

Bones of Leg

(indicate the listed structures on the following pictures)

Tibia

1. body of tibia, *corpus tibiae*;
2. lateral condyle, *condylus lateralis*;
3. medial condyle, *condylus medialis*;
4. superior articular surface, *facies articularis superior*;
5. intercondylar eminence, *eminentia intercondylaris*;
6. fibular articular facet, *facies articularis fibularis*;
7. anterior border, *margo anterior*;
8. medial border, *margo medialis*;
9. interosseous border, *margo interosseus*;
10. tibial tuberosity, *tuberositas tibiae*;
11. soleal line, *linea m. solei*;
12. inferior articular surface, *facies articularis inferior*;
13. fibular notch, *incisura fibularis*;
14. medial malleolus, *malleolus medialis*;
15. articular facet of medial malleolus, *facies articularis malleoli medialis*;

Fibula

16. body of fibula, *corpus fibulae*;
17. head of fibula, *caput fibulae*;
18. apex of head, *apex capitis fibulae*;
19. neck of fibula, *collum fibulae*;
20. anterior border, *margo anterior*;
21. posterior border, *margo posterior*;
22. interosseous border, *margo interosseus*;
23. lateral malleolus, *malleolus lateralis*;
24. malleolar fossa, *fossa malleoli lateralis*



Right tibia and fibula
(anterior aspect)

Right tibia and fibula
(posterior aspect)

Bones of Foot

(indicate the listed structures on the following pictures)

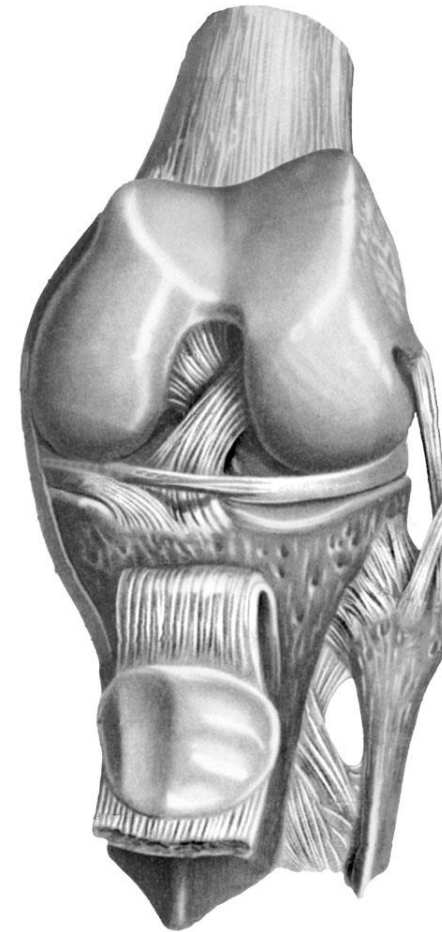
1. tarsal bones, *ossa tarsi*;
2. metatarsal bones, *ossa metatarsi*;
3. phalanges, *phalanges digitorum pedis*;
4. talus, *talus*;
5. head of talus, *caput tali*;
6. neck of talus, *collum tali*;
7. trochlea of talus, *trochlea tali*;
8. posterior process of talus, *processus posterior tali*;
9. lateral process of talus, *processus lateralis tali*;
10. groove for tendon of flexor hallucis longus, *sulcus tendinis m. flexoris hallucis longi*;
11. lateral tubercle of talus, *tuberculum laterale*;
12. medial tubercle of talus, *tuberculum mediale*;
13. calcaneus, *calcaneus*;
14. calcaneal tuberosity, *tuber calcanei*;
15. sustentaculum tali (talar shelf), *sustentaculum tali*;
16. navicular bone, *os naviculare*;
17. middle cuneiform bone, *os cuneiforme mediale*;
18. intermediate cuneiform bone, *os cuneiforme intermedium*;
19. lateral cuneiform bone, *os cuneiforme laterale*;
20. cuboid bone, *os cuboideum*;
21. body of metatarsal bone, *corpus ossis metatarsi*;
22. head of metatarsal bone, *caput ossis metatarsi*;
23. base of metatarsal bone, *basis ossis metatarsi*;
24. tuberosity of the V metatarsal bone, *tuberositas ossis metatarsi V*;
25. proximal phalanx, *phalanx proximalis*;
26. middle phalanx, *phalanx media*;
27. distal phalanx, *phalanx distalis*.



Right foot
(dorsal surface)

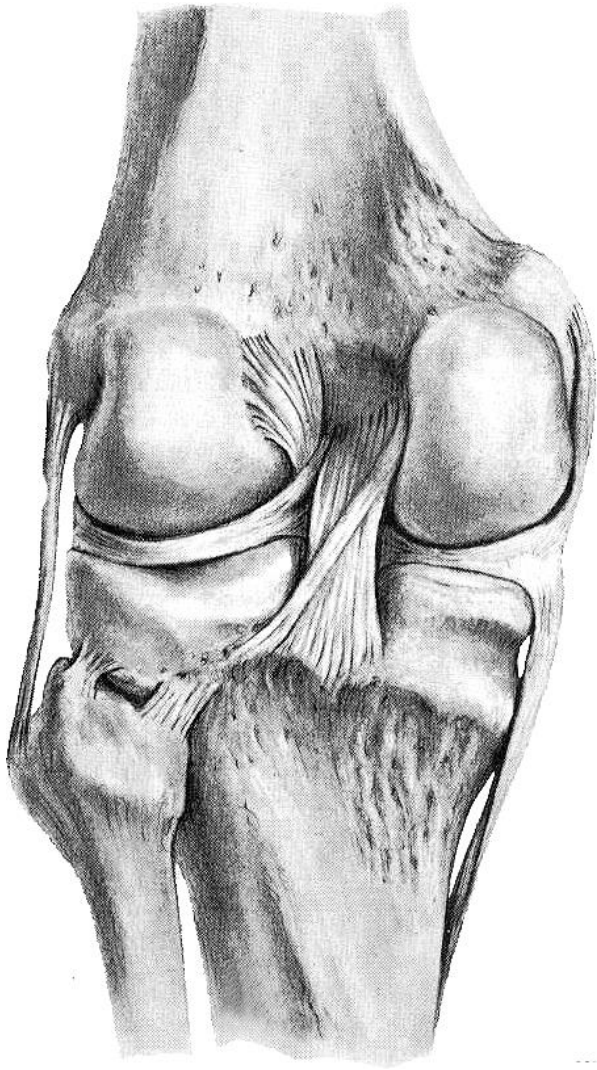
Indicate the list on the pictures.

1. medial meniscus, *meniscus medialis*;
2. lateral meniscus, *meniscus lateralis*;
3. transverse genual ligament, *ligamentum transversum genus*;
4. anterior cruciate ligament, *ligamentum cruciatum anterius*;
5. posterior cruciate ligament, *ligamentum cruciatum posterius*;
6. anterior meniscomfemoral ligament, *ligamentum meniscomfemorale anterius*;
7. posterior meniscomfemoral ligament, *ligamentum meniscomfemorale posterius*;
8. patellar ligament, *ligamentum patellae*;
9. fibular collateral ligament, *ligamentum collaterale fibulare*;
10. tibial collateral ligament, *ligamentum collaterale tibiale*;
11. suprapatellar bursa, *bursa suprapatellaris*;
12. deep infrapatellar bursa, *bursa infrapatellaris profunda*;
13. subcutaneous prepatellar bursa, *bursa prepatellaris subcutanea*;
14. tibiofibular joint, *articulatio tibiofibularis*;
15. anterior ligament of fibular head, *ligamentum capitis fibulae anterius*;
16. posterior ligament of fibular head, *ligamentum capitis fibulae posterius*;
17. interosseous membrane of leg, *membrana interossea cruri*;

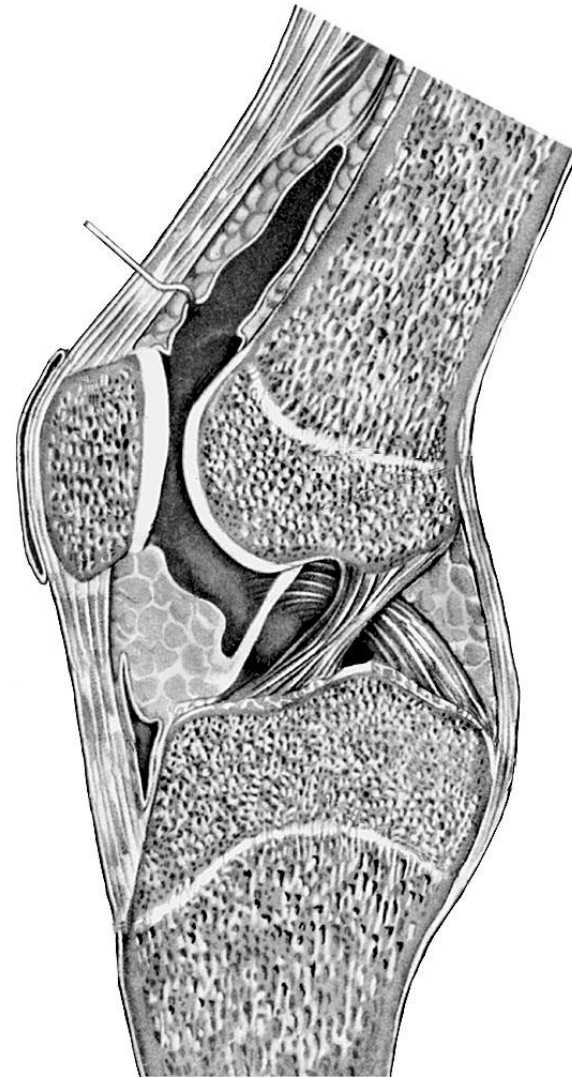


Left knee joint

(anterior aspect)

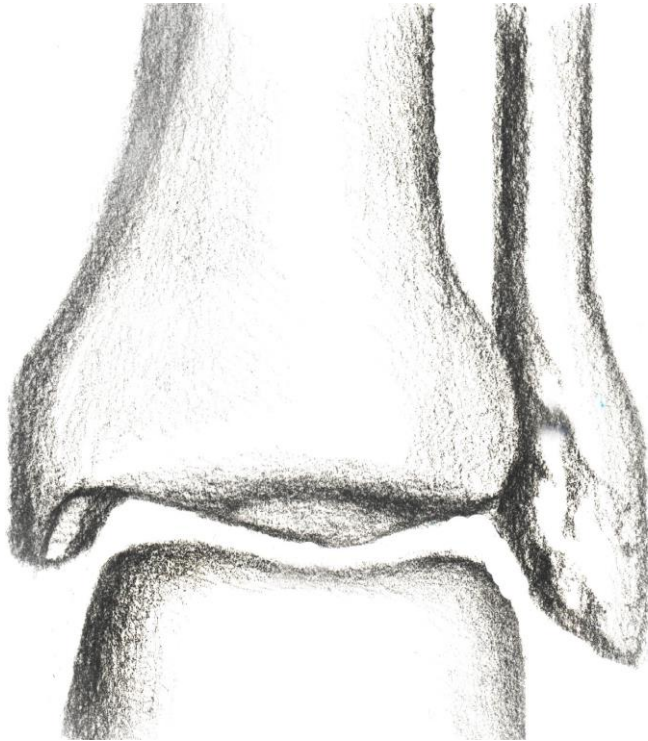


**Left knee joint
(posterior aspect)**



**Left knee joint
(sagittal section)**

Using the color, indicate the areas of articular surfaces of the talocrural joint on the pictures, and write the names of articular surfaces.



**Left talocrural joint
(anterior aspect)**



**Frontal radiograph of left
talocrural joint**

**Describe the talocrural joint
in accordance with the following points**

1. The names of articular surfaces of the joint:

2. The characteristic of the joint according to Classifications of Synovial Joints:

- based on the numbers of the articular surfaces (*simple or compound*):

- based on the numbers of the axes of movements (*uni-axial, bi-axial or multi-axial*) and shape of articular surfaces:

- based on the simultaneous joint function (*combined or not combined*):

3. The movements at the joint:

4. The ligaments reinforcing the joint:

Complete the table.
JOINTS OF FOOT

	Names of articular surfaces	Number of articular surfaces	Shape of articular surfaces and number of axes of movements	Sumultaneous joint function	Movements
Subtalar joint				Combined with talocalcaneonavicular joint	
Talocalcaneonavicular joint					Rotation (pronation and supination)
Calcaneocuboid joint			Saddle joints		
Cuneonavicular joint		Compound joint			
Tarsometatarsal joint I	Middle cuneiform bone and I metatarsal bone				
Tarsometatarsal joint II					Amphiarthrosis

Tarsometatarsal joint III				Combined with II and III tarsometatarsal joints	
Metatarsophalangeal joints			Spheroidal joints		
Interphalangeal joints		Simple joints			

Indicate the list on the picture.

1. talocrural joint, *articulatio talocruralis*;
2. medial collateral (deltoid) ligament, *ligamentum collaterale mediale (deltoideum)*;
3. posterior talofibular ligament, *ligamentum talofibulare posterius*;
4. subtalar joint, *articulatio subtalaris*;
5. talocalcaneonavicular joint, *articulatio talocalcaneonavicularis*;
6. calcaneocuboid joint, *articulatio calcaneocuboidea*;
7. transverse tarsal joint, *articulatio tarsi transversa* (the joint of Chopart);
8. bifurcated ligament, *ligamentum bifurcatum*;
9. cuneonavicular joint, *articulatio cuneonavicularis*;
10. tarsometatarsal joints, *articulationes tarsometatarsales*;
11. intermetatarsal joints, *articulationes intermetatarsae*;
12. metatarsophalangeal joints, *articulationes metatarsophalangeae*;
13. collateral ligaments, *ligamenta collateralia*;
14. interphalangeal joints, *articulationes interphalangeae*;



Joints of foot

(frontal section)

Indicate the ligaments reinforcing the talocrural joint and joints of the foot, on the pictures, and write the names of the ligaments.



**Ligaments of right foot
(dorsal surface)**



**Ligaments of right foot
(plantar surface)**

