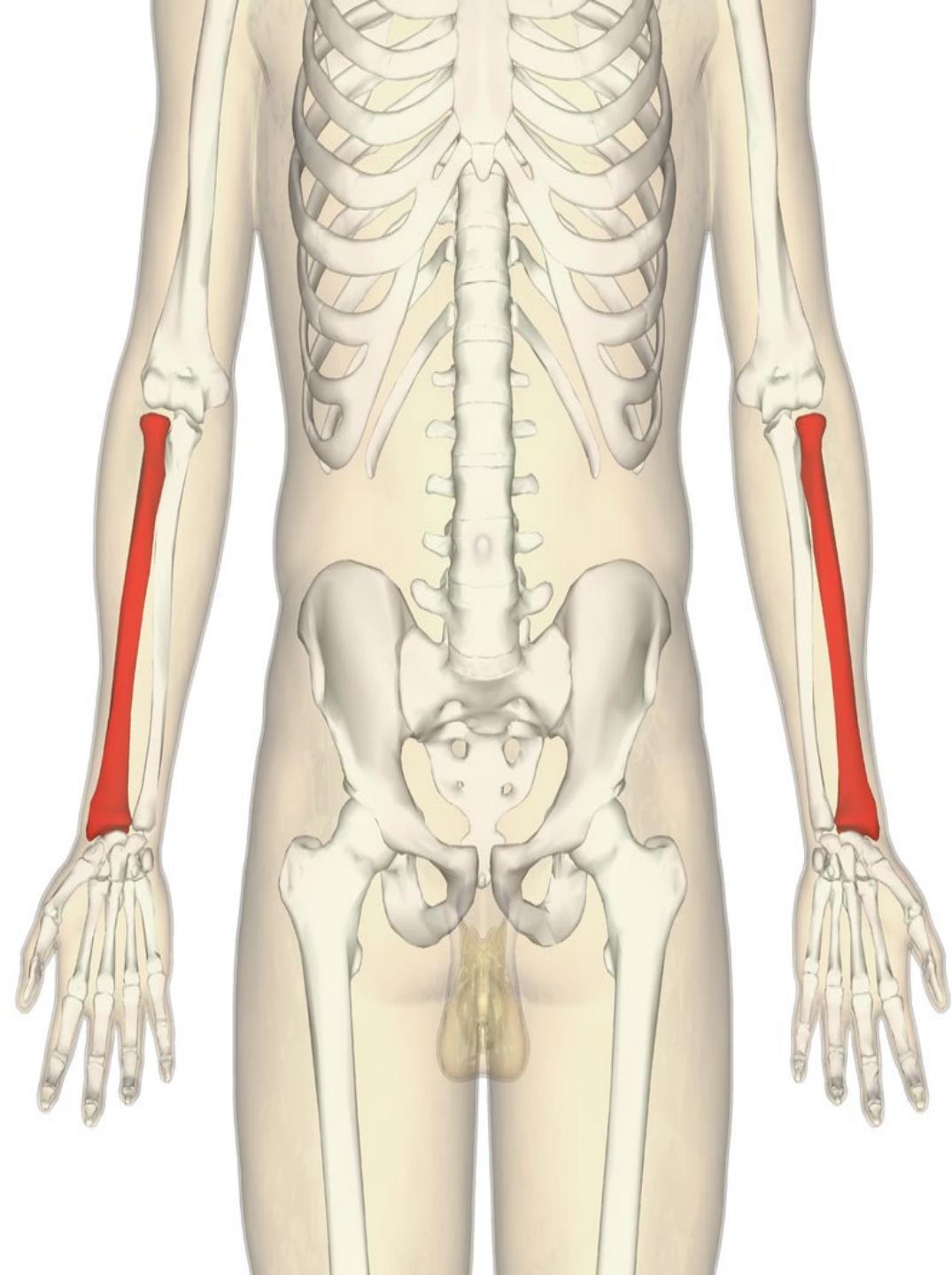




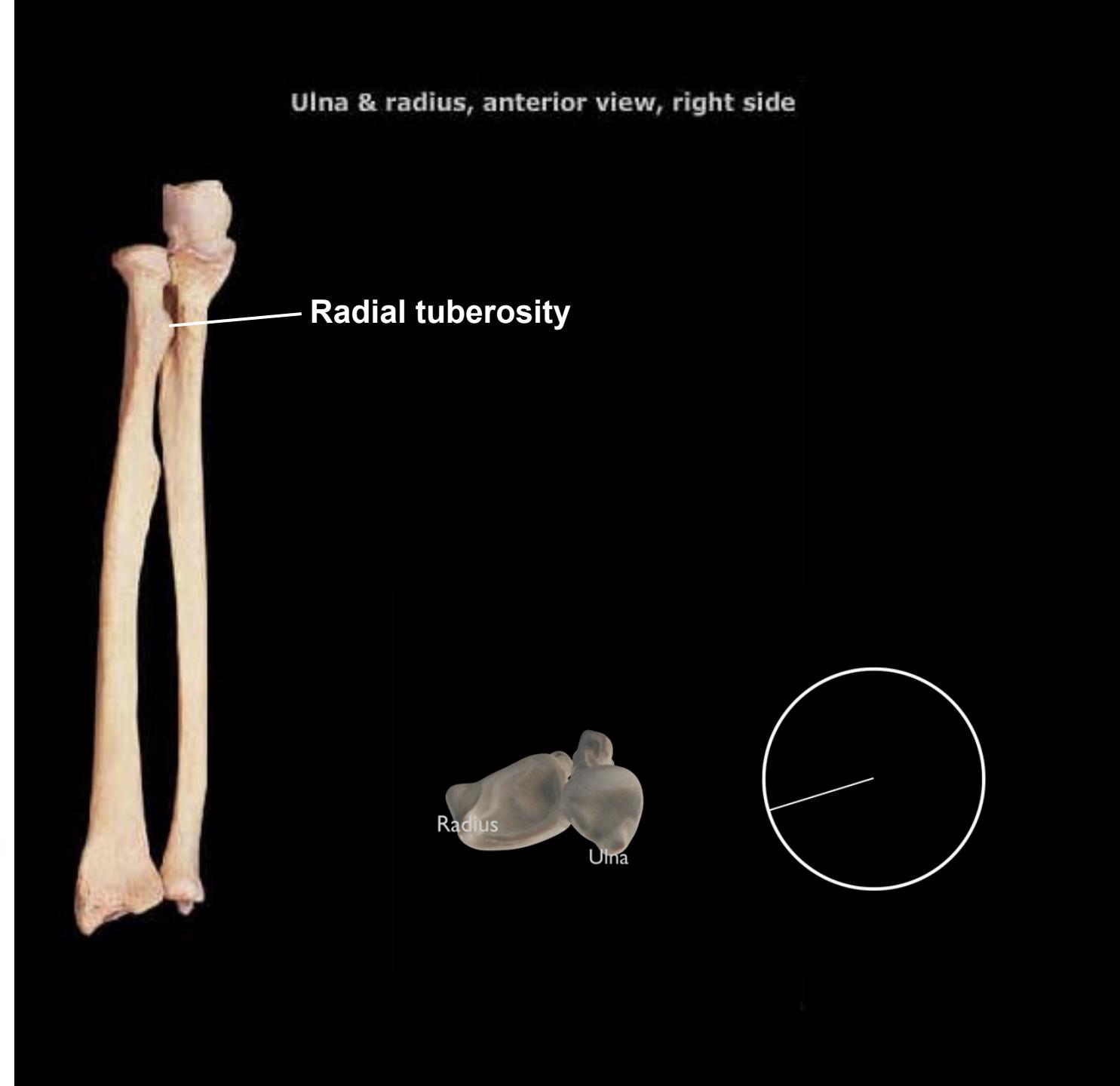


What these two bones named?





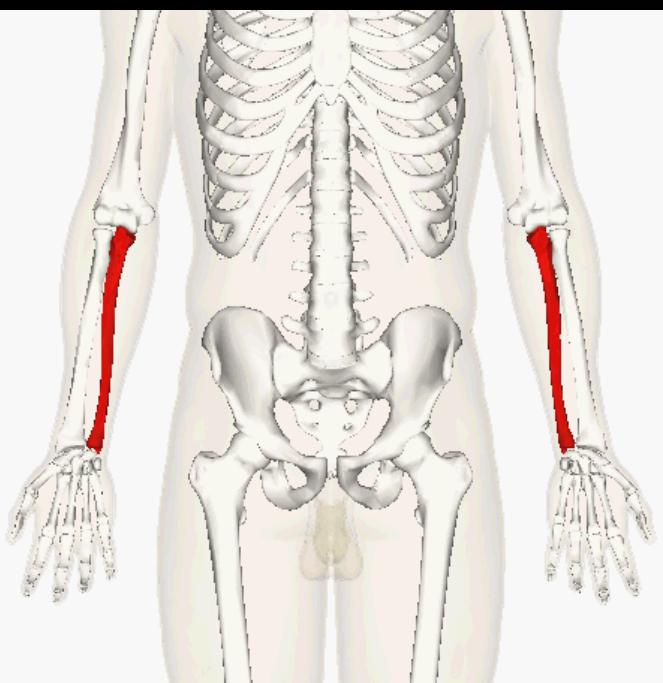
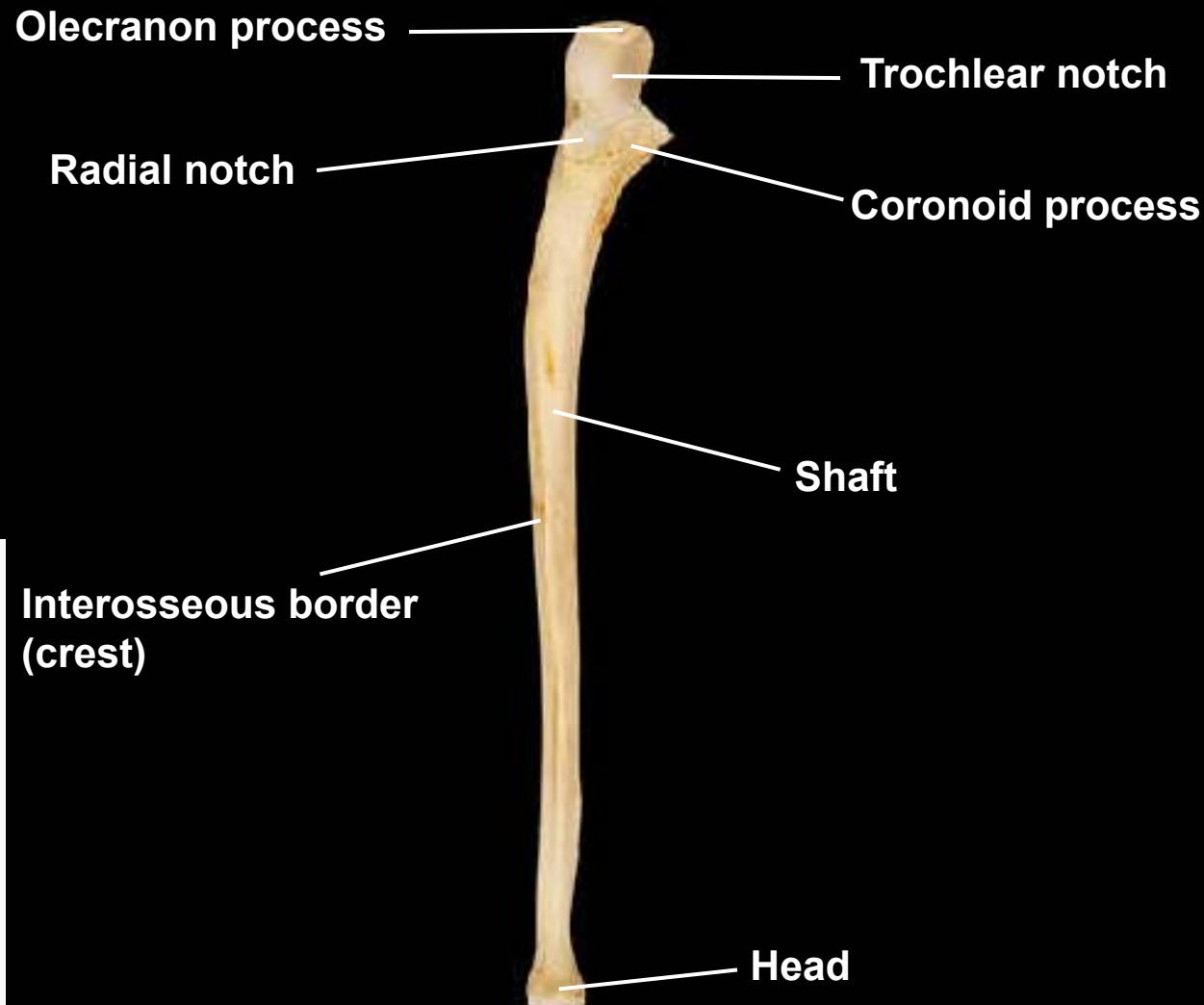
Ulna & radius, anterior view, right side



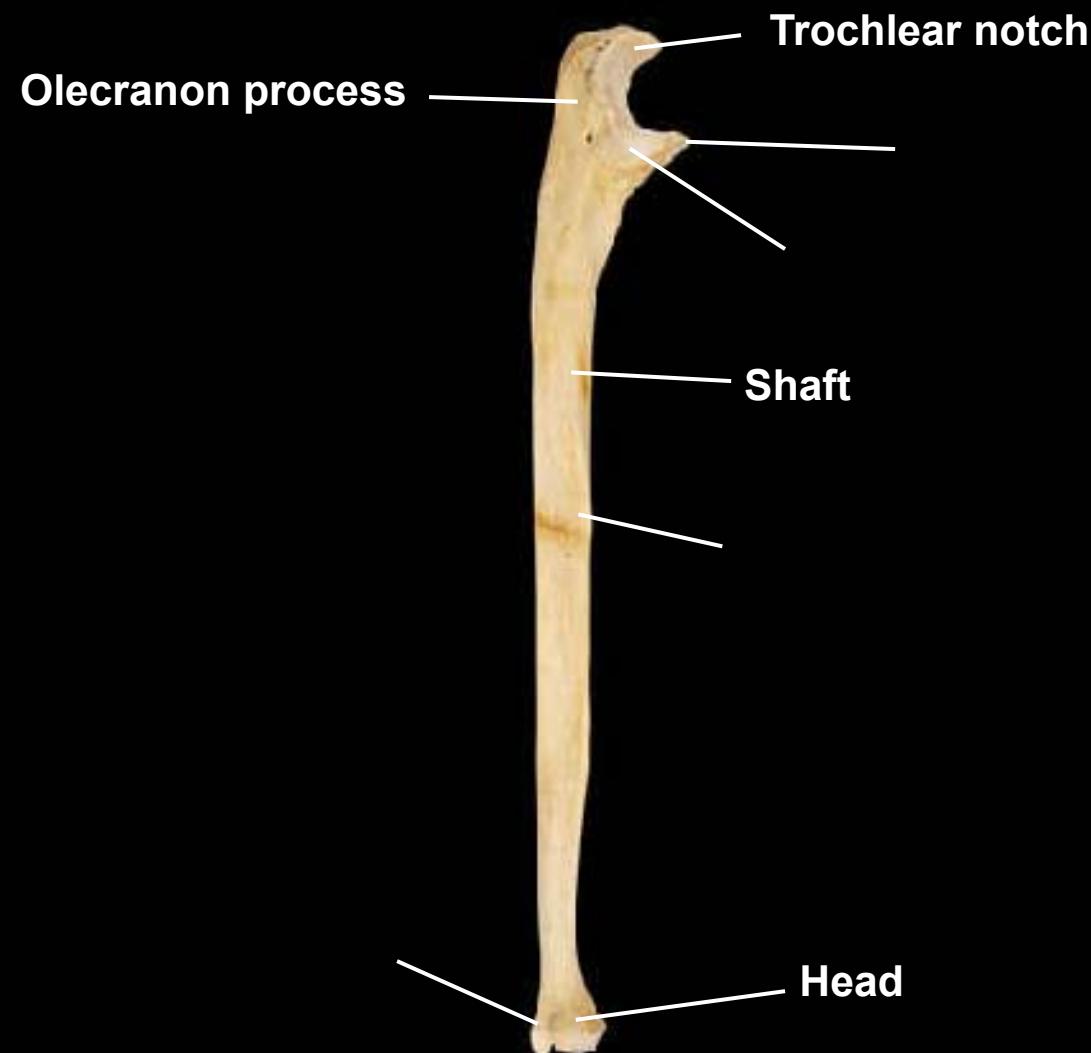
Ulna, anterior view, right side



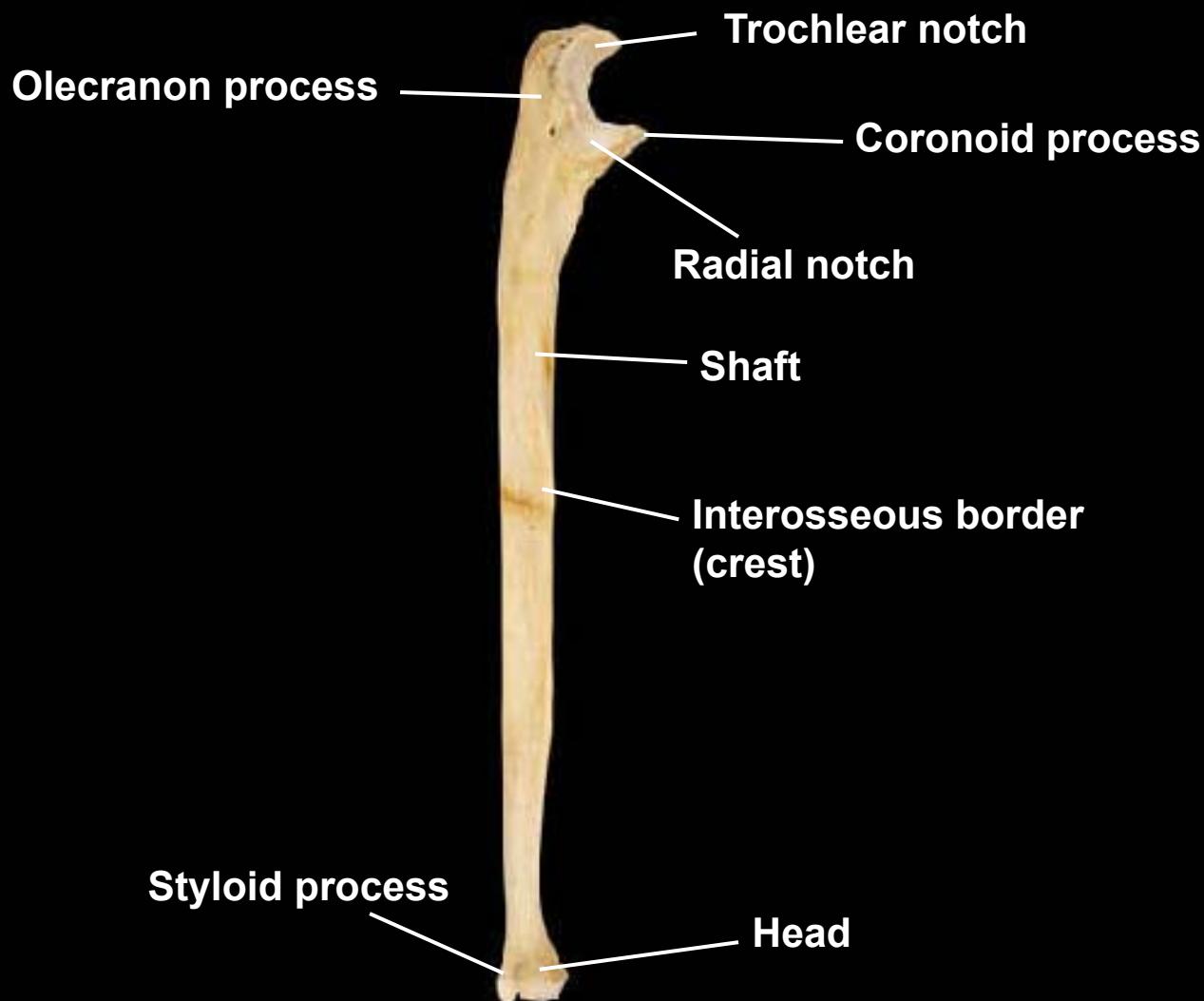
Ulna, anterior view, right side



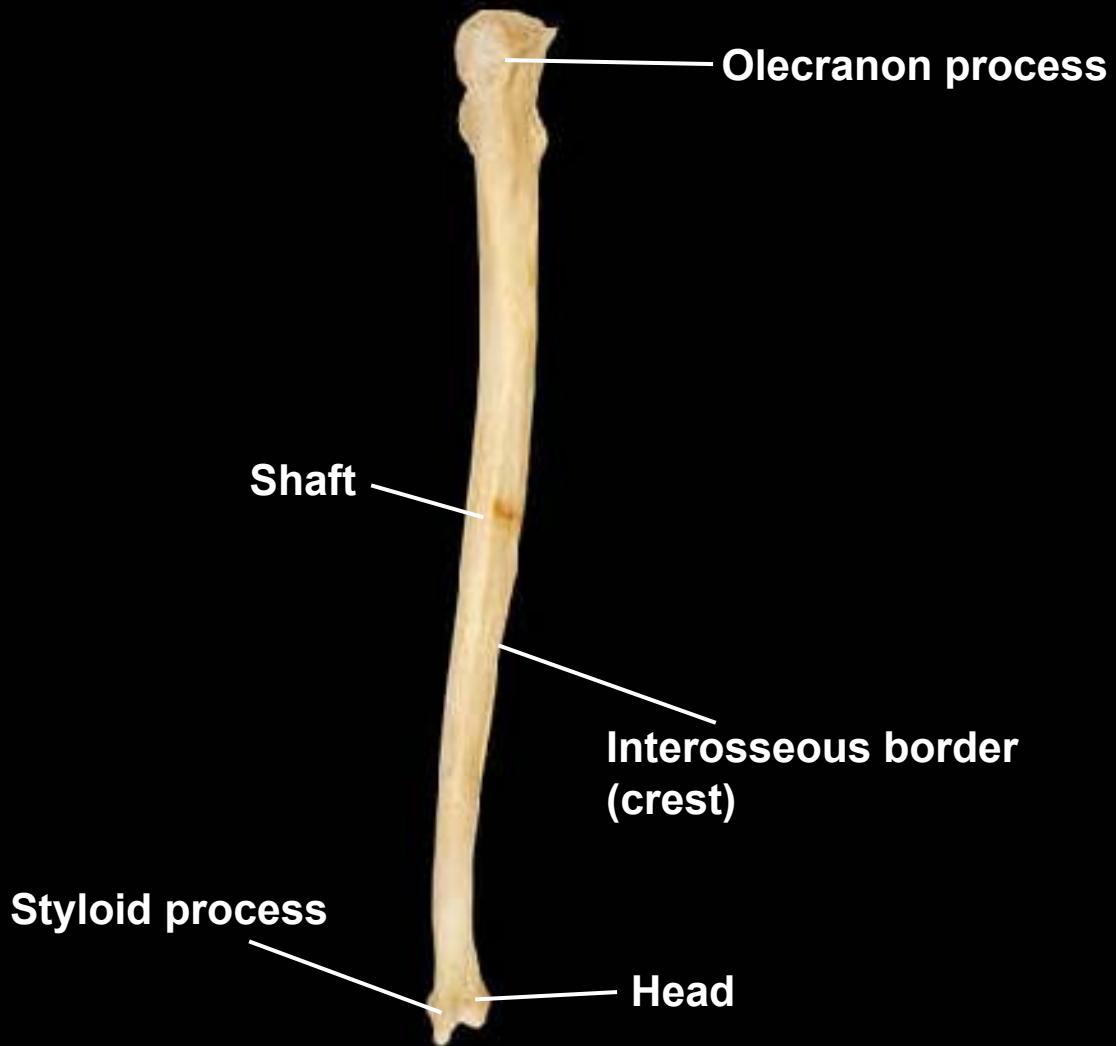
Ulna, lateral view, right side



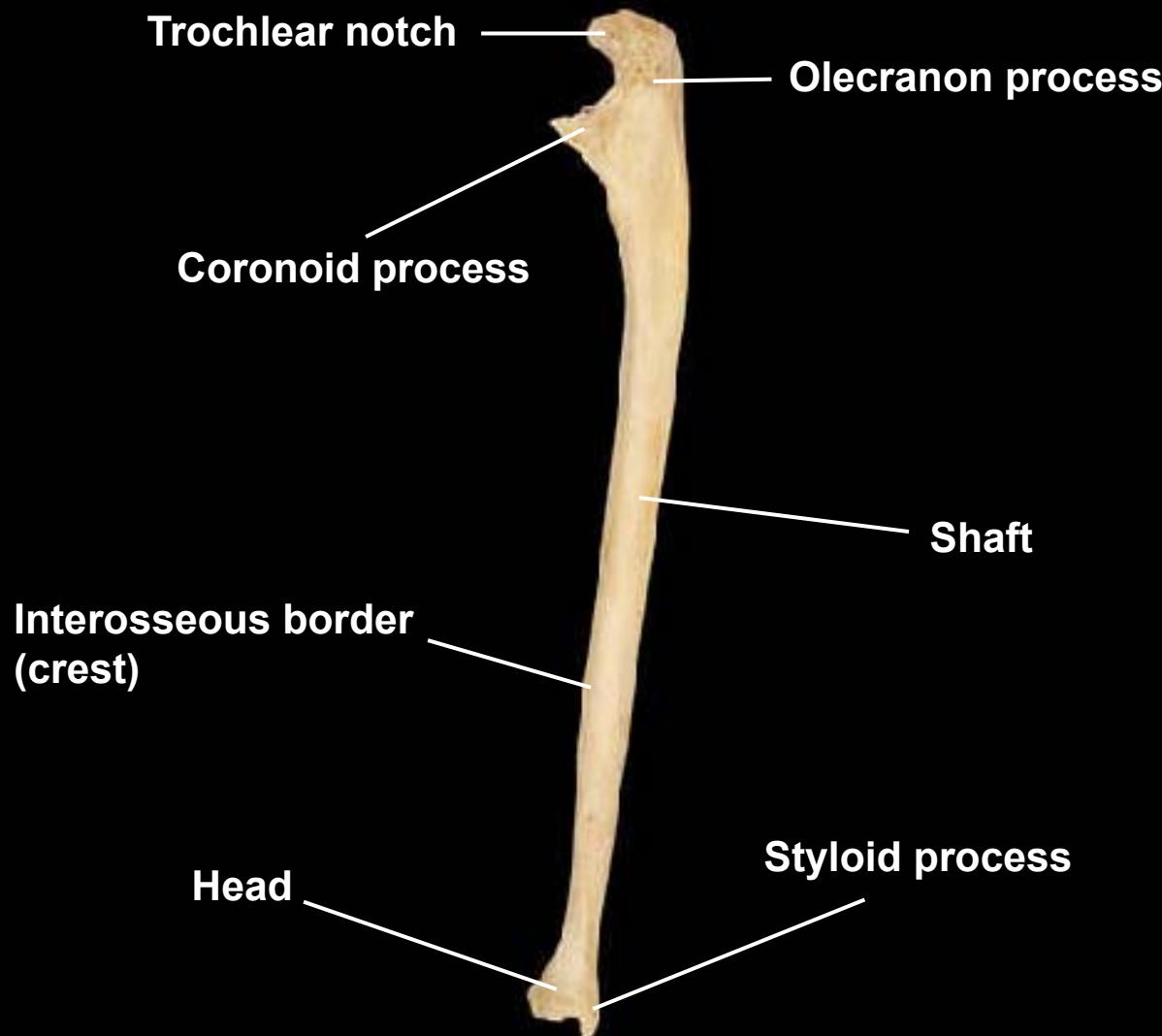
Ulna, lateral view, right side



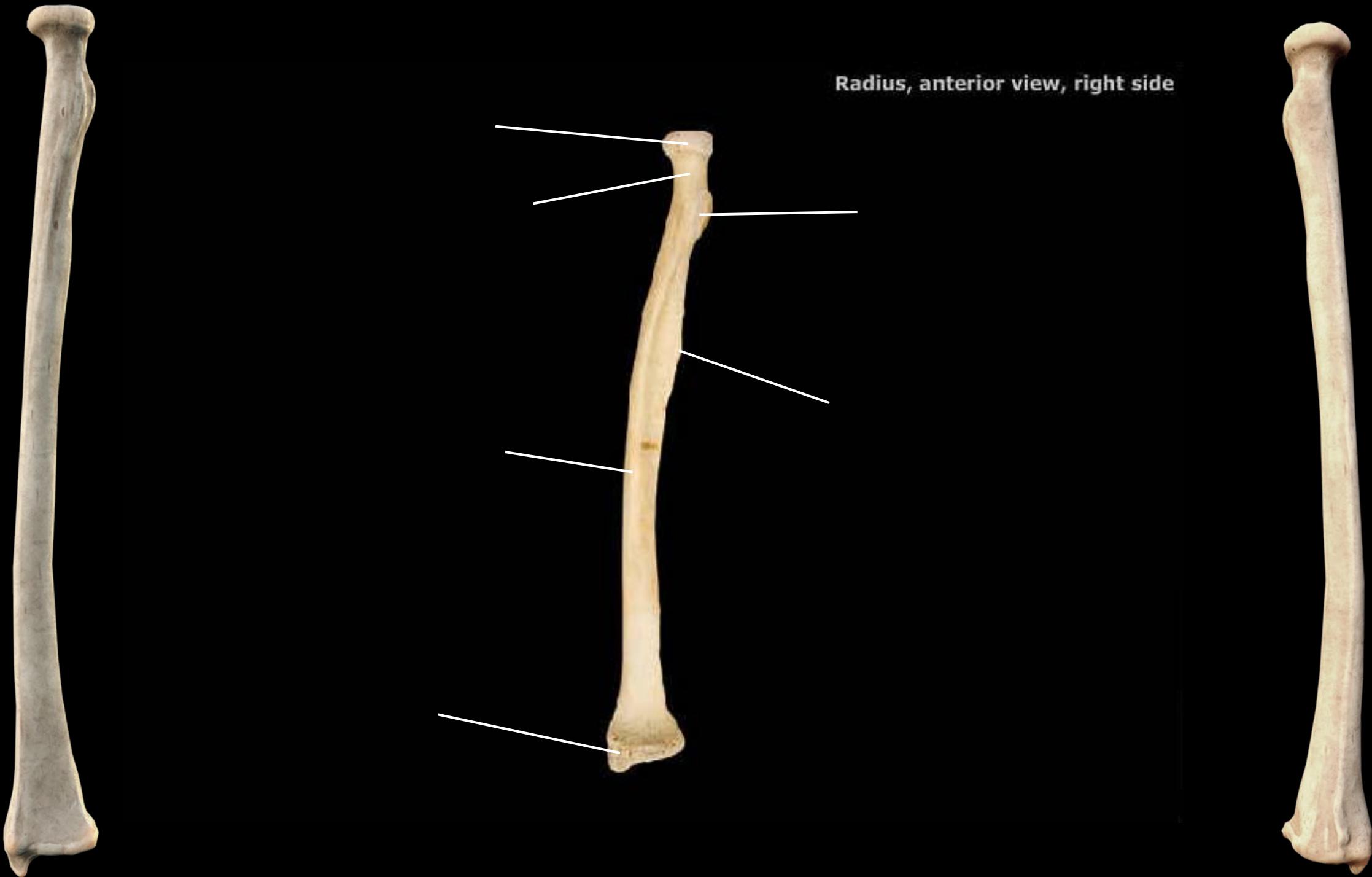
Ulna, posterior view, right side



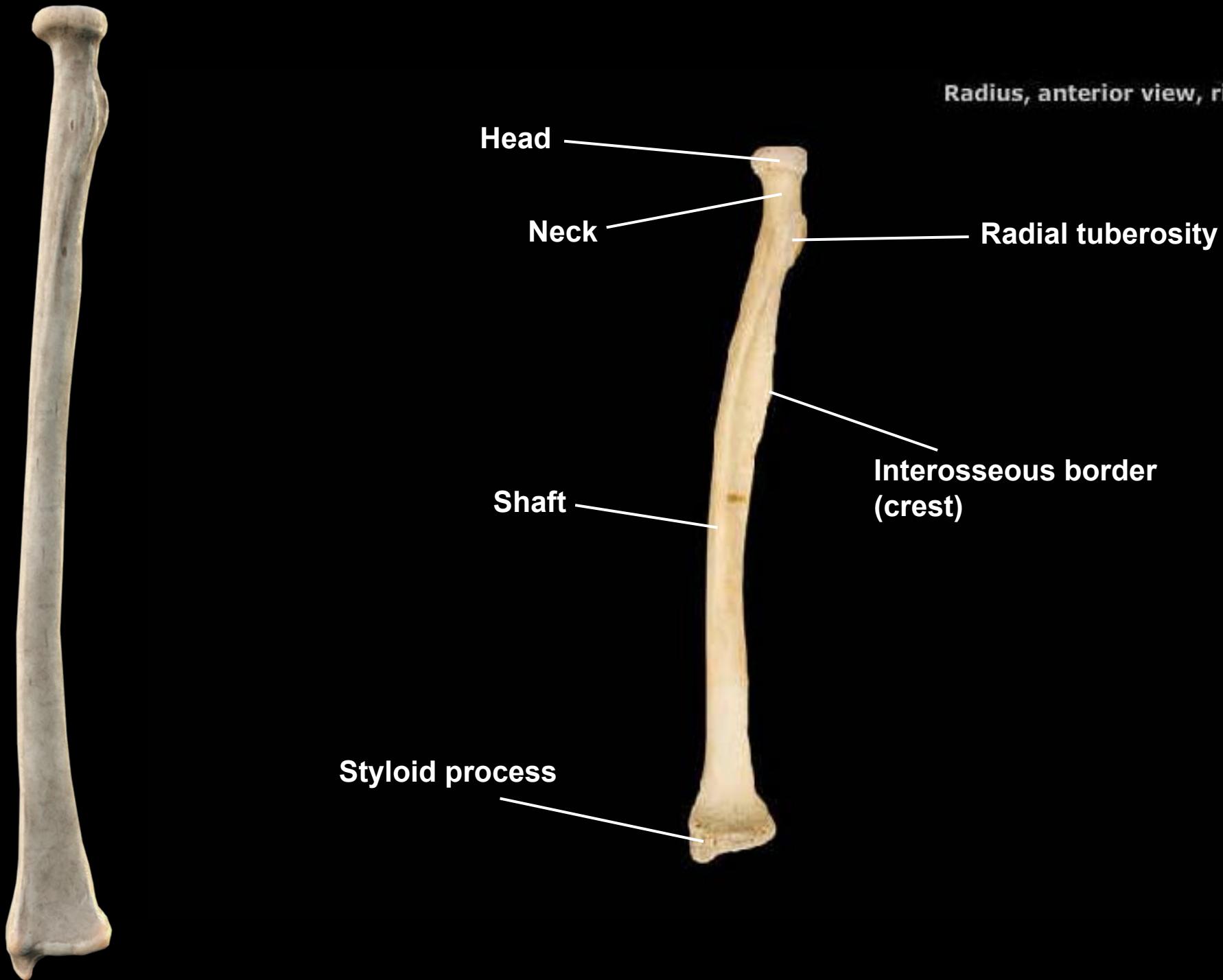
Ulna, medial view, right side



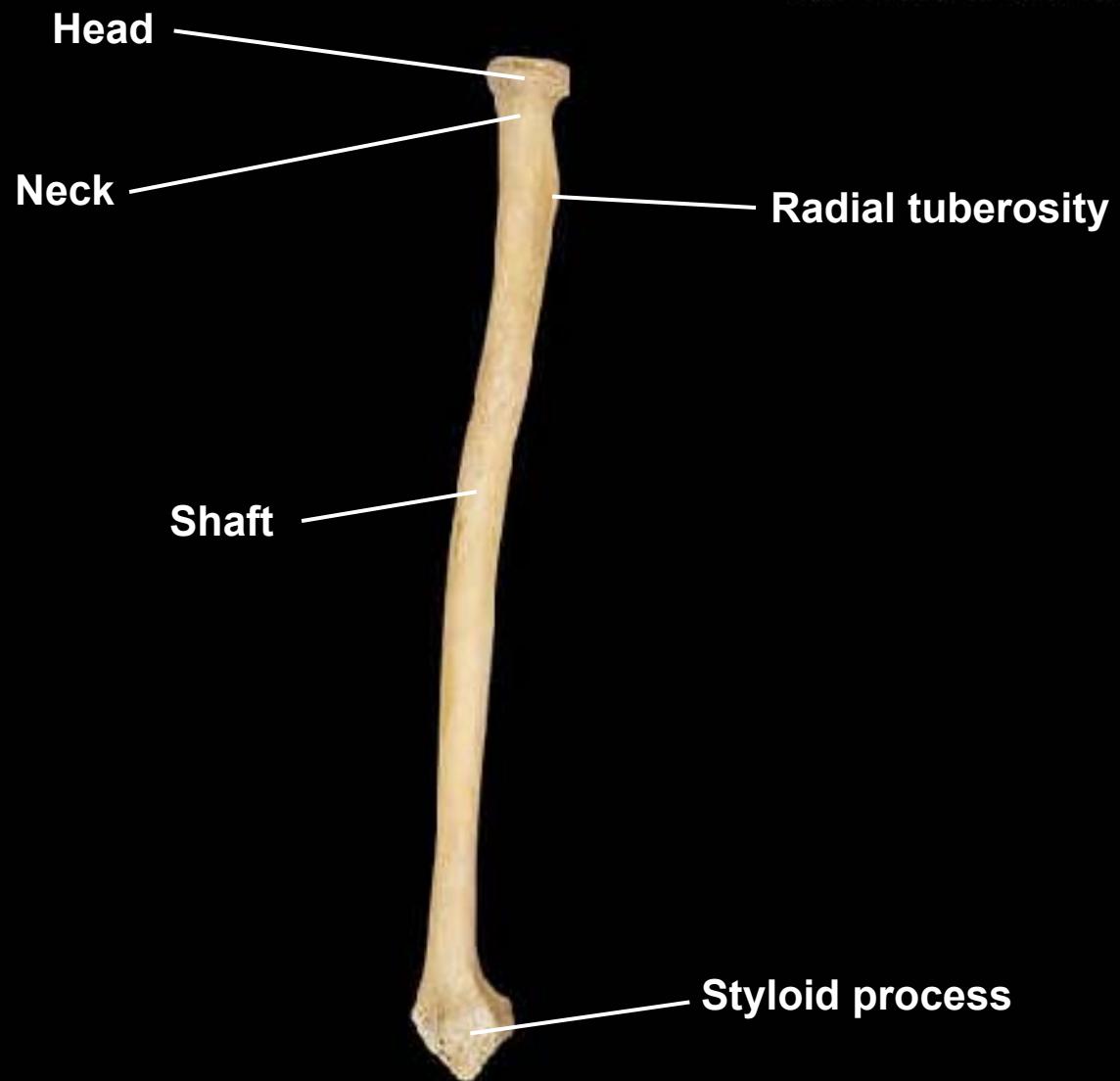
Radius, anterior view, right side

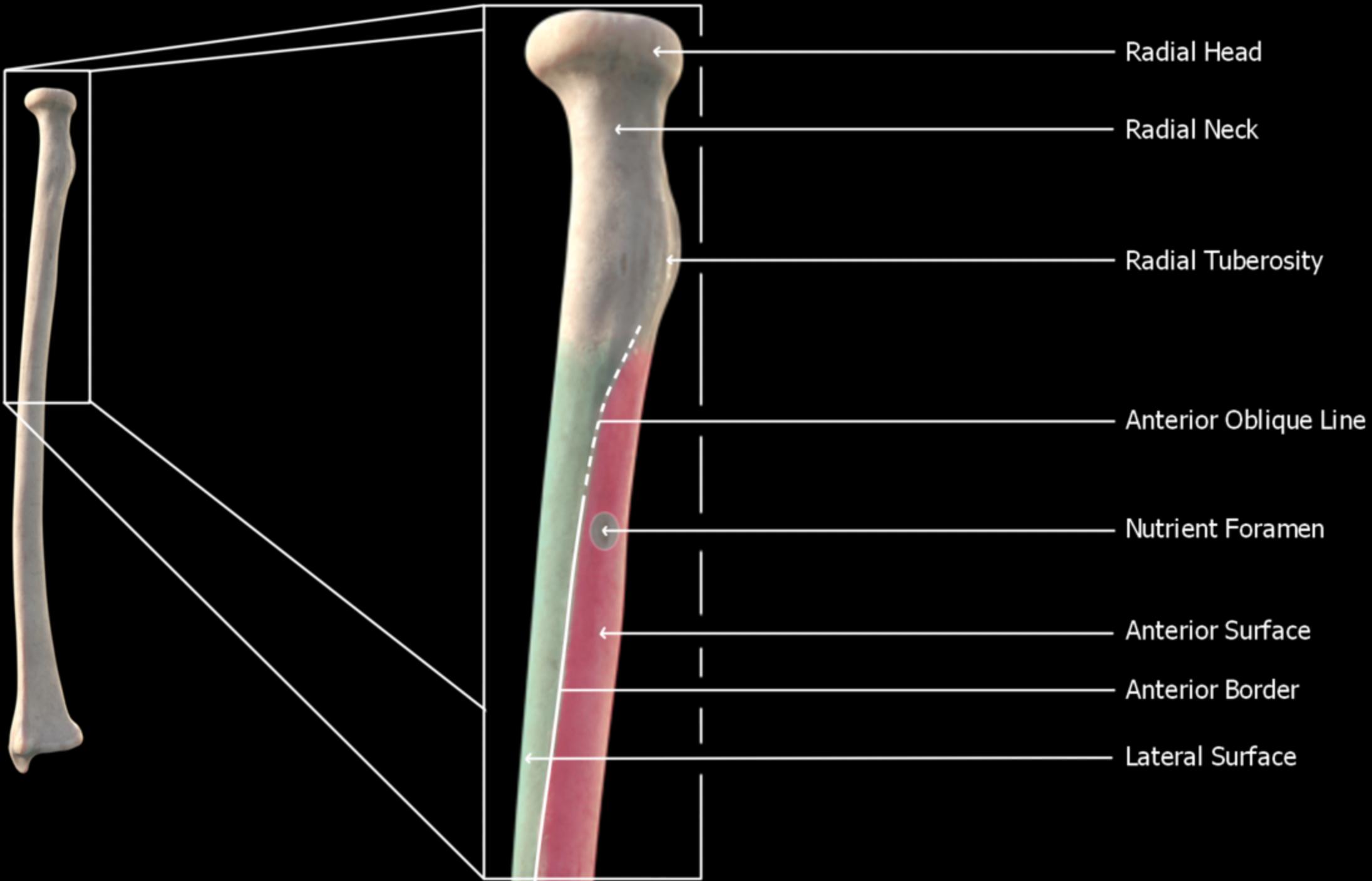


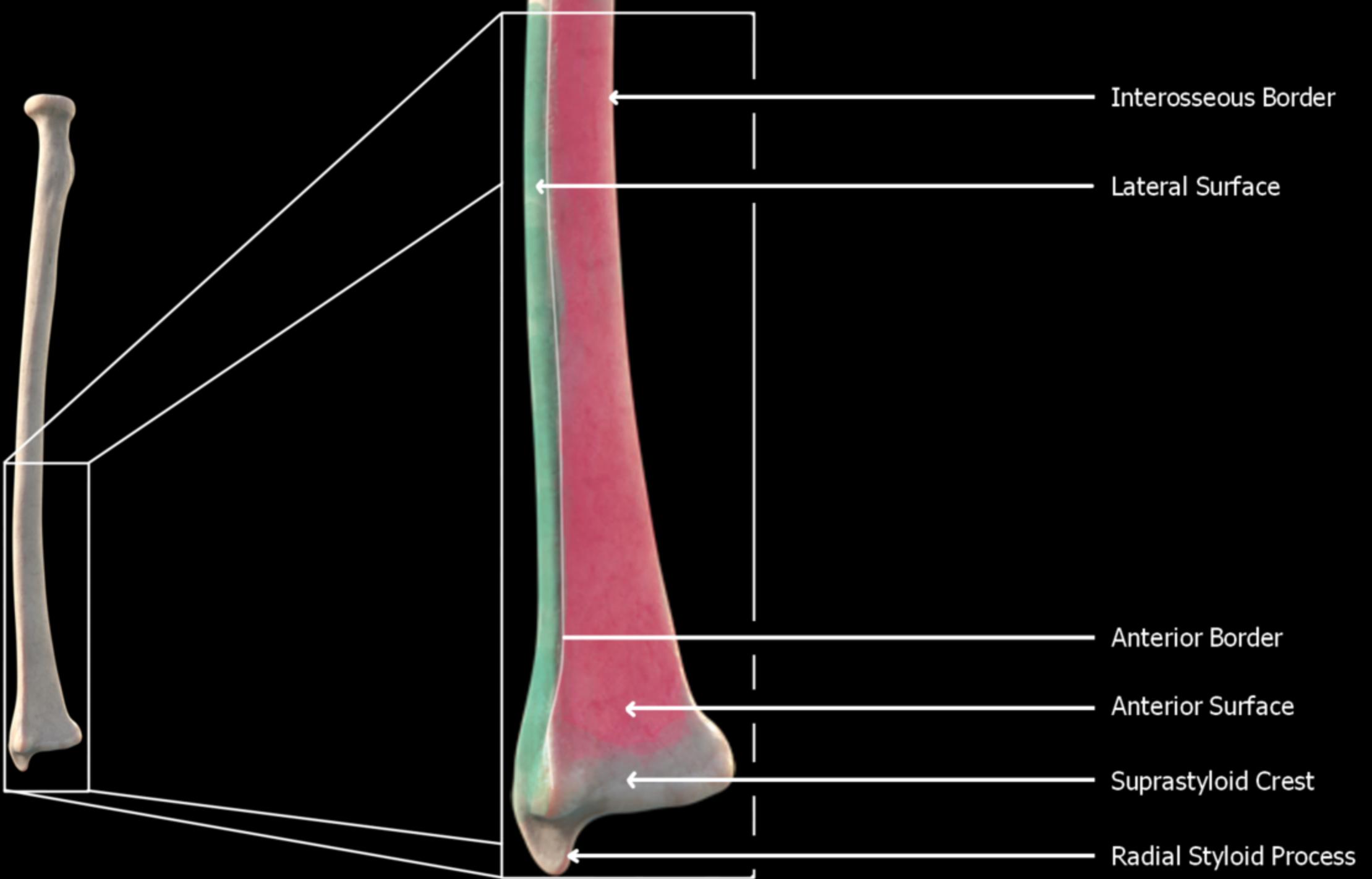
Radius, anterior view, right side



Radius, lateral view, right side

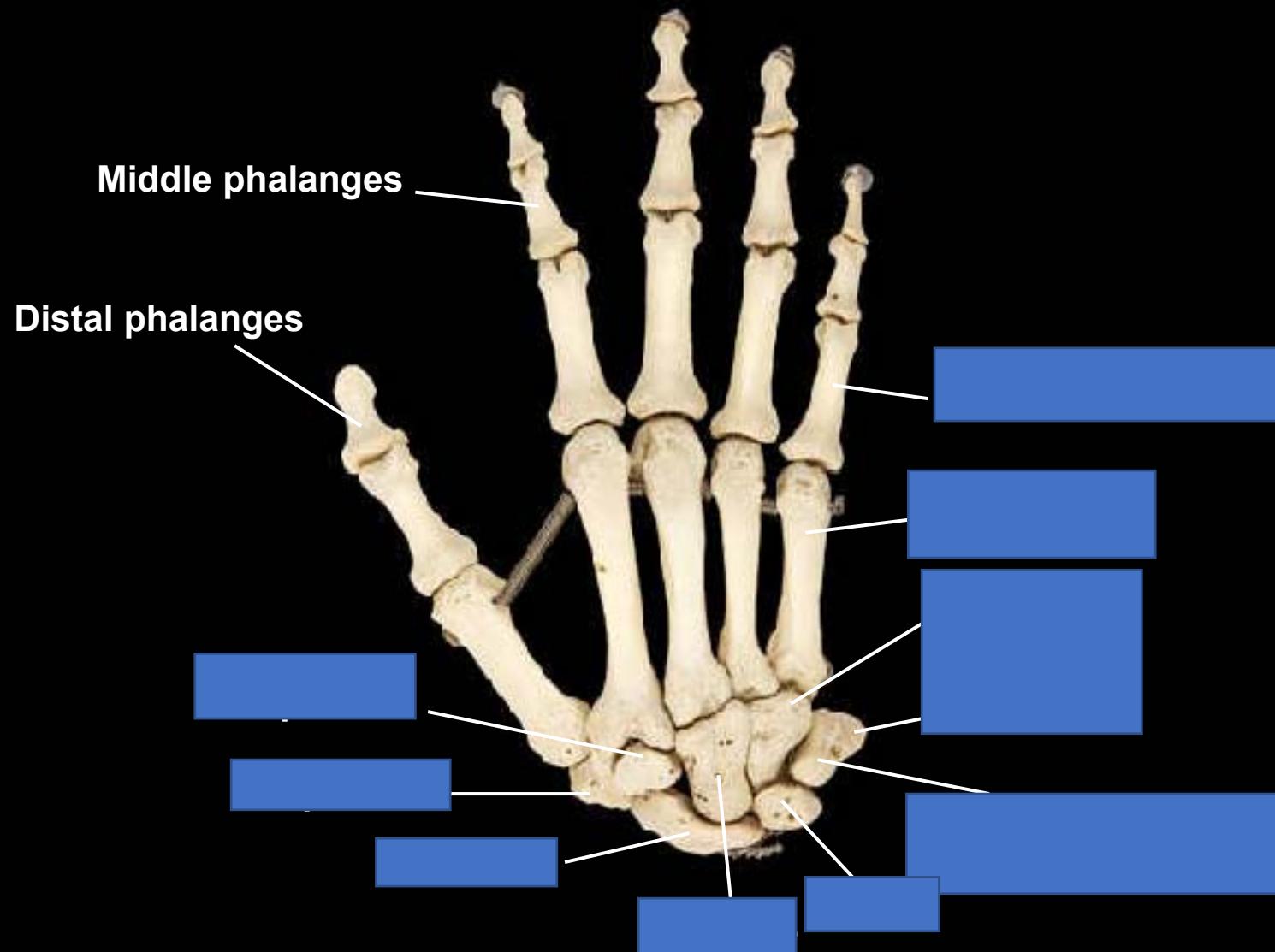




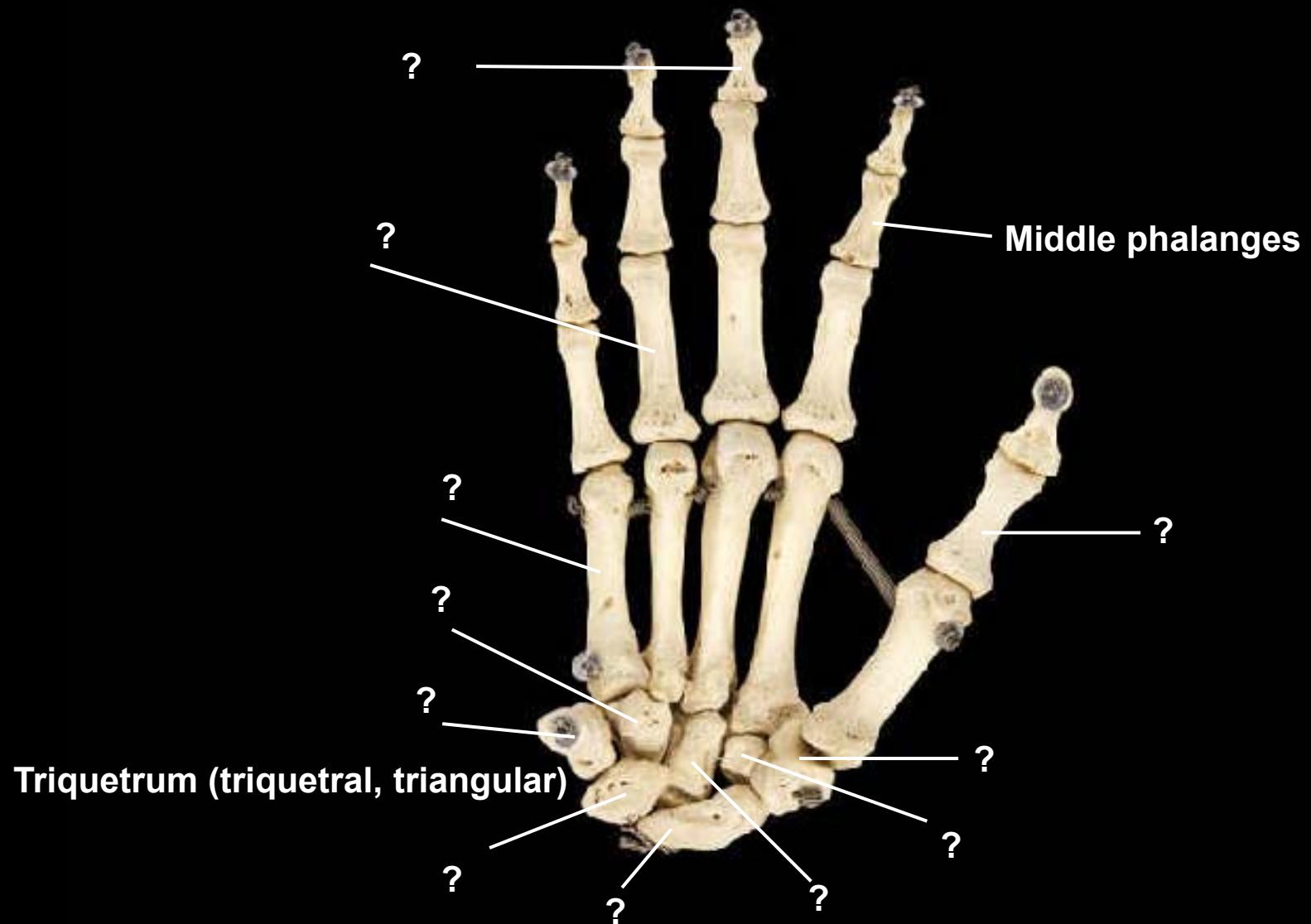


The Hand

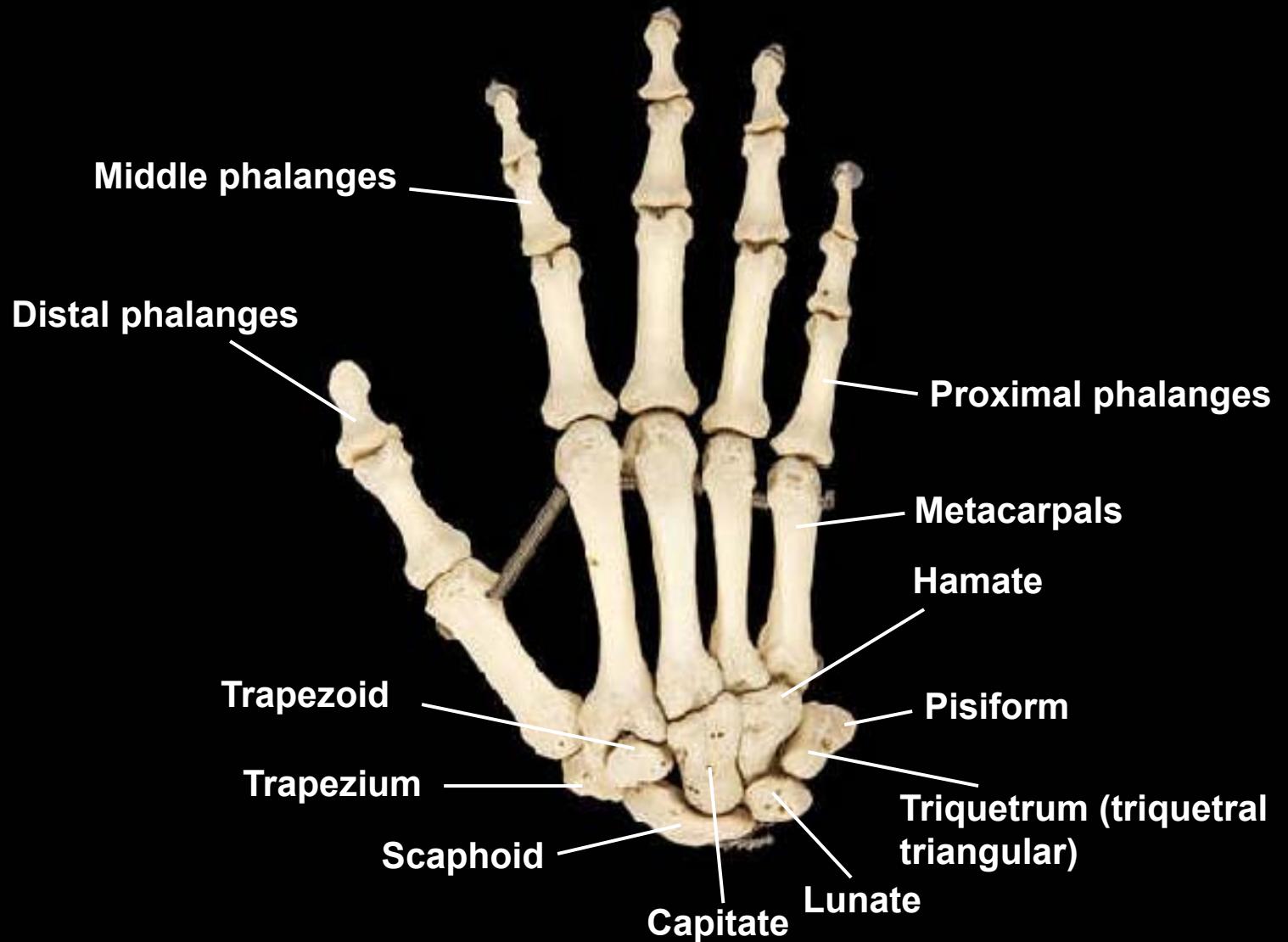
Bones of the hand, posterior view, right side



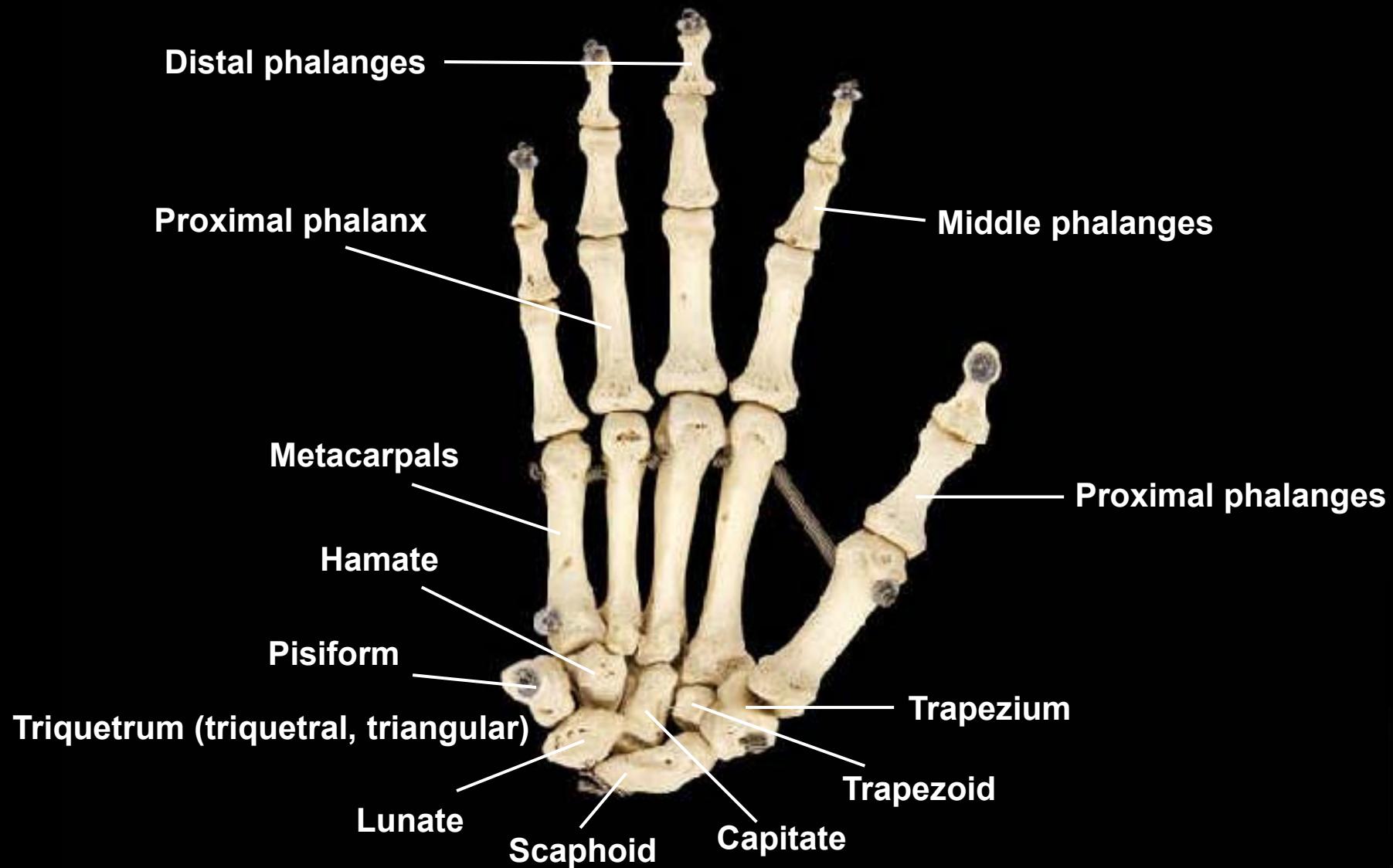
Bones of the hand, anterior view, right side



Bones of the hand, posterior view, right side



Bones of the hand, anterior view, right side



Hand, posterior view, right side



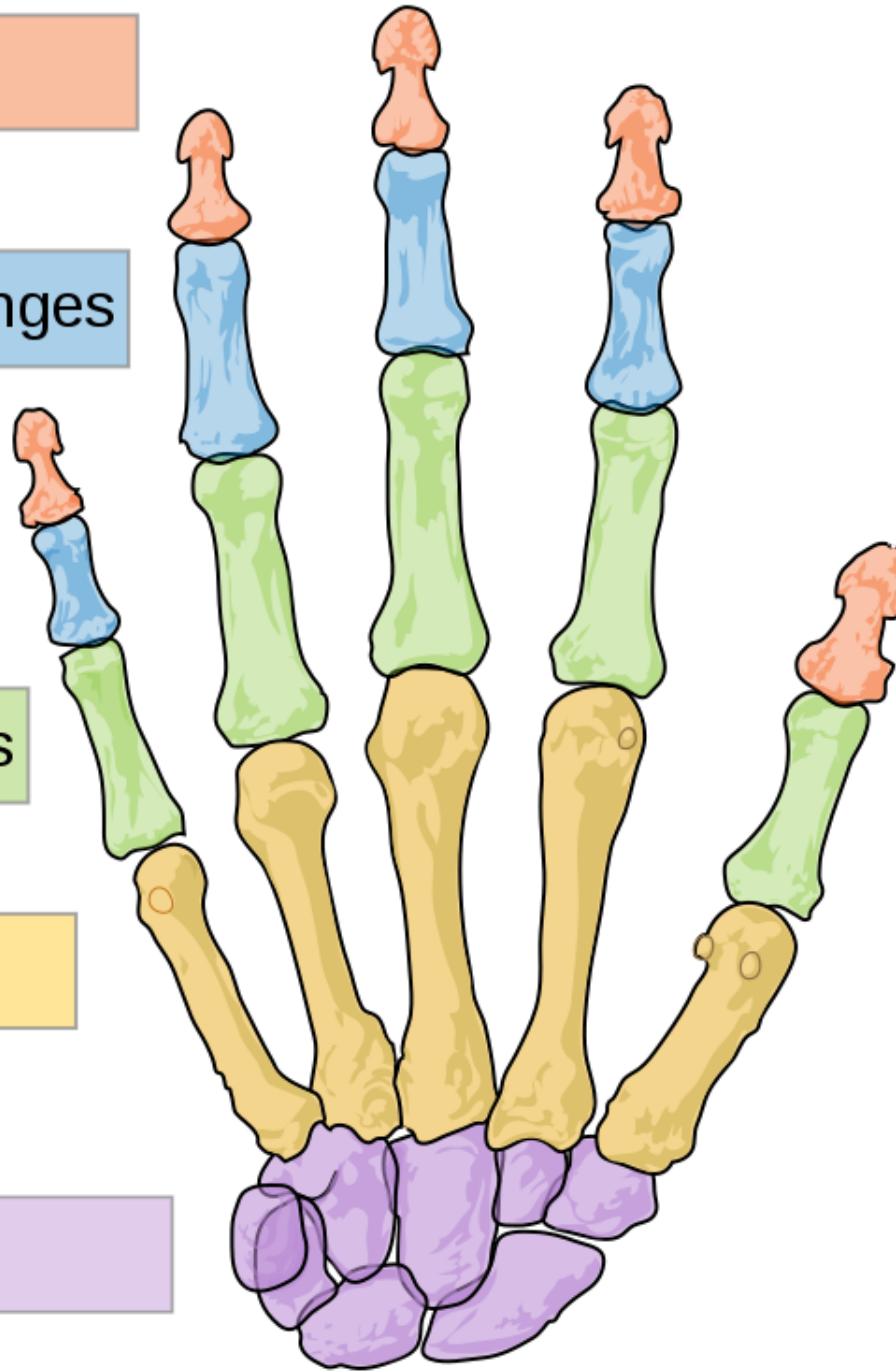
Distal phalanges

Intermediate phalanges

Proximal phalanges

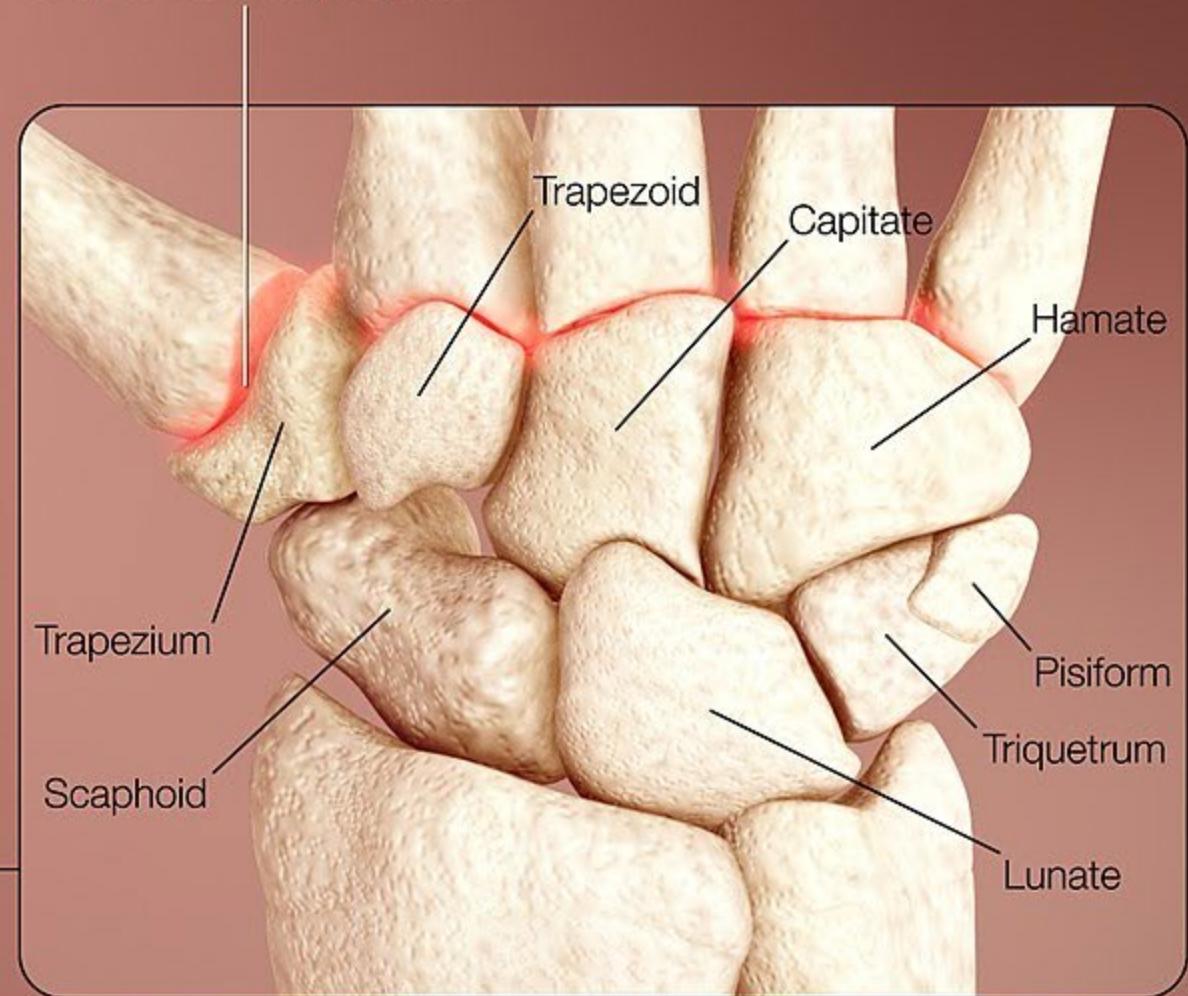
Metacarpals

Carpals





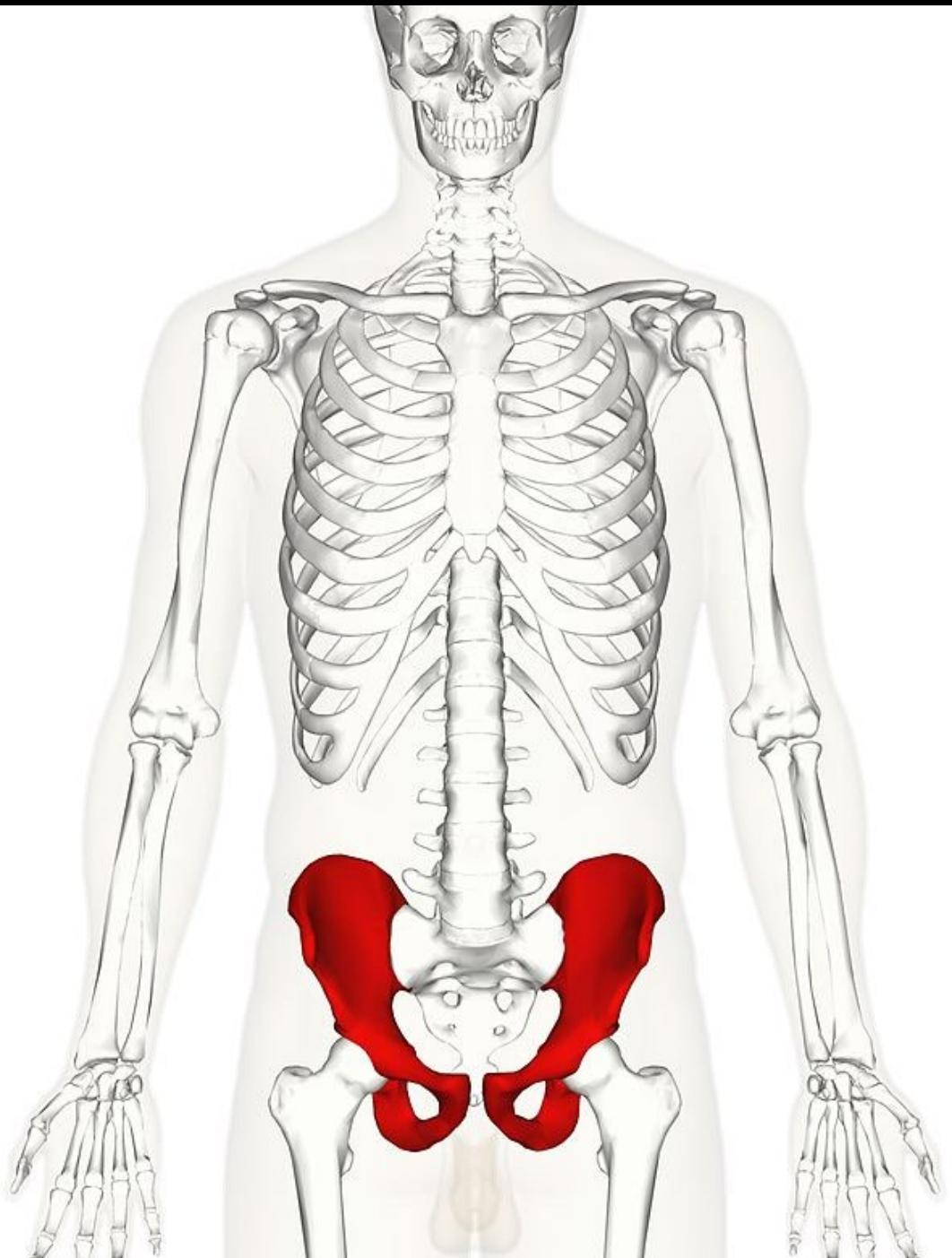
Carpometacarpal joint



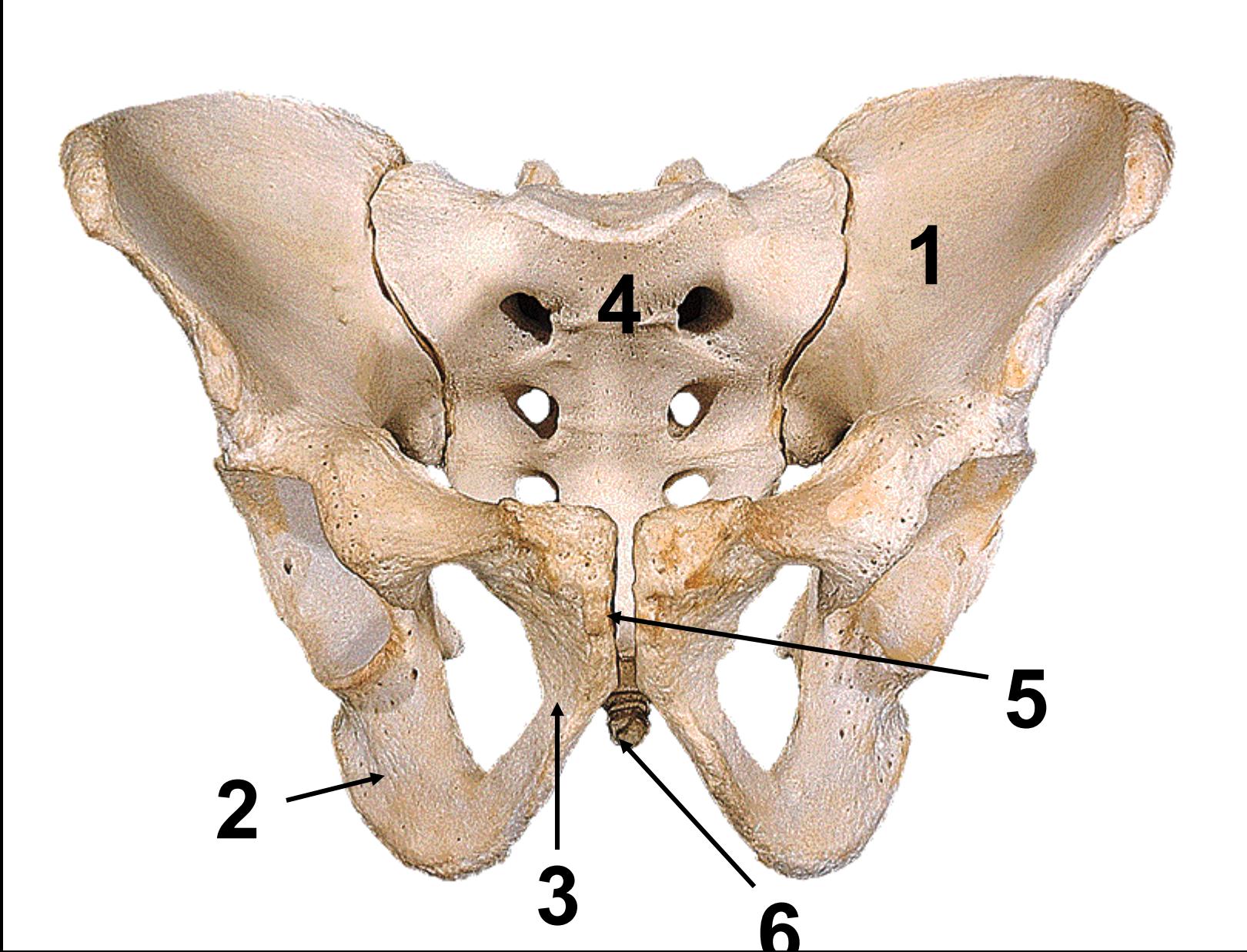
R

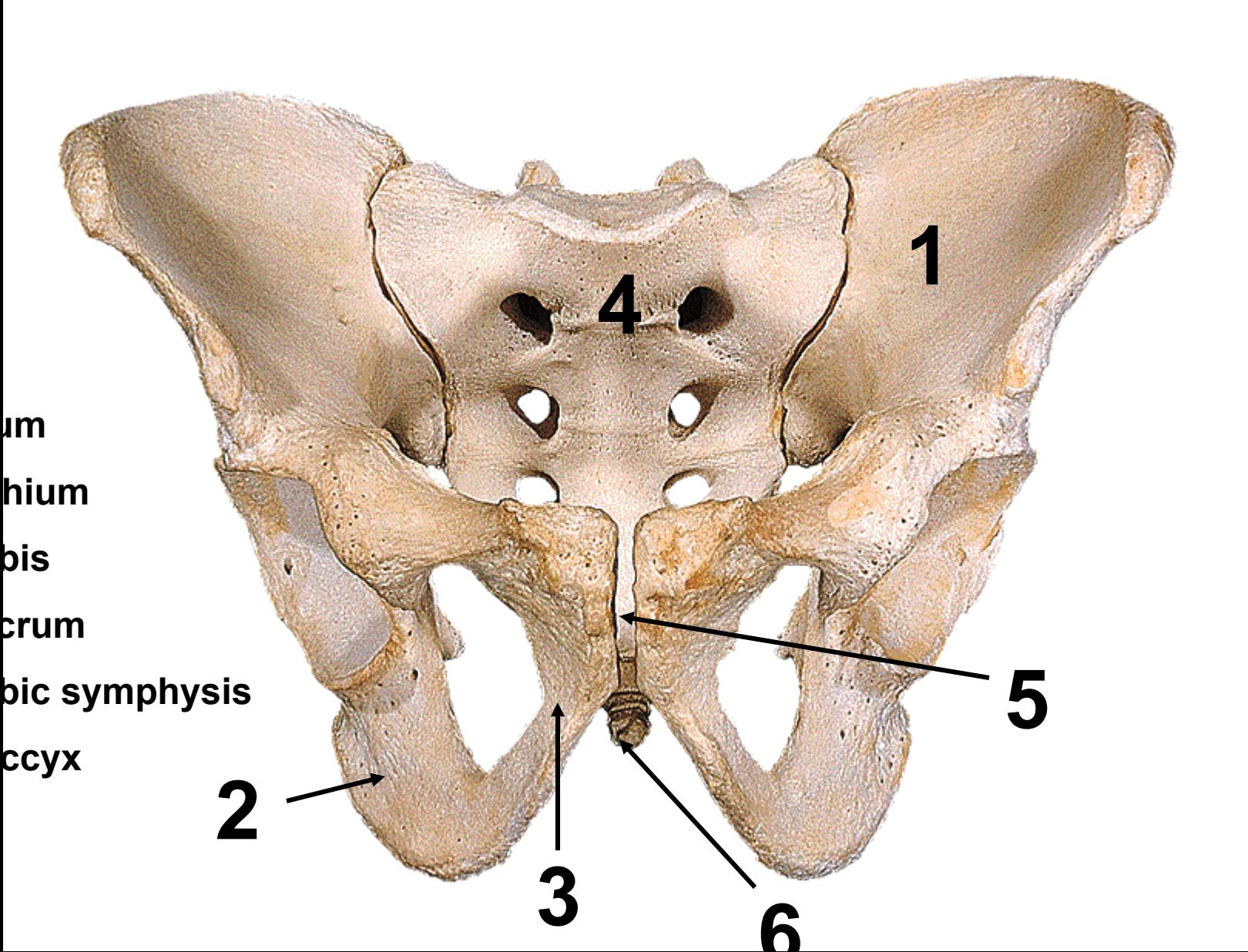




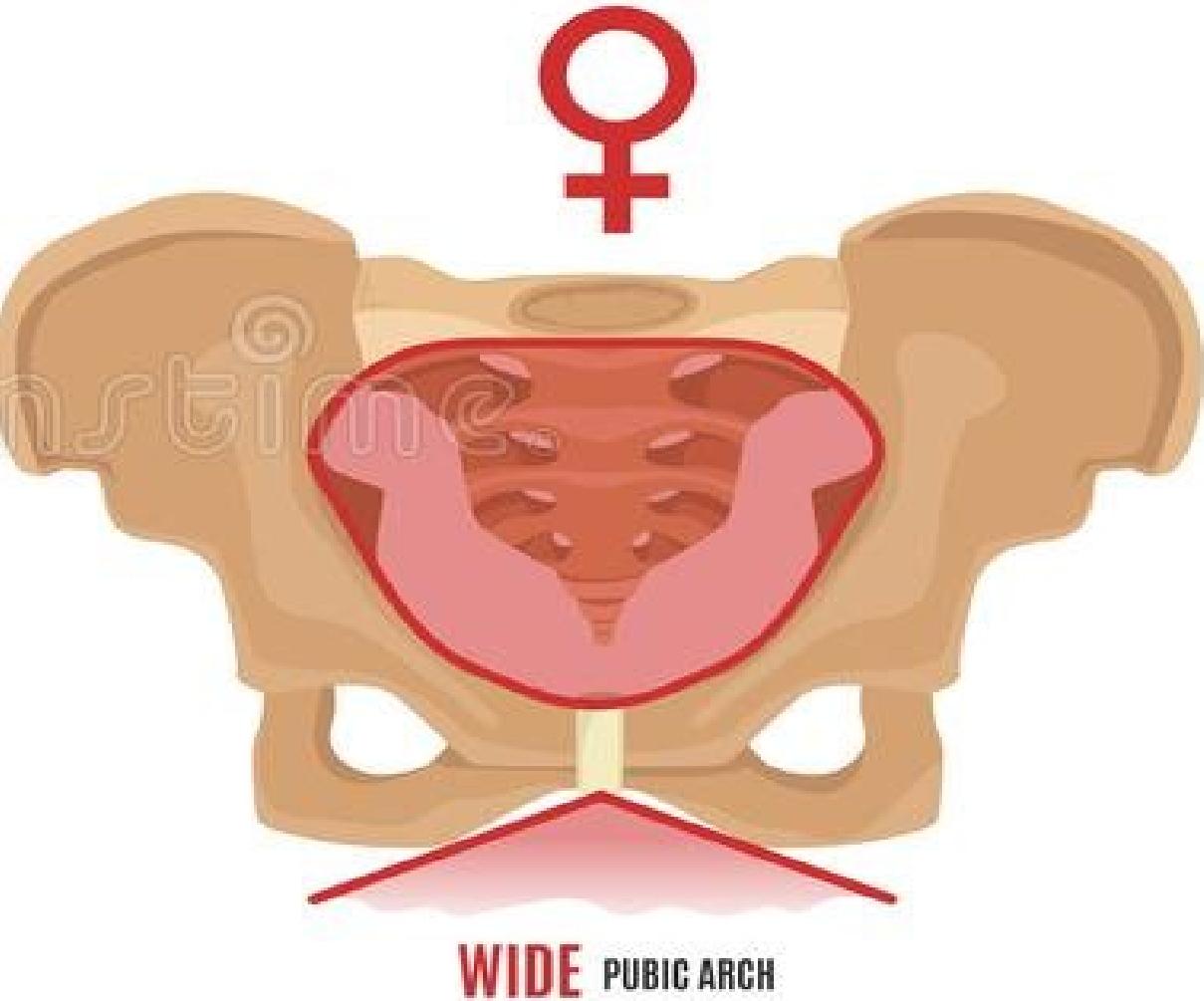


The Hips bones





Male Vs Female Pelvis



Hip bone, lateral view, right side

Posterior superior iliac spine

Posterior inferior iliac spine

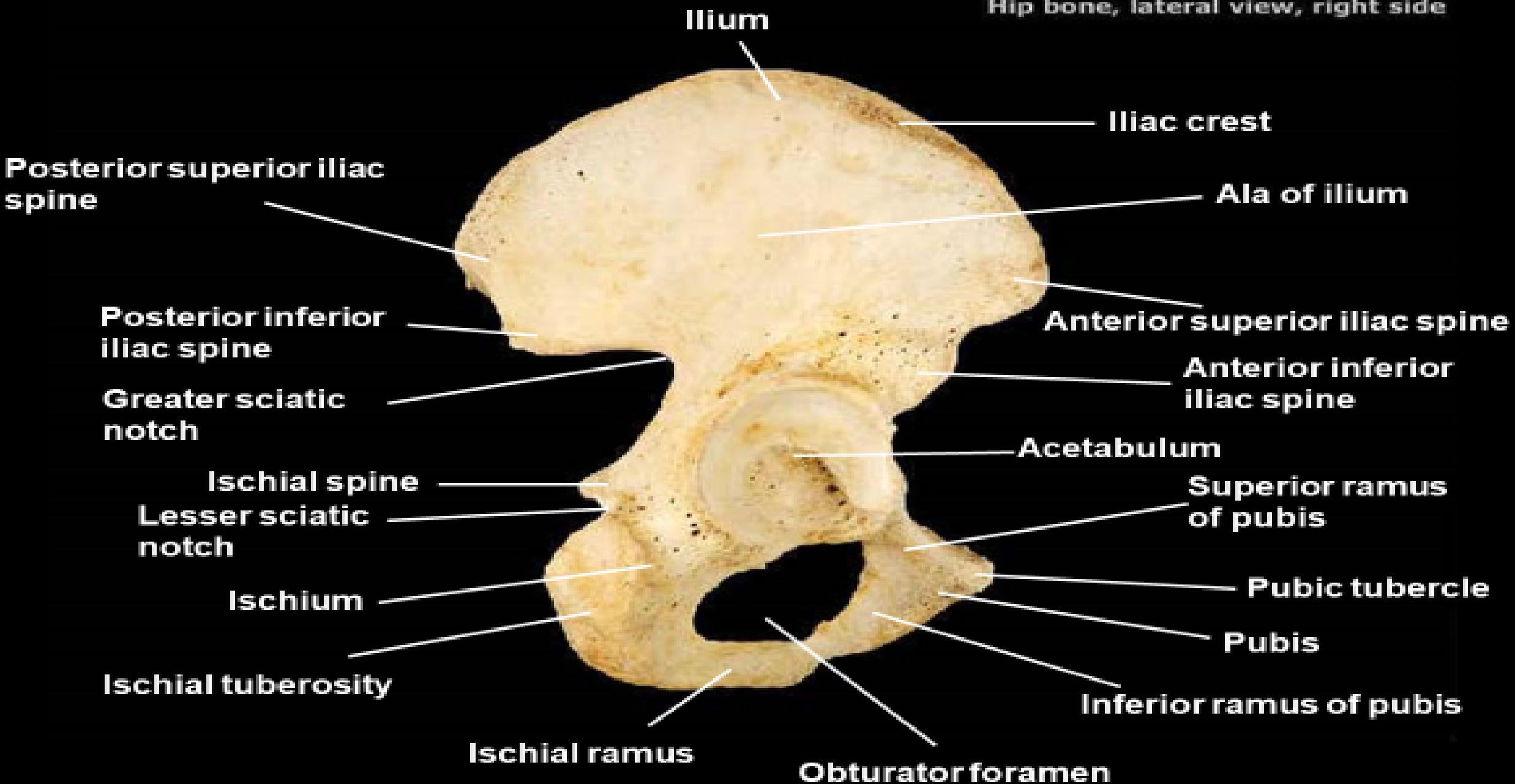
Ischial spine
Lesser sciatic notch

Ischial tuberosity

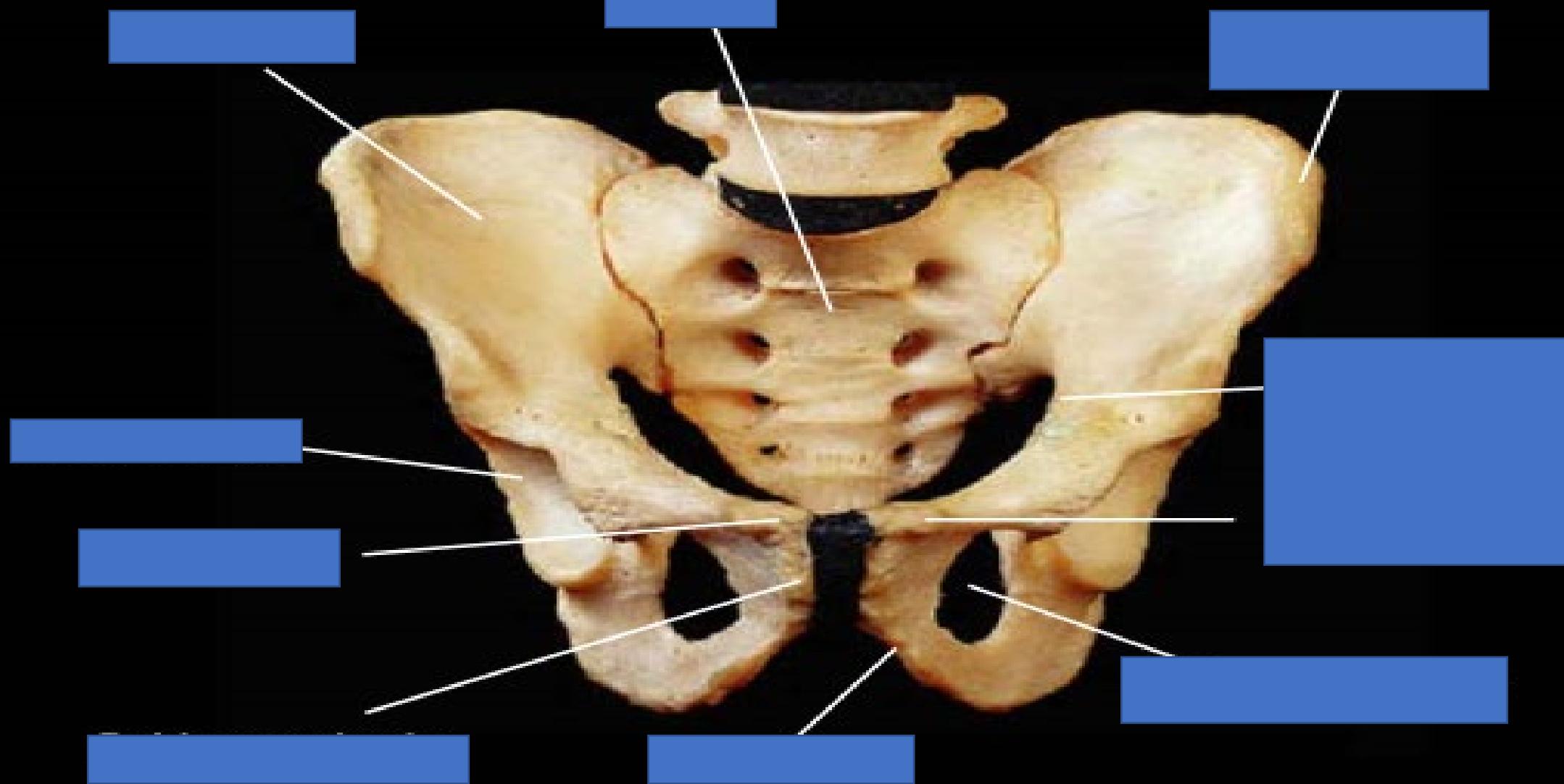
Anterior superior iliac spine
Anterior inferior iliac spine

Inferior ramus of pubis

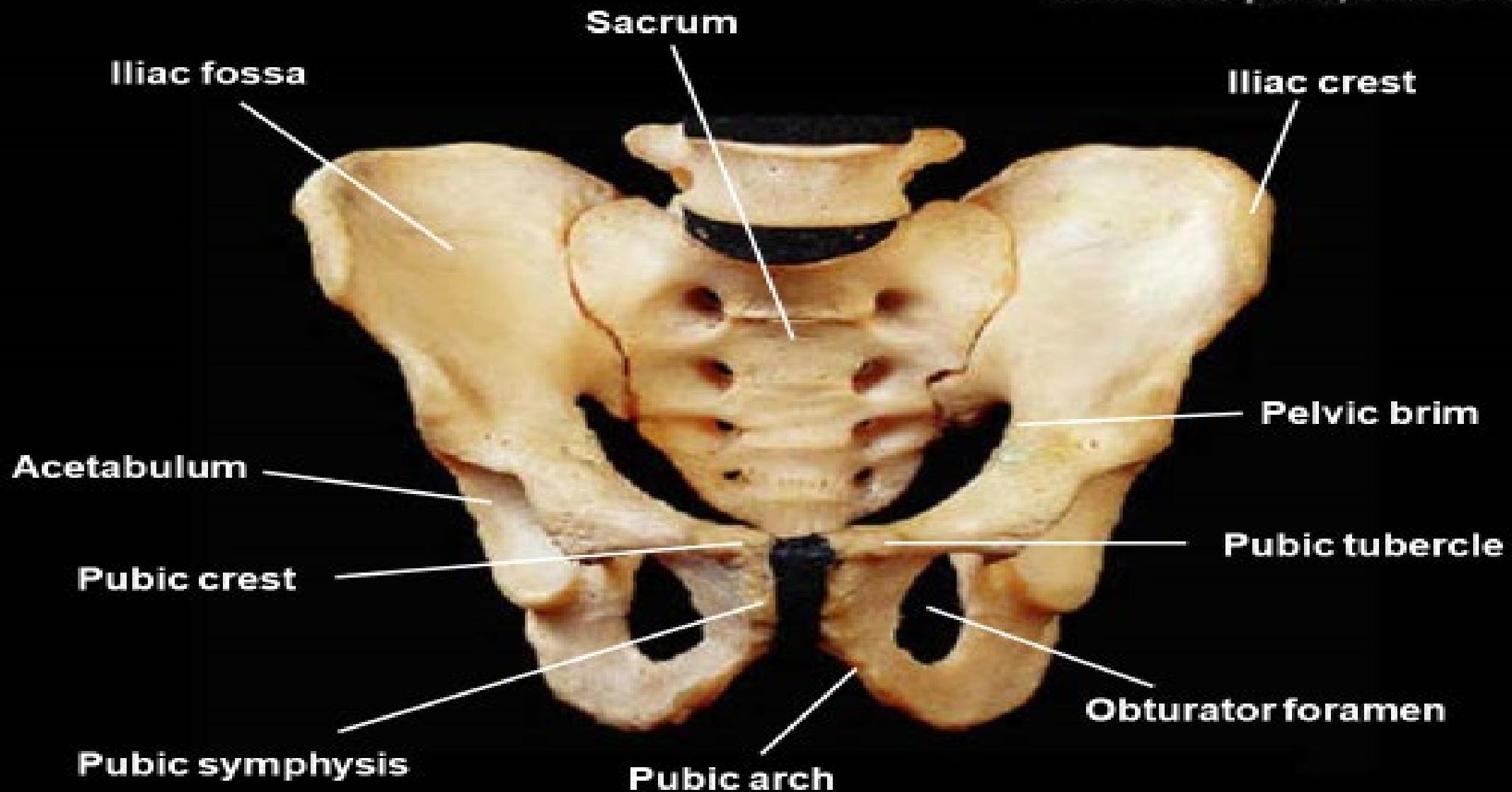
Hip bone, lateral view, right side

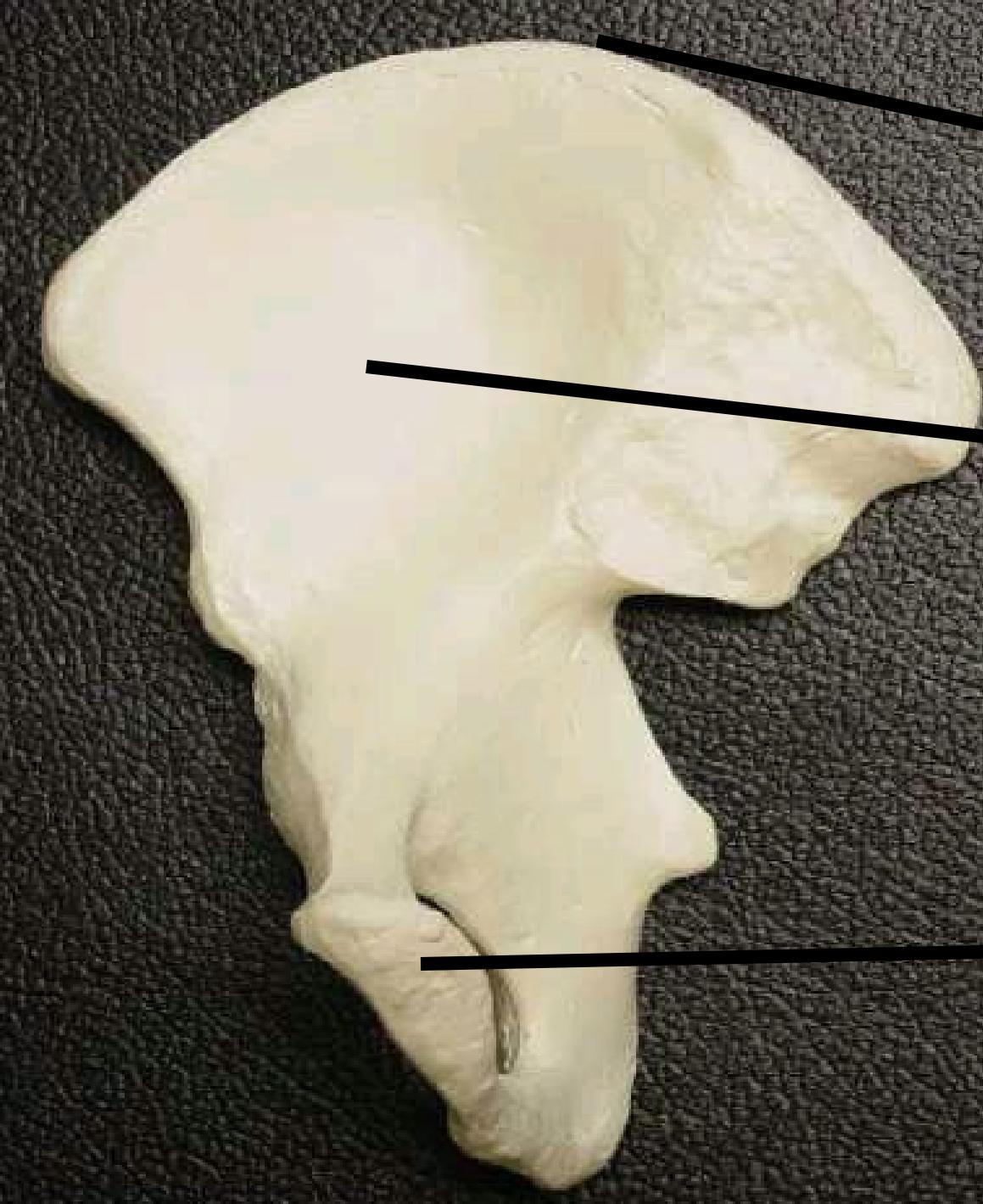


Articulated pelvis, anterior view



Articulated pelvis, anterior view





1

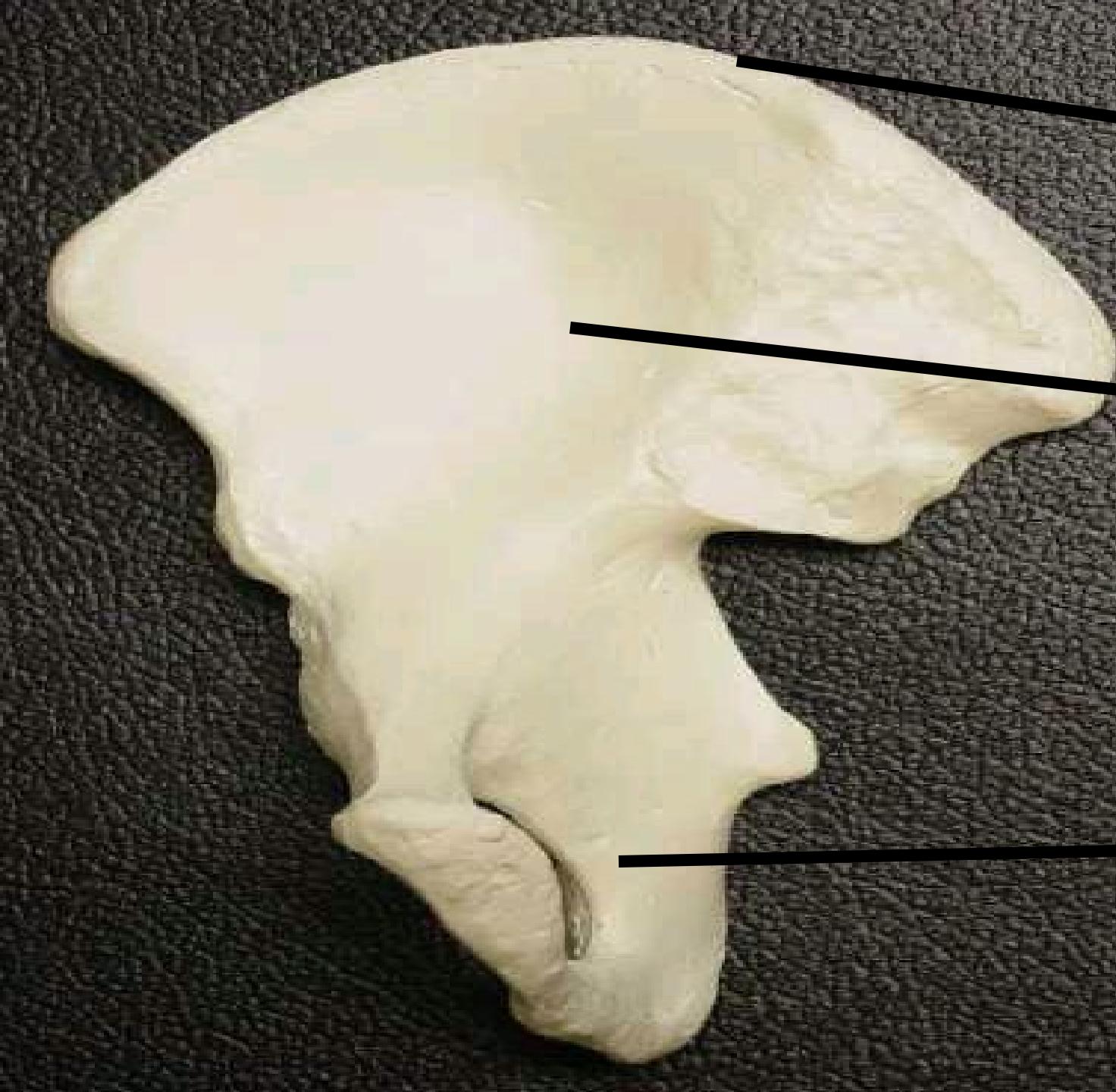
#1

#2

#3

3

Identify structure



Identify structure

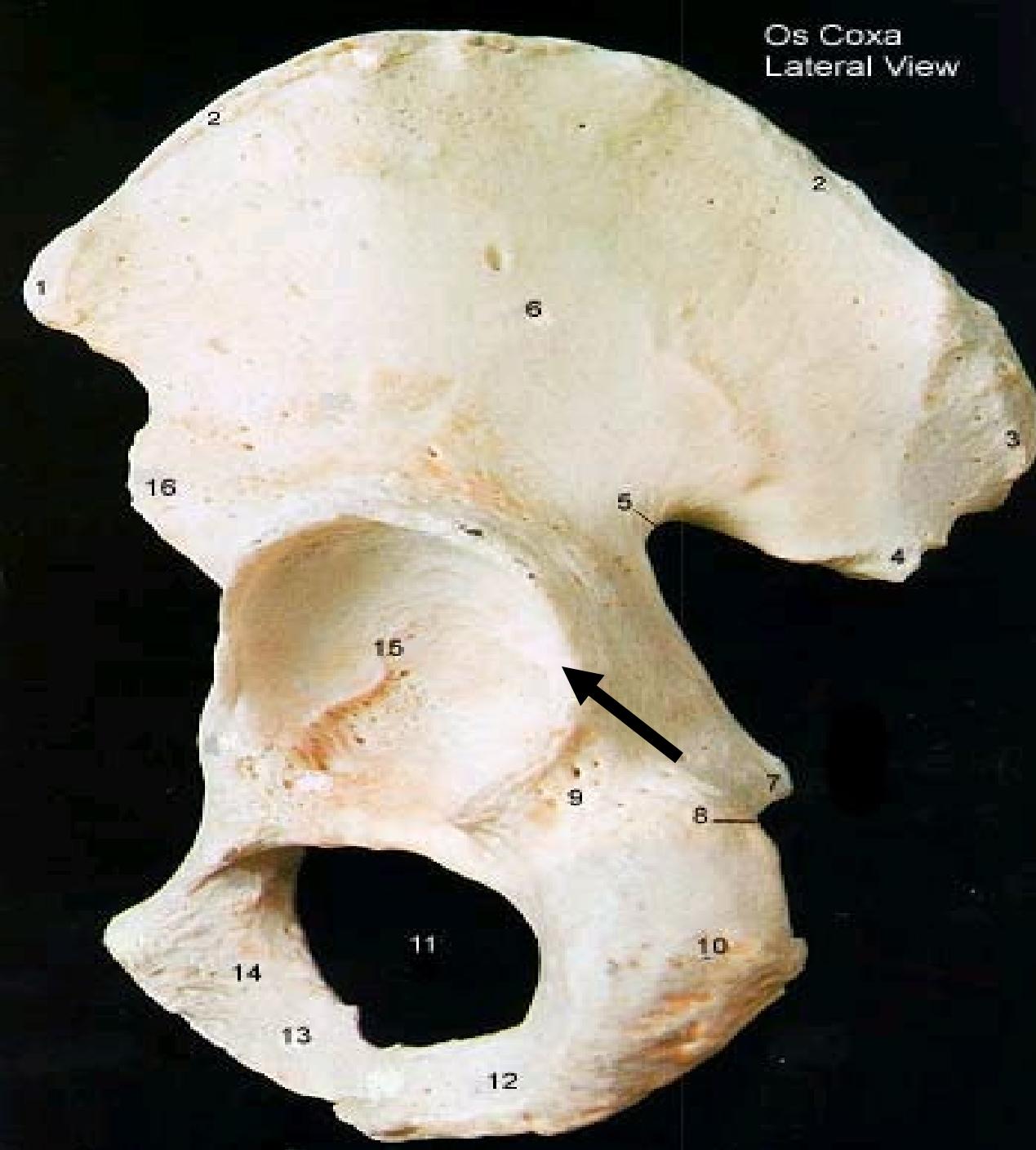
1 #1

anterior superior iliac spine -Iliac Crest

2 #2iliac fossa

#3inferior pubic
ramus , Symphysis
Pubis
Articulating Surface

3



What bone association of this os coxa form the structure # 15



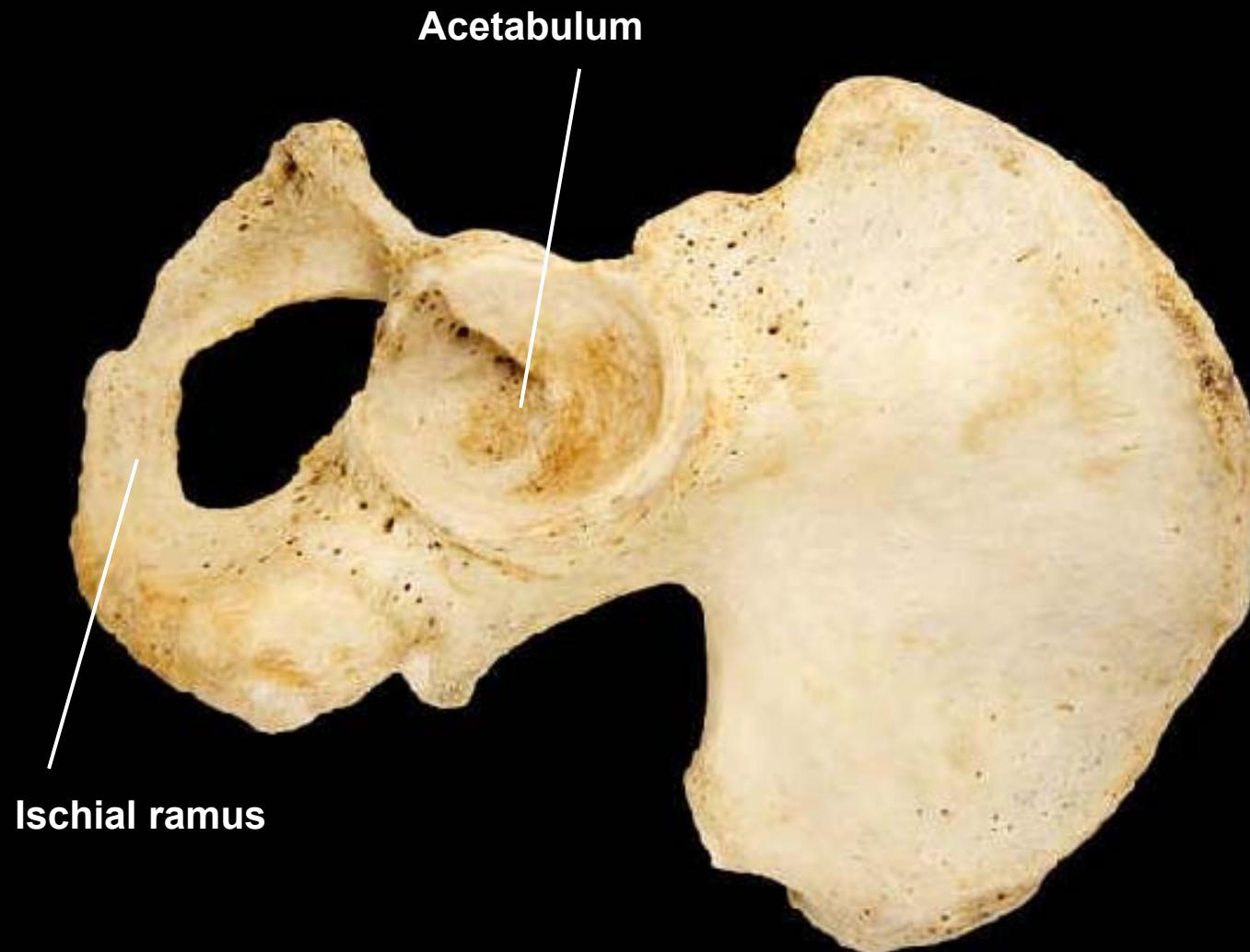
**What bone association
of this os coxa form the
structure # 15**

Ilium, ischium, pubis

Hipe bone, lateral view, left side



Hipe bone, lateral view, left side



Hip bone, lateral view, right side

Posterior superior iliac spine

Posterior inferior iliac spine

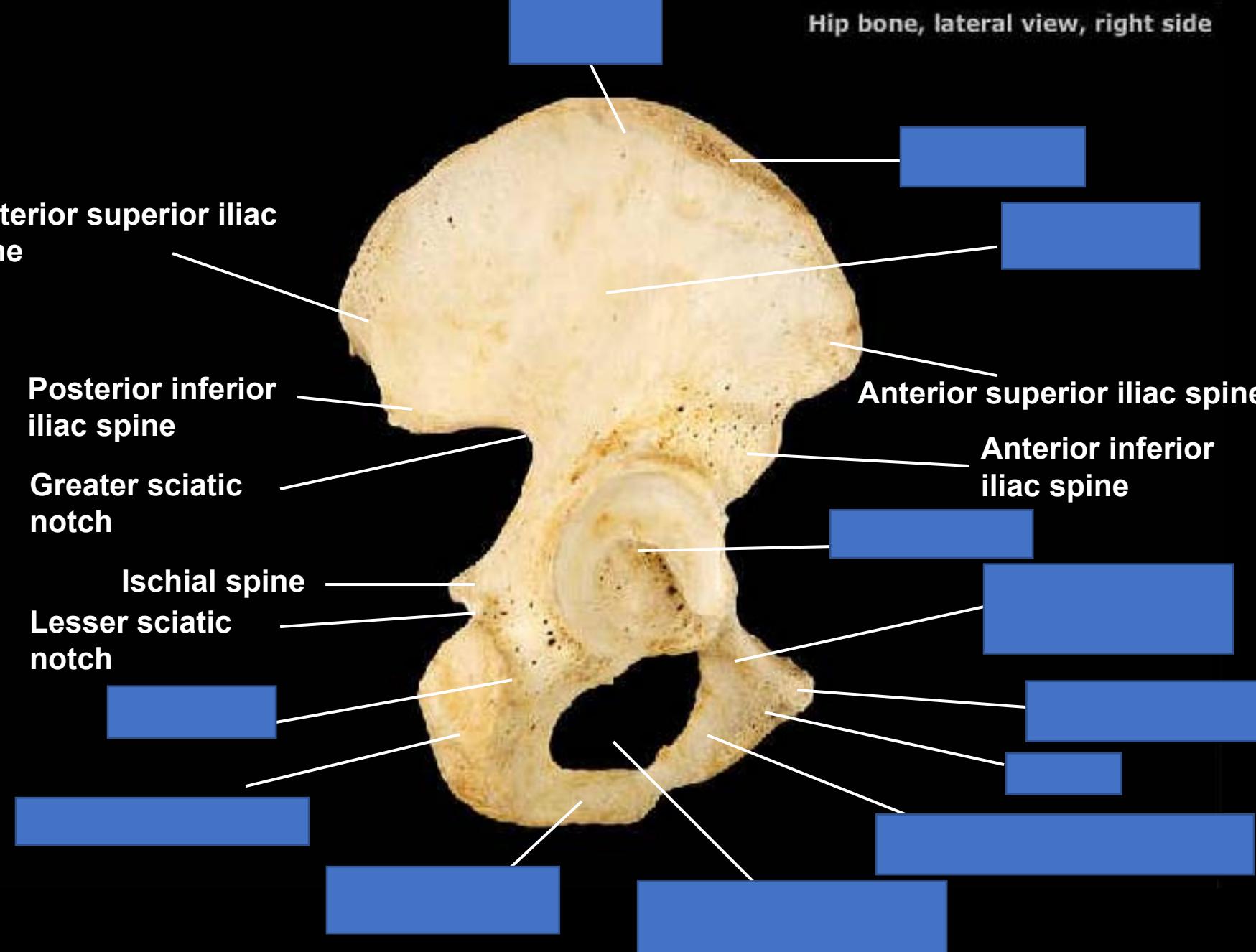
Greater sciatic notch

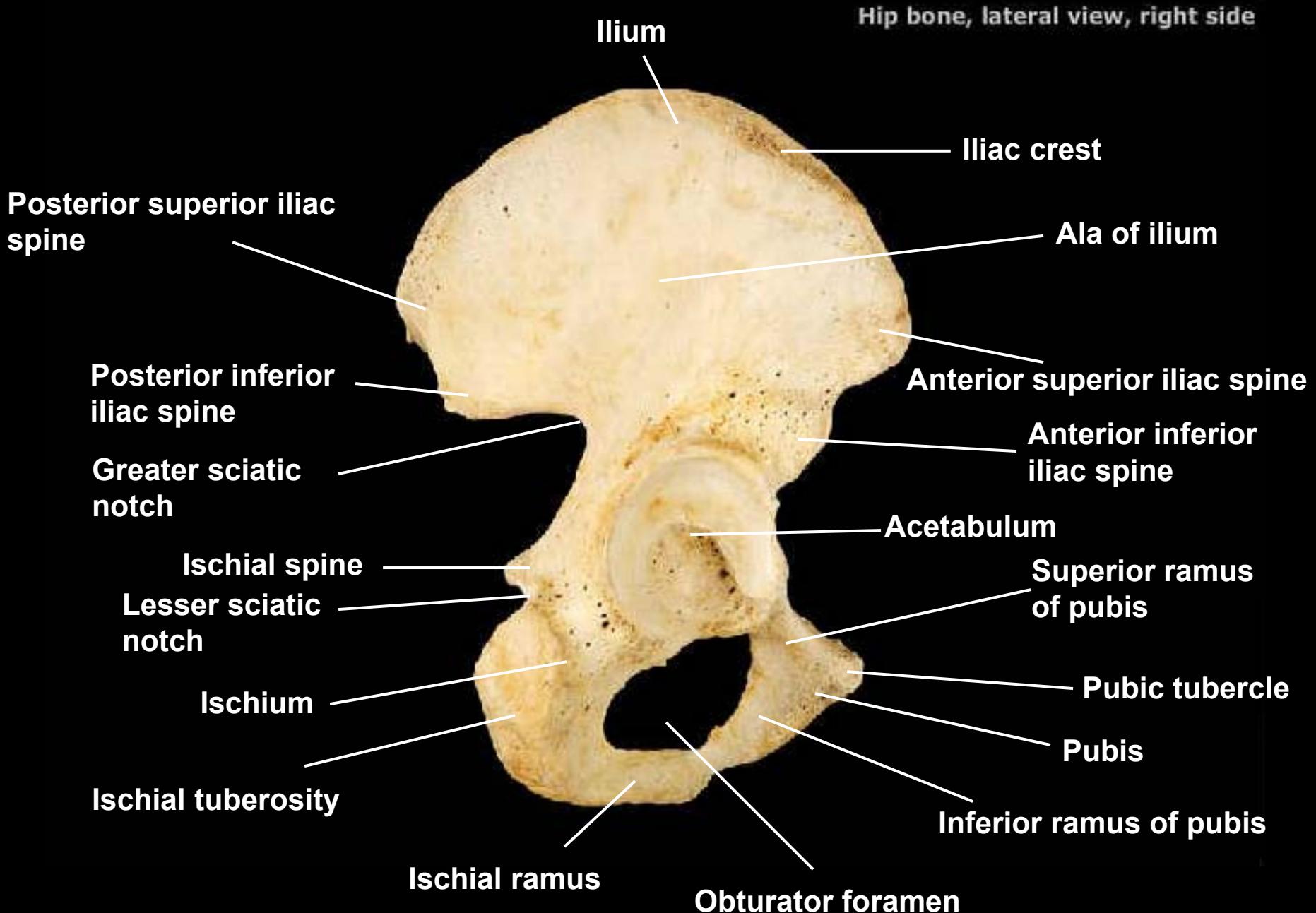
Ischial spine

Lesser sciatic notch

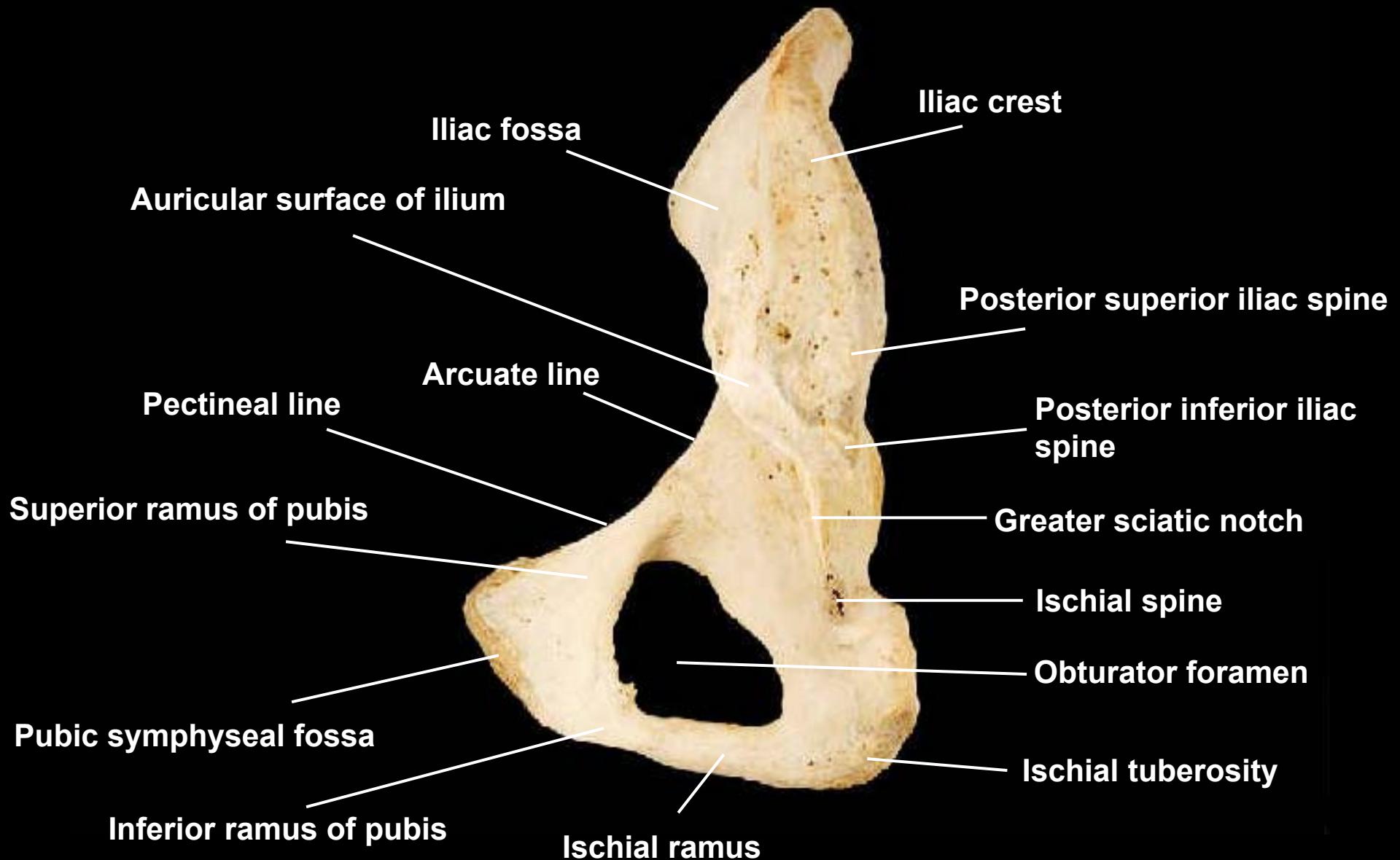
Anterior superior iliac spine

Anterior inferior iliac spine

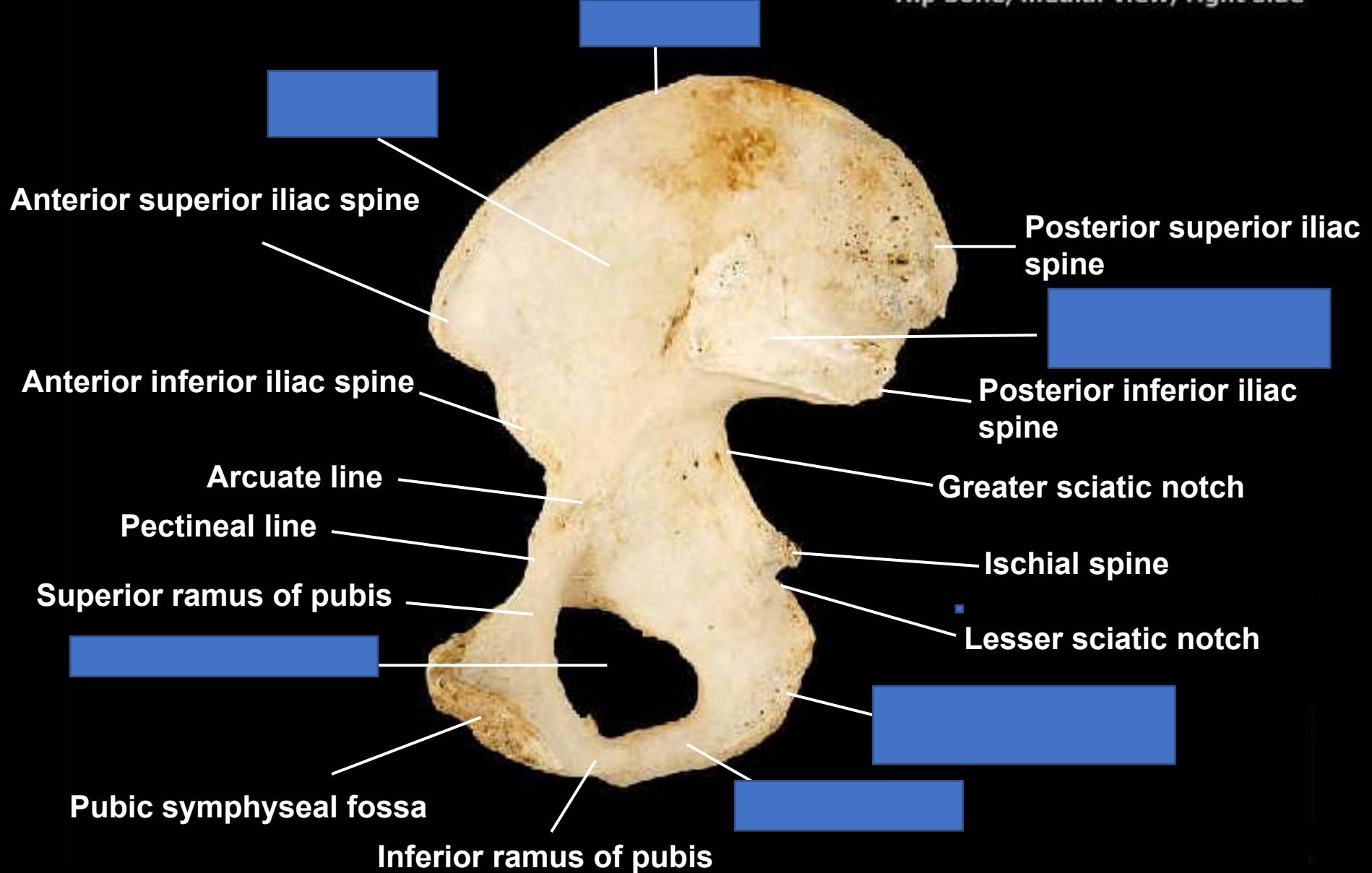




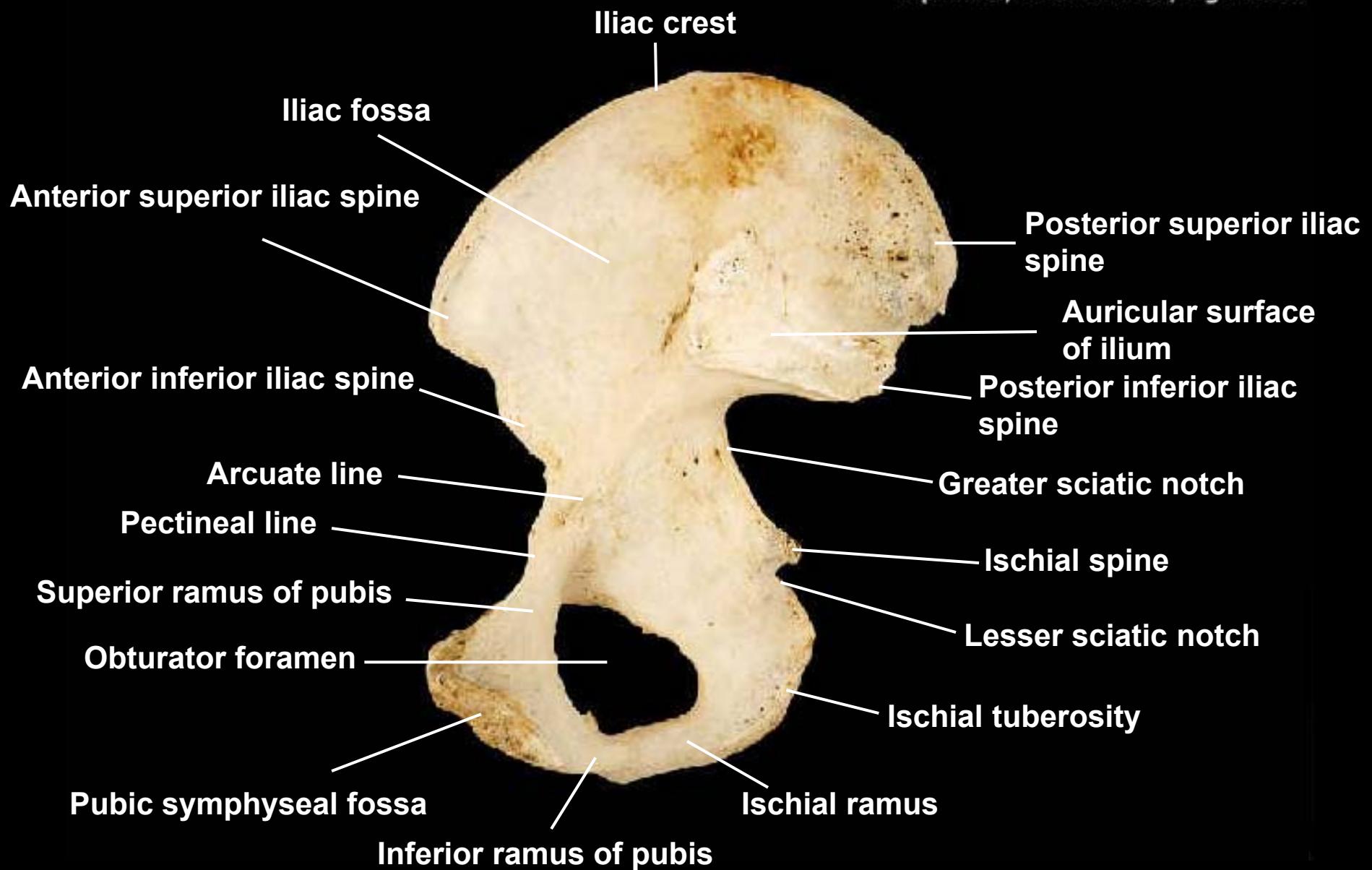
Hip bone, posteromedial view, right side



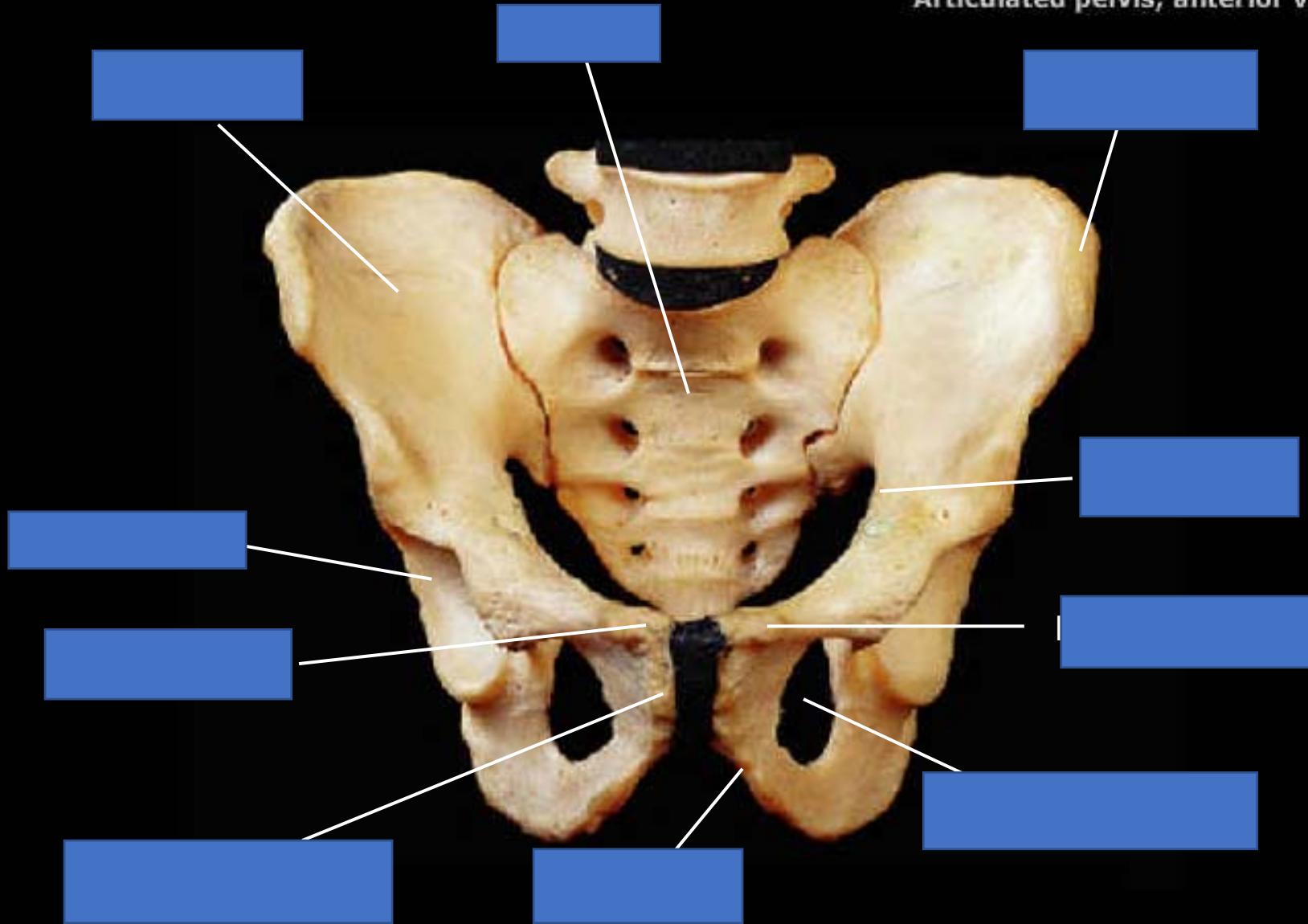
Hip bone, medial view, right side



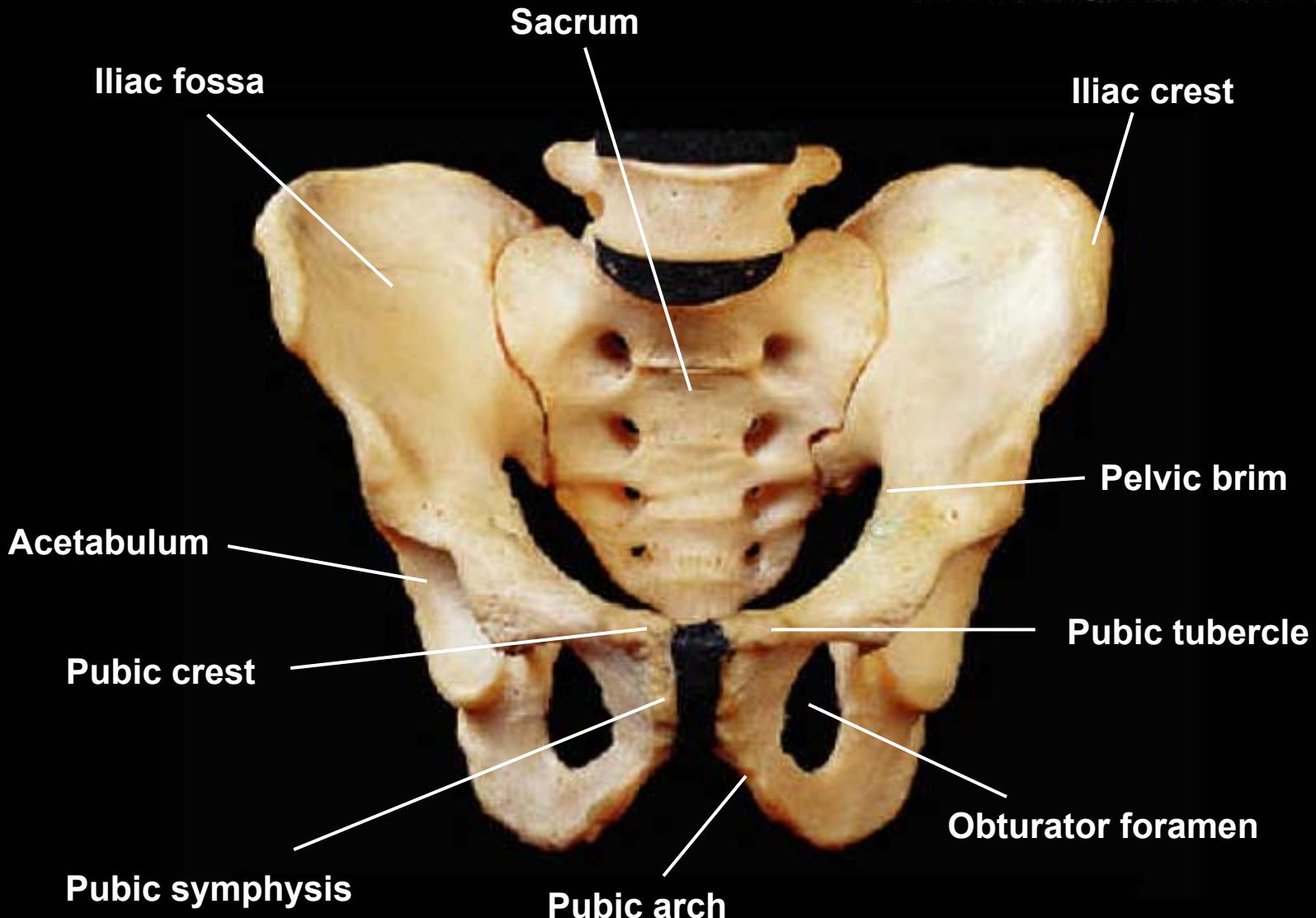
Hip bone, medial view, right side



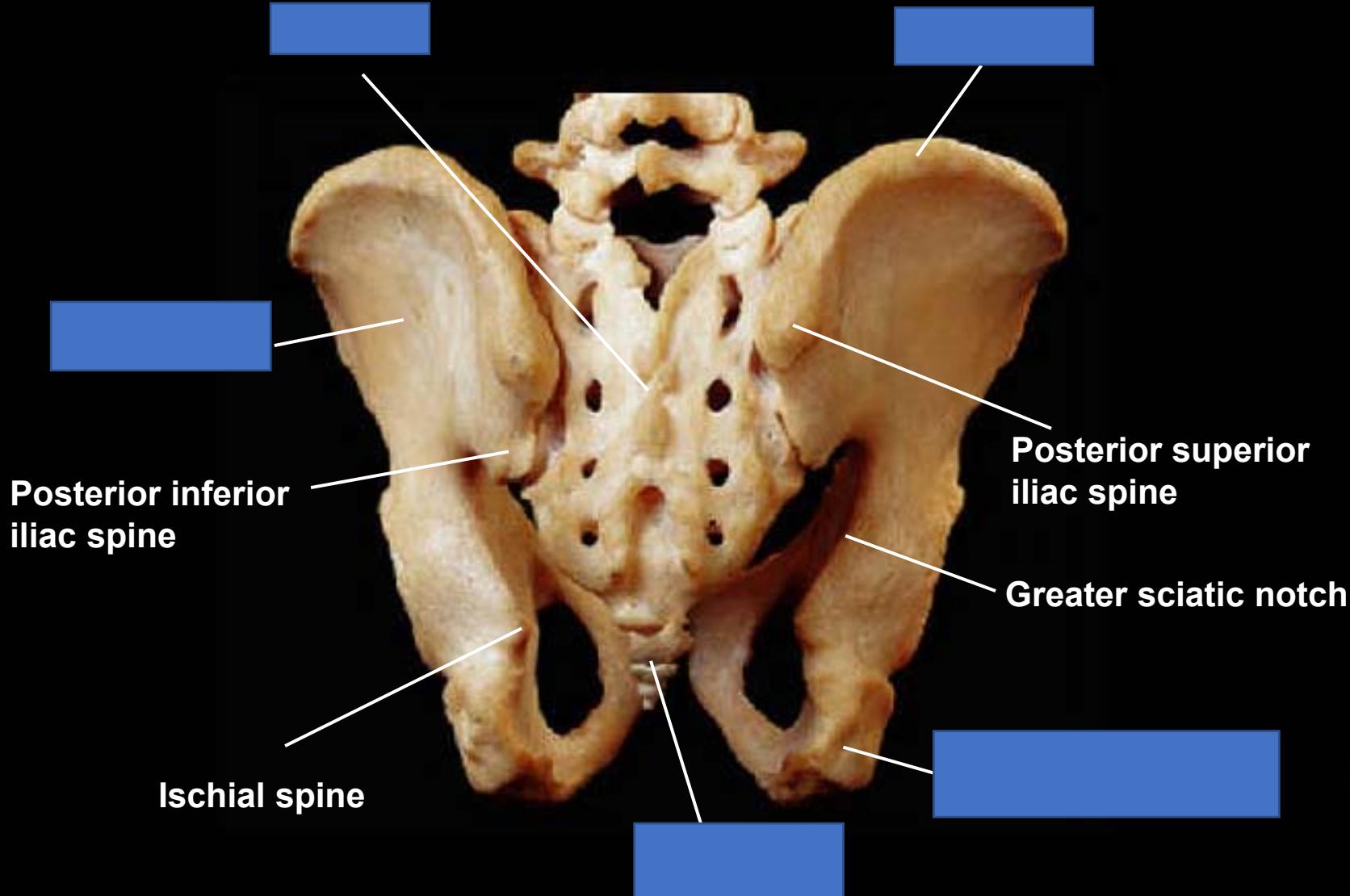
Articulated pelvis, anterior view



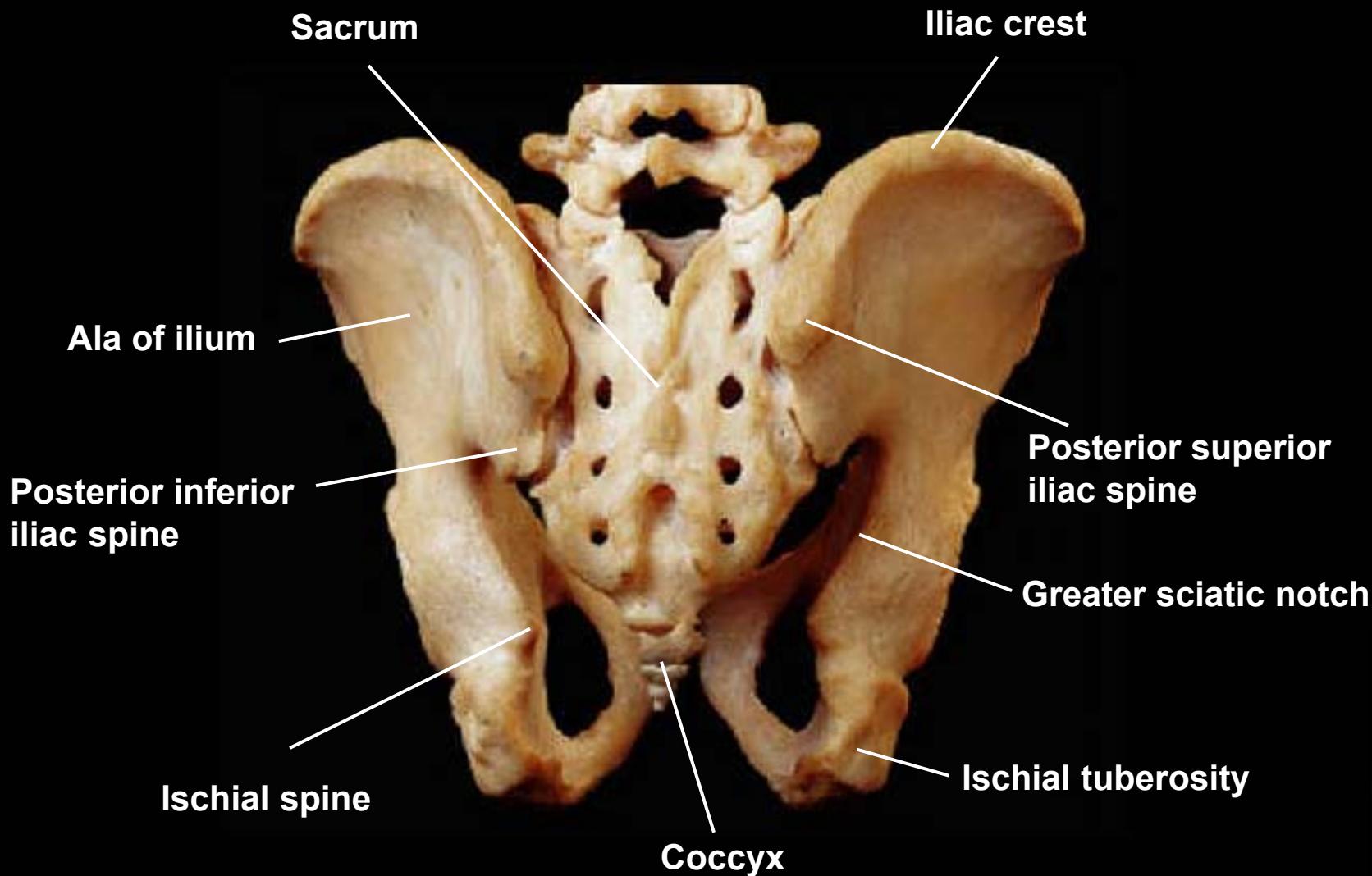
Articulated pelvis, anterior view

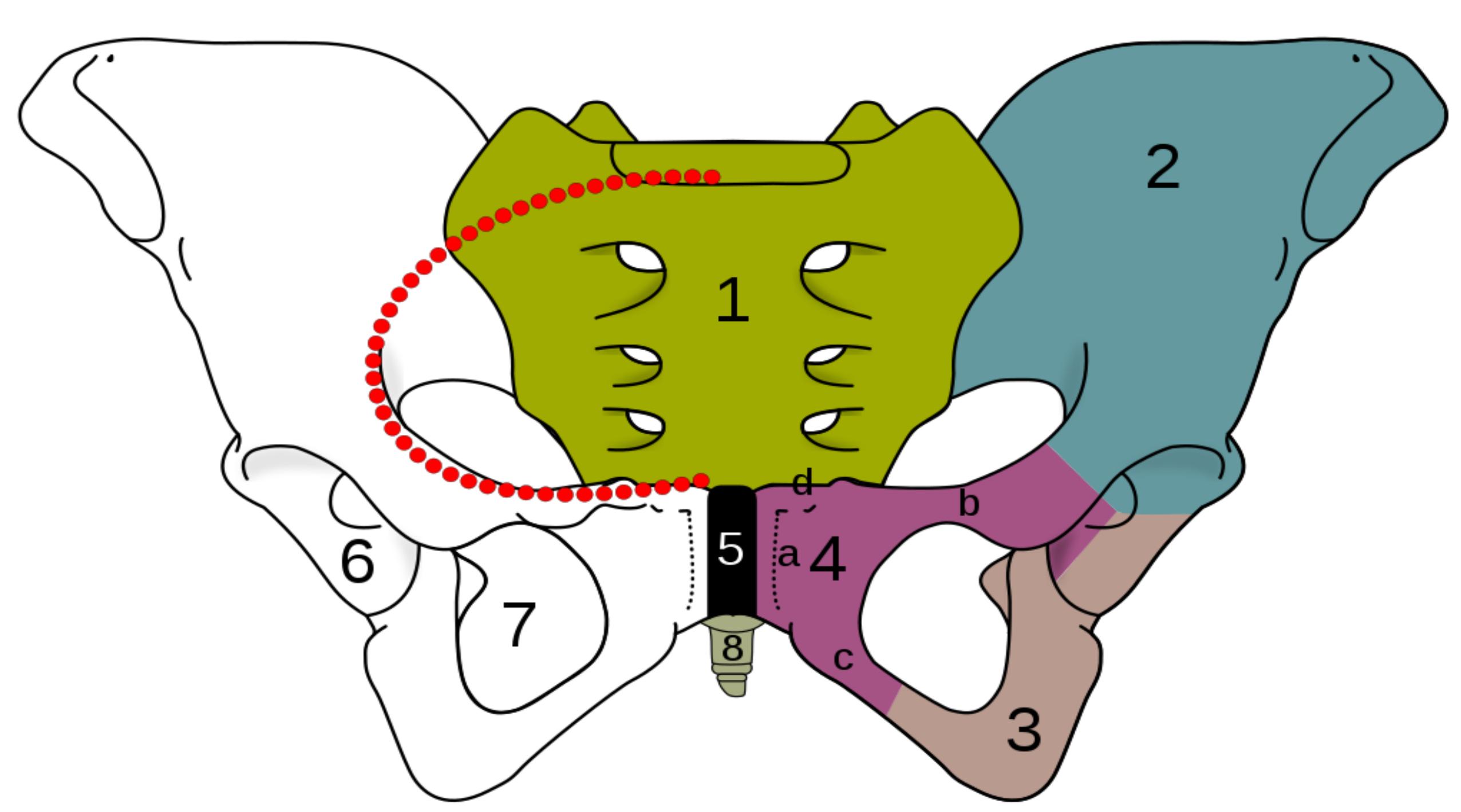


Articulated pelvis, posterior view



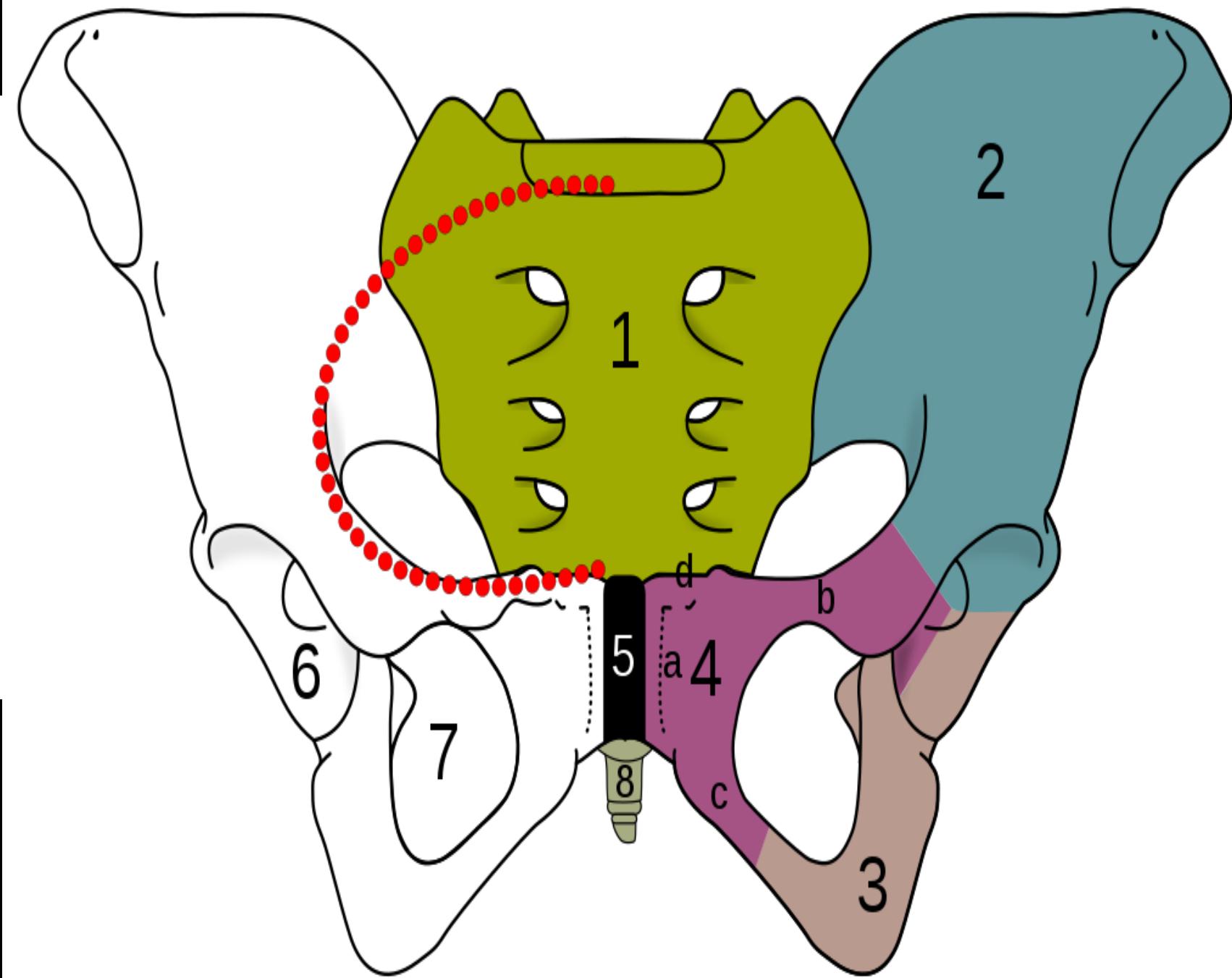
Articulated pelvis, posterior view

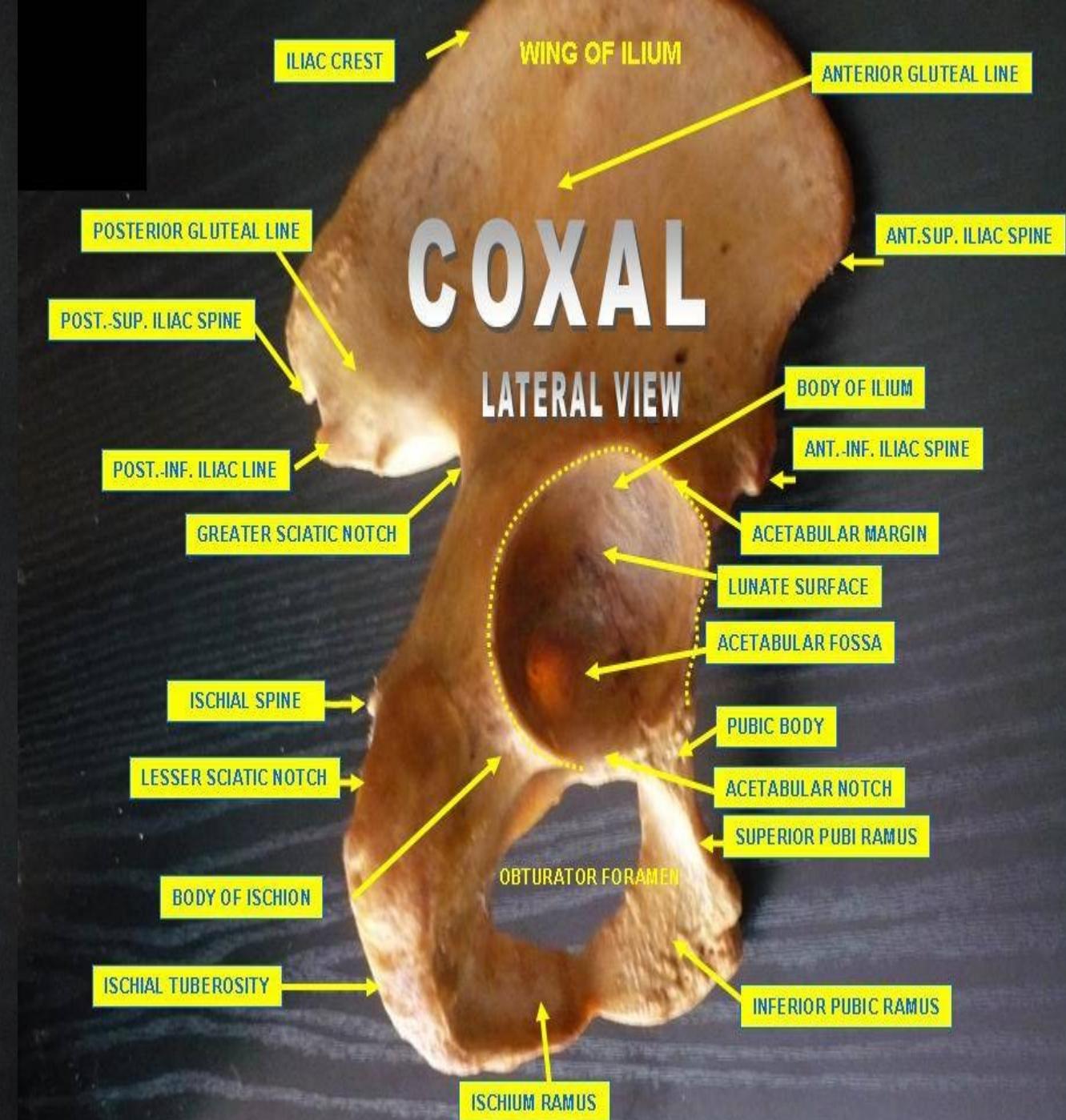




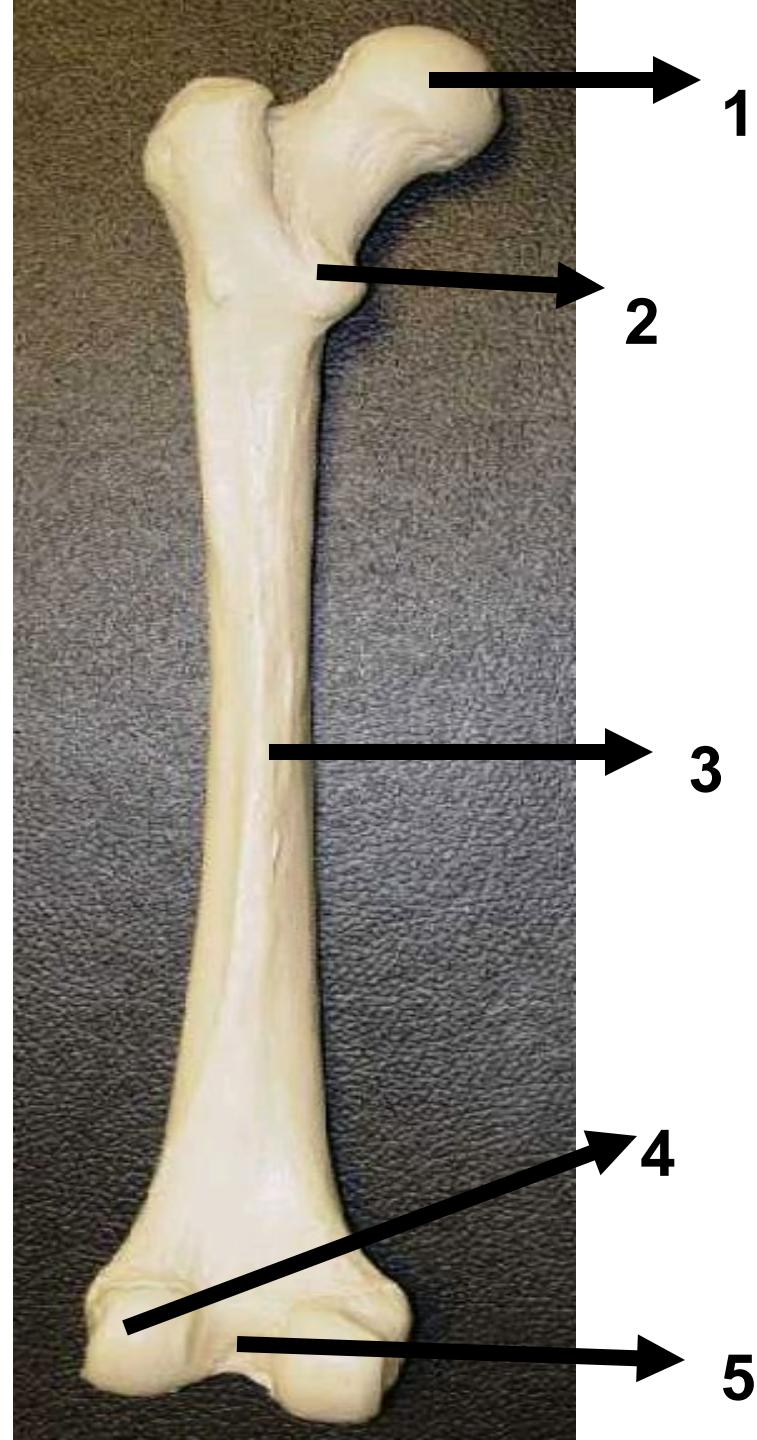
The skeleton of the human pelvis:

- 2–4. **Hip bone (os coxae)**
1. **Sacrum (os sacrum),**
2. **Ilium (os ilium),**
3. **Ischium (os ischii)**
4. **Pubic bone (os pubis) (4a. corpus,
4b. ramus superior, 4c. ramus
inferior, 4d. tuberculum pubicum)**
5. **Pubic symphysis,**
6. **Acetabulum (of the hip joint),**
7. **Foramen obturatum,**
8. **Coccyx/tailbone (os coccygis)**
Dotted. Linea terminalis of the
pelvic brim





Inferior appendages



What bone is this bone?

What side is this bone from?

Identify the area #1

Identify the area #2

Identify area #4

Identify area #5

5



1

2

3

4

5

What bone is this bone? femur

What side is this bone from? left

Identify the area #1head

Identify the area #2 Lesser Trochanter

Identify area #4 lateral condyle

Identify area # 5 intercondylar notch ,medial condyle fossa



Name this bone?

What articulation this bone has in its proximal surface?



Name this bone? fibula

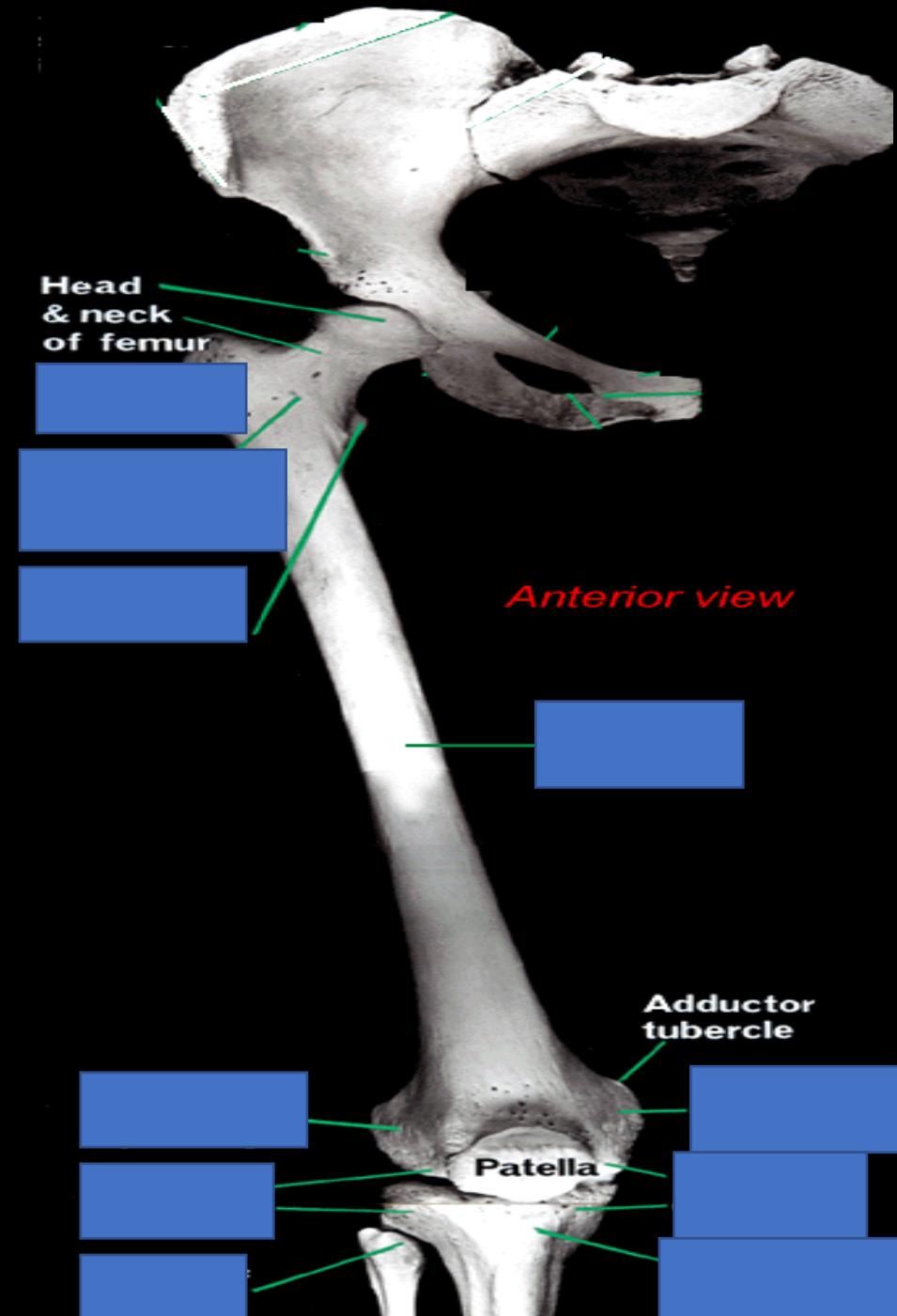
What articulation this bone has in its proximal surface? tibia

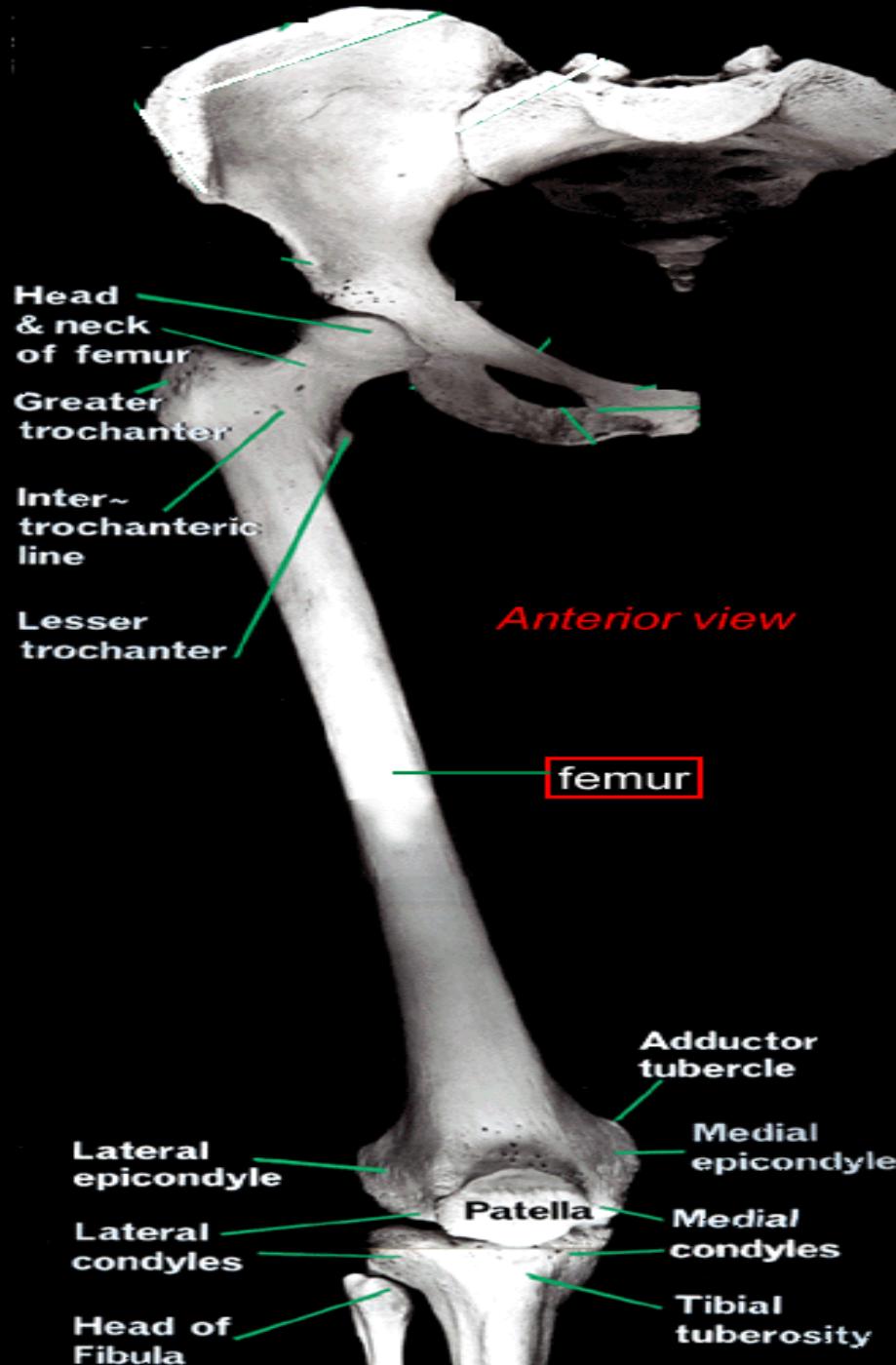


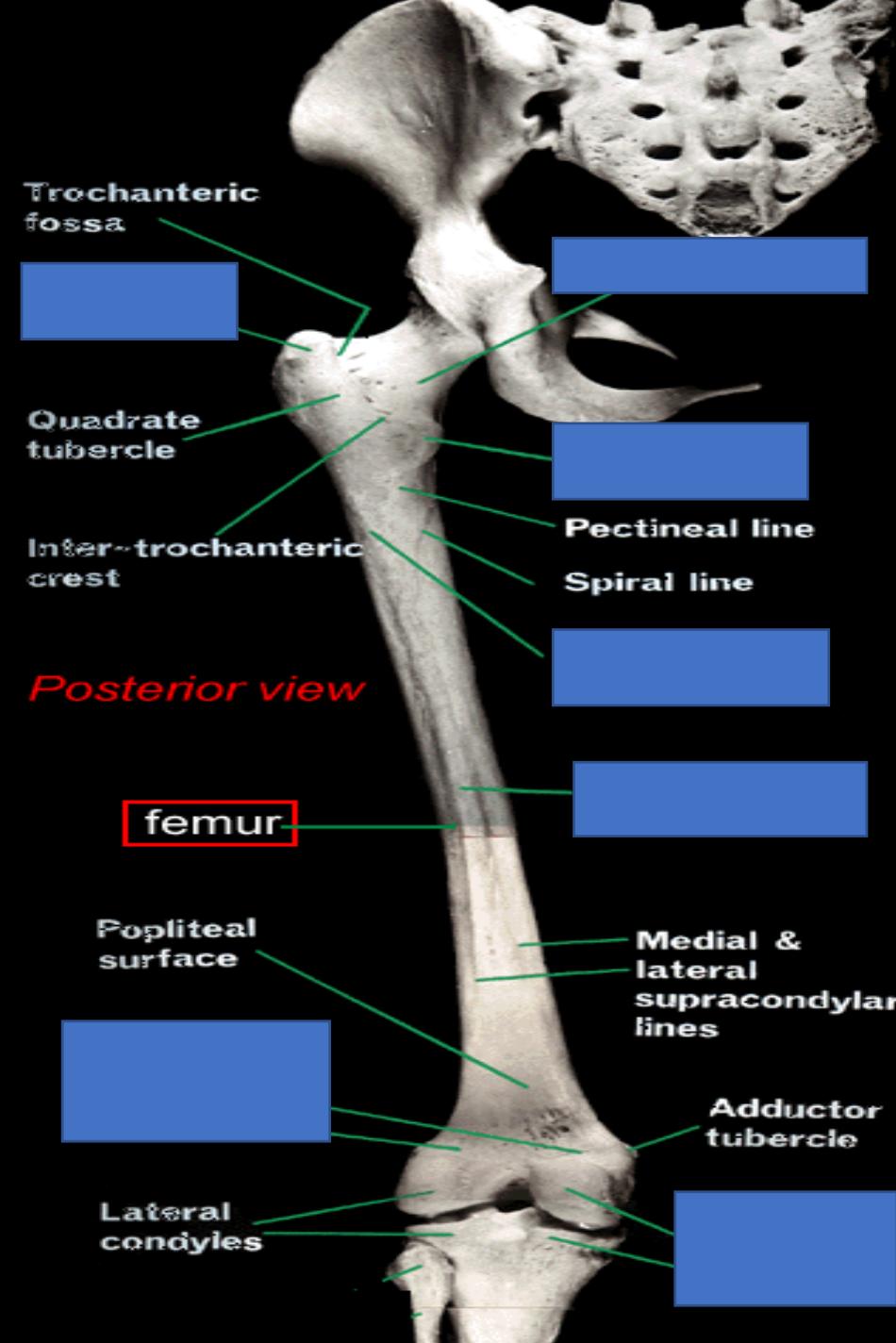
IDENTIFY THIS
BONE?

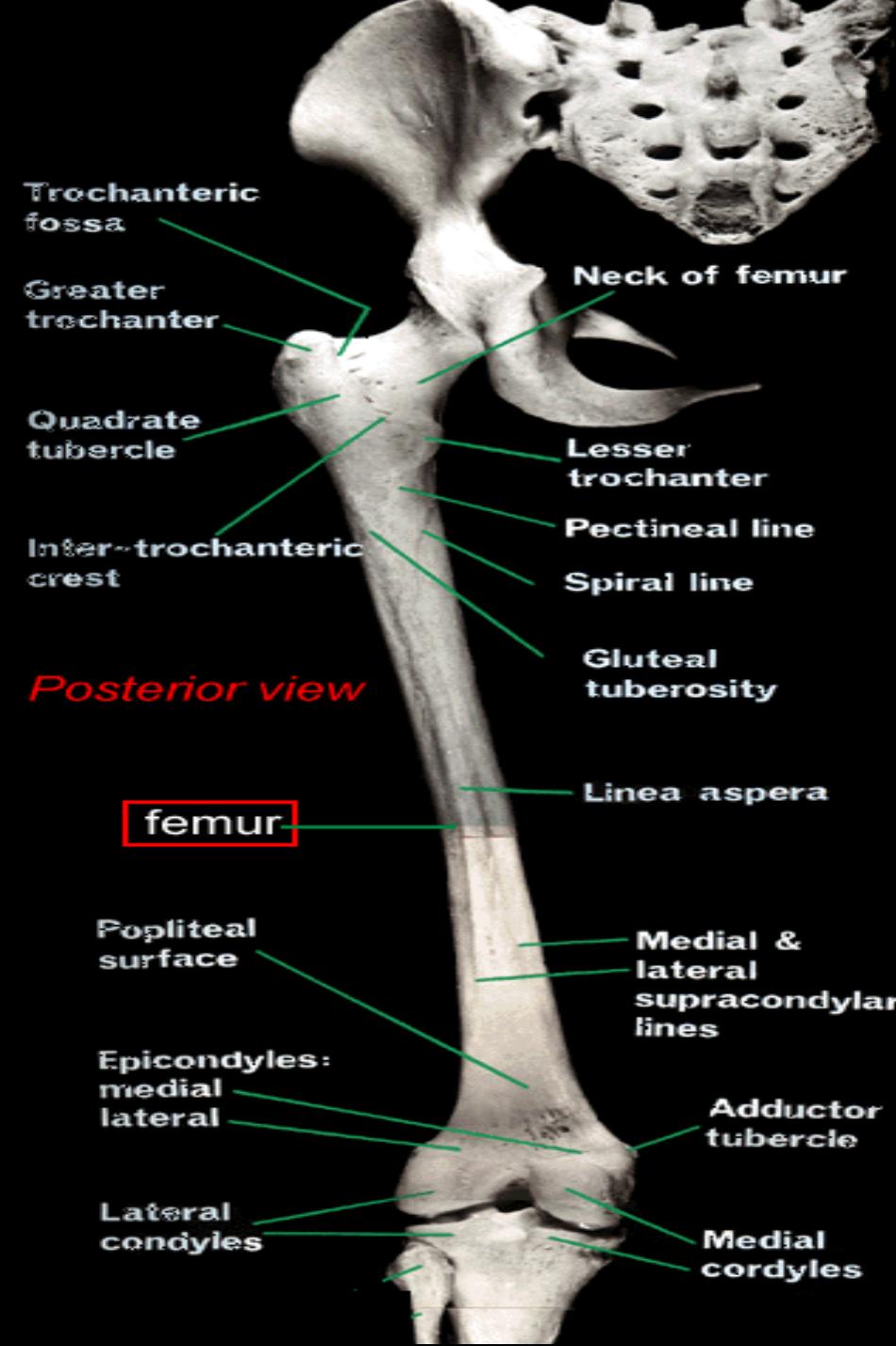


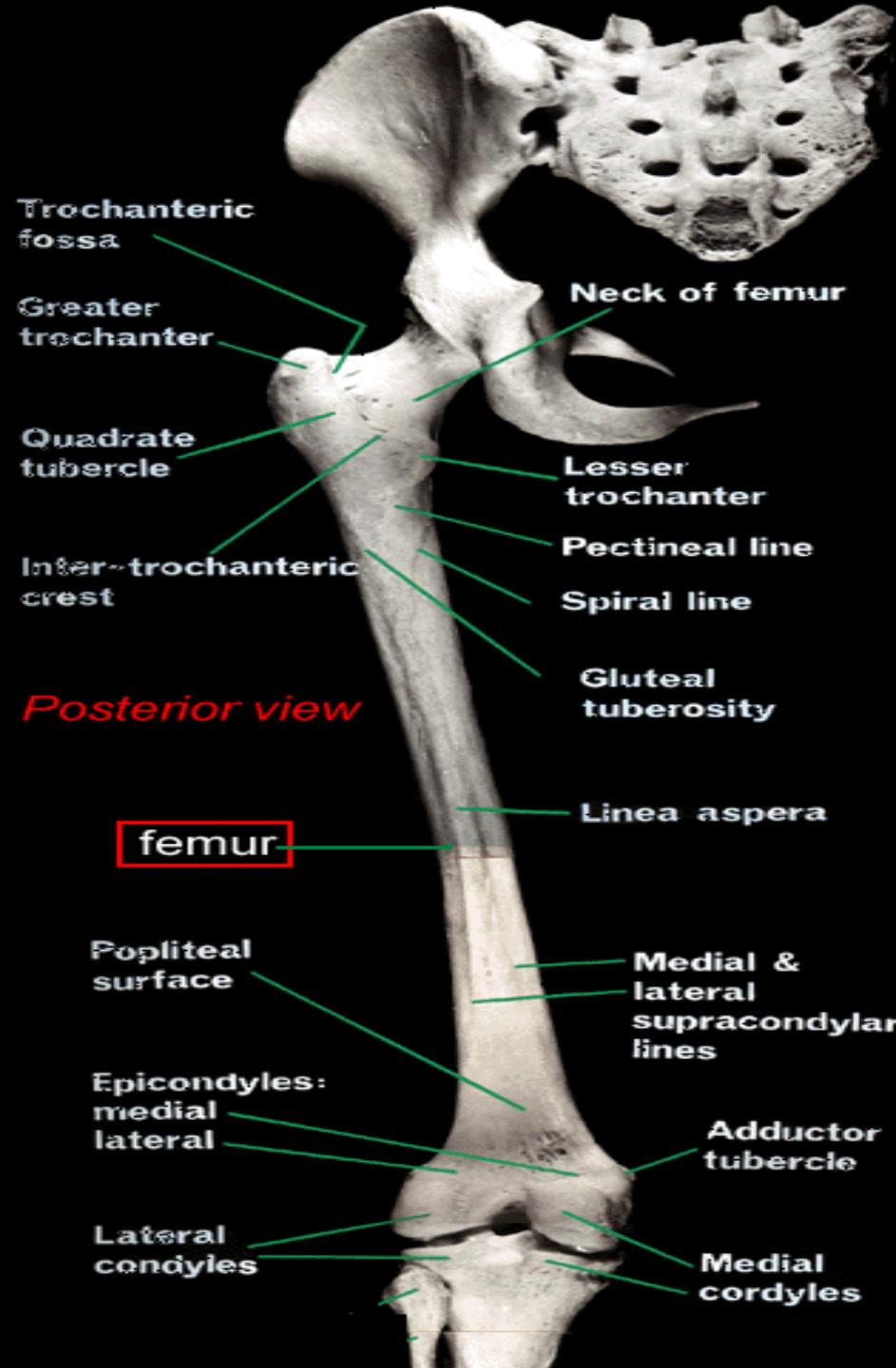
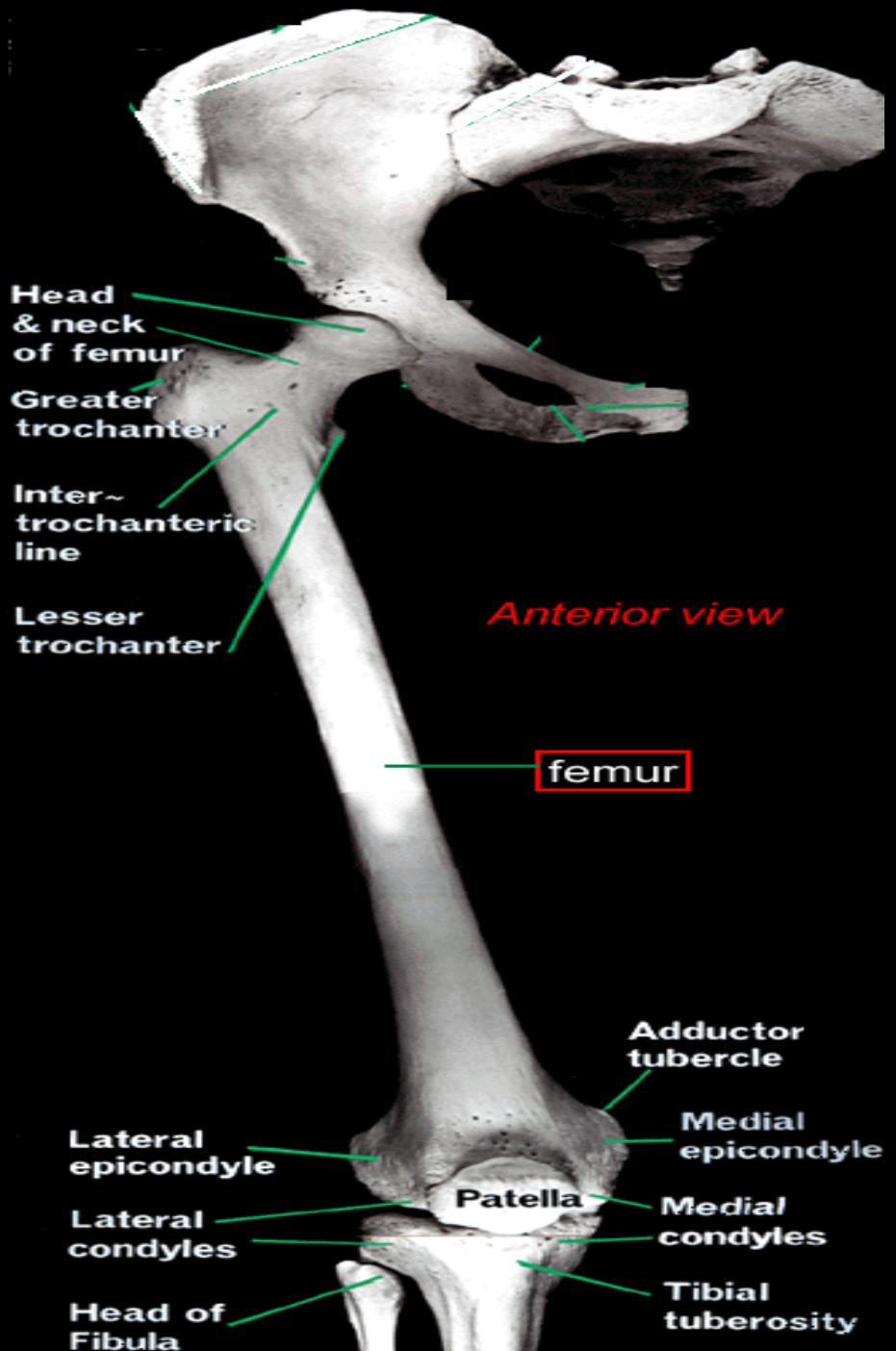
IDENTIFY THIS
BONE? TIBIA



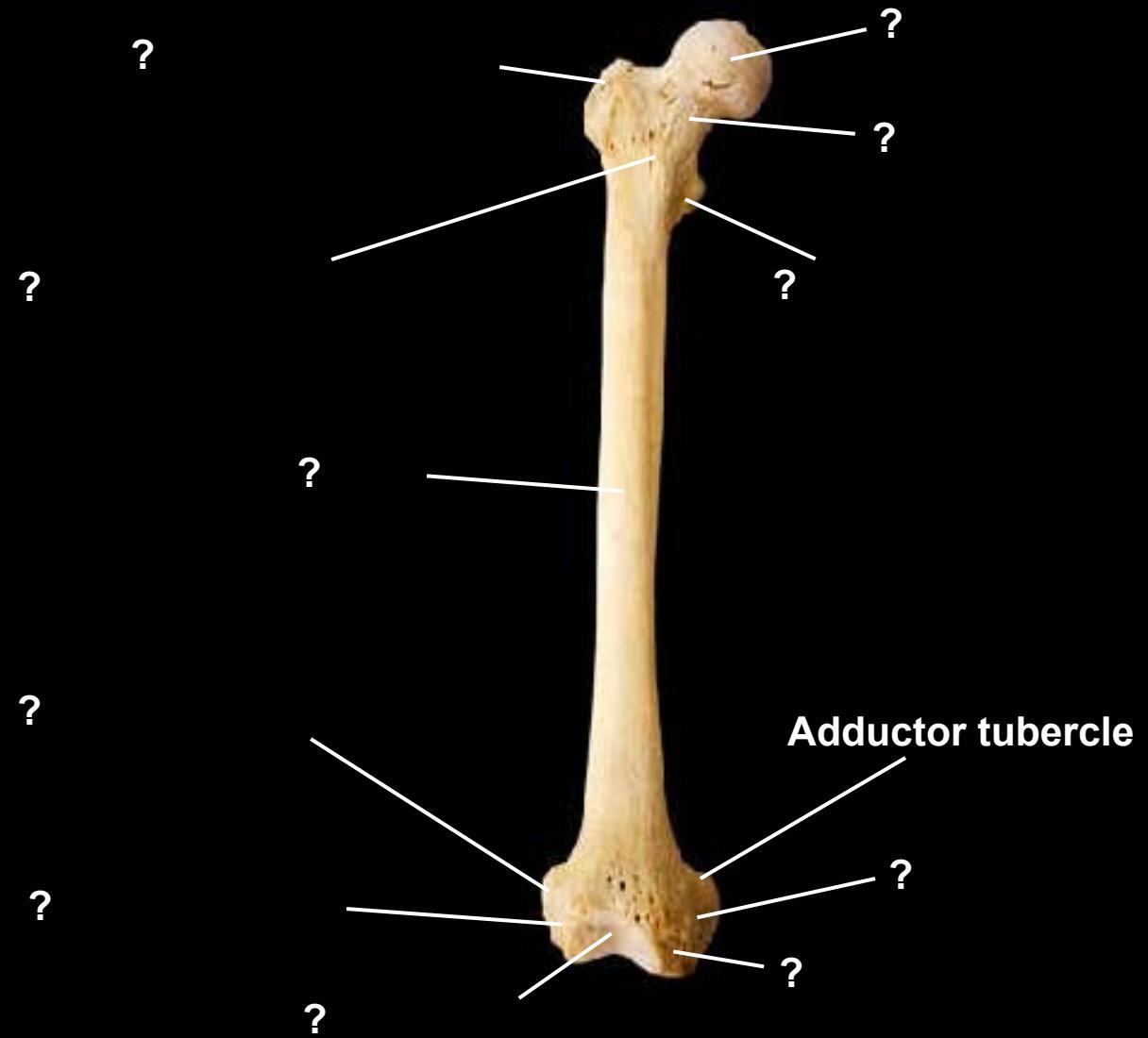




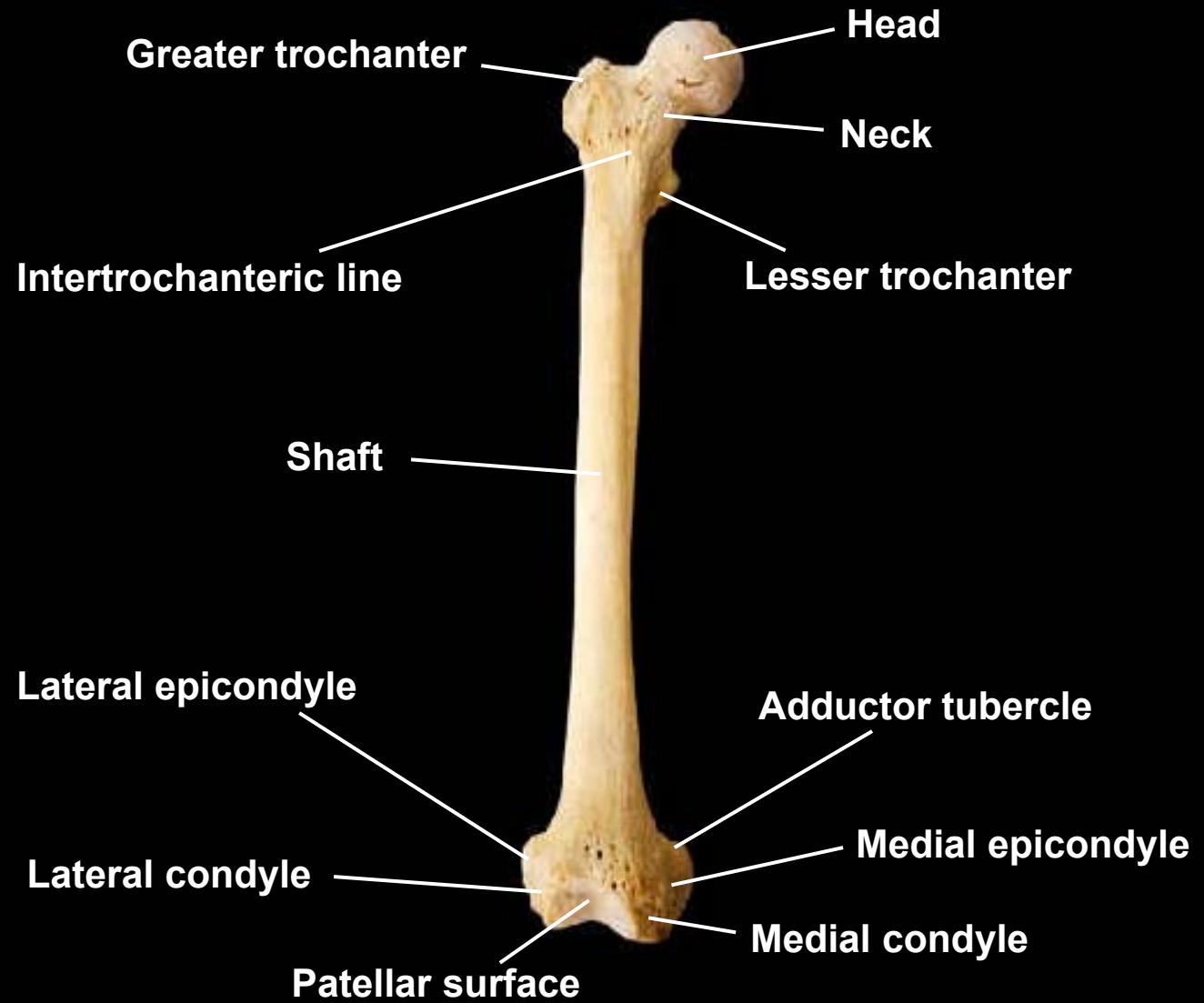




Femur, anterior view, right side



Femur, anterior view, right side







Head

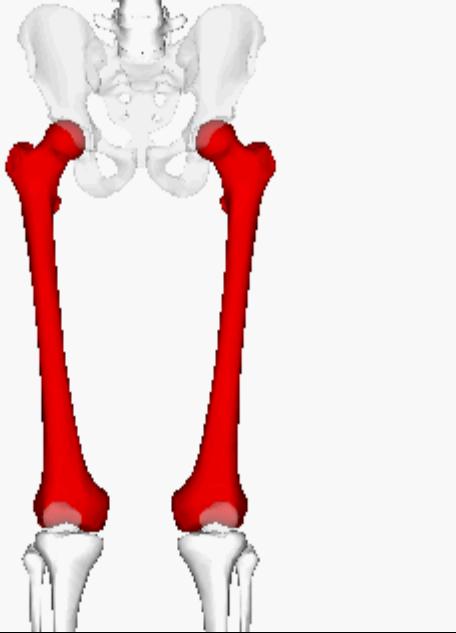
Neck

Greater trochanter

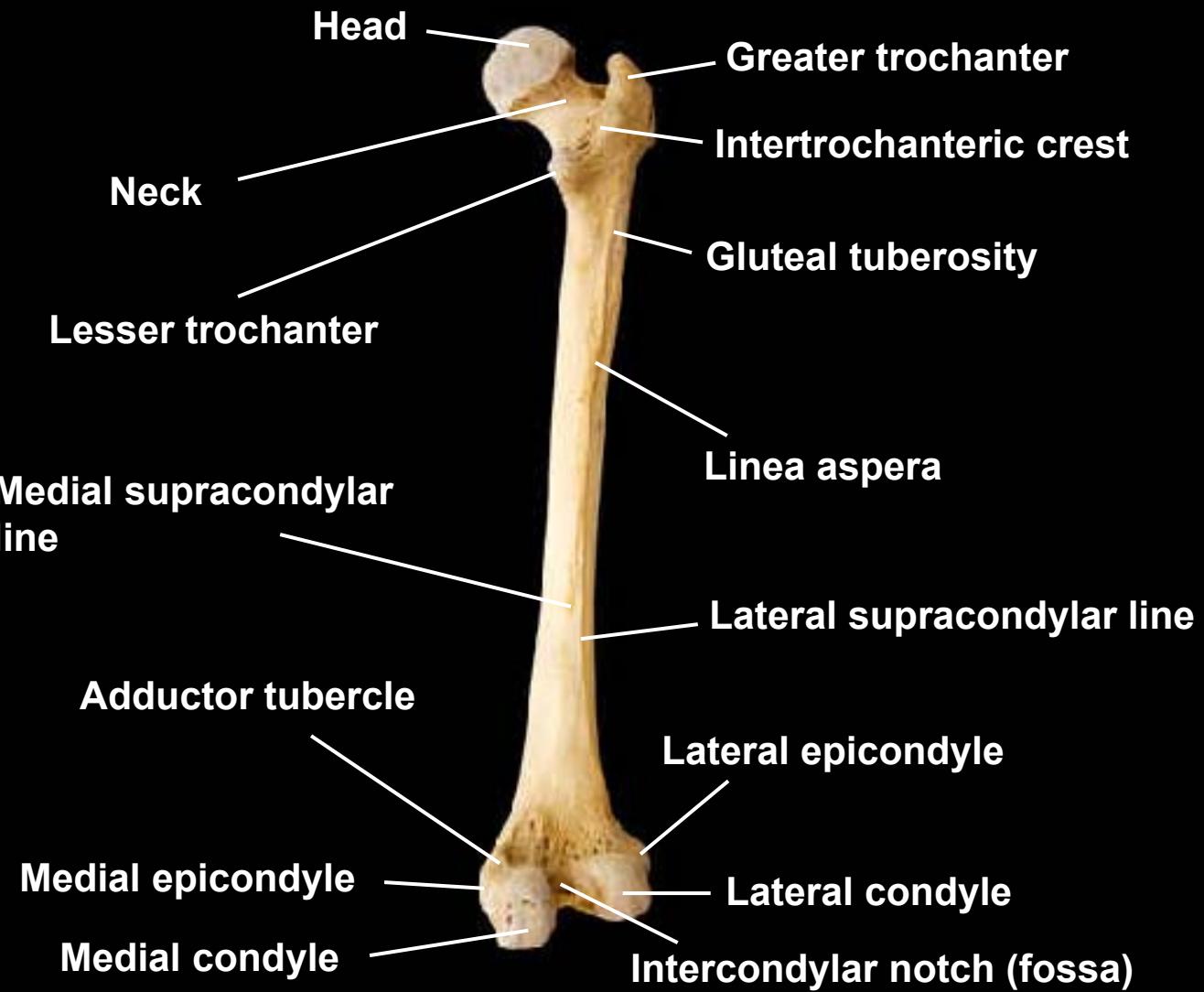
Lesser trochanter

Femur, posterior view, right side

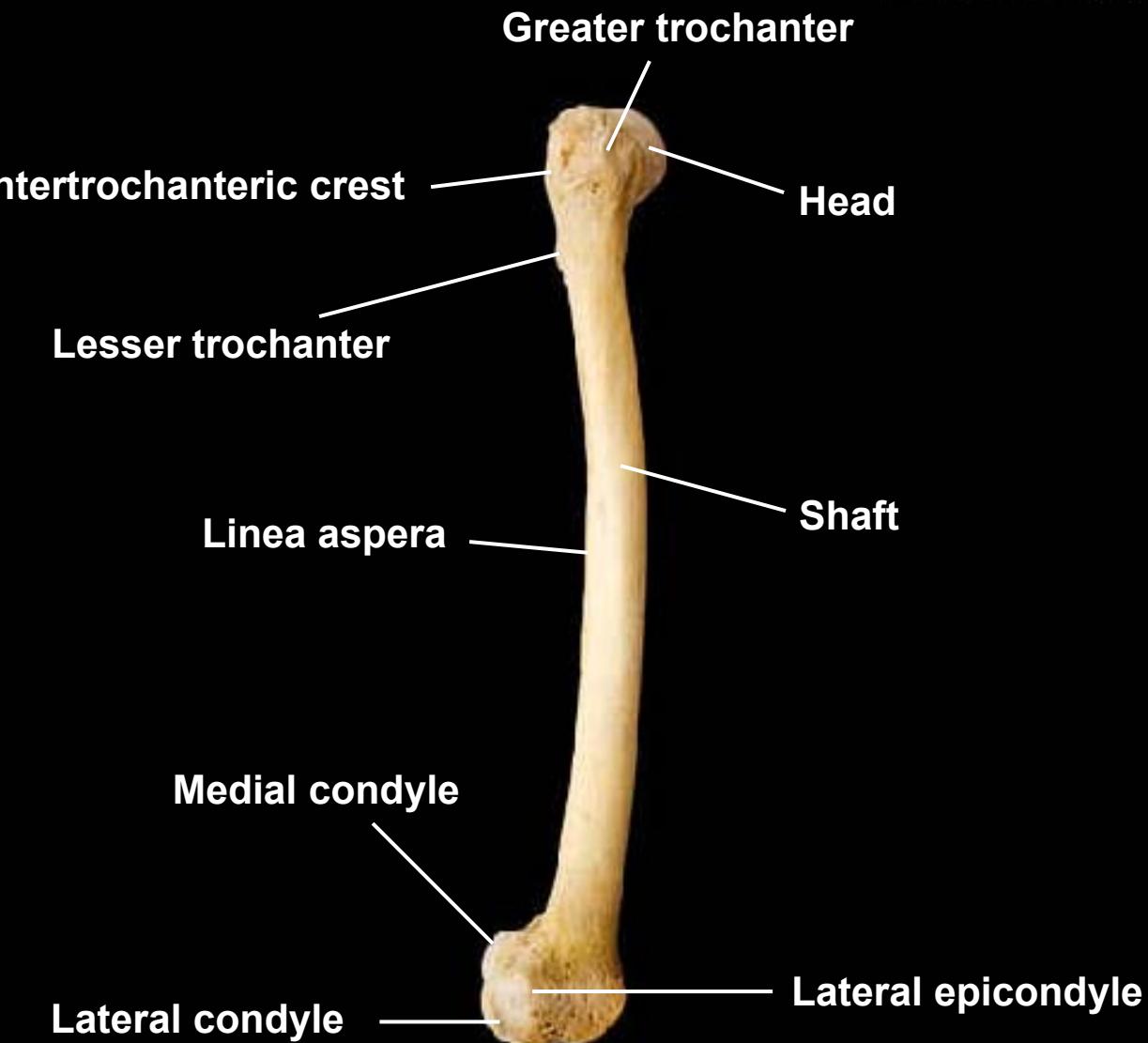




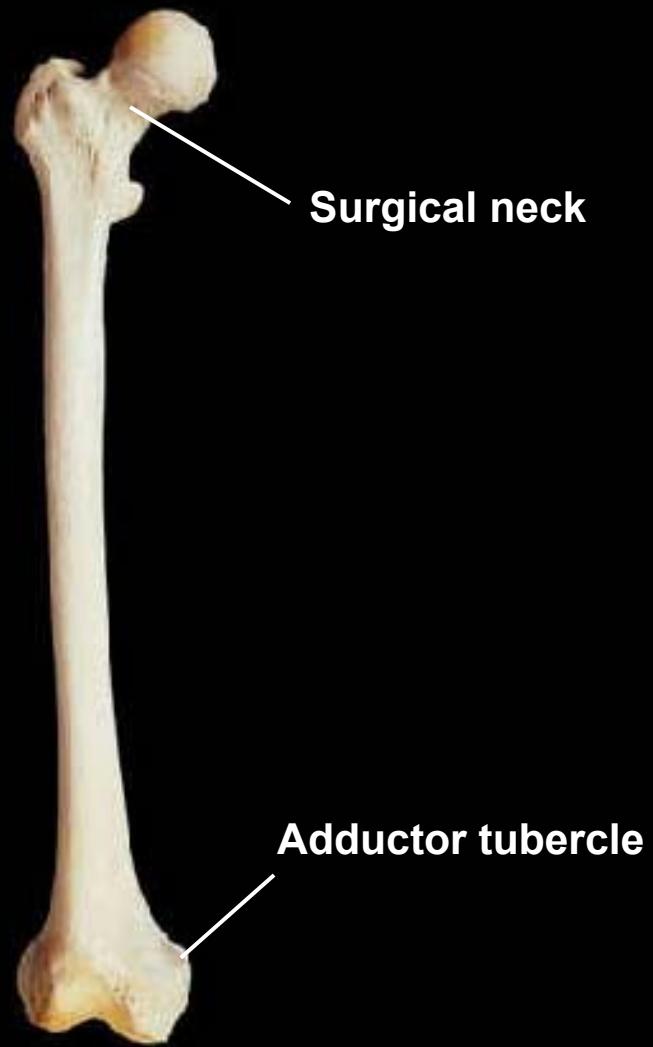
Femur, posterior view, right side



Femur, lateral view, right side



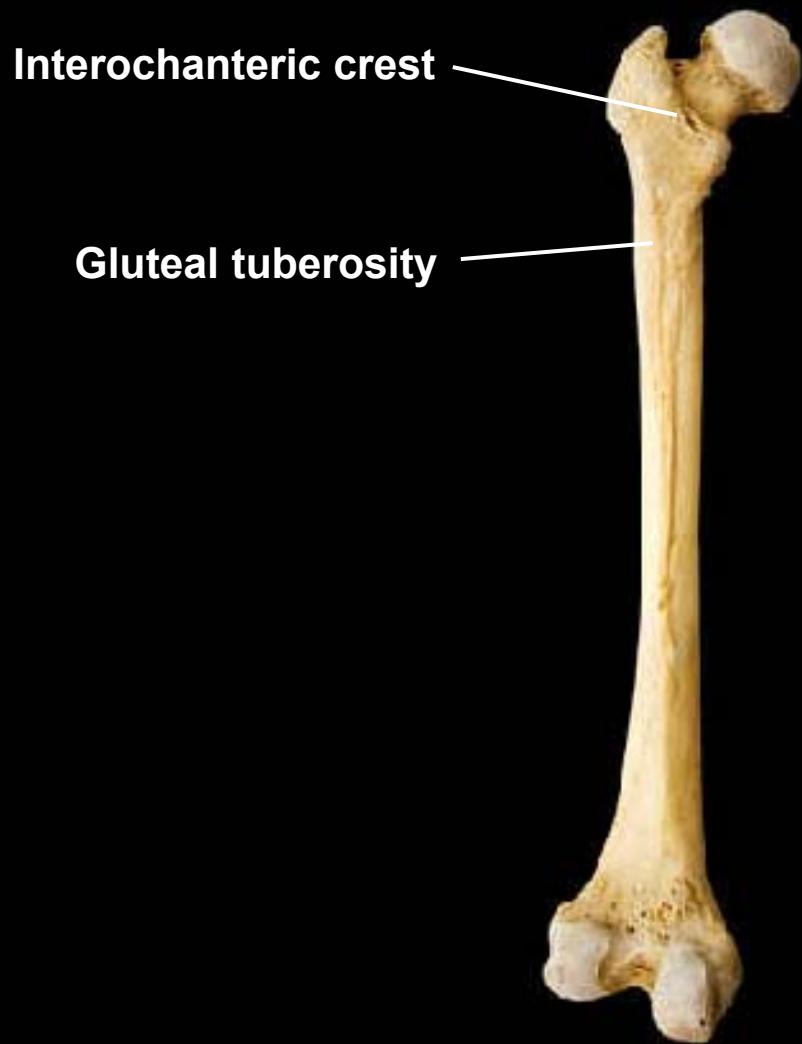
Femur, anterior view, right side



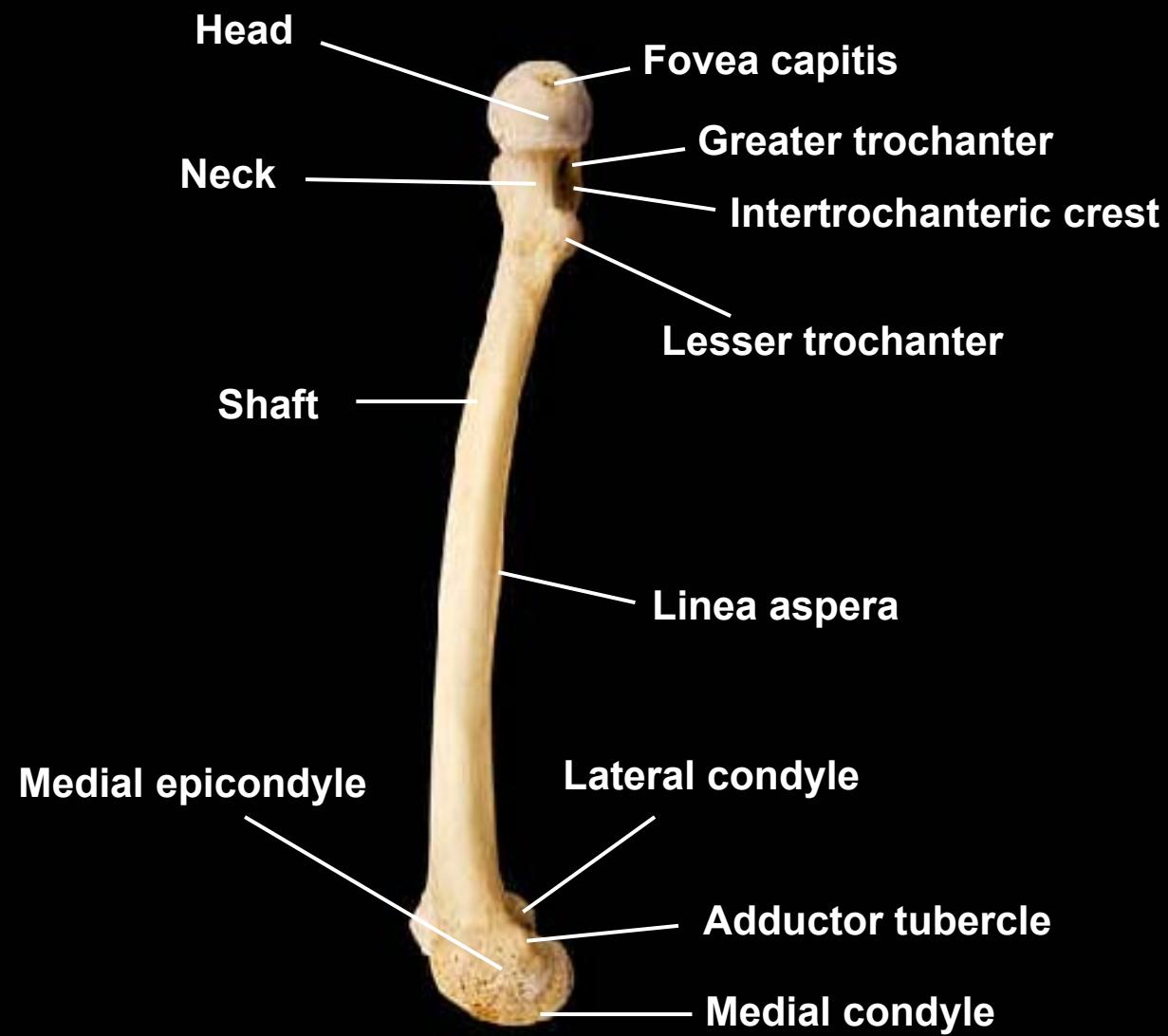
Surgical neck

Adductor tubercle

Femur, posterior view, left side



Femur, medial view, right side

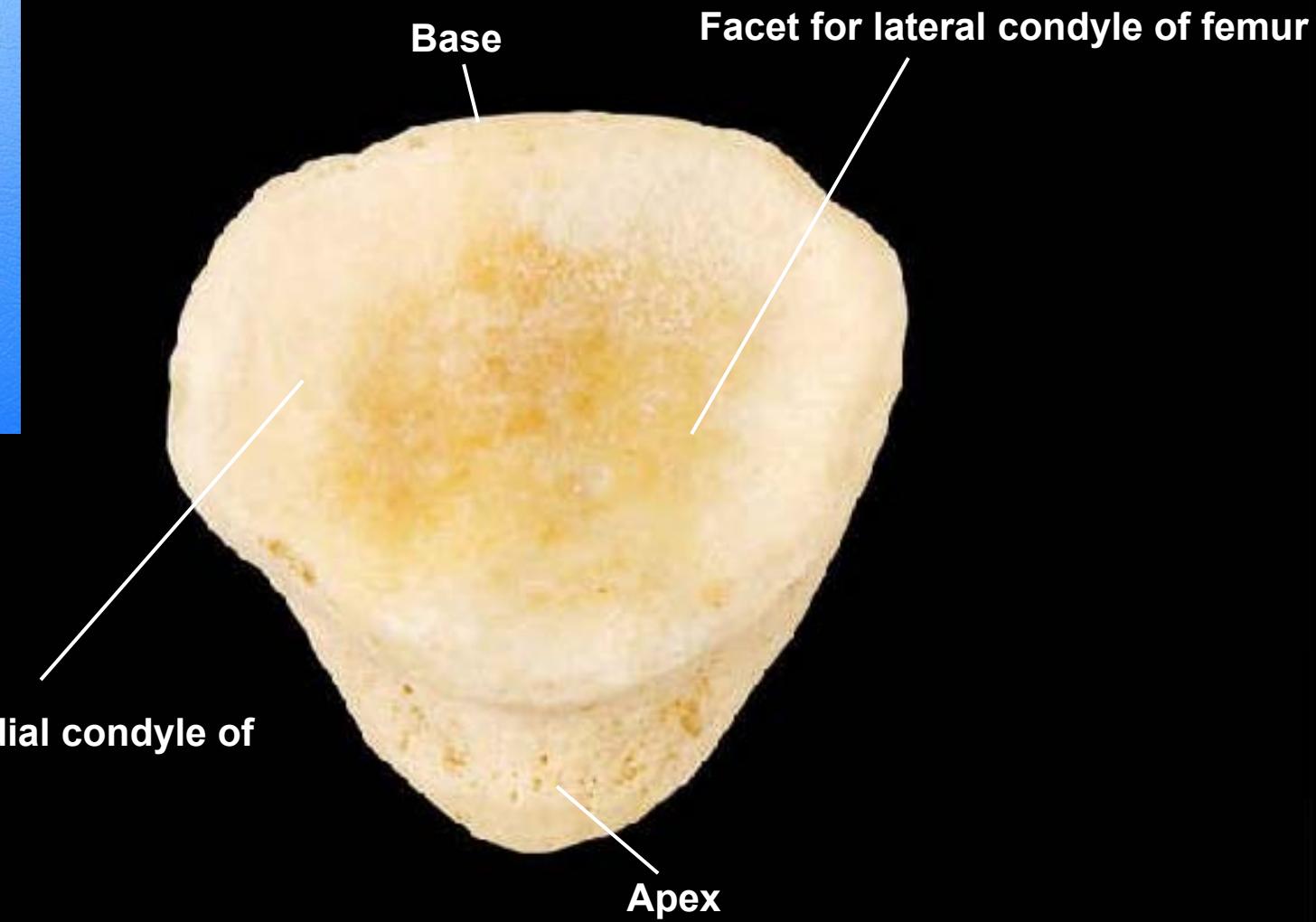


What bone this represents?

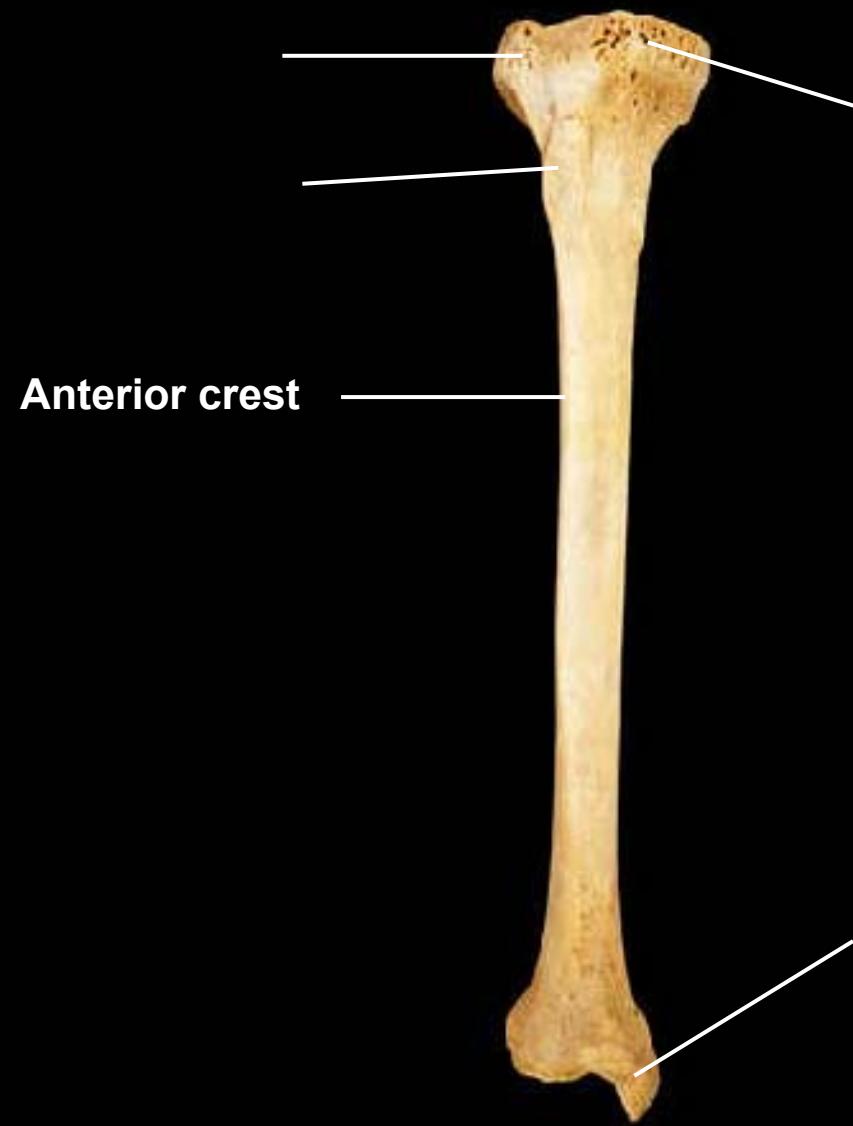




Patella, posterior view, right side



What bone this represents?

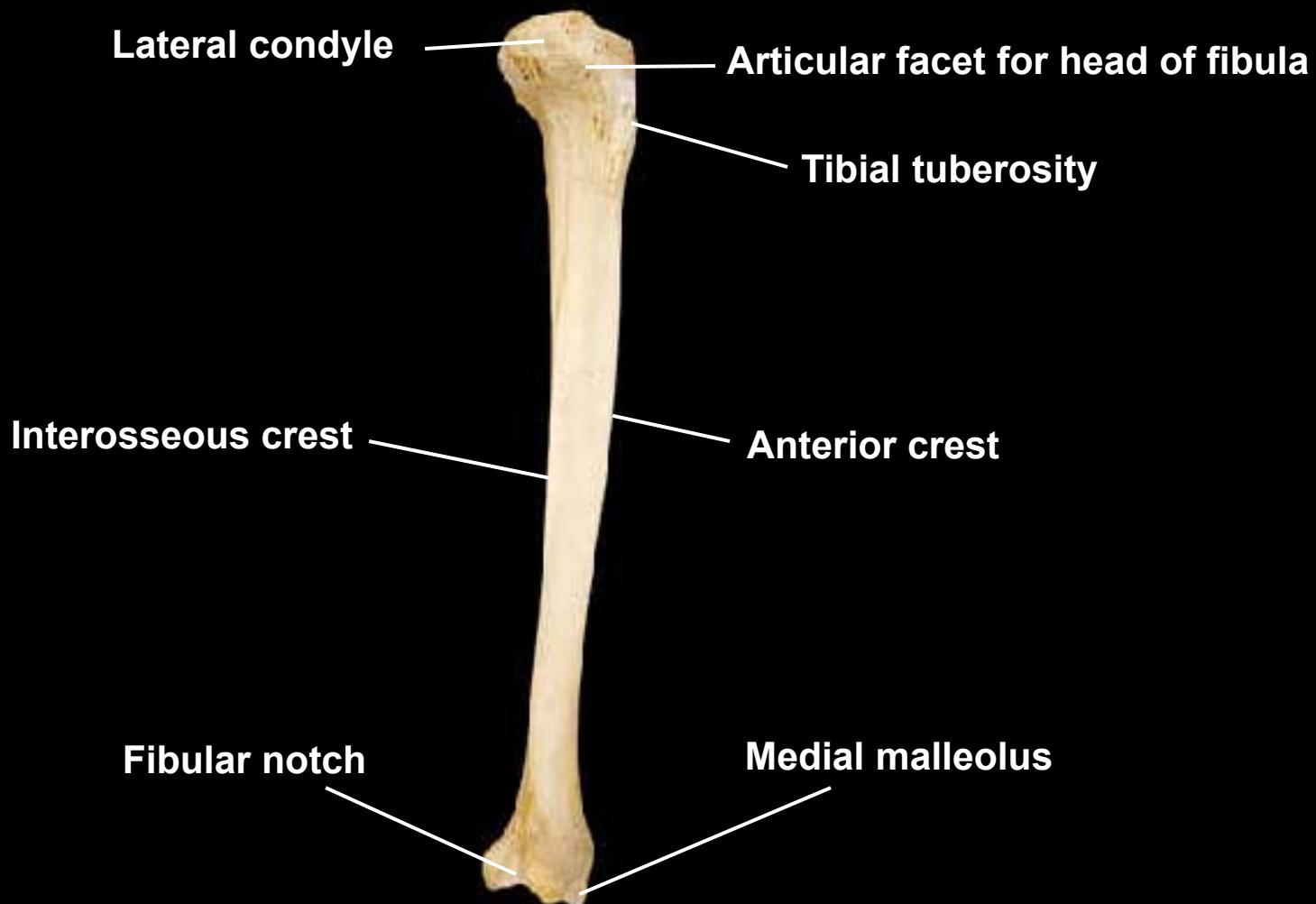
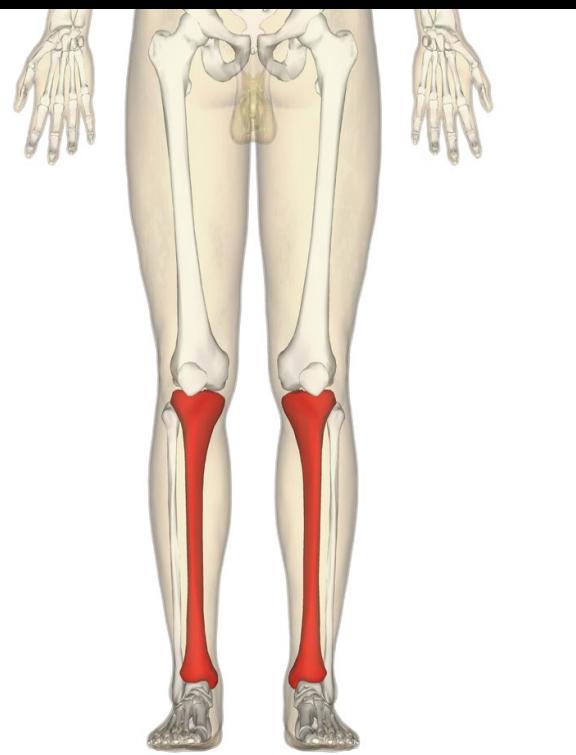


Tibia, anterior view, right side



Medial malleolus

Tibia, lateral view, right side



Tibia & fibula, posterior view, right side

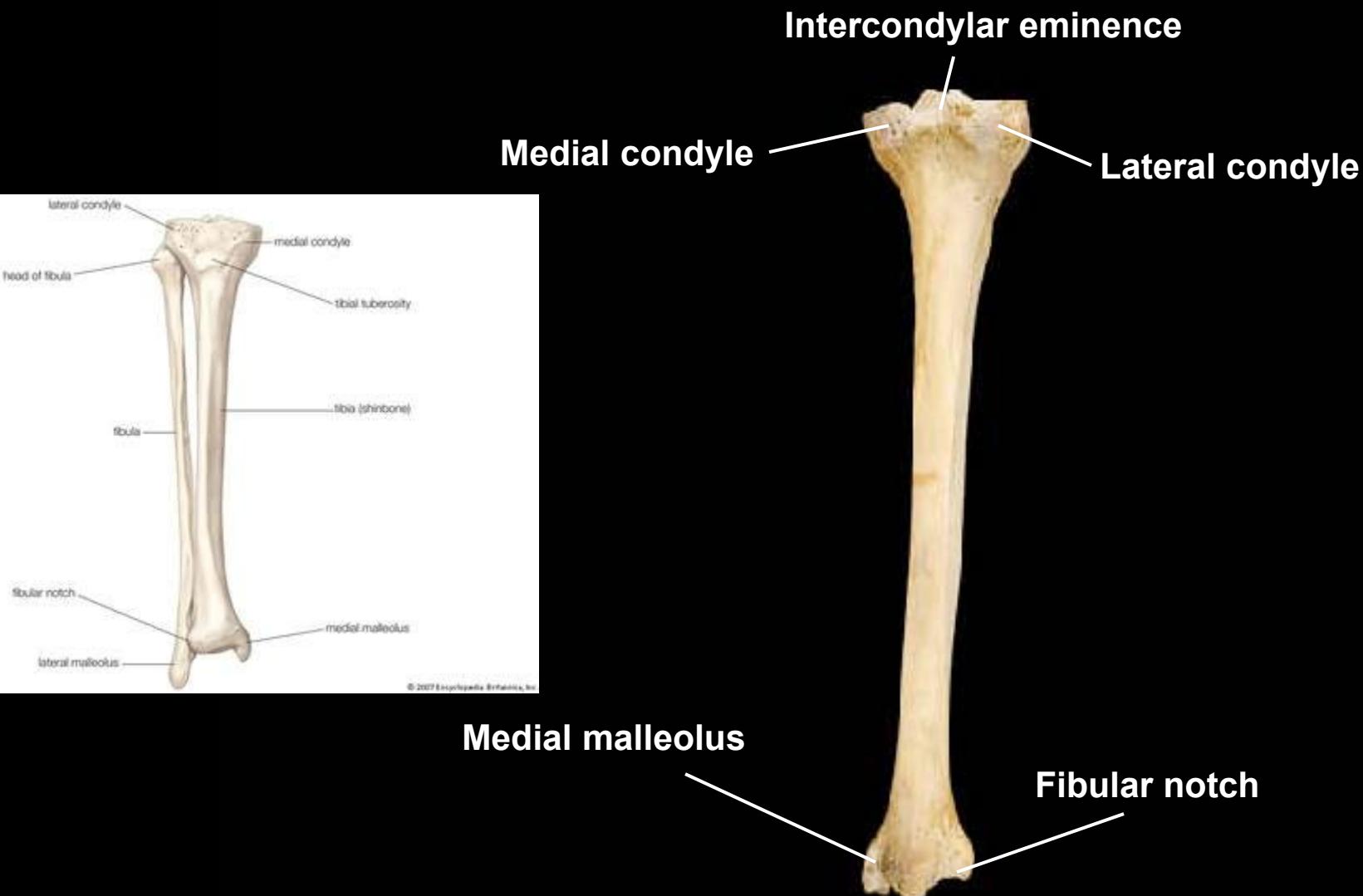


Tibia & fibula, posterior view, right side

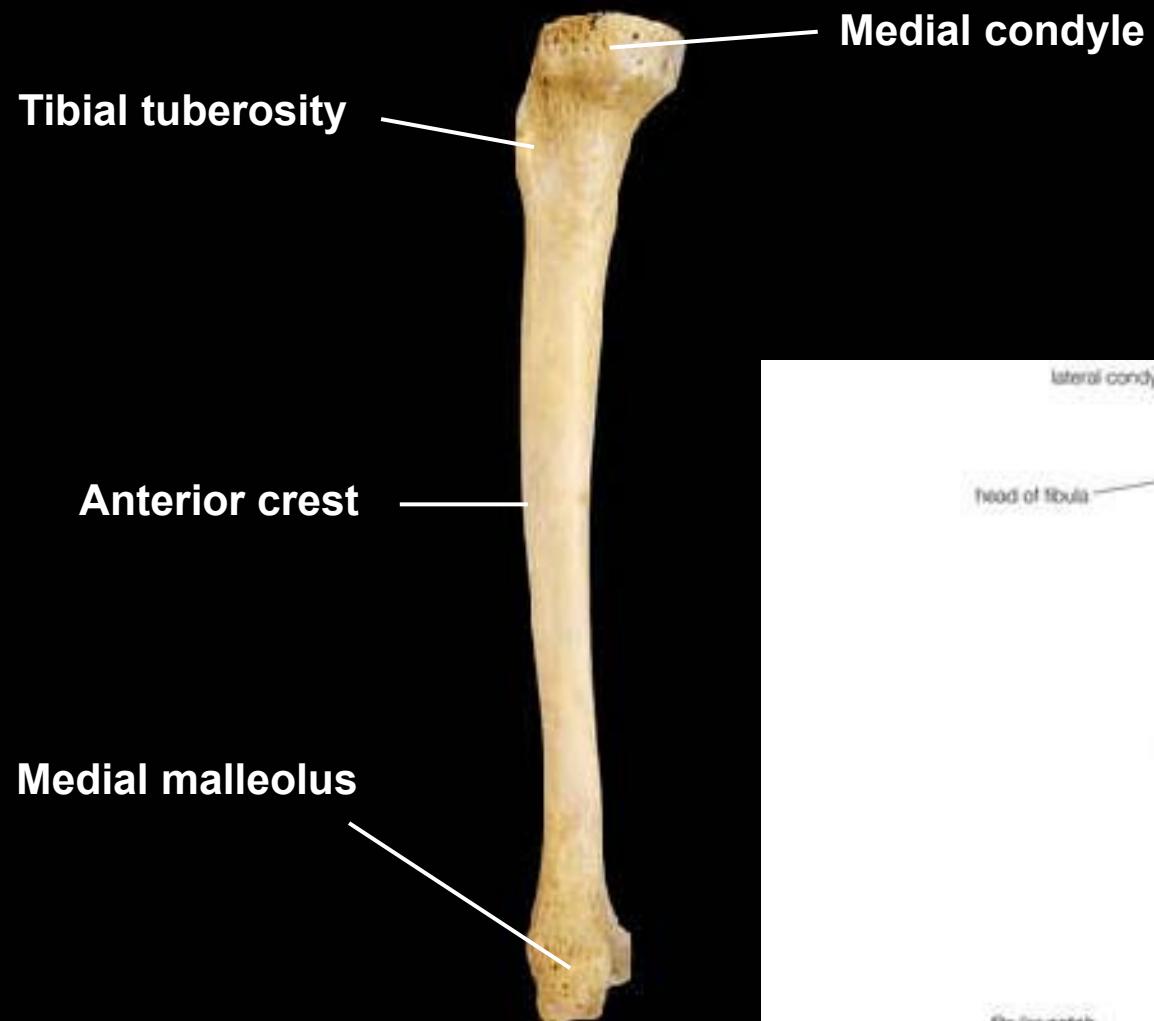
Intercondylar eminence



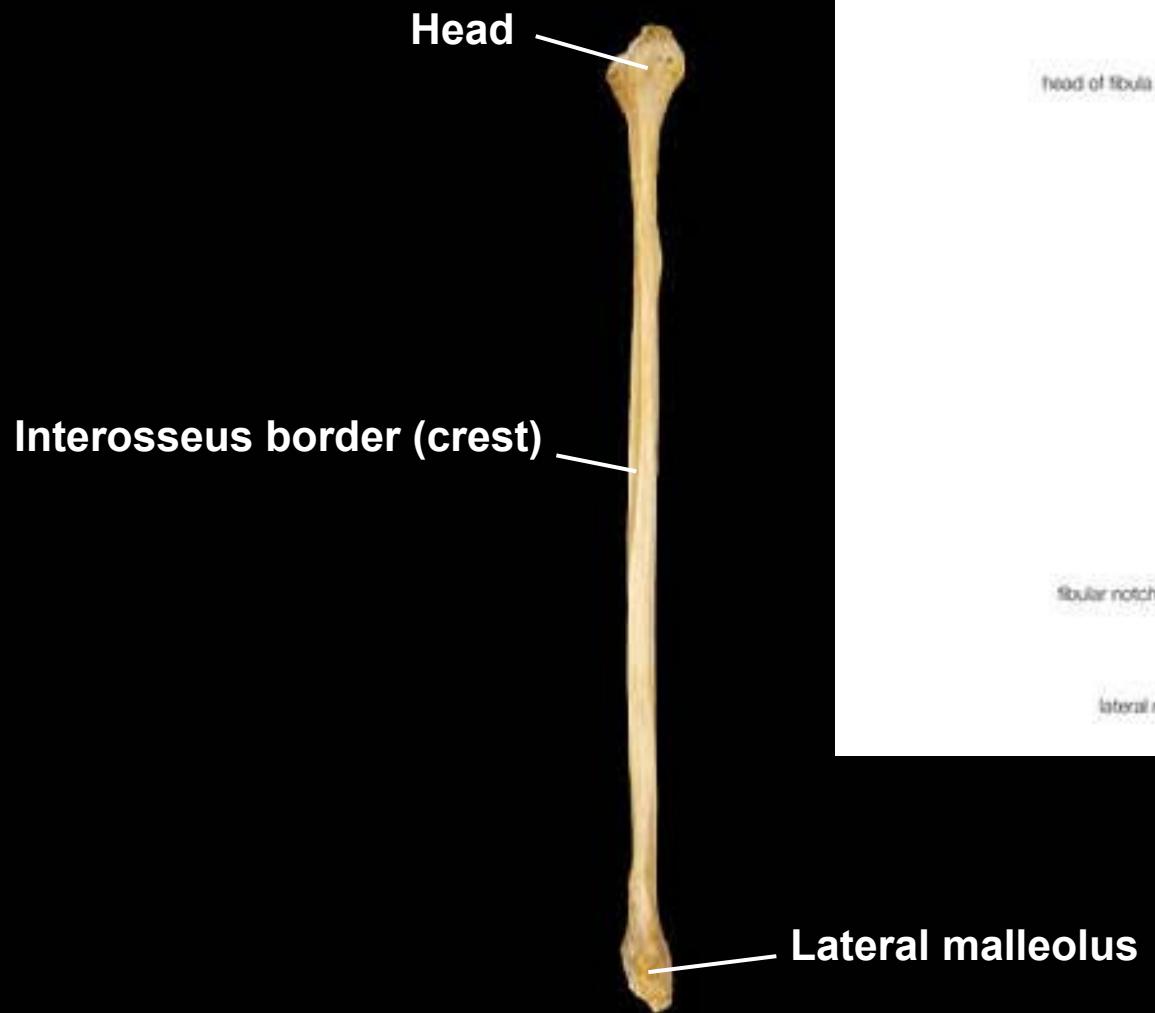
Tibia, posterior view, right side



Tibia, medial view, right side

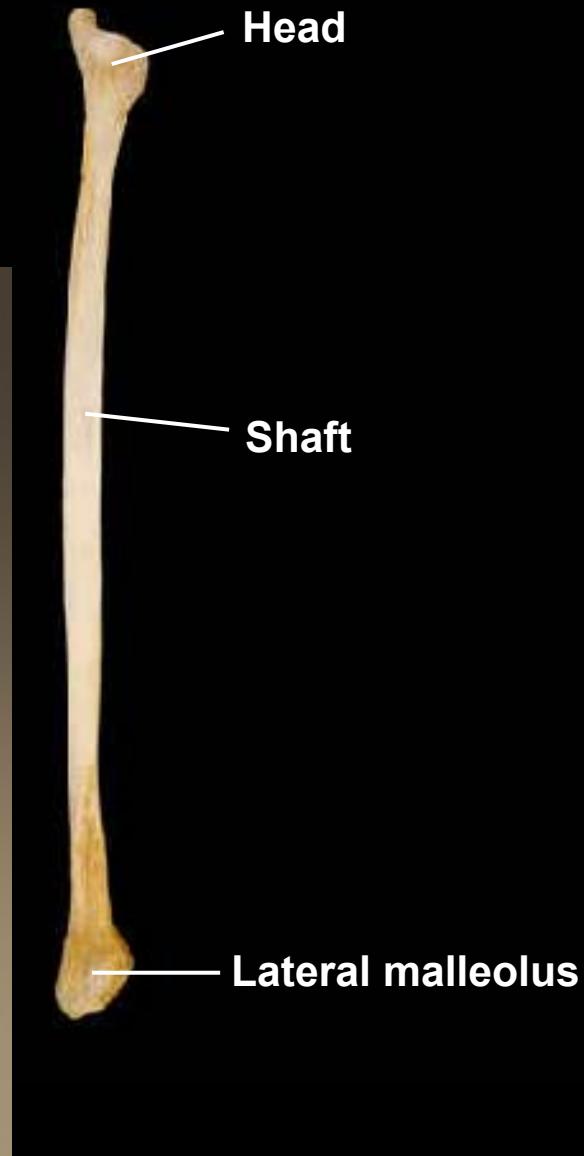


Fibula, anterior view, right side



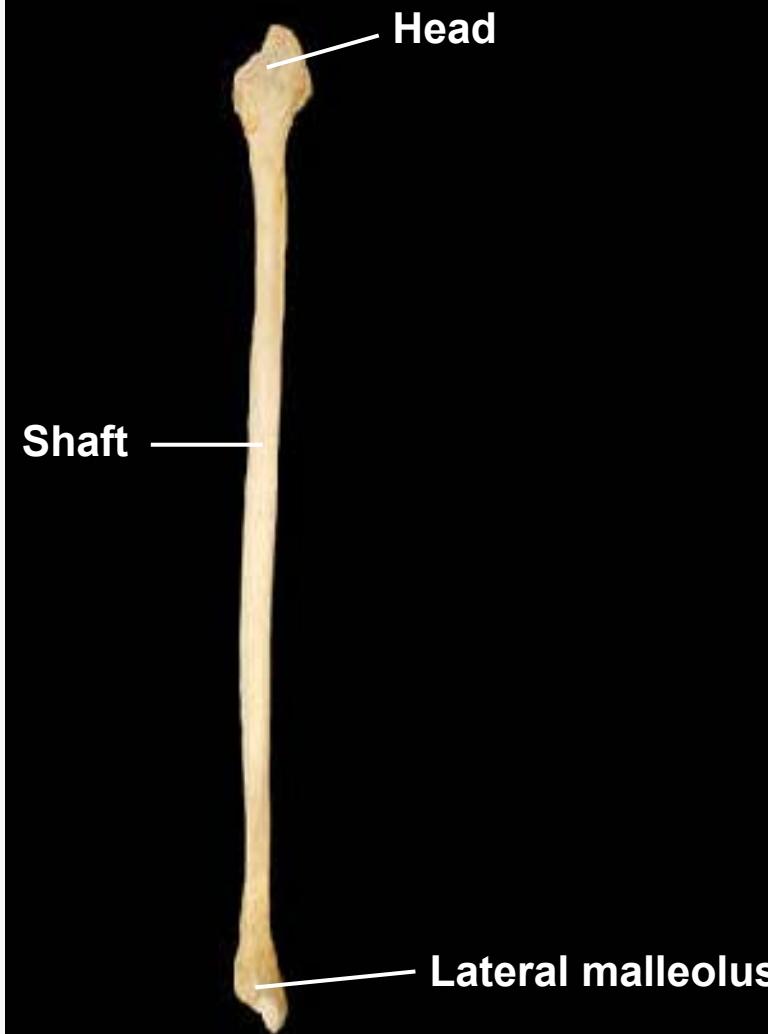
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Fibula, lateral view, right side





Fibula, posterior view, right side

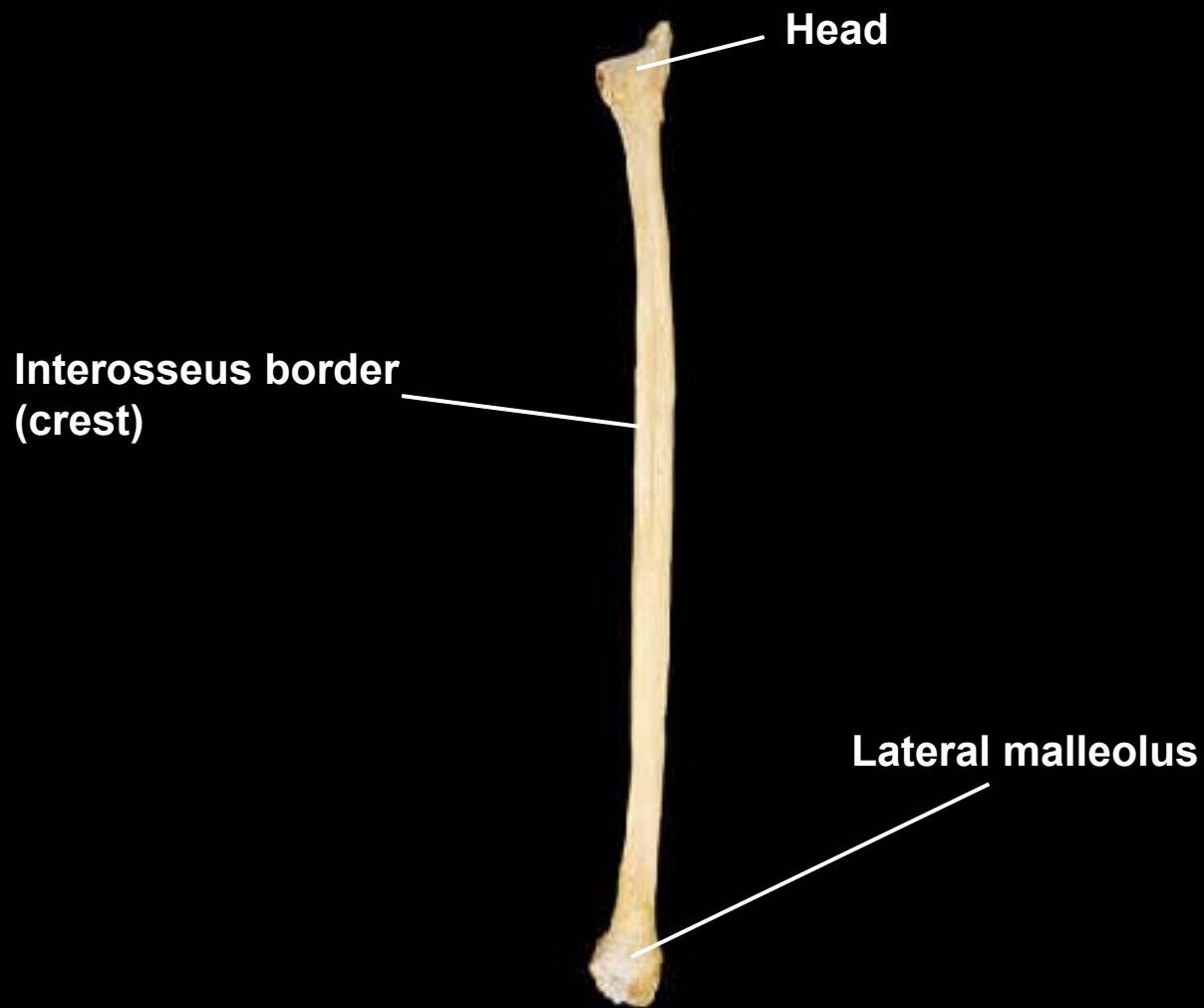


Head

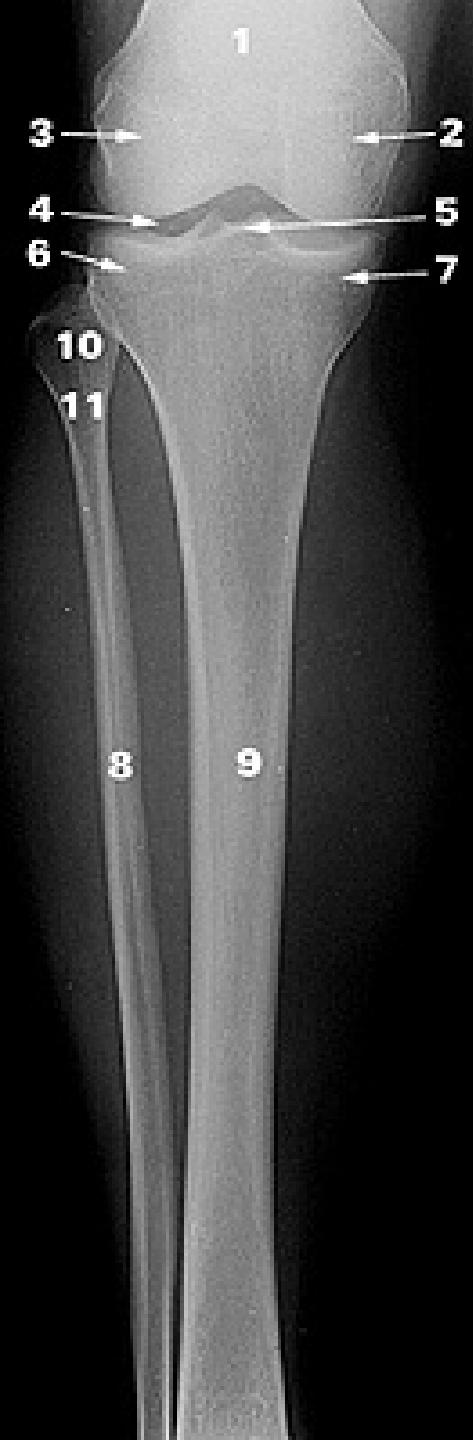
Shaft

Lateral malleolus

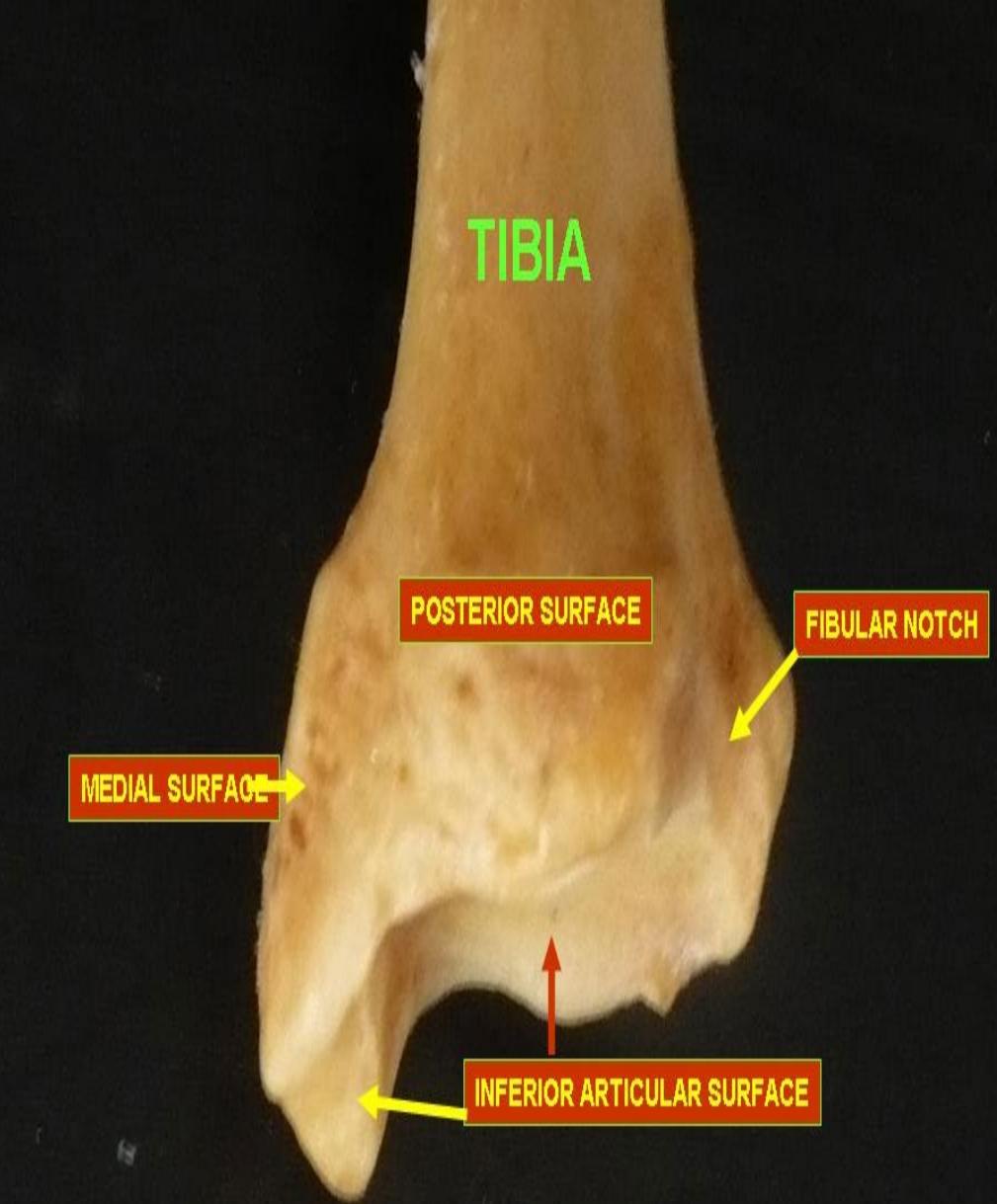
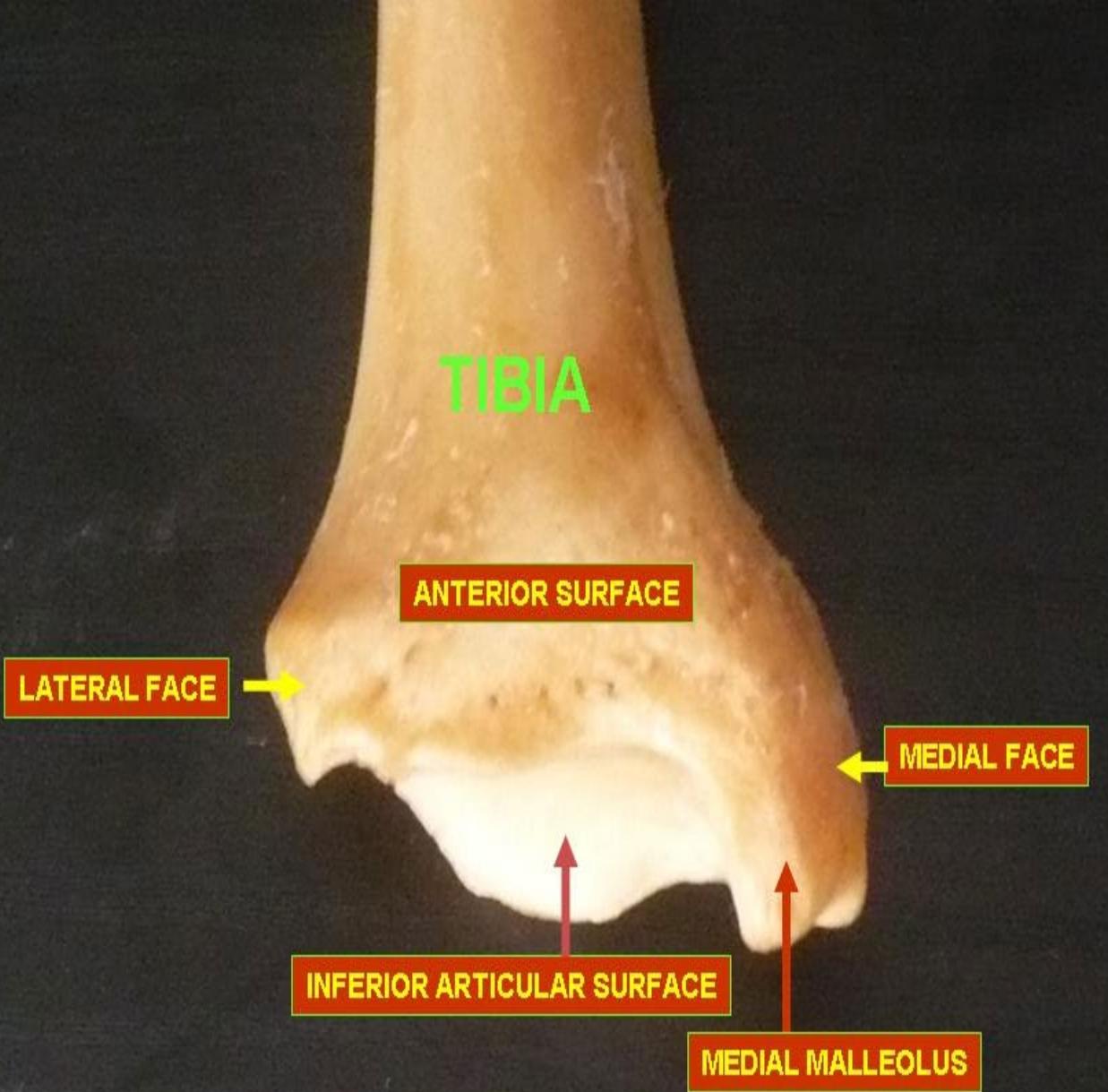
Fibula, medial view, right side







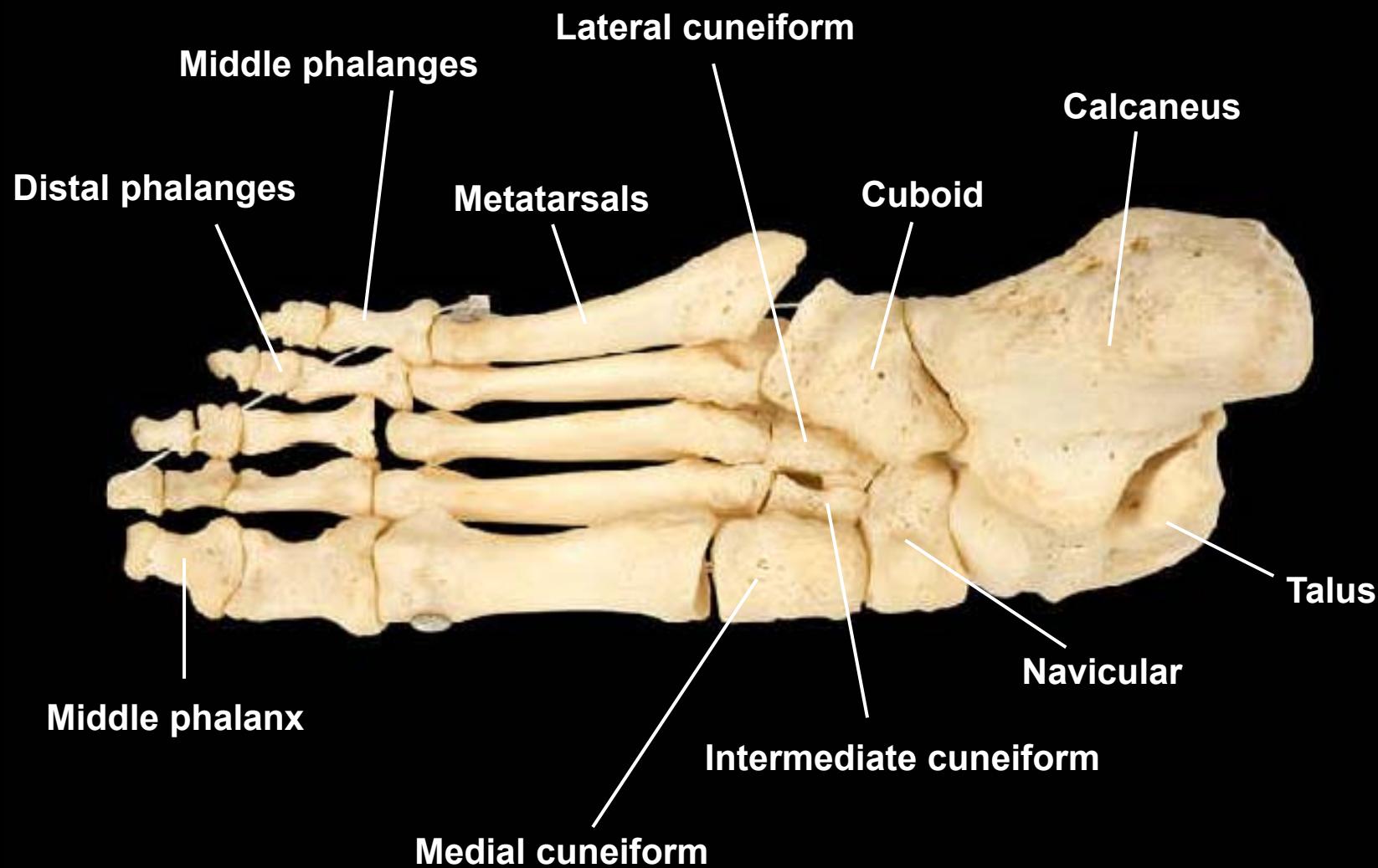
1. Femur
2. Medial condyle of femur
3. Lateral condyle of femur
4. Knee joint
5. Intercondylar eminence
6. Lateral condyle of tibia
7. Medial condyle of tibia
8. Fibula
9. Tibia
10. Head of fibula
11. Neck of fibula



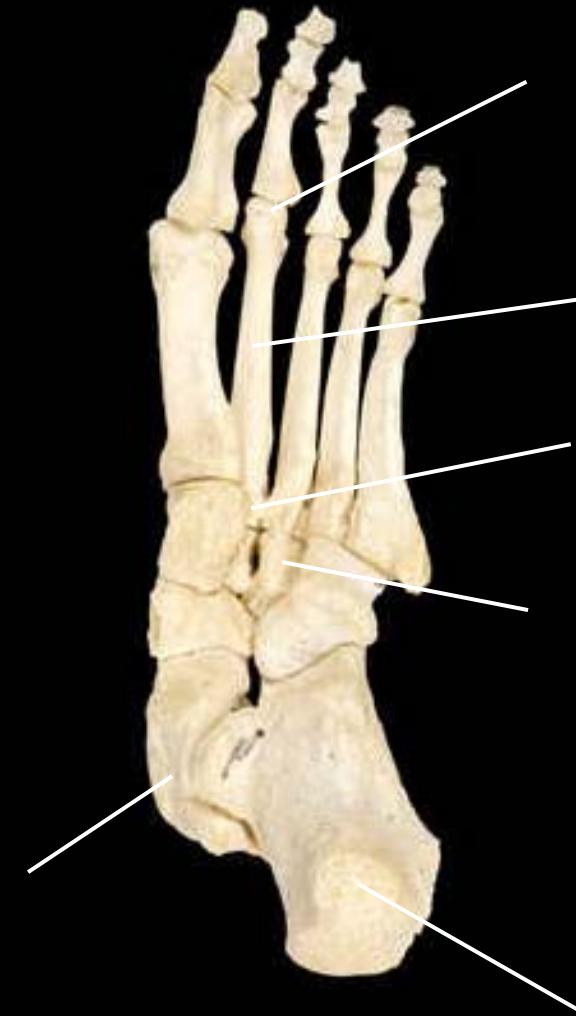
Bones of the foot, superior view, right side



Bones of the foot, inferior view, right side



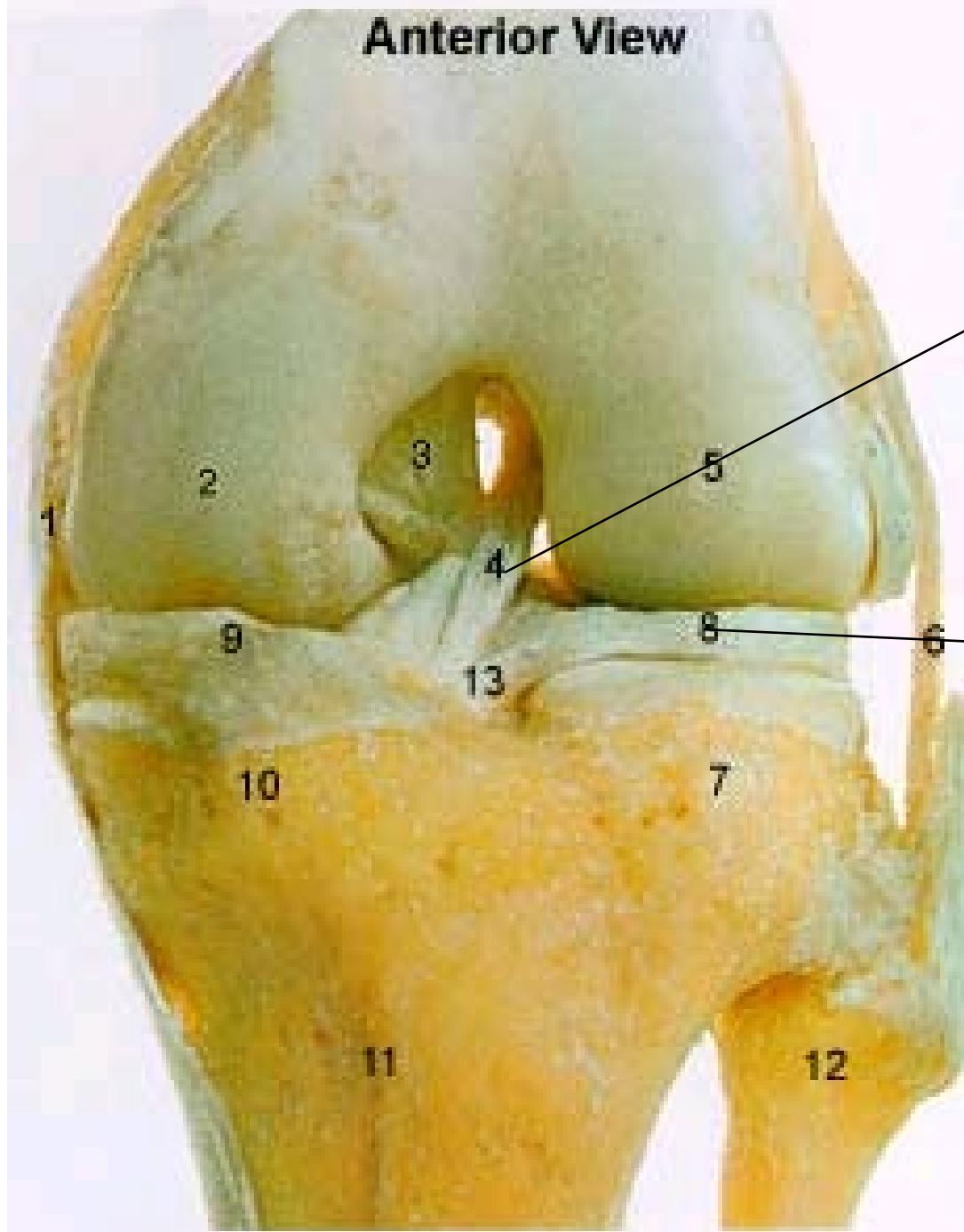
Bones of the foot, inferior view, left side



Bones of the foot, inferior view, left side



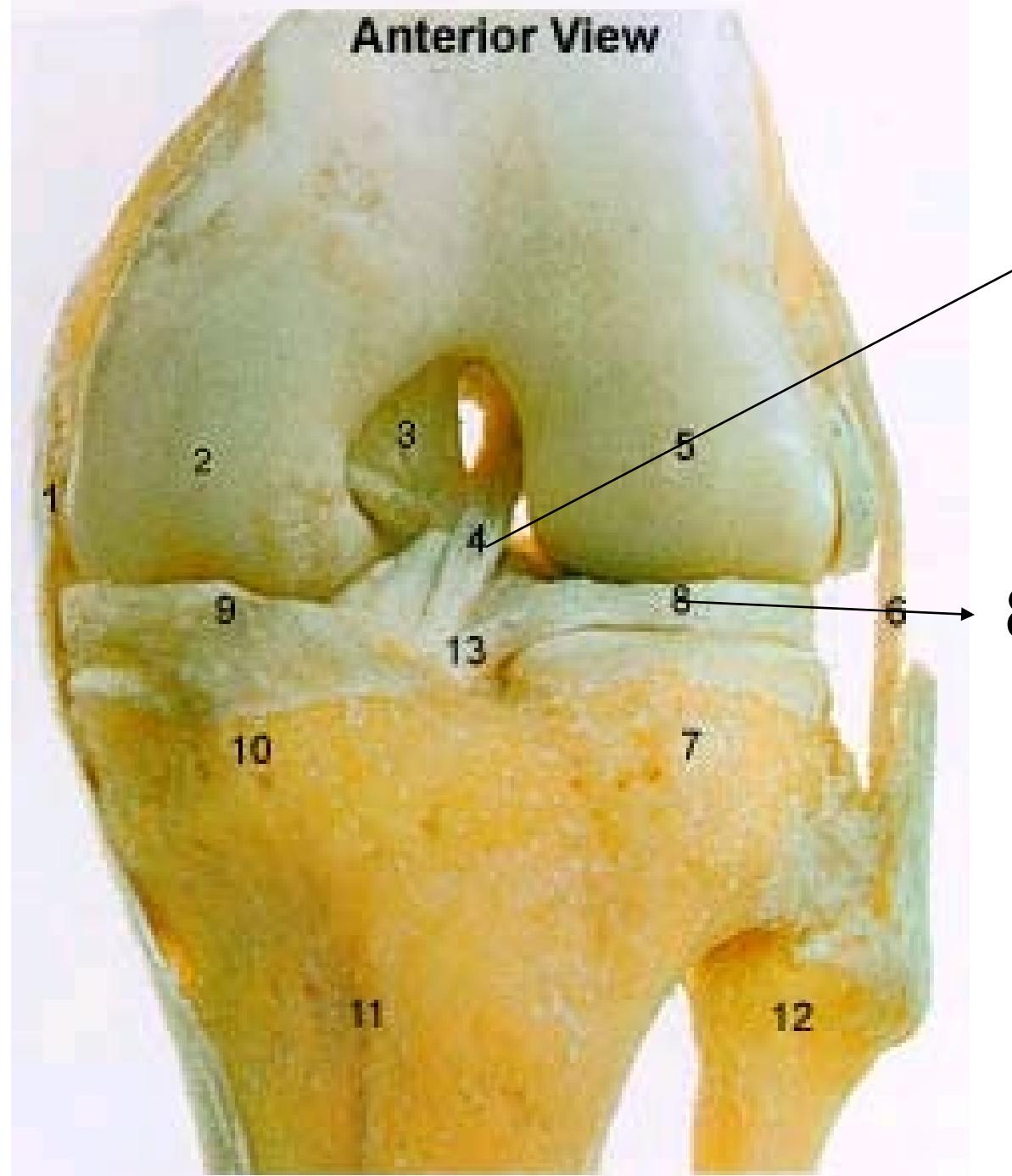
KNEE



Knee:

**Identify
structure #4**

**Identify
structure # 8**

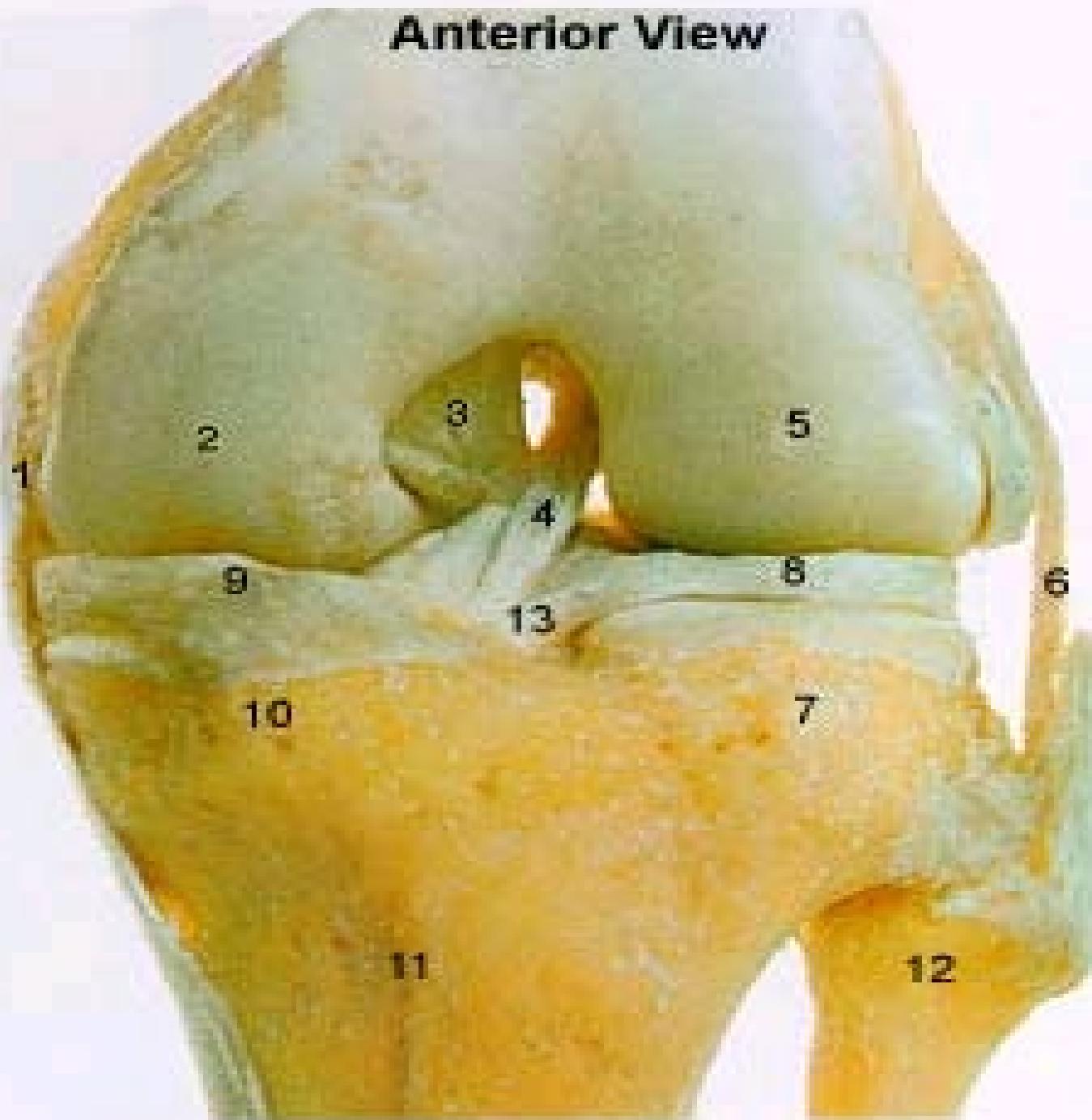


Knee:

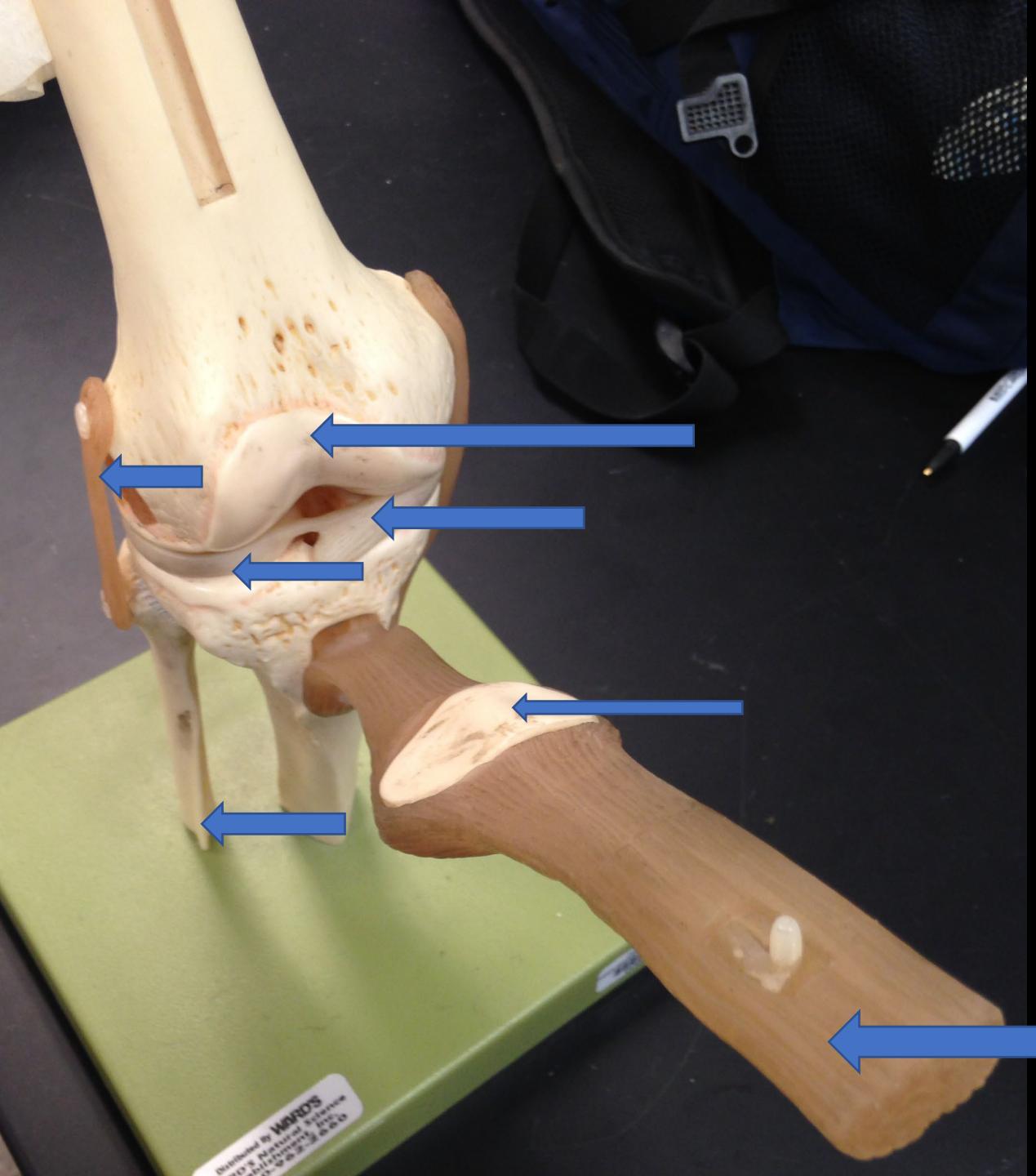
**Identify structure
#4** Anterior Cruciate Ligament

**Identify structure
8** Lateral Meniscus

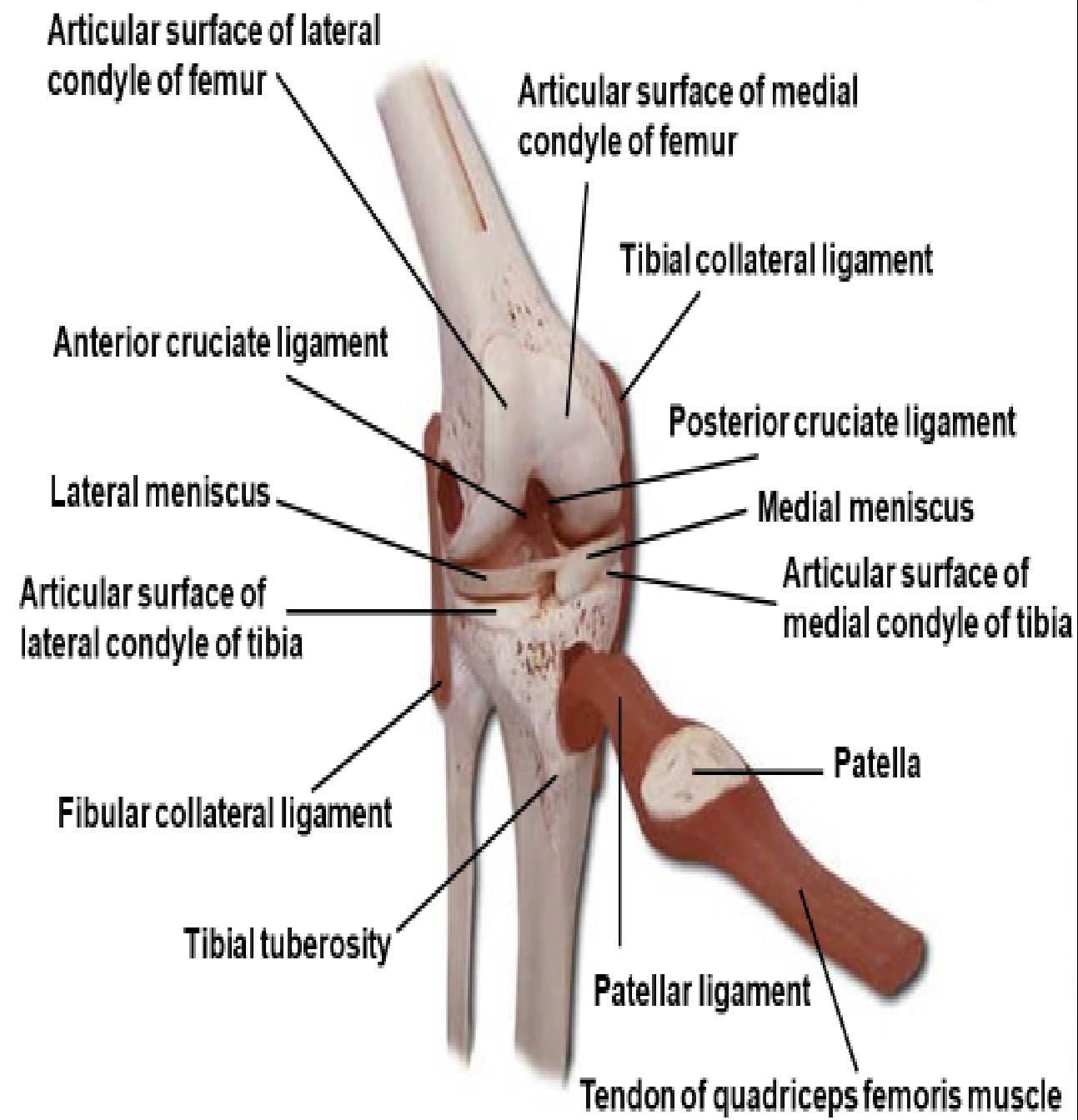
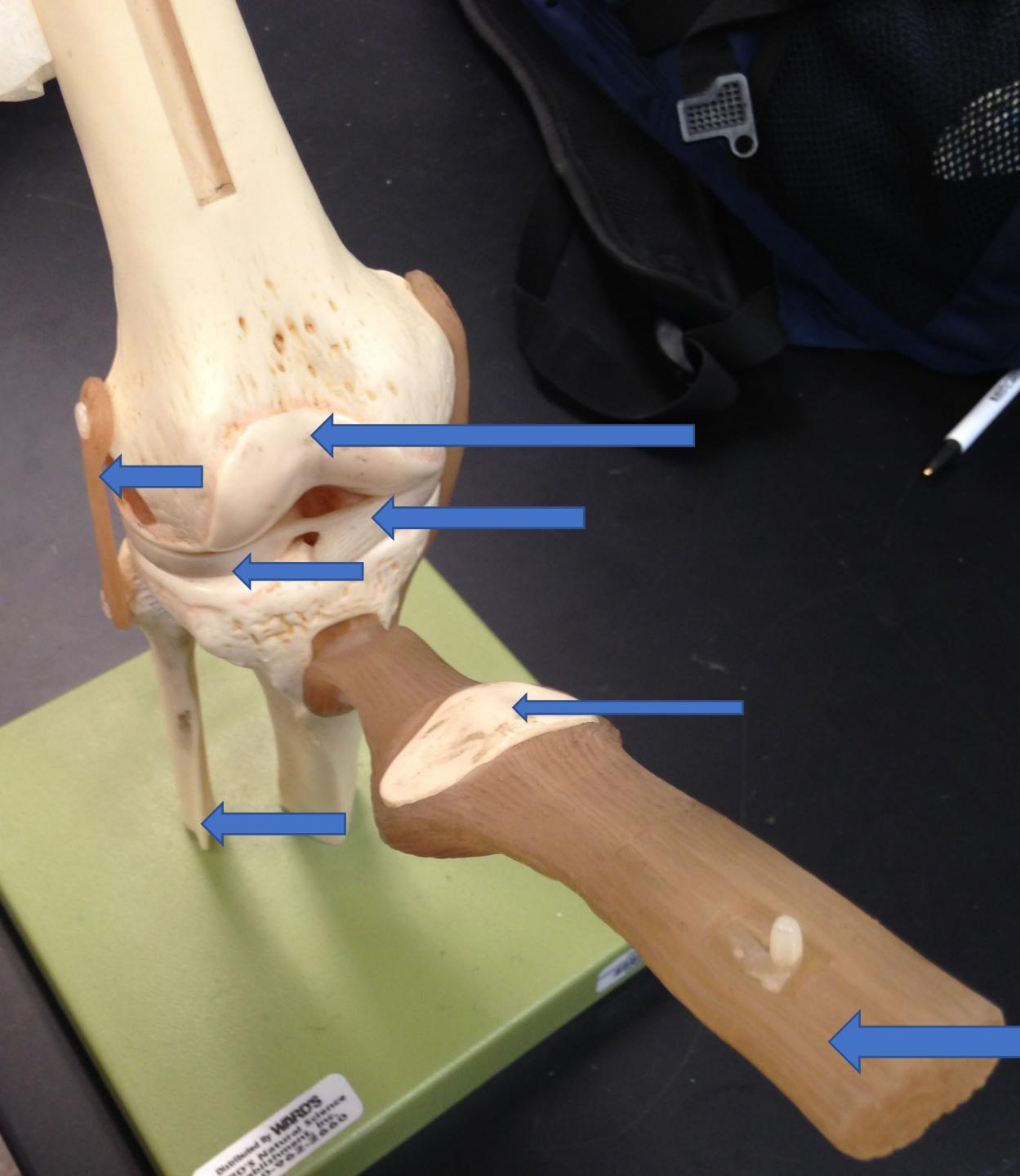
Anterior View

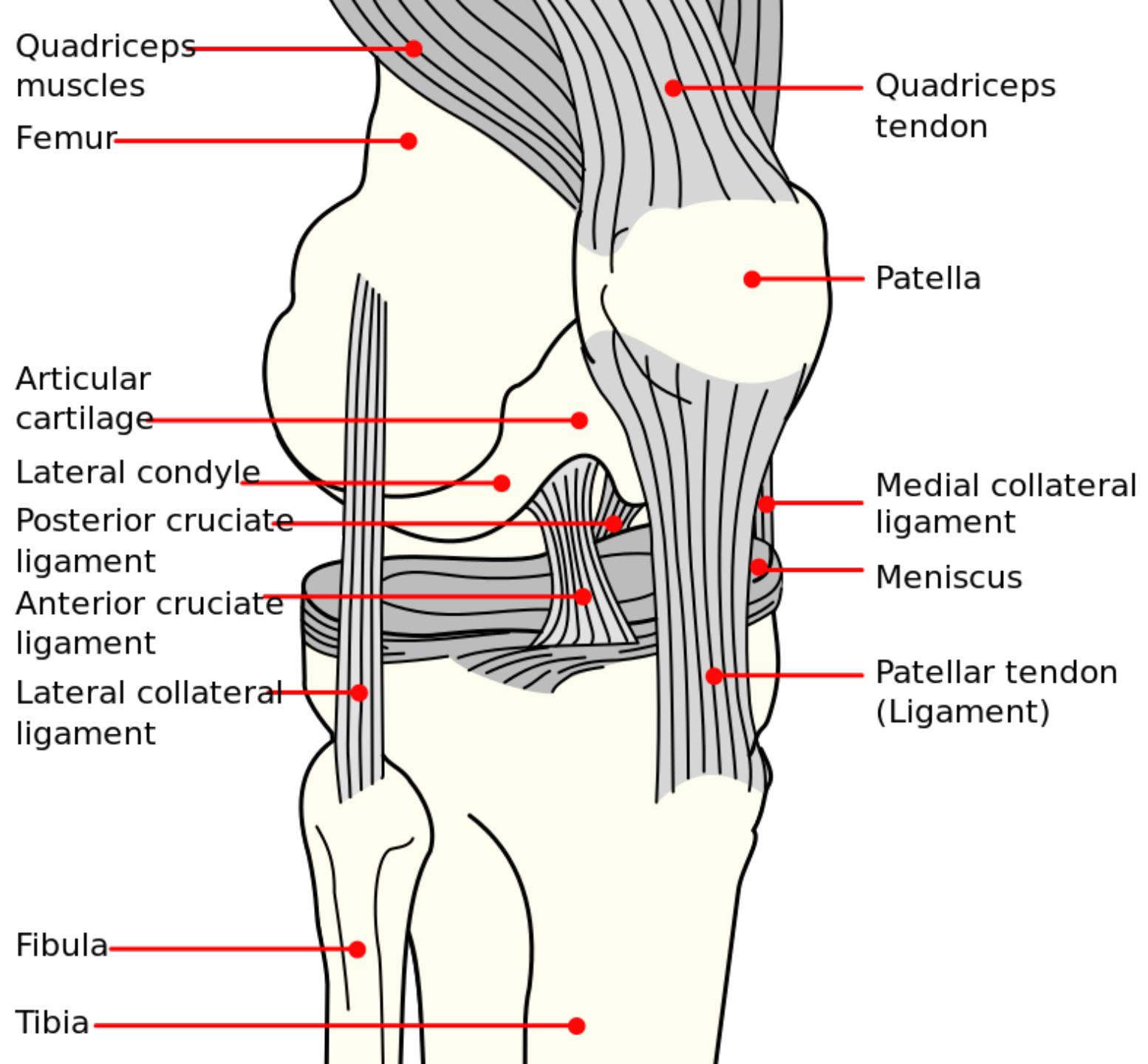


1. Tibial Collateral Ligament
2. Medial Condyle of Femur
3. Posterior Cruciate Ligament
4. Anterior Cruciate Ligament
5. Lateral Condyle of Femur
6. Fibular Collateral Ligament
7. Lateral Condyle of Tibia
8. Lateral Meniscus
9. Medial Meniscus
10. Medial Condyle of Tibia
11. Tibia
12. Fibula
13. Transverse Ligament

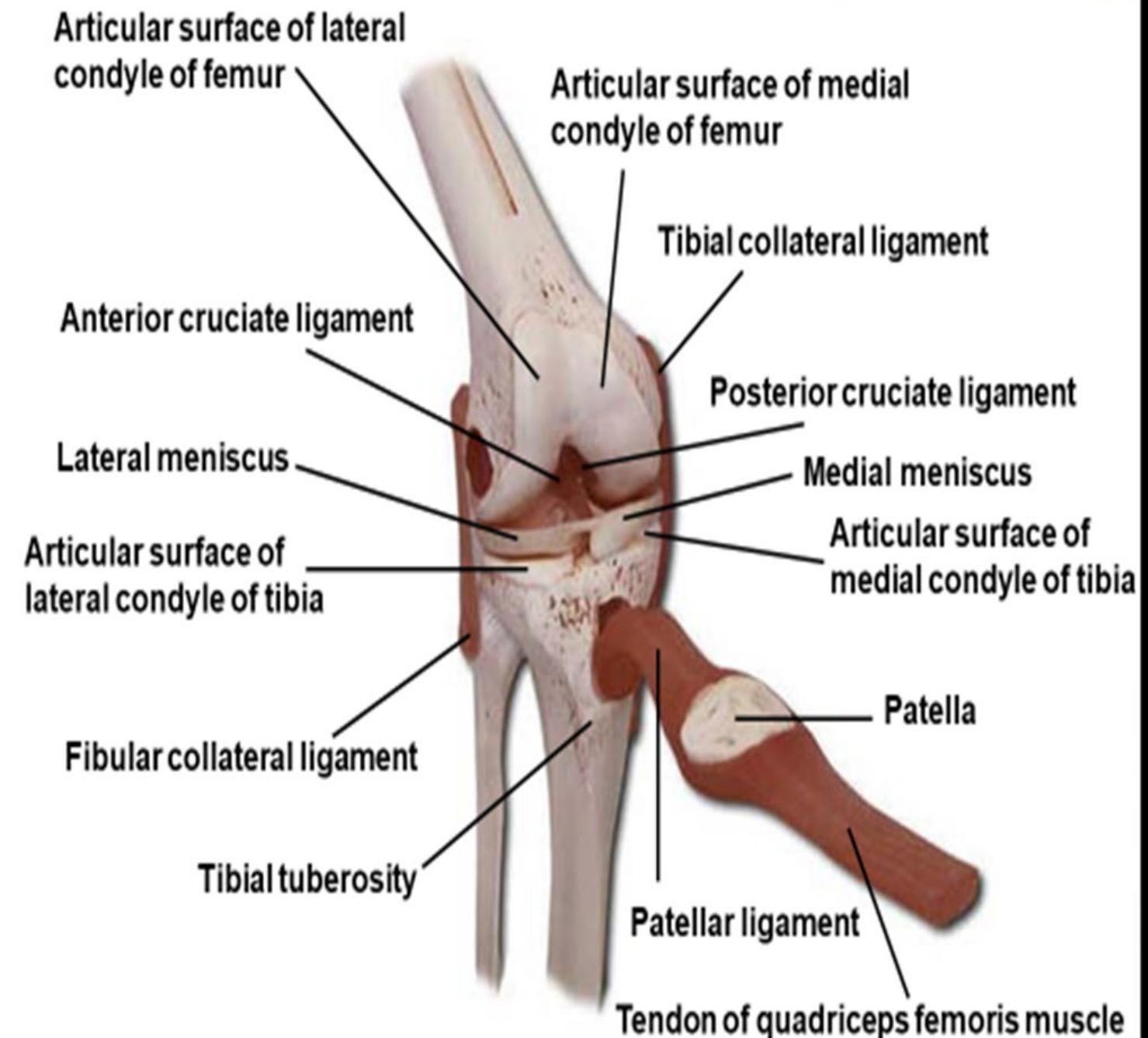


Knee joint, anterior view

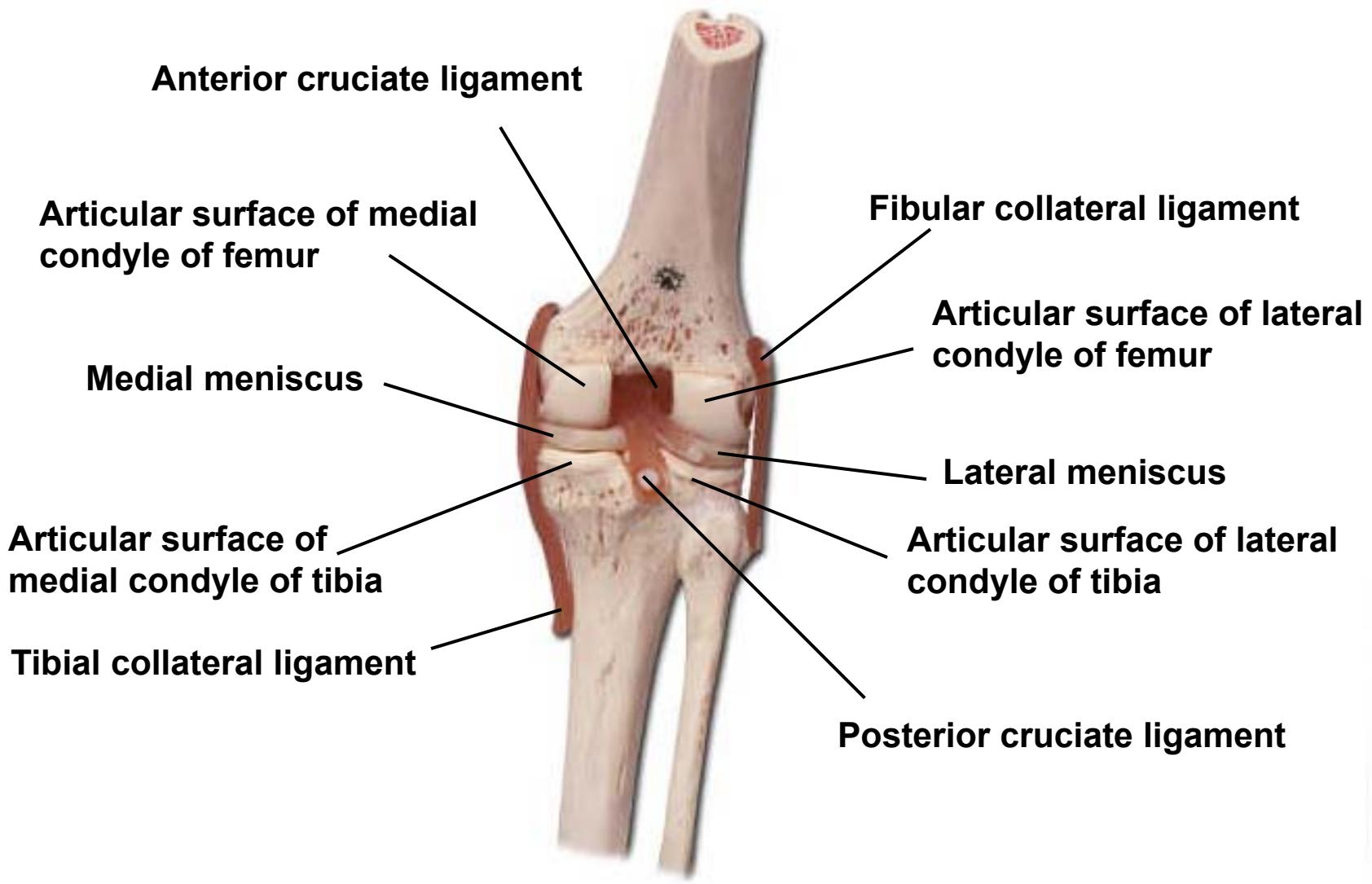




Knee joint, anterior view



Knee joint, posterior view



Knee joint, anterior view

