

Bones of Forearm

(indicate the listed structures on the following pictures)

1. ulnar, *ulna*;
2. radius, *radius*;
3. interosseous space, *spatium interosseum antebrachii*;
4. interosseous borders of radius and ulna, *margo interosseus*;
5. anterior borders of radius and ulna, *margo anterior*;
6. posterior borders of radius and ulna, *margo posterior*;

Ulna

7. trochlear notch, *incisura trochlearis*;
8. coronoid process, *processus coronoideus*;
9. olecranon, *olecranon*;
10. radial notch, *incisura radialis*;
11. tuberosity of ulna, *tuberositas ulnae*;
12. head of ulna, *caput ulnae*;
13. articular circumference, *circumferentia articularis*;
14. ulnar styloid process, *processus styloideus ulnae*;

Radius

15. head of radius, *caput radii*;
16. articular circumference, *circumferentia articularis*;
17. neck of the radius, *collum radii*;
18. radial tuberosity, *tuberositas radii*;
19. ulnar notch, *incisura ulnaris*;
20. radial styloid process, *processus styloideus radii*;
21. carpal articular surface, *facies articularis carpalis*;



Right ulna and radius
(anterior aspect)



Right ulna and radius
(posterior aspect)

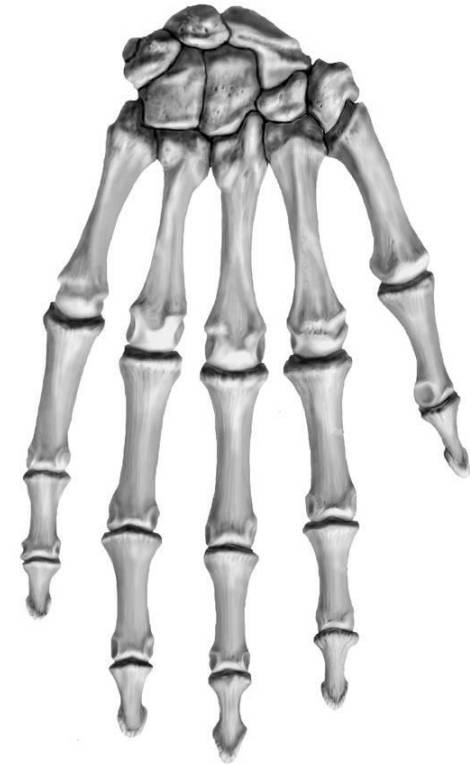
Bones of Hand

(indicate the listed structures on the following pictures)

1. lateral (or radial) side of hand, *facies lateralis*;
2. medial (or ulnar) side of hand, *facies medialis*;
3. carpal bones, *ossa carpi*;
4. metacarpal bones (from I to V), *ossa metacarpi*;
5. phalanges, *phalanges digitorum manus*;
6. scaphoid, *os scaphoideum*;
7. lunate, *os lunatum*;
8. triquetrum, *os triquetrum*;
9. pisiform, *os pisiforme*;
10. trapezium, *os trapezium*;
11. trapezoid, *os trapezoideum*;
12. capitate, *os capitatum*;
13. hamate, *os hamatum*;
14. base of metacarpal bone, *basis ossis metacarpi*;
15. body of metacarpal bone, *corpus ossis metacarpi*;
16. head of metacarpal bone, *caput ossis metacarpi*;
17. thumb, *pollex (digitus primus, digitus secundus)*;
18. index finger, *index*;
19. middle finger, *digitus medius (tertius)*;
20. ring finger, *digitus anonomus (quartus)*;
21. little finger, *digitus minimus (quintus)*;
22. proximal phalanx, *phalanx proximalis*;
23. middle phalanx, *phalanx media*;
24. distal phalanx, *phalanx distalis*.



Right hand
(palmar surface)



Right hand
(dorsal surface)

Indicate with color the areas of the articular surfaces of the elbow joint on the pictures, and write the names of articular surfaces.



**Right elbow joint
(anterior aspect)**



**Frontal radiograph of elbow
joint**

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

1. The names of articular surfaces of the joint:

1. The names of all joints including into the elbow joint

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

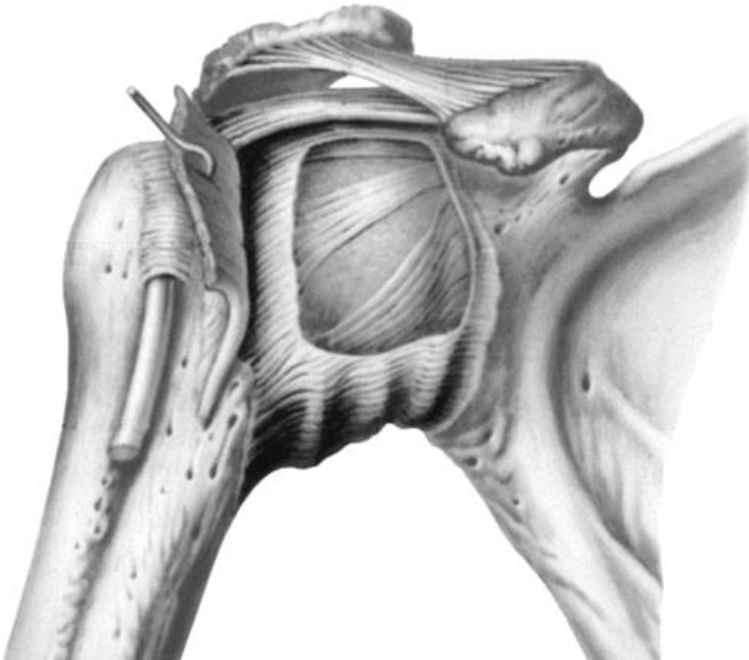
- based on the numbers of the articular surfaces (*simple or compound*):

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

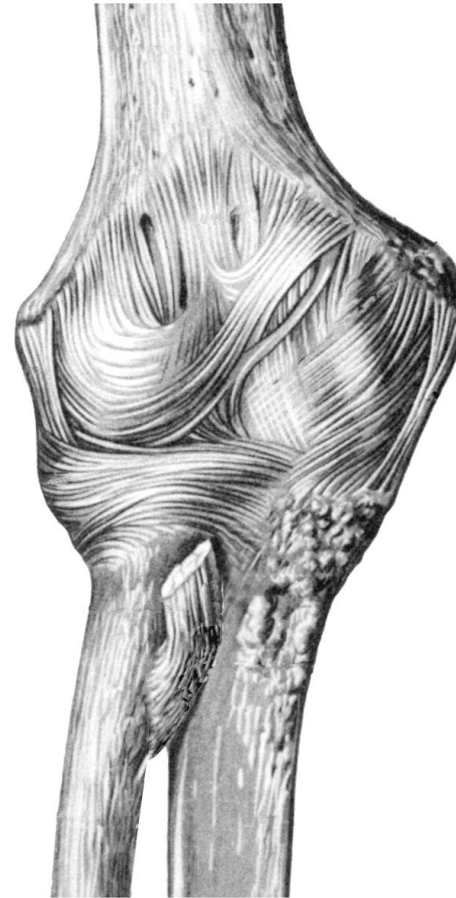
4. The movements at the joint:

5. The ligaments reinforcing the joint:

Indicate the ligaments, reinforcing the shoulder and elbow joints, on the following pictures, and write the names of the ligaments.



**Right shoulder joint
(anterior aspect)**



**Right elbow joint
(anterior aspect)**

Using the color, indicate the areas of articular surfaces of the wrist joint on picture, and write the names of articular surfaces.



Frontal radiograph of right
wrist joint

Using the color, indicate the areas of articular surfaces of the carpometacarpal, metacarpophalangeal, interphalangeal joints on the picture, and write the names of articular surfaces.



Frontal radiograph of right hand

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

1. The names of articular surfaces of the joint:

2. The accessory structure of the joint_____

3. 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*):

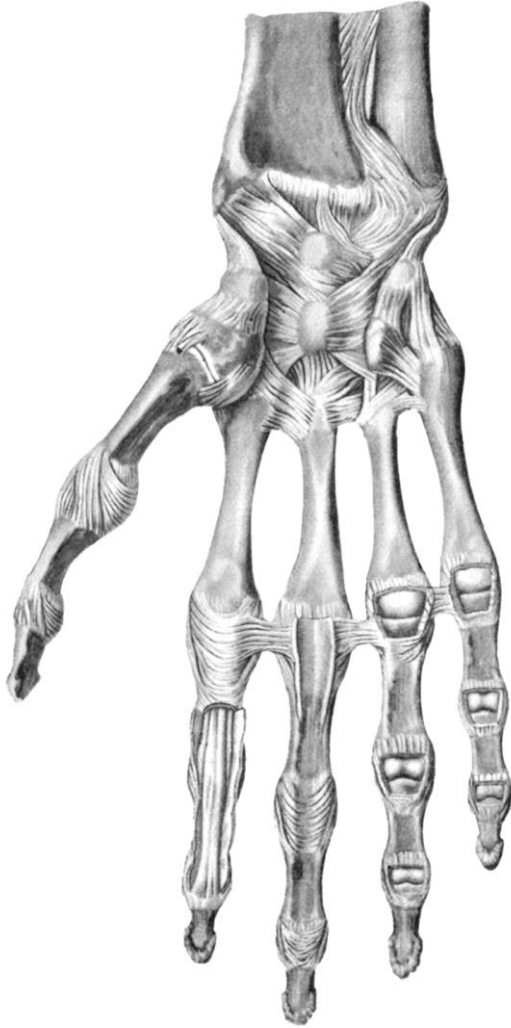
4. The movements at the joint:

5. The ligaments reinforcing the joint:

Complete the table.
JOINTS OF HAND

	Names of articular surfaces	Number of articular surfaces	Shape of articular surfaces and number of axes of movements	Sumultaneous joint function	Movements
Midcarpal joint	Distal row of carpal bones and proximal row (except the pisiform)				
Carpometacarpal joint I		Simple			
Carpometacarpal joints II-V	Trapezium, trapezoid, capitate and hamate bones and bases of II-V metacarpal bones				
Metacarpophalangeal joint I			Hinge		
Metacarpophalangeal joint II-V					Flexion-extension Abduction-adduction Circumduction
Interphalangeal joints				Not combined	

**Indicate the ligaments reinforcing the wrist joint and joints of the hand on the pictures,
and write the names of the ligaments.**



**Ligaments of hand
(palmar surface)**



**Ligaments of hand
(dorsal surface)**