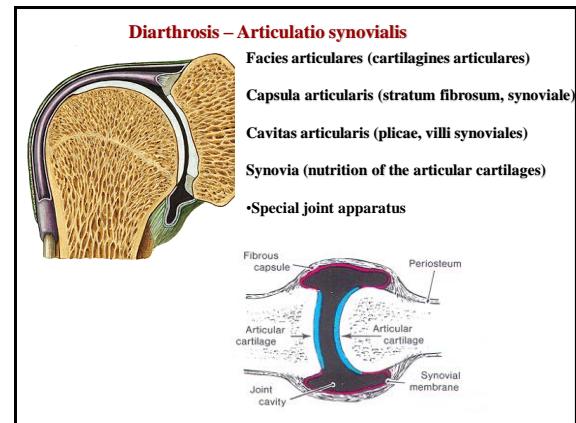
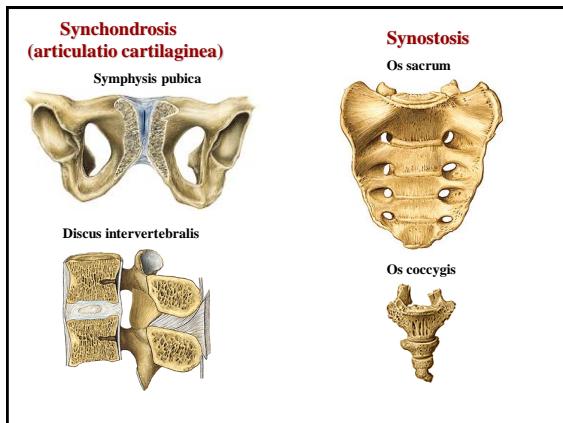
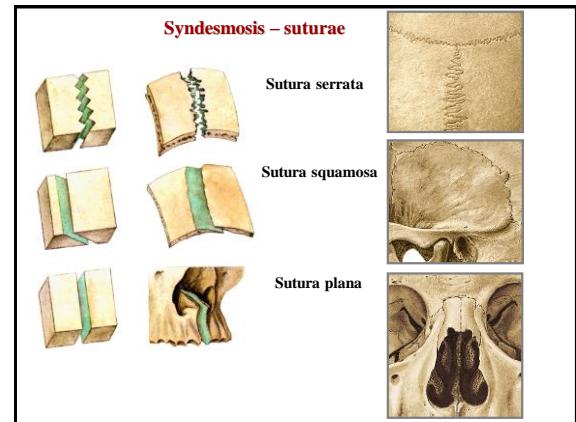
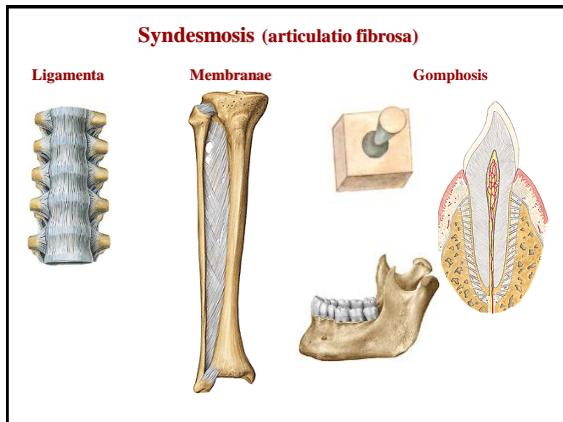
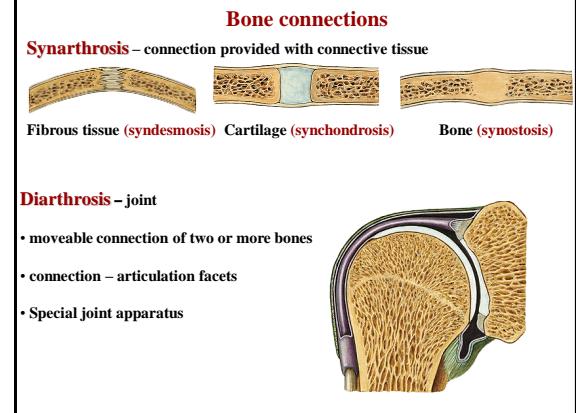
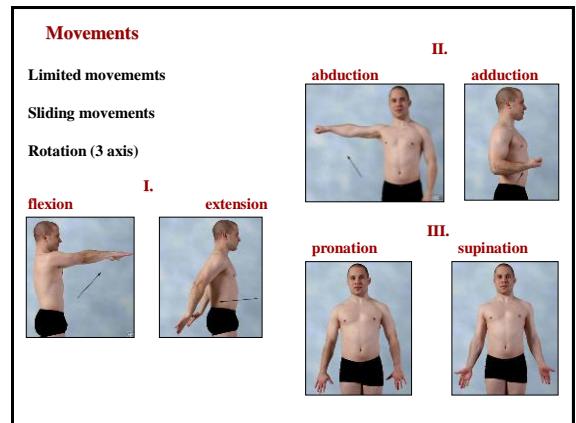
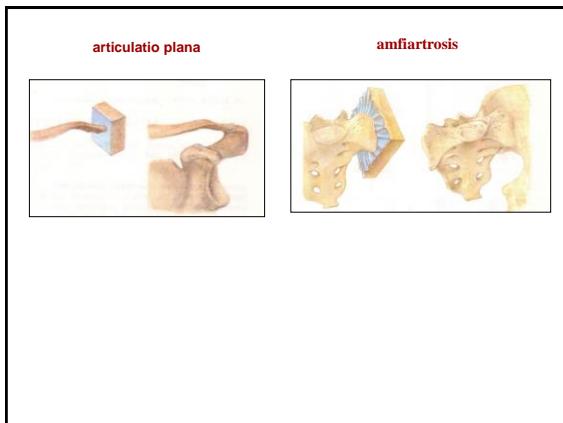
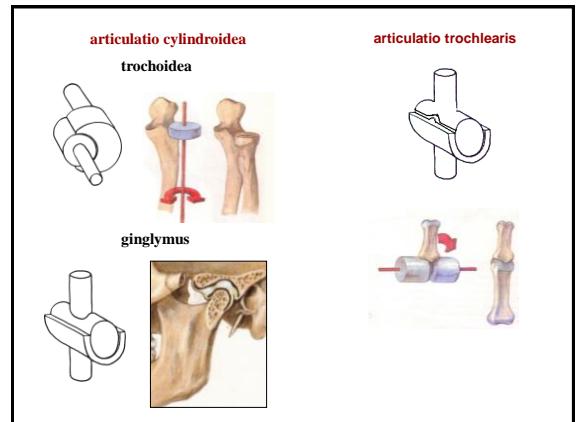
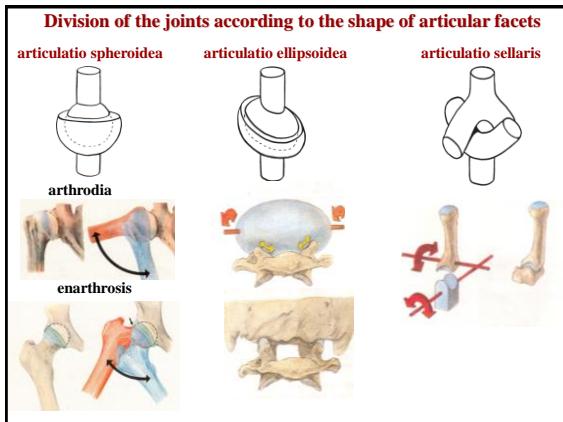
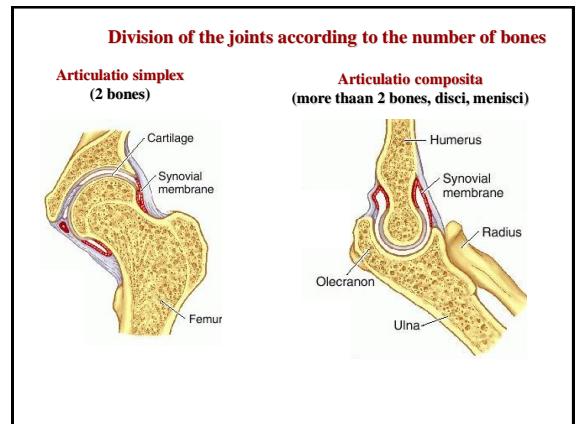
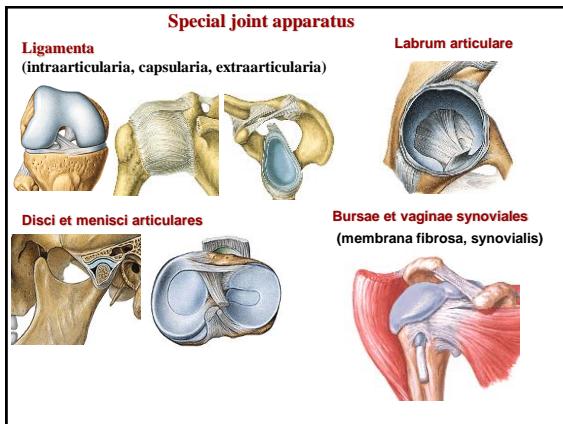
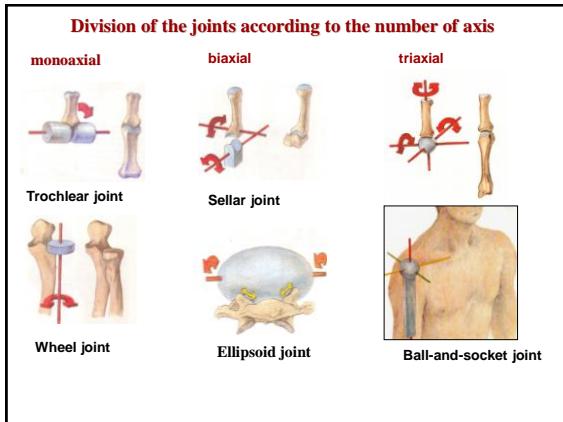


ARTHOLOGY



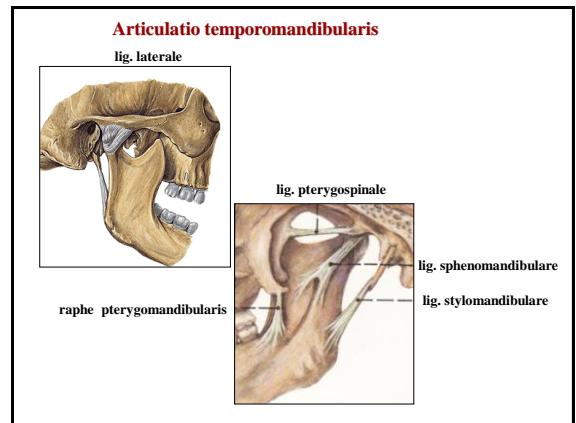
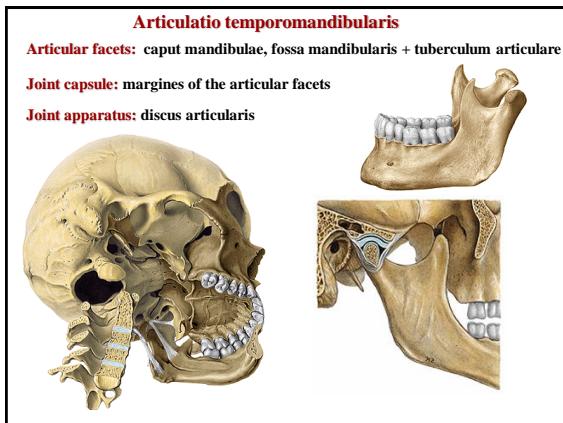
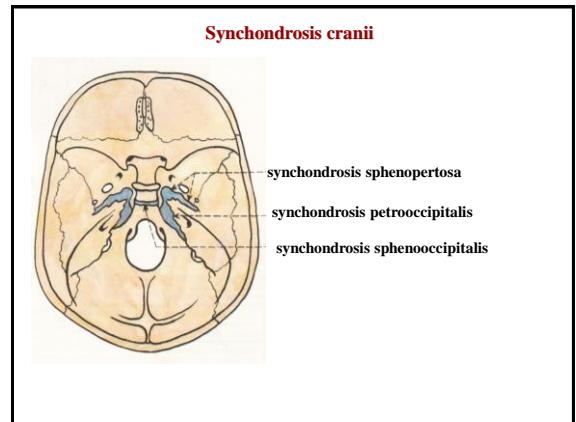
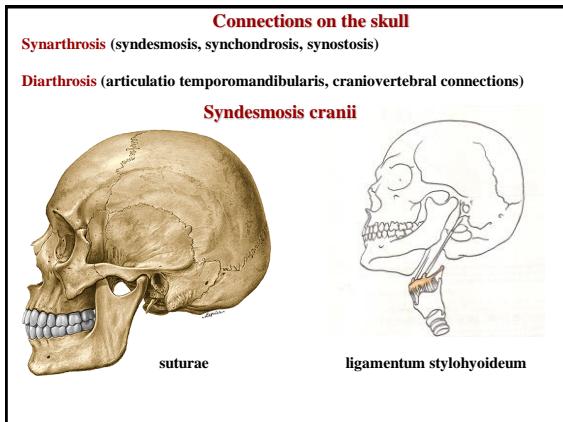


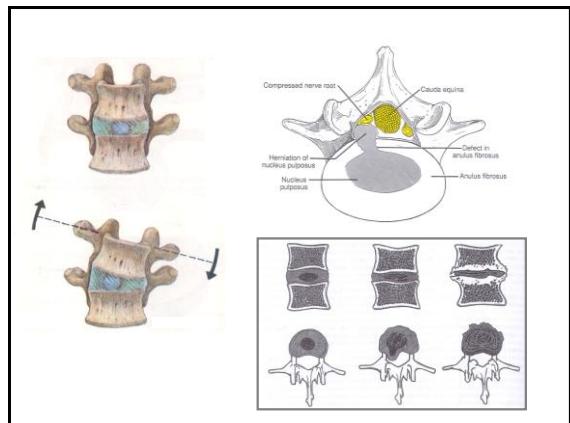
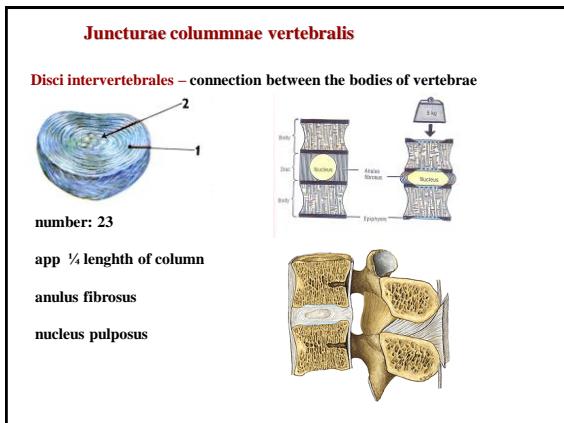
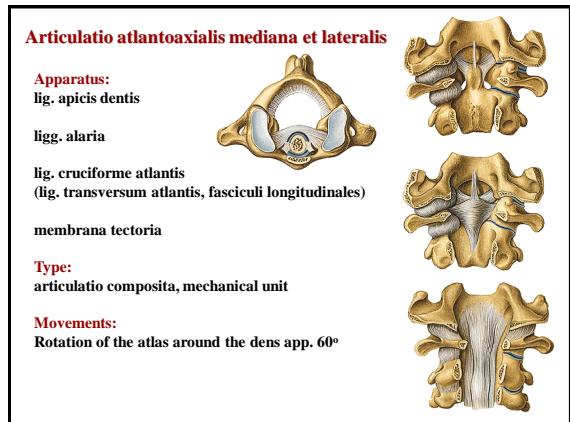
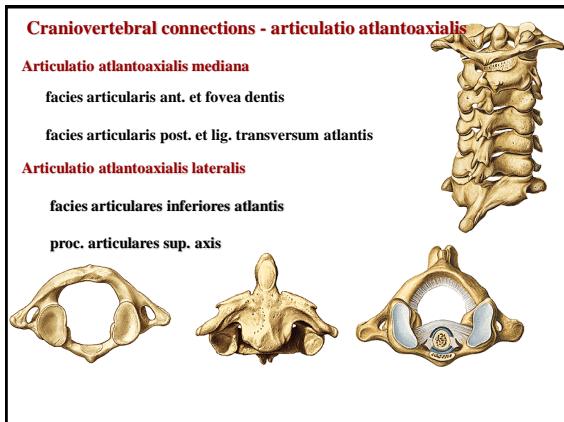
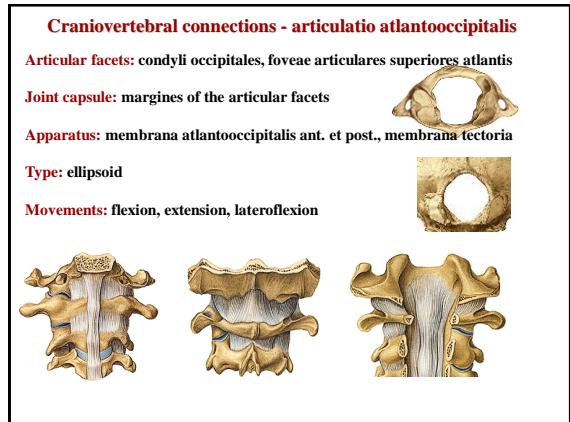
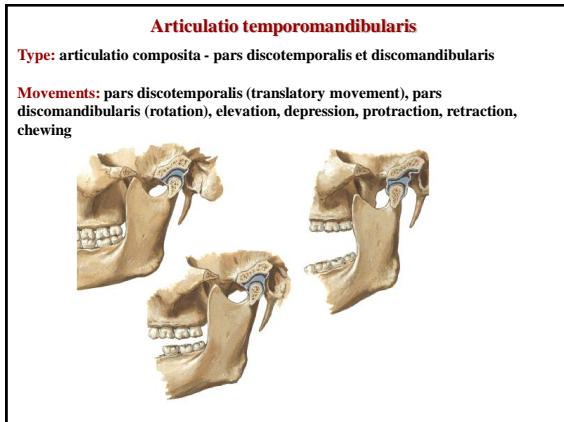


Special arthrology

Joint description

1. name
2. Articular facets
3. Joint capsule
4. Joint apparatus
5. Type of the joint, movements





Articulationes intervertebrales**Articular facets:** processus articulares sup. et inf. of adjacent vertebrae

(position of the facets - C oblique, Th front, L sagittal)

Joint capsule: margins of the articular facets**Type:** articulatio plana (translatory movements)**Short ligaments of the spine:**

ligamenta flava (arches)

ligamenta interspinalia (proc. spinosi)

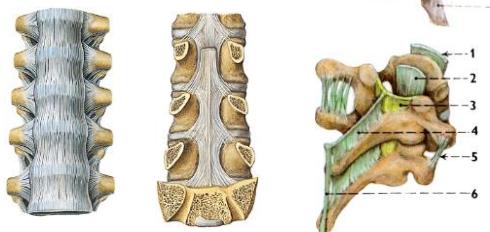
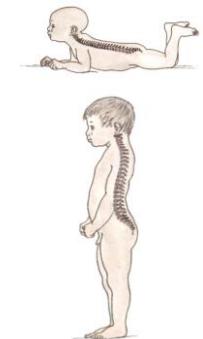
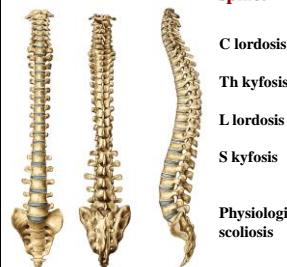
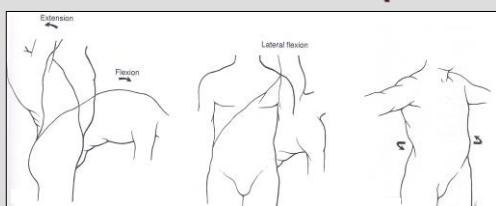
ligamenta intertransversalia (proc. transversi)

**Long ligaments of the spine**

ligamentum supraspinale (ligamentum nuchae)

Ligamentum longitudinale anterius

Ligamentum longitudinale posterius (membrana tectoria)

**Shape of the spine:****Movements of the spine**

anteflexion till 135°

lateroflexion till 70°

rotation 90-95°

retroflexion till 105°

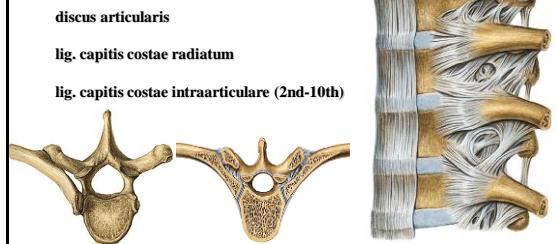
Springy movements

Juncturae thoracis – articulationes costovetebrales**Articulatio capitis costae****Articular facets:** facies articularis capitis costae, foveae costales sup. et inf.**Apparatus:**

discus articularis

lig. capitis costae radiatum

lig. capitis costae intraarticulare (2nd-10th)



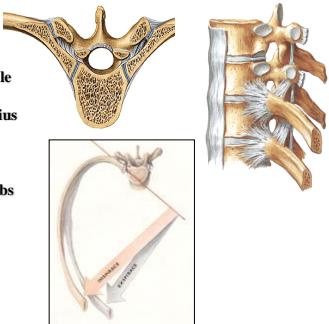
Articulatio costotransversaria**Articular facets:** facies articularis tuberculi costae, fovea costalis proc. transversi**Apparatus:**

lig. costotransversarium

lig. costotransversarium laterale

lig. costotransversarium superius

lig. lumbocostale

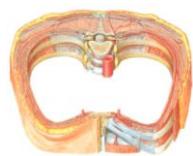
Movements: elevation of the ribs**Juncturae sternocostales****Syphondrosis sternocostalis** (1st, 6th and 7th)**Articulationes sternocostales** (2nd – 5th)**Articular facets:**

Rib cartilages, incisurae costales sterni

Apparatus:**Juncturae intercostales****Articulationes interchondrales****Articular facets:** cartilages 5th – 9th rib**Membranae intercostales**

membrana intercostalis externa

membrana intercostalis interna

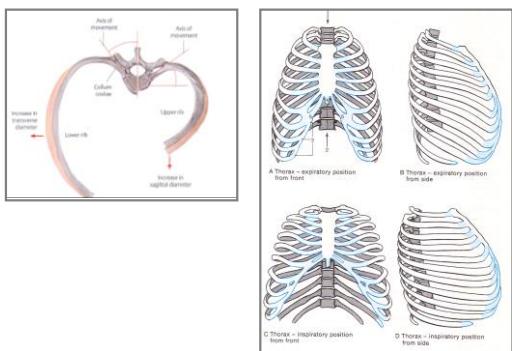
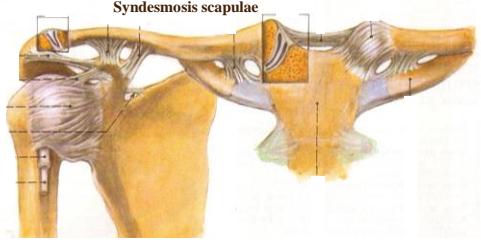
**Rib cage shape**

Apertura thoracis superior

Spatia intercostalia

Cavum thoracis

Apertura thoracis inferior

**Movements of the rib cage****Connections of the girdle of the upper extremity
(juncturae ossium cinguli extremitatis superioris)****Articulatio sternoclavicularis****Articulatio acromioclavicularis****Syndesmosis scapulae**

Articulatio sternoclavicularis

Articular facets: incisura clavicularis sterni, facies articularis sternalis claviculae

Joint capsule: tough

Apparatus:

discus articularis

lig. sternoclaviculare ant. a. post.

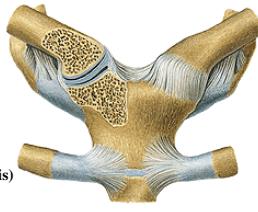
lig. interclaviculare (incisura jugularis)

lig. costoclaviculare

Type: composed, spheroid

Movements: limited,

depends on movements of scapula



Dysostosis cleidocranialis

Articulatio acromioclavicularis

Articular facets: facies articularis acromialis claviculae, facies articularis acromii

Joint capsule: tough

Apparatus:

discus articularis

lig. acromioclaviculare

lig. coracoclaviculare

Type:

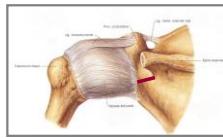
composed, limited

Depends on movements of scapula and shoulder

**Syndesmosis scapulae**

Lig. transversum scapulae superius et inferius

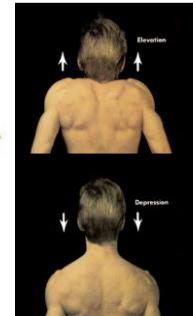
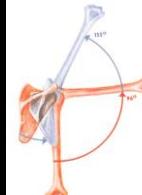
Lig. coracoacromiale (fornix humeri)

**Movements of the scapula**

protraction (lateroventral, during anteflexion)

elevation

retraction (dorsomedial, during retroflexion)

**Connections of the free upper extremity**

(juncturae ossium extremitatis superioris liberae)

Articulatio humeri (shoulder joint)

Articular facets:

caput humeri, cavitas glenoidalis + labrum glenoidale

Joint capsule:

margins, med. on collum anat. humeri – distally

vagina synovialis intertubercularis

**Articulatio humeri – articular apparatus**

labrum glenoidale

ligg. glenohumeralia (sup., inf., ant.)

lig. coracohumerale

lig. coracoacromiale

Firmed by tendons
(rotator cuff)

