



АНАТОМІЯ ЛЮДИНИ

ТОМ 1

611(072)
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artt.	-	articulationes	-	.	—	ramus	-
for.	-	foramen	-	.	—	rami	—
forr.	-	foramma	-	sul.		sulcus	
lam.		lamina	-	sull.	-	sulci	
lamm.	-	laminae	-	sut.	-	sutura	-
lig.	-	ligamentum	-	sutt.		suturae	-
ligg-	-	ligamenta	-	V.	-	vena	-
m.	-	musculus	-	w.		venae	

64 . 1 / . . . : -
« » « », 2005. - 328 .

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Paulo, 1997)

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¹ — phylon () — , genesis () —
² — palaios () — , logos () —
³ — anthropos () —
⁴ — ontos () —

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 (medianus —) (cranium —),
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 (medialis —),
 (lateralis —) (proximalis —) (distalis —),
 (anterior) (posterior)
 (venter —), —

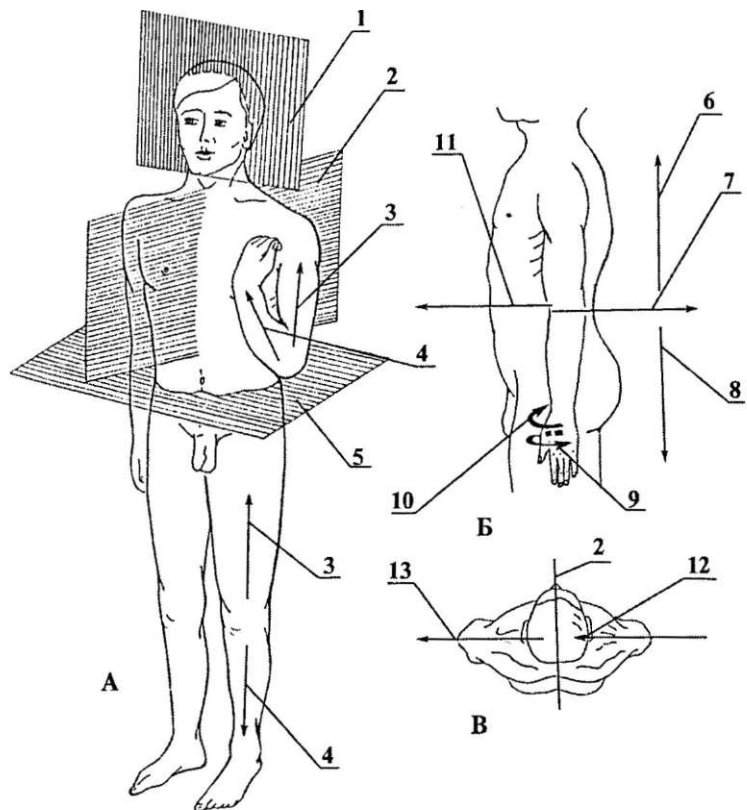


Рис.1. Схеми площин в тілі людини та загальні анатомічні терміни. А - вид спереду; Б - вид збоку; В - вид зверху. 1 - фронтальна площина; 2 - сагітальна площина; 3 - прокси-
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(R.) 1665 , 1838
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textus) — (histos seu

(F. Bichat) 1801

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 , (F. Bichat)

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 (chorda dorsalis).
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3. (Amphibia)

4. (Reptilia) —

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(Anthropoidea)

(Hominidae)

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VII.	17-21 () 16-20 ()
VIII. , 1	22-35 () 21-35 ()
IX. , II	36-60 () 36-55 ()
X.	61-74 () 56-74 ()
XI.	75-90 ()
XII.	90

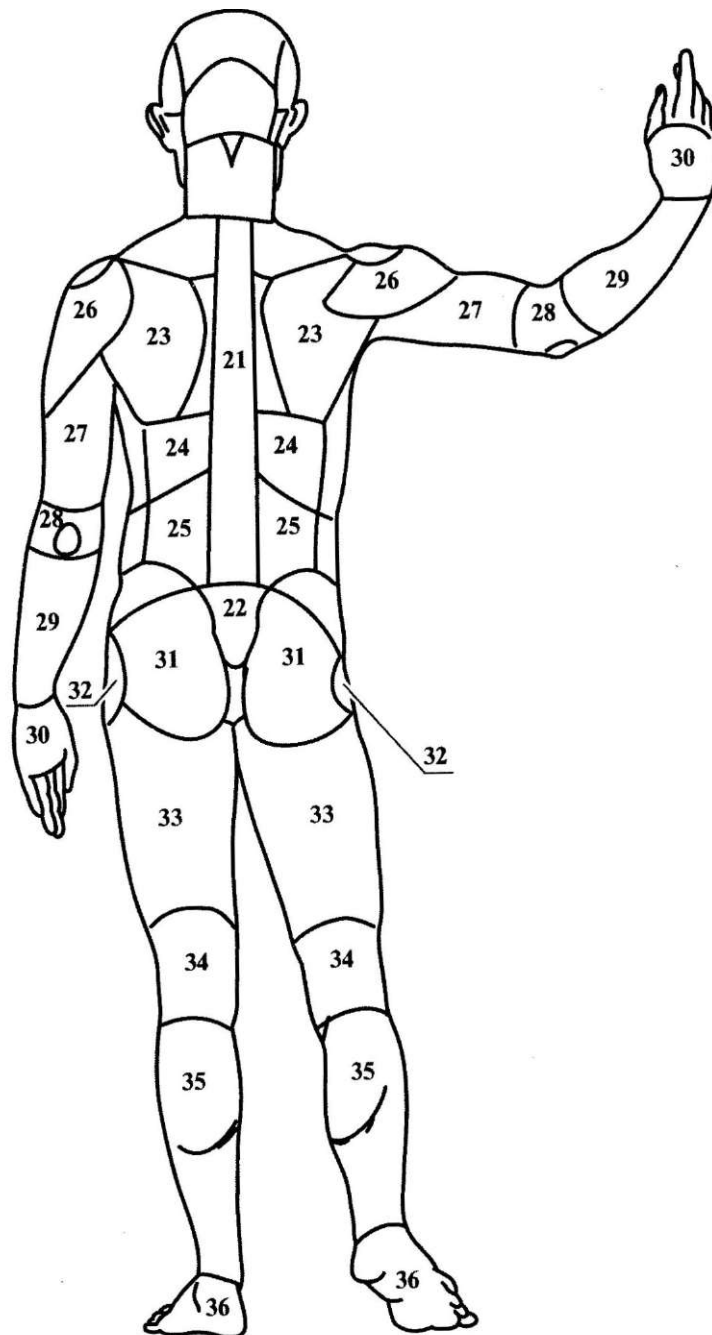


Схема 3. Ділянки тіла людини; вид ззаду.

1-3

Regiones capitis: 1 - regio frontalis; 2 - regio parietalis; 3 - regio occipitalis; 4 - regio temporalis; 5 - regio auricularis; 6 - regio mastoidea; 7 - regio facialis.

Regiones cervicales: 8 - regio cervicalis anterior; 9 - regio sternocleidomastoidea; 10 - regio cervicalis lateralis; 11 - regio cervicalis posterior.

Regiones thoracicae anteriores et laterales: 12 - regio presternalis; 13 - regio pectoralis; 14 - regio axillaris.

Regiones abdominales: 15 - regio hypochondriaca; 16 - regio

epigastrica; 17 - regio lateralis; 18 - regio umbilicalis; 19 - regio inguinalis; 20 - regio pubica,

Regiones dorsales: 21 - regio vertebralis; 22 - regio sacralis; 23 - regio scapularis; 24 - regio infrascapularis; 25 - regio lumbalis.

Regiones membri superioris: 26 - regio deltoidea; 27 - regio brachialis; 28 - regio cubitalis; 29 - regio antebrachialis; 30 - regio manus.

Regiones membri inferioris: 31 - regio glutealis; 32 - regio coxae; 33 - regio femoris; 34 - regio genus; 35 - regio cruris; 36 - regio pedis.

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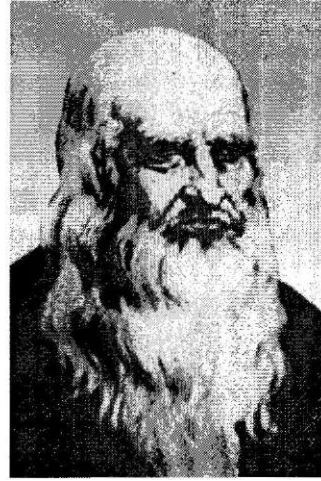
(460 — 377).
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377, **Hippocrates** (460 — (phlegma), (chole) (melanchole).
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322, **Aristoteles** (384 —
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X—XII

XVIII

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XVII—XVIII .

SYSTEMA SKELETALE —

(os) — .

(substantia compacta),

(periosteum). — (substantia spongiosa),

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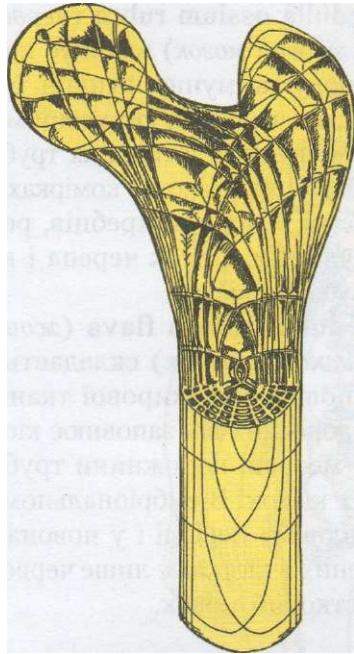
1867-1870 — Meyer u Cullman

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(os pneumaticum).

• diaphysis (),

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• **cavitas medullaris** ()

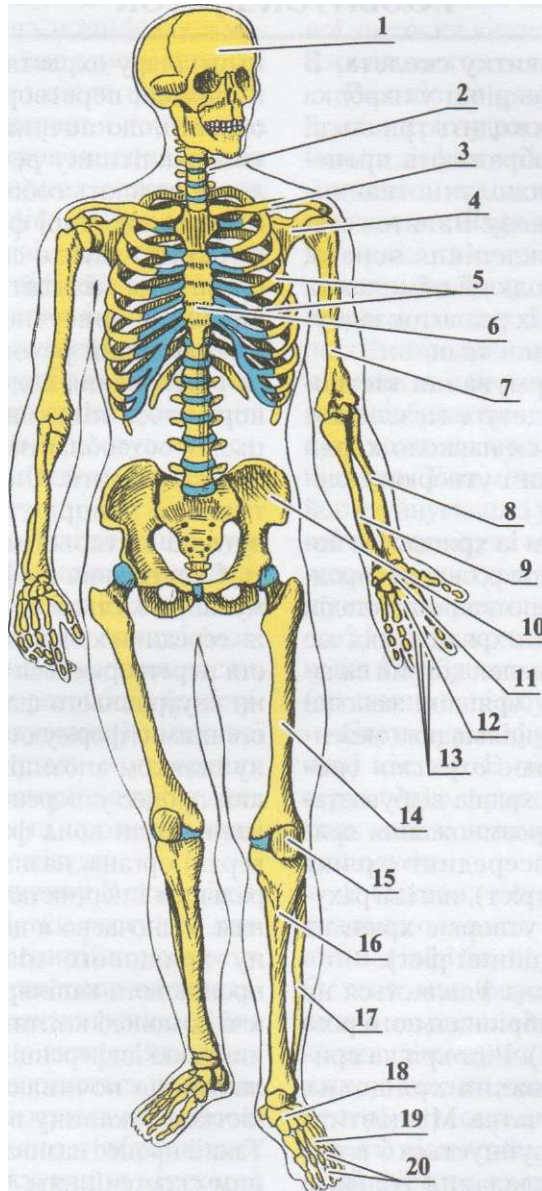
(endosteum)

• **epiphysis** (,)

• **facies articularis** (

• **metaphysis** ()

• **apophysis** (,)—



4 - . 4. ; 5 - ; 6 - , ; 7 - . 1- ; 2 - ; 3 - ;
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ossificationis), (centrum
(cartilago epiphysialis).
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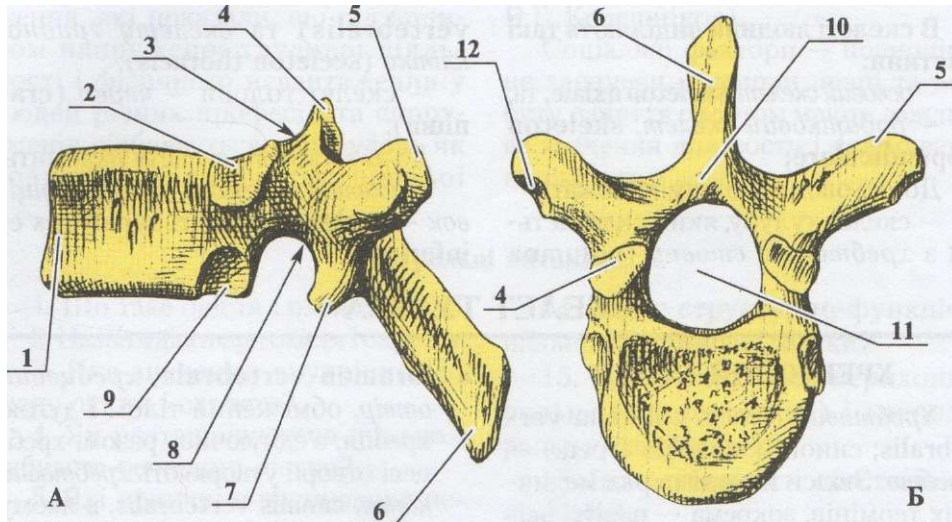
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vertebralis)
 (skeleton thoracis);
 — : skeleton axiale; — (-
 — , skeleton nium);
 appendiculare; :
 — : - skeleton membri superioris et
 (columna inferioris.

• foramen vertebrale,
 ; ' -
 , canalis vertebralis,
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 , 7 . —4 -
 , 2 1 ;
 • processus spinosus,
 , , ;
 • processus transversus,
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• processus articularis superior,
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 • processus articularis inferior,
 H-UJfCfitll ,
 , ,
 ;
 • corpus vertebrae,
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 ;
 • arcus vertebrae,
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 ;



1 - corpus vertebrae; 2 - fovea costalis superior; 3 - incisura vertebralis superior; 4 - processus articularis superior; 5 - processus transversus; 6 - processus spinosus; 7 - processus articularis inferior; 8 - incisura vertebralis inferior; 9 - fovea costalis inferior; 10 - arcus vertebrae; 11 - foramen vertebrale; 12 - fovea costalis processus transversus.

- **incisura vertebralis superior,**

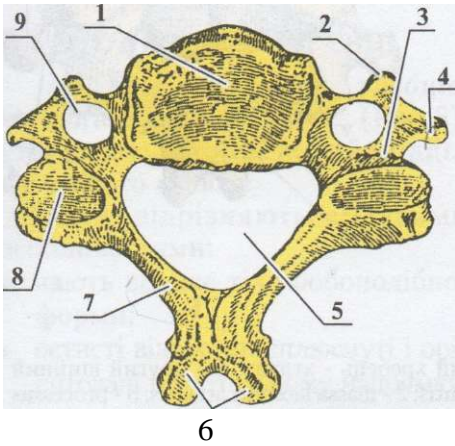
vertebrae cervicales C_j — CV_n (n = 6),

- **incisura vertebralis inferior,**

- **foramen intervertebrale,**

(C_{VI} — C_{VII}),

foramen transversarium
 tuberculum anterius,
 tuberculum posterius.



1 — corpus vertebrae; 2 — tuberculum anterius; 3 — sulcus nervi spinalis; 4 — tuberculum posterius; 5 — foramen vertebrale; 6 — processus spinosus; 7 — arcus vertebrae; 8 — processus articularis superior; 9 — foramen transversarium.

(C_{VII})

vertebra prominens.

()

axis.

¹ — Atlas —

tuberculum caroticum.

atlas¹ (Cj) —
 (.7),

arcus anterior atlantis,

fovea dentis,
 tuberculum anterius;

arcus posterior atlantis,

tuberculum posterius,
 vertebralis, sulcus .

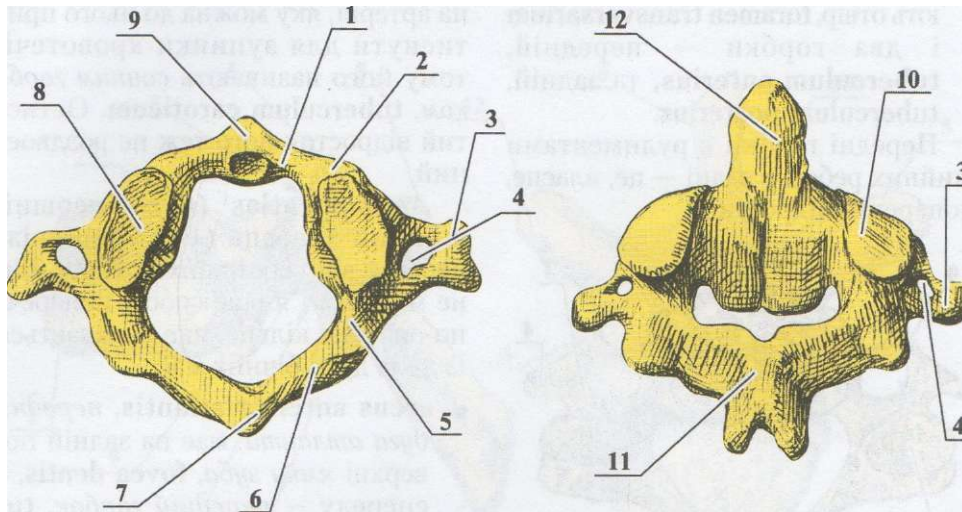
massa lateralis atlantis,

facies articulares
 superiores et inferiores,

axis (),
 (.7),

dens

facies articularis an-



7. 1 - arcus anterior atlantis; 2 - massa lateralis atlantis; 3 - processus transversus; 4 - foramen transversarium; 5 - sulcus a. vertebralis; 6 - arcus posterior atlantis; 7 - tuberculum posterius; 8 - facies articularis superior atlantis; 9 - tuberculum anterius; 10 - facies articularis superior axis; 11 - processus spinosus; 12 - dens axis.

terior et posterior,
apex dentis.

fovea costalis inferior,

vertebrae thoracicae, — Th_{xn}
(. 5),

• fovea costalis processus transversis,

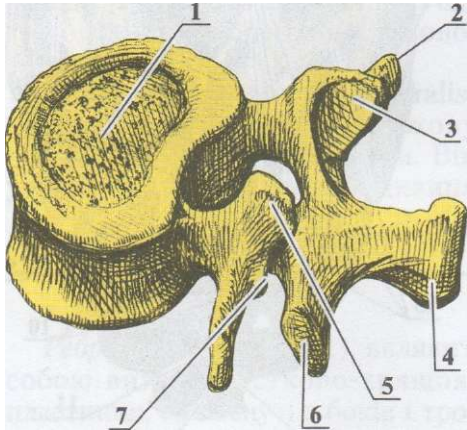
• fovea costalis superior,

II

• X

• XI XII

vertebrae lumbales, L, — L_v (. 8),



. 8.

. 1 — corpus vertebrae; 2 — processus transversus; 3 — processus articularis superior; 4 — processus spinosus; 5 — processus mamillaris; — processus articularis inferior; 7 — processus accessorius.

¹ — sacer (.) —

processus mamillares;

, processus accessorius.

vertebrae sacrales, S_j-S_v,

sacrum¹ (. 9).

• basis ossis sacri,

• promontorium,

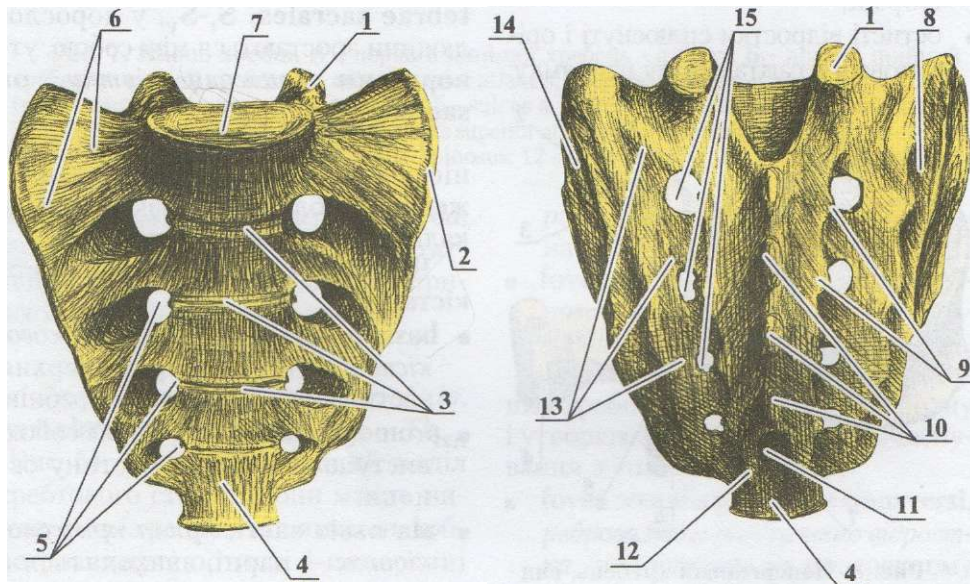
• ala ossis sacri,

• ossis sacri,

• pars lateralis,

- **facies pelvica,**
- **facies dorsalis,**
- **lineae transversae,**
- **foramina sacralia anteriora,**
(4),

- **crista sacralis mediana,**
- **crista sacralis medialis,**
- **crista sacralis lateralis,**
()



9. 1 - processus articularis superior; 2 - pars lateralis; 3 - lineae transversae; 4 - apex ossis sacri; 5 - foramina sacralia anteriora; 6 - ala ossis sacri; 7 - basis ossis sacri; 8 - tuberositas ossis sacri; 9 - crista sacralis medialis; 10 - crista sacralis mediana; 11 - hiatus sacralis; 12 - cornu sacrale; 13 - crista sacralis lateralis; 14 - facies auricularis; 15 - foramina sacralia posteriora.

- **foramina sacralia posteriora,**
(4),

- **hiatus sacralis,**
hiatus sacralis.

- **cornua sacralia,**

vertebrae coccygeae, Co, -Co_{IV V}, (10)

- **tuberositas ossis sacri,**

(), os coccygis.

, cornua coccygea,

мовані вгору, до крижових рогів.

- **facies auricularis,**



, canalis sacralis,

. 10.

. 1— coccygea.

, costae (. 11),

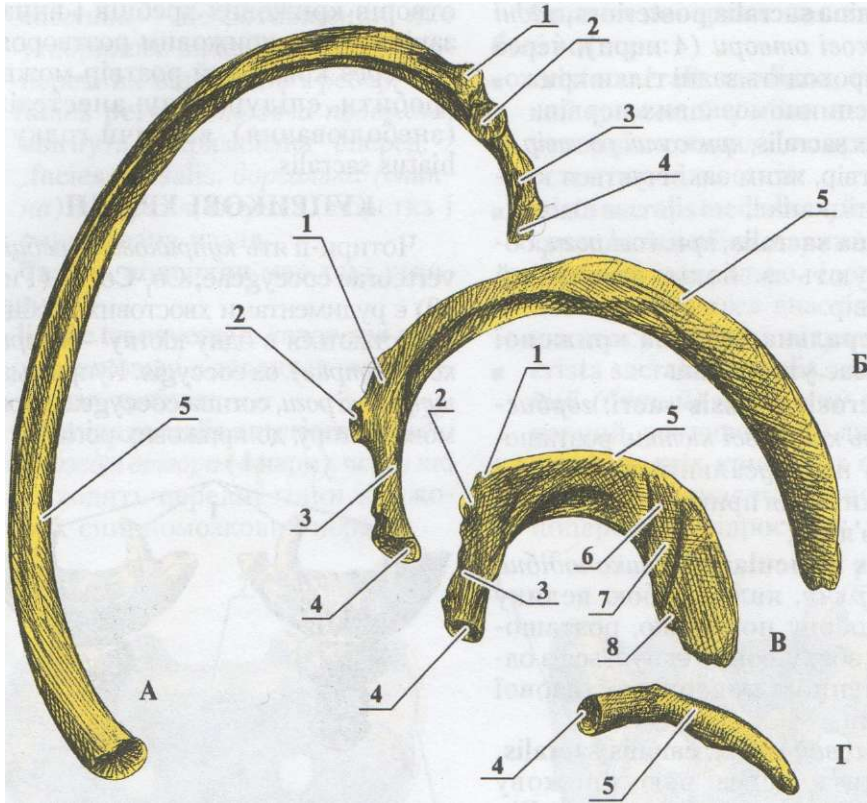
- **os costae,**

- **cartilago costalis,**

- **costae verae,**

XI, XII

- **costae spuriae,**



11. 1 - tuberculum costae; 2 - facies articularis tuberculi costae; 3 - collum costae; 4 - caput costae; 5 - corpus costae; 6 - sulcus v. subclaviae; 7 - tuberculum m. scaleni anterioris; 8 - sulcus a. subclaviae.

- **costae fluctuantes,** (XI XII),
- **caput costae,**
- **costae fluctuantes,** (XI XII),
- **collum costae,**
- **tuberculum costae,**
- **facies articularis capitis costae,**
- **crista capitis costae,**

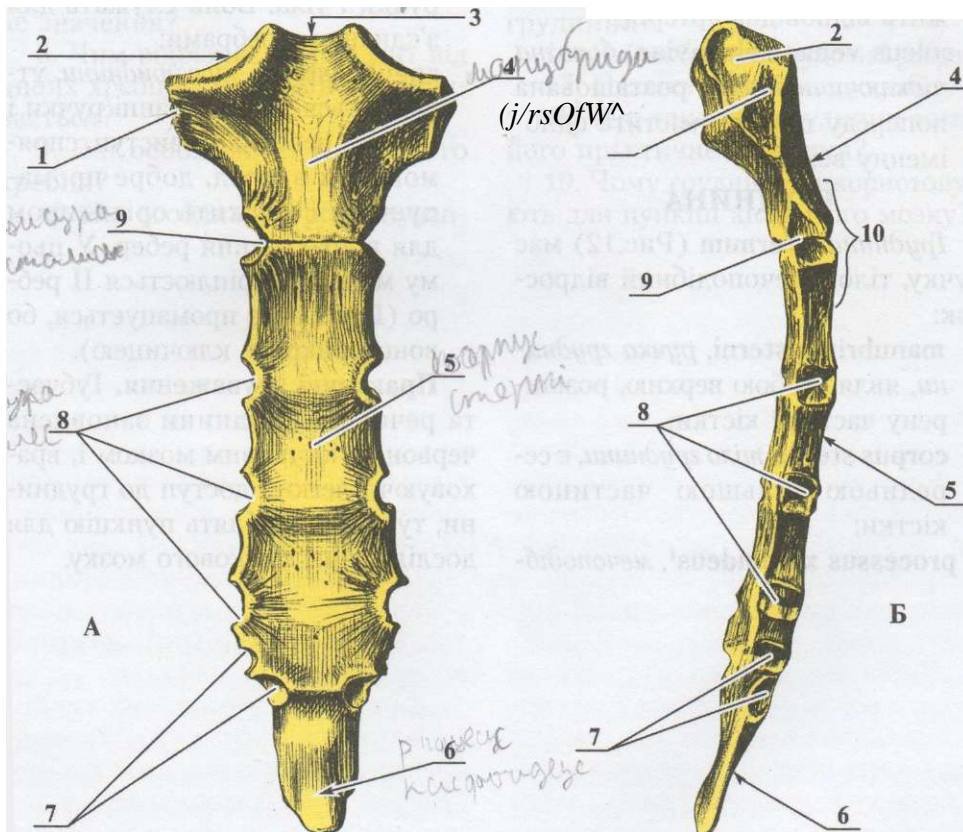
— facies articularis tuberculi costae.

XI XII ;
corpus costae,

; angulus costae,

; sulcus costae,

VII XII VII
, costa prima,



12. ; 1 - incisura costalis ; 2 - incisura clavicularis; 3 - incisura jugularis; 4 - manubrium sterni; 5 - corpus sterni; 6 - processus xiphoideus; 7 - incisurae costales VI, VII; 8 - incisurae costales III, IV, V; 9 - incisura costalis II; 10 - angulus sterni.

- **tuberculum musculi scaleni anterioris,**
 - **sulcus arteriae subclaviae,**
 - **sulcus venae subclaviae,**
 - **manubrium sterni,**
 - **corpus sterni,**
 - **processus xiphoideus¹,**
- incisura jugularis,**
 - incisura clavicularis,**
 - incisurae costales,**
 - angulus sterni,**

— xiphos (.) — .

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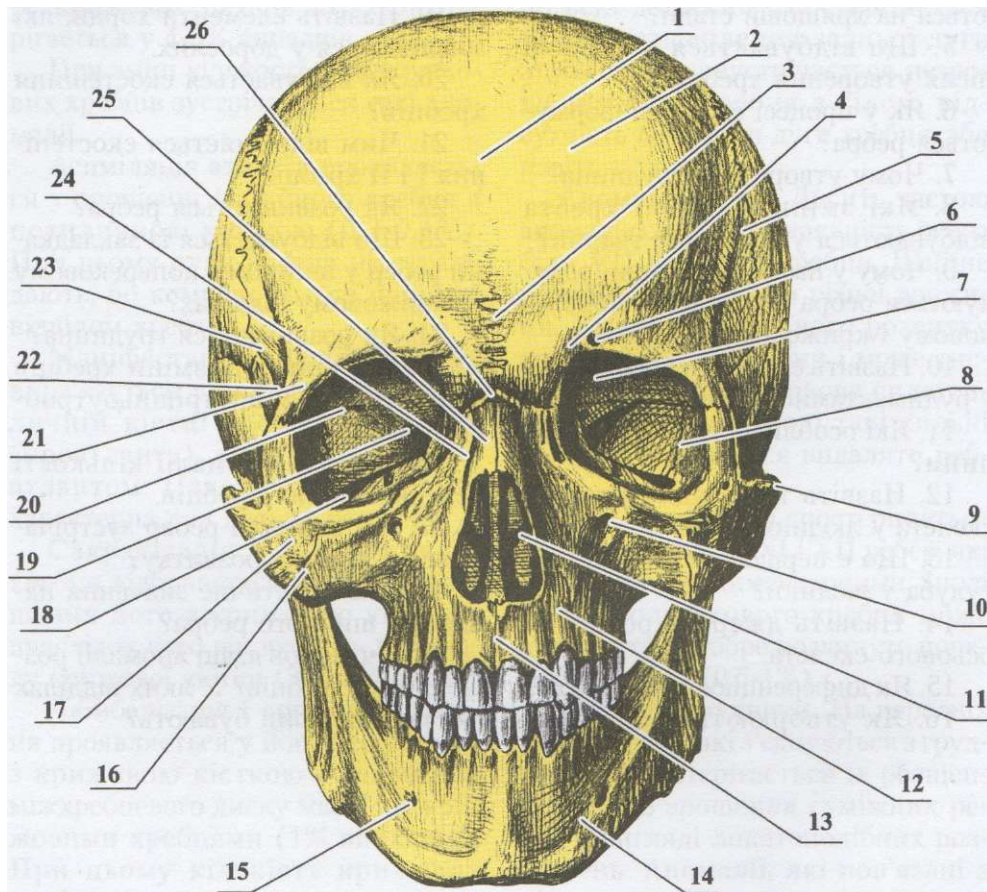
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, cranium (. 13)



. 13. , . 1 - os frontale; 2 - tuber frontale; 3 - glabella; 4 - arcus superciliaris; 5 - fossa temporalis; 6 - foramen supraorbitale; 7 - pars orbitalis ossis frontalis; 8 - sutura sphenozygomatica; 9 - arcus zygomaticus; 10 - foramen infraorbitale; 11 - apertura piriformis; 12 - maxilla; 13 - sutura intermaxillaris; 14 - mandibula; 15 - foramen mentale; 16 - sutura zygomaticomaxillaris; 17 - os zygomaticum; 18 - fissura orbitalis inferior; 19 - canalis opticus; 20 - fissura orbitalis superior; 21 - processus zygomaticus ossis frontalis; 22 - linea temporalis; 23 - sutura coronalis; 24 - sutura nasomaxillaris; 25 - os nasale; 26 - sutura frontonasalis.

(. 14).

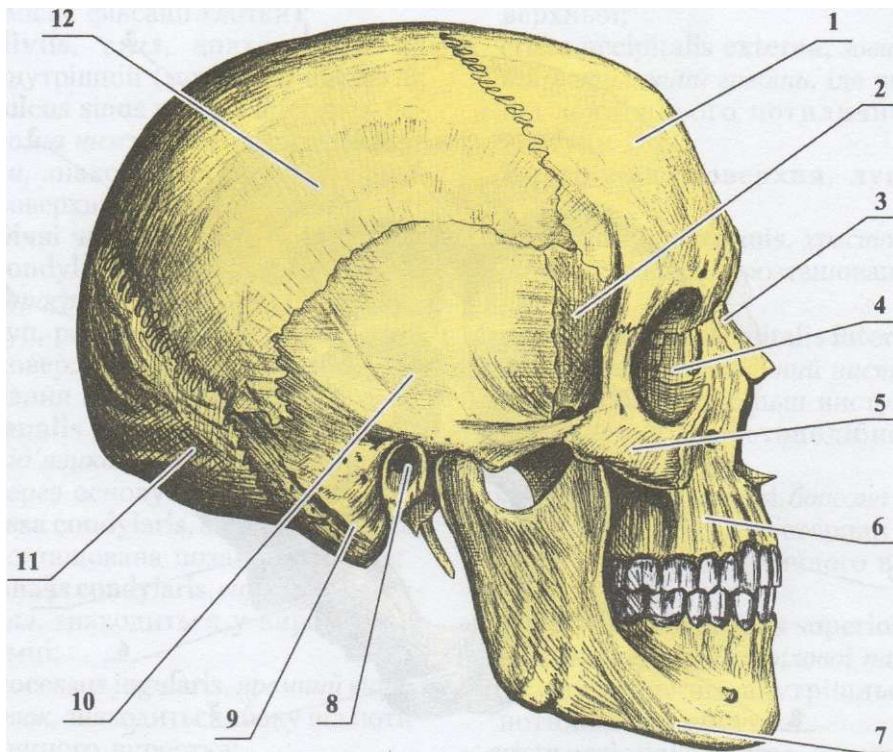
• **viscerocranium,**

• **neurocranium,**

• **calvaria,**

• **basis cranii externa,**

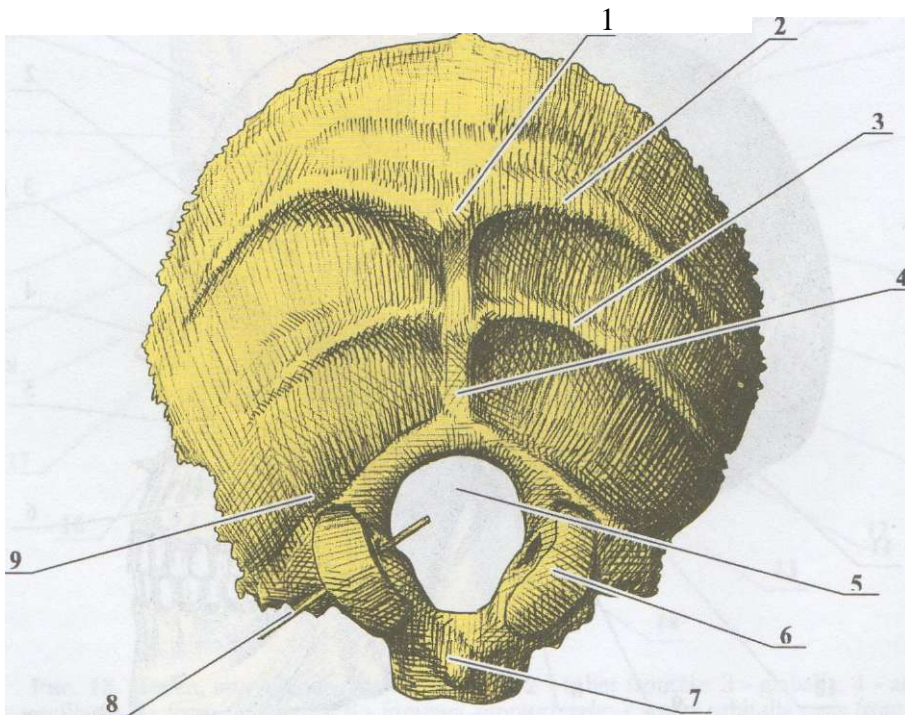
• **basis cranii interna,**



. 14. . 1 - os frontale; 2 - os sphenoidale; 3 - os nasale; 4 - os lacrimale; 5 - os zygomaticum; 6 - maxilla; 7 - mandibula; 8 - porus acusticus externus; 9 - processus mastoideus; 10 - pars squamosa ossis temporalis; 11 - os occipitale; 12 - os parietale.

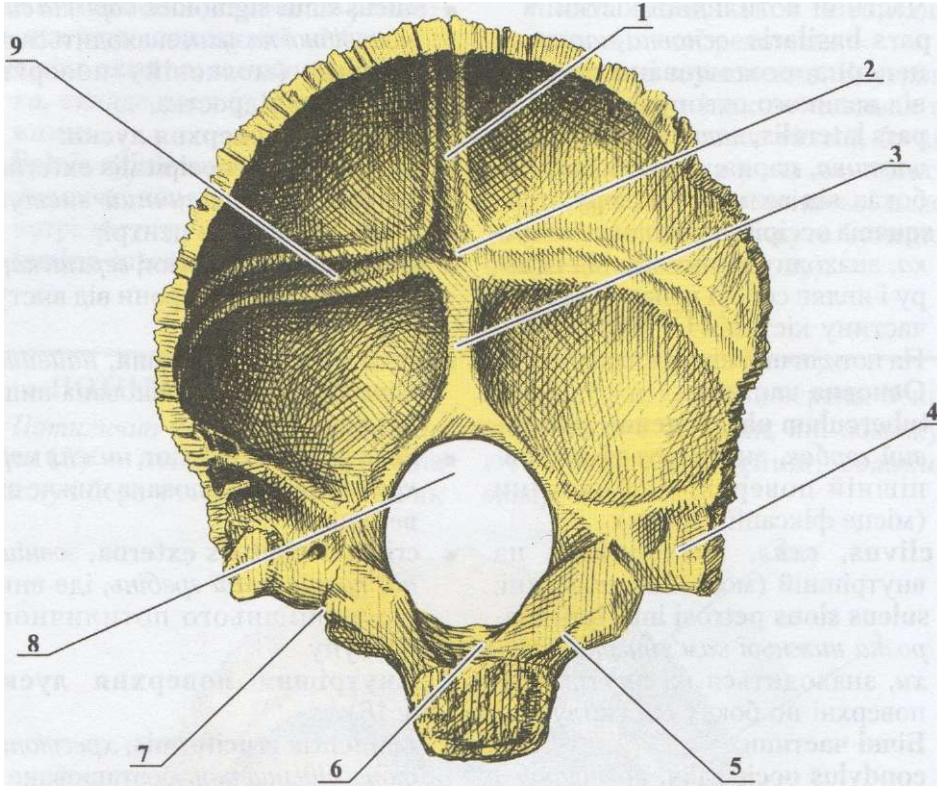
- lamina externa,
- diploe,
- lamina interna,

os occipitale
foramen magnum,



15. 1 - protuberantia occipitalis externa; 2 - linea nuchalis superior; 3 - linea nuchalis inferior; 4 - crista occipitalis externa; 5 - foramen magnum; 6 - condylus occipitalis; 7 - tuberculum pharyngeum; 8 - canalis nervi hypoglossi; 9 - fossa condylaris.

- **pars basilaris,** ;
- **pars lateralis,** () ;
- **squama occipitalis,** -
- **tuberculum pharyngeum,** -
- **clivus,** () ;
- **sulcus sinus petrosi inferioris,** -
- **condylus occipitalis,** -
- **canalis nervi hypoglossi,** -
- **fossa condylaris,** ;
- **canalis condylaris,** -
- **processus jugularis,** -
- **incisura jugularis,** -
- **sulcus sinus sigmoidei,** -
- **protuberantia occipitalis externa,** -
- **linea nuchalis superior,** -
- **linea nuchalis suprema,** -
- **linea nuchalis inferior,** -
- **crista occipitalis externa,** -
- (. 16):
- **eminentia cruciformis,** -
- **protuberantia occipitalis interna,** -
- **sulcus sinus transversus,** -
- **sulcus sinus sagittalis superioris,** -
- **crista occipitalis interna,** -

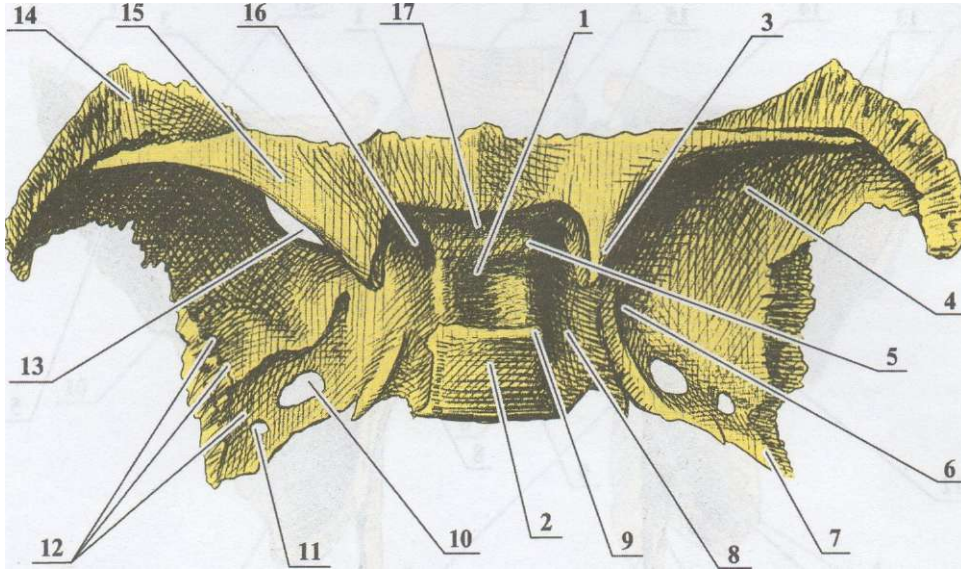


16. 1 - sulcus sinus sagittalis superioris; 2 - protuberantia occipitalis interna; 3 - crista occipitalis interna; 4 - sulcus sinus sigmoidei; 5 - pars lateralis; 6 - pars basilaris; 7 - incisura jugularis; 8 - foramen magnum; 9 - sulcus sinus transversus.

17) — os sphenoidale (sphenoidale) —

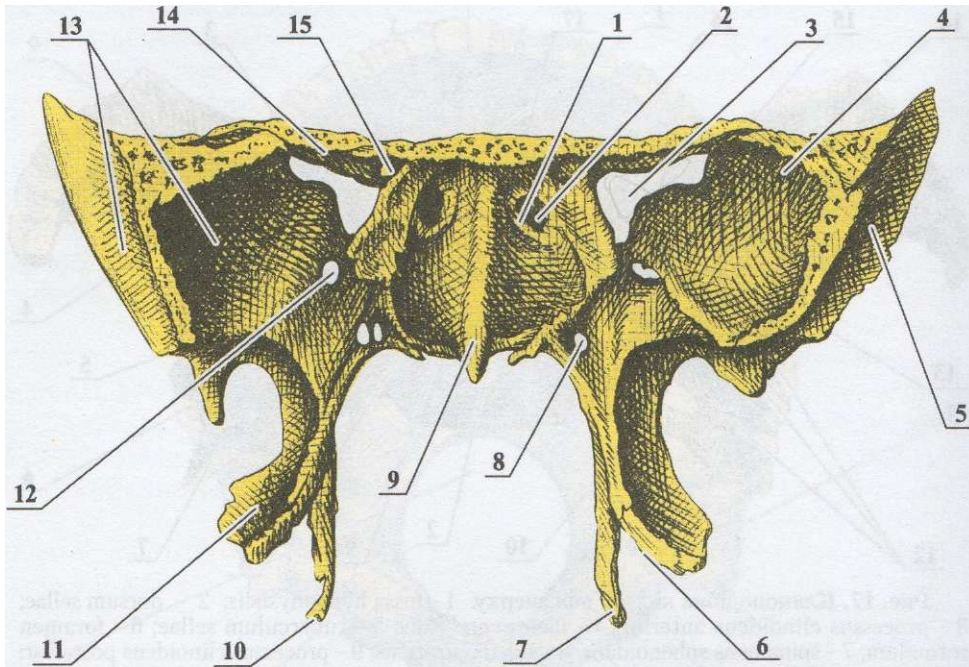
- (18) ,
- **corpus,**
 - **ala major,**
 - **ala minor,**

¹ — **sphen** () — «
» ()



17. 1 - fossa hypophysialis; 2 - dorsum sellae; 3 - processus clinoideus posterior; 4 - facies cerebralis; 5 - tuberculum sellae; 6 - foramen rotundum; 7 - spina ossis sphenoidalis; 8 - sulcus caroticus; 9 - processus clinoideus anterior; 10 - foramen ovale; 11 - foramen spinosum; 12 - ala major; 13 - fissura orbitalis superior; 14 - margo parietalis; 15 - ala minor; 16 - canalis opticus; 17 - sulcus prechiasmaticus.

- **processus pterygoideus,**
- **sella turcica,**
- **fossa hypophysialis,**
- **tuberculum sellae,**
- **dorsum sellae,**
- **processus clinoideus posteriores,**
- **sulcus prechiasmaticus,**
- **sulcus caroticus,**
- **crista sphenoidalis,**



18. 1 - concha sphenoidalis; 2 - apertura sinus sphenoidalis; 3 - fissura orbitalis superior; 4 - facies orbitalis; 5 - facies temporalis; 6 - incisura pterygoidea; 7 - lamina medialis processus pterygoidei; 8 - canalis pterygoideus; 9 - crista sphenoidalis; 10 - hamulus pterygoideus; 11 - lamina lateralis processus pterygoidei; 12 - foramen rotundum; 13 - ala major; 14 - ala minor; 15 - canalis opticus.

rostrum sphenoidale,

- (septum sinuum sphenoidalium)

conchae sphenoidales,

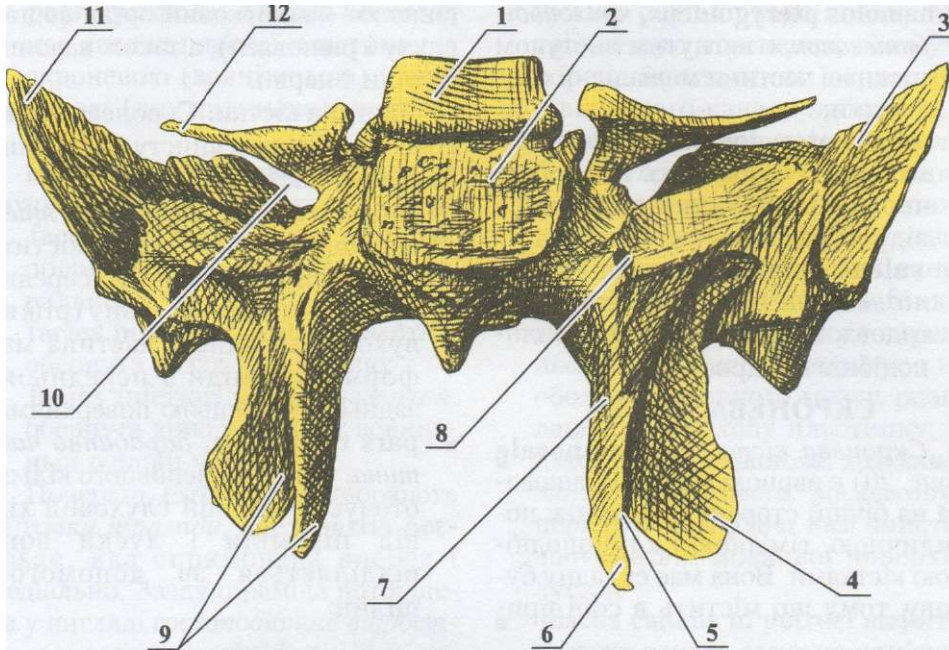
- • canalis opticus,

apertura sinus sphenoidalis,

- • fissura orbitalis superior,

sinus sphenoidalis,

- • processus clinoides anterior,

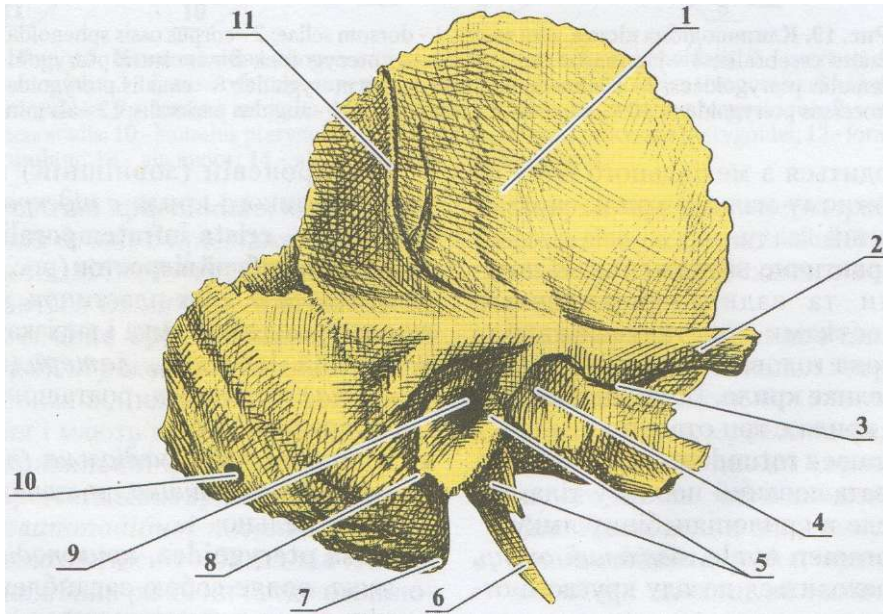


. 19. . 1 - dorsum sellae; 2 - corpus ossis sphenoidalis; 3 - facies cerebralis; 4 - lamina lateralis processus pterygoidei; 5 - incisura pterygoidea; 6 - hamulus pterygoideus; 7 - lamina medialis processus pterygoidei; 8 - canalis pterygoideus; 9 - processus pterygoideus; 10 - fissura orbitalis superior; 11 - angulus parietalis; 12 - ala minor.

() -
 ,
 , **crista infratemporalis.**
 (. 19)

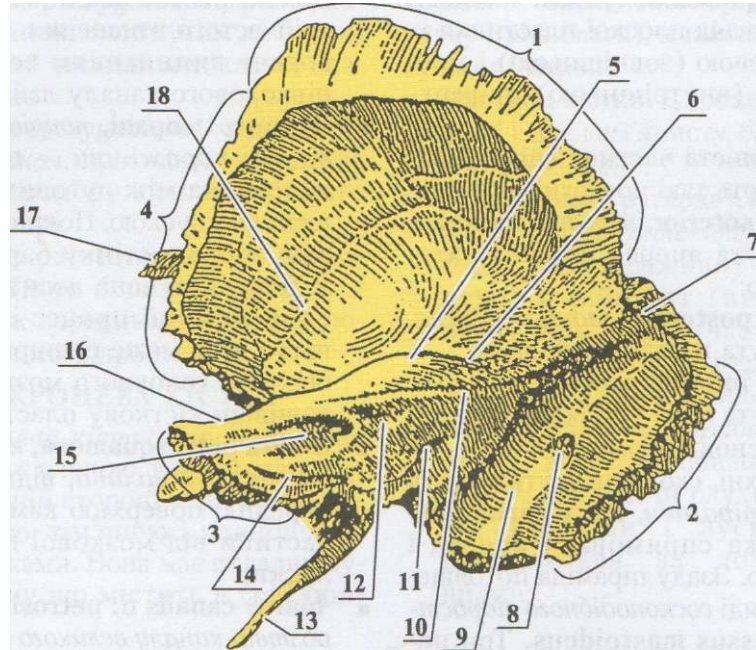
- **lamina lateralis,**
- **lamina medialis,**
- **fossa pterygoidea,**
- **incisura pterygoidea,**
- **foramen rotundum,**
- **foramen ovale,**
- **foramen spinosum,**

- **hamulus pterygoideus,** - — (
 - **canalis pterygoideus,** - (. 21) ,
 - **sulcus palatinus major,** -) (
 - **pars petrosa (pyramis),** -
 - **pars tympanica,** -
 - **os temporale** -
- (. 20) ,



. 20. . 1 - pars squamosa; 2 - processus zygomaticus; 3 - tuberculum articulare; 4 - fossa mandibularis; 5 - pars tympanica; 6 - processus styloideus; 7 - processus mastoideus; 8 - fissura tympanomastoidea; 9 - porus acusticus externus; 10 - foramen mastoideum; 11 - sulcus a. temporalis mediae.

- **pars squamosa,**
- **facies anterior,**
- **facies posterior,**
- **facies inferior,**
- **partis petrosae,**
- **processus mastoideus.**
- **margo anterior partis petrosae,**
- **margo superior partis petrosae,**
- **margo posterior partis petrosae,**
- **impressio trigeminalis,**
- **eminentia arcuata,**
- **tegmen tympani,**
- **fissura petrosquamosa,**
- **hiatus canalis n. petrosi majoris,**
- **sulcus n. petrosi majoris,**
- **hiatus canalis n. petrosi minoris,**
- **sulcus n. petrosi minoris,**
- **sulcus sinus petrosi superioris,**
- **porus acusticus internus,**



. 21. . 1 - margo parietalis; 2 - margo occipitalis; 3 - pars petrosa; 4 - margo sphenoidalis; 5 - eminentia arcuata; 6 - tegmen tympani; 7 - margo superior partis petrosae; 8 - foramen mastoideum; 9 - sulcus sinus sigmoidei; 10 - sulcus sinus petrosi superioris; 11 - apertura canaliculi vestibuli; 12 - fossa subarcuata; 13 - processus styloideus; 14 - sulcus sinus petrosi inferioris; 15 - porus acusticus internus; 16 - impressio trigemini; 17 - processus zygomaticus; 18 - sulcus arteriosus.

meatus acusticus internus,

apertura canaliculi vestibuli,

sulcus sinus petrosi inferioris,

apertura canaliculi cochleae,

(.22):
processus styloideus,

foramen stylomastoideum,

fossa jugularis,

incisura jugularis,

canalis caroticus,

(apertura externa),

interna);

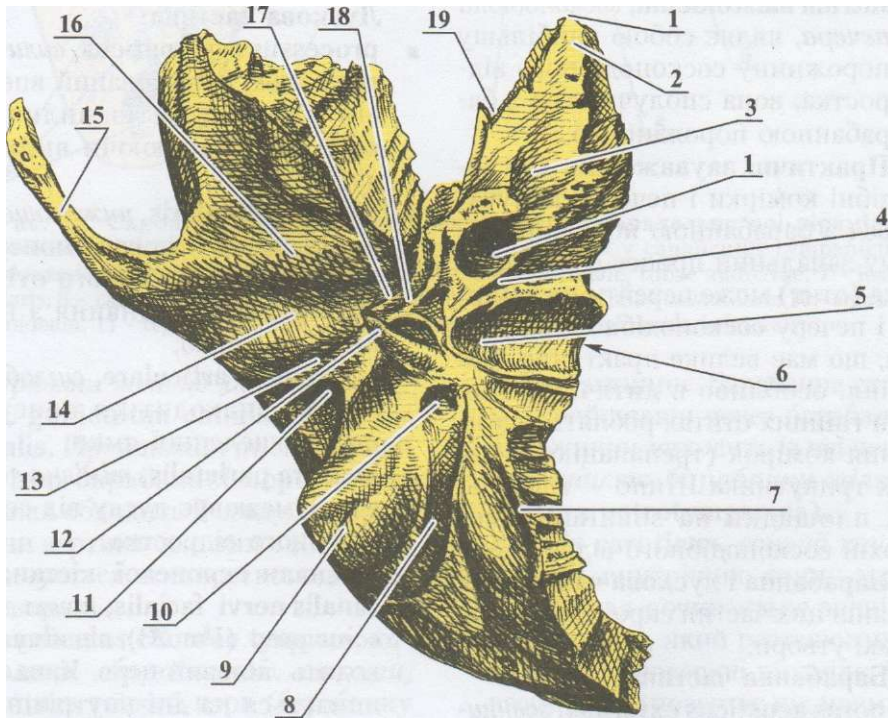
fossula petrosa,

canalis musculotubarius,

(apertura

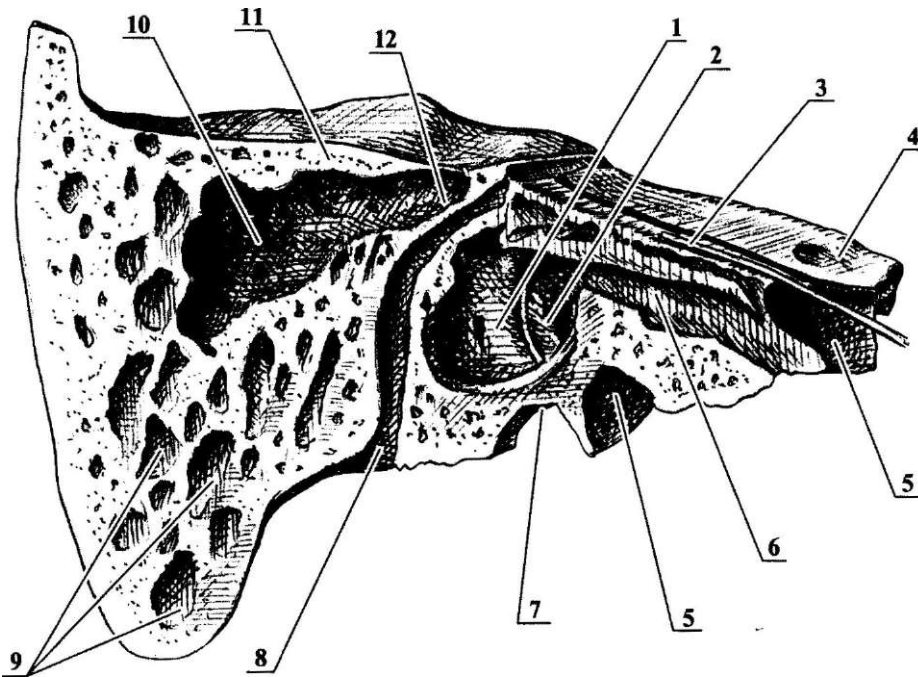
processus mastoideus,

incisura mastoidea,



22. 1 - canalis caroticus; 2 - facies superior partis petrosae; 3 - facies inferior partis petrosae; 4 - fossula petrosa; 5 - fossa jugularis; 6 - incisura jugularis; 7 - sulcus arteriae occipitalis; 8 - incisura mastoidea; 9 - processus mastoideus; 10 - foramen stylomastoideum; 11 - meatus acusticus externus; 12 - processus styloideus; 13 - fissura tympanosquamosa; 14 - fossa mandibularis; 15 - processus zygomaticus; 16 - tuberculum articulare; 17 - fissura petrosquamosa; 18 - fissura petrotympanica; 19 - canalis musculotubarius.

- **sulcus arteriae occipitalis,** - , -
- **foramen mastoideum,** - ; -
- **sulcus sinus sigmoidei,** - ; -
- **cellulae mastoideae,** - (fissura petrosquamosa) (fissura petrotympanica); -
- **antrum mastoideum,** - • **fissura tympanomastoidea,** - ; -
- **processus zygomaticus,** - ; -
- **fossa mandibularis,** - ; -
- **tuberculum articulare,** - ; -
- **incisura parietalis,** - ; -
- **canalis nervi facialis,** - (.23), -
- **porus acusticus externus,** - ; -
- **meatus acusticus externus,** - (,), -



. 23.

1 - promontorium; 2 - cavum tympani; 3 - canaliculus tympanicus; 4 - impressio trigeminalis; 5 - canalis caroticus; 6 - semicanalis tubae auditivae; 7 - fossa jugularis; 8 - canalis facialis et foramen stylomastoideum; 9 - cellulae mastoideae; 10 - antrum mastoideum; 11 - tegmen tympani; 12 - prominentia canalis semicircularis lateralis.

, geniculum nervi facialis.

(fissura petrotympanica).

- canalis caroticus,

- canaliculus chordae tympani,

).

- canaliculi caroticotympanici,

canalis musculotubarius,

semicanalis m. tensoris tympani,

semicanalis tubae auditivae,

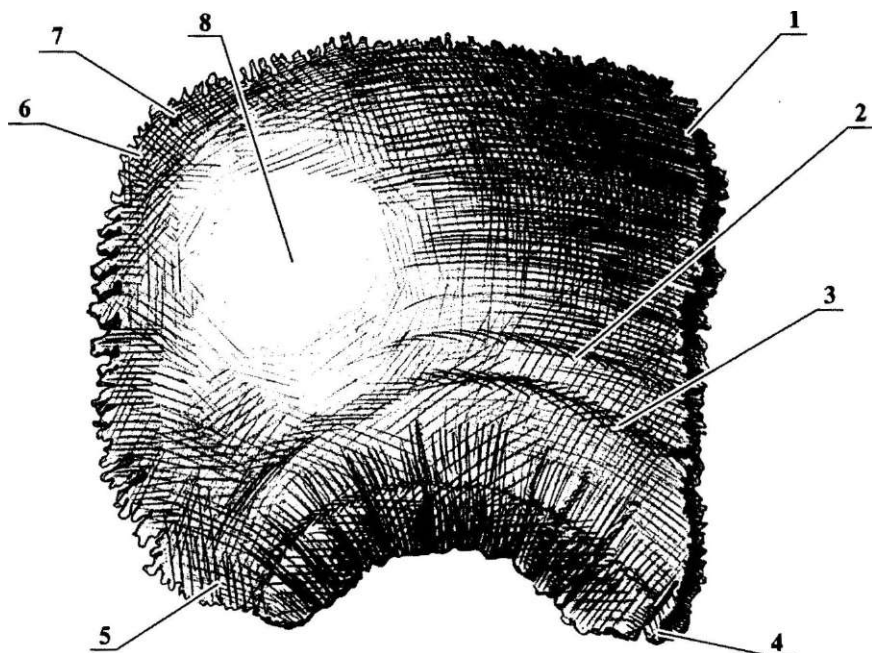
canaliculus tympanicus,

sulcus promontorii

canaliculus mastoideus,

os parietale,

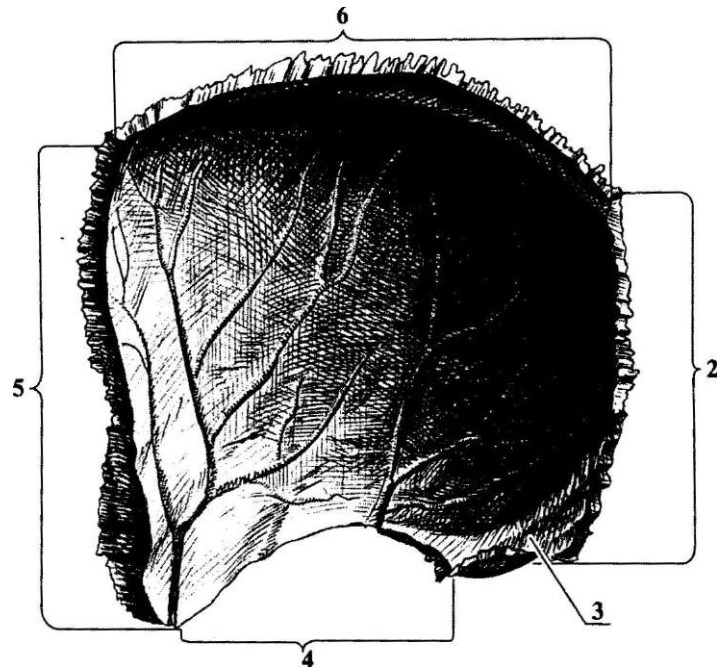
- **margo sagittalis,**
- **margo frontalis,**
- **margo occipitalis,**
- **margo squamosus,**
- **angulus frontalis,**
- **angulus sphenoidalis,**
- **angulus occipitalis,**



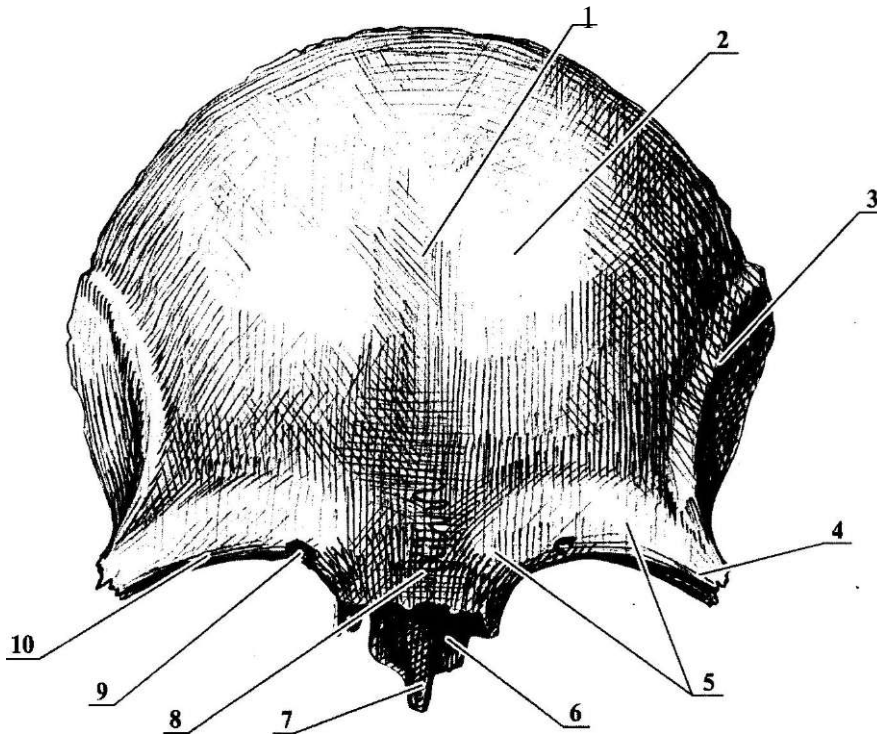
. 24. 1 - angulus frontalis; 2 - linea temporalis superior; 3 - linea temporalis inferior; 4 - angulus sphenoidalis; 5 - angulus mastoideus; 6 - angulus occipitalis; 7 - foramen parietale; 8 - tuber parietale.

- angulus mastoideus,
- tuber parietale,
- linea temporalis (superior et inferior),
- foramen parietale,
- sulcus sinus sagittalis superioris,
- sulcus sinus sigmoidei,
- foveolae granulares,
- sulci arteriosi,
- os frontale

- squama frontalis, arcus superciliaris,
- pars orbitalis, glabella,
- pars nasalis, margo supraorbitalis,
- tuber frontale, incisura supraorbitalis,
- (foramen supraorbitale).



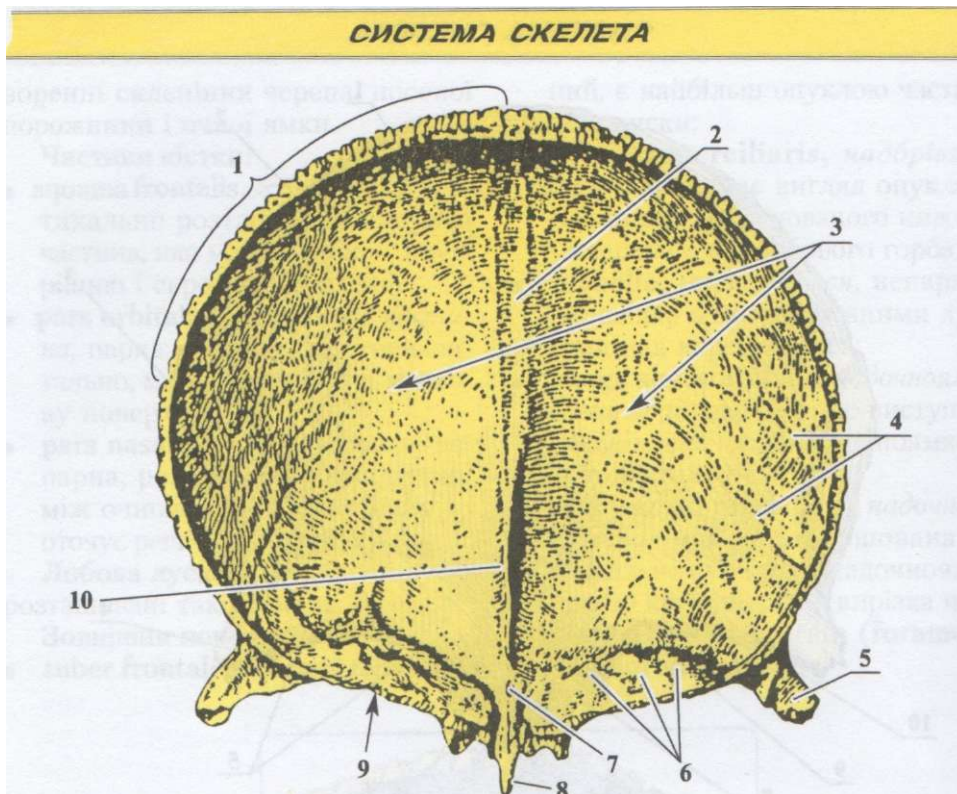
.25. 1 - sulcus sinus sagittalis superioris; 2 - margo occipitalis; 3 - sulcus sinus sigmoidei; 4 - margo squamosus; 5 - margo frontalis; 6 - margo sagittalis.



26. 1 - squama frontalis; 2 - tuber frontale; 3 - linea temporalis; 4 - processus zygomaticus; 5 - arcus superciliaris; 6 - pars nasalis; 7 - spina nasalis; 8 - glabella; 9 - incisura supraorbitalis (foramen supraorbitale); 10 - margo supraorbitalis.

- processus zygomaticus,
- linea temporalis,
- crista frontalis,
- foramen caecum,
- sulcus sinus sagittalis superioris,
- foveolae granulares,
- sulci arteriosi,
- fossa glandulae lacrimalis,

СИСТЕМА СКЕЛЕТА



27. 1 - margo parietalis; 2 - sulcus sinus sagittalis superioris; 3 - facies interna; 4 - sulci arteriosi; 5 - processus zygomaticus; 6 - impressioes digitatae; 7 - foramen caecum; 8 - spina nasalis; 9 - pars orbitalis; 10 - crista frontalis.

- • **juga cerebralia,**
 -
 ;
fovea trochlearis,
 , (-
 -
);
spina trochlearis, 1 (-
 - • **spina nasalis,** ; -
 - • **apertura sinus frontalis,** -
 -
 - • **incisura ethmoidalis,** ; -
 ;
 1_

• sinus frontalis,

(. .).

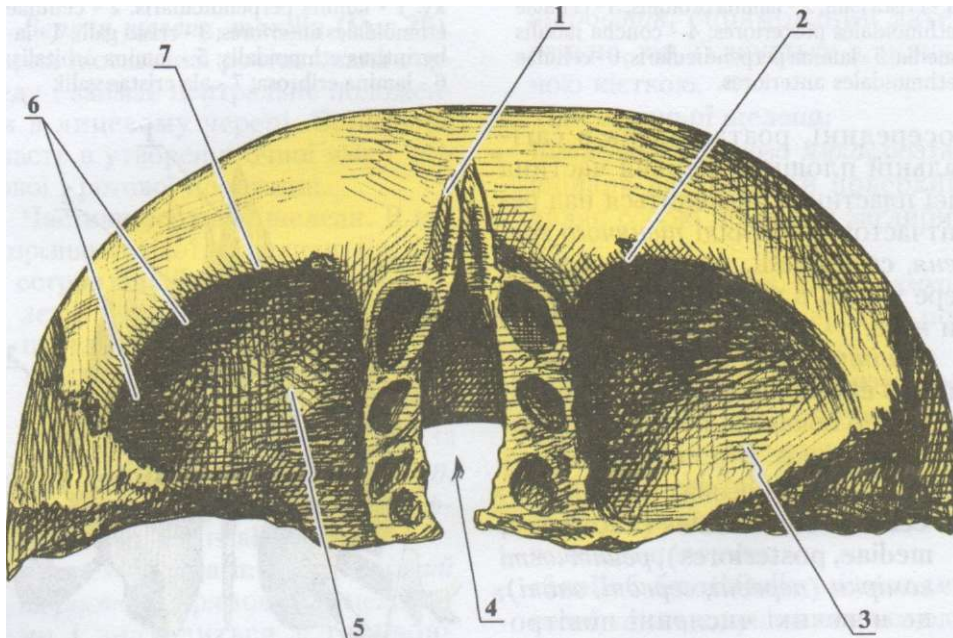
lamina
cribrosa,

(. .)

, os ethmoidale¹

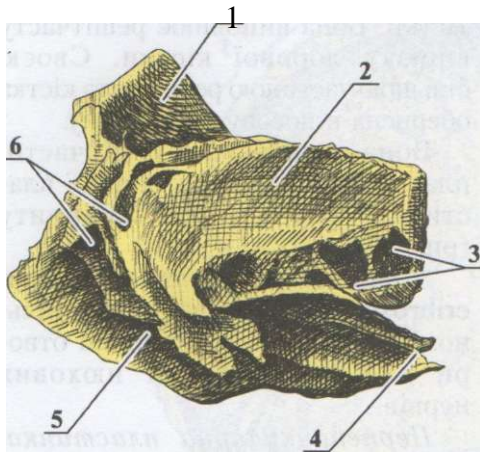
lamina perpendicularis,

(. . 29)

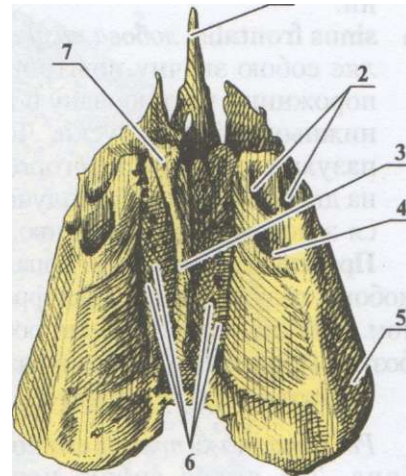


28. 1 - margo nasalis; 2 - incisura supraorbitalis; 3 - facies supraorbitalis; 4 - incisura ethmoidalis; 5 - pars orbitalis; 6 - fossa supraorbitalis; 7 - lamina perpendicularis.

¹ — ethos (греч.) —



29.
1 - crista galli; 2 - lamina orbitalis; 3 - cellulae ethmoidales posteriores; 4 - concha nasalis media; 5 - lamina perpendicularis; 6 - cellulae ethmoidales anteriores.

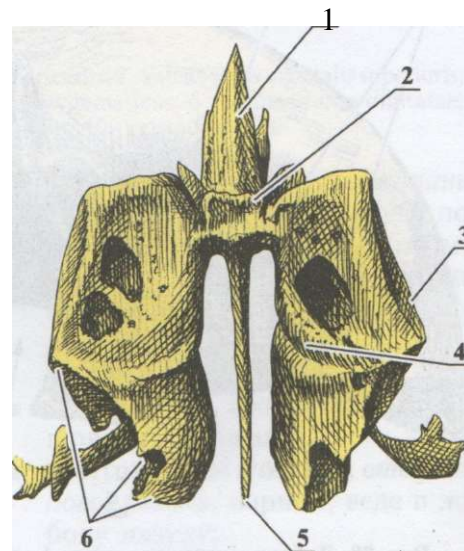


1 - lamina perpendicularis; 2 - cellulae ethmoidales anteriores; 3 - crista galli; 4 - labyrinthus ethmoidalis; 5 - lamina orbitalis; 6 - lamina cribrosa; 7 - ala cristae galli.

, crista galli,
rinhuis ethmoidalis (. 31), laby-

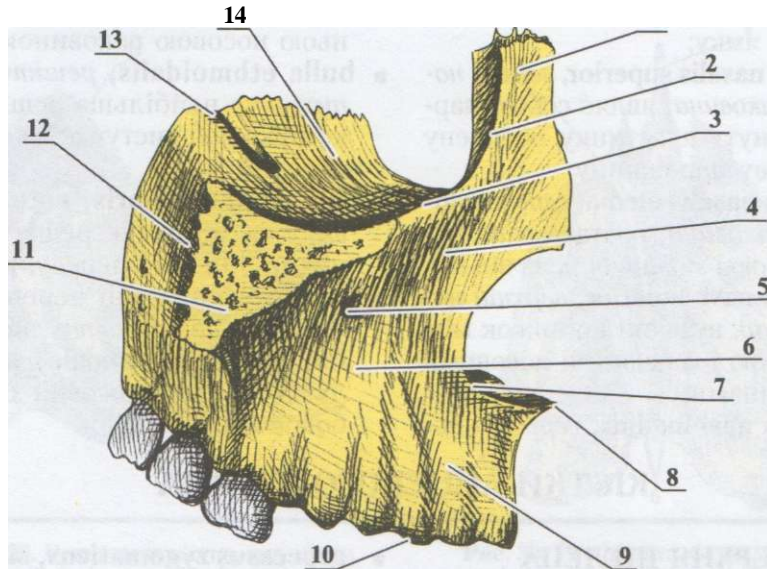
- cellulae ethmoidales (anteriores, mediae, posteriores),

- lamina orbitalis,

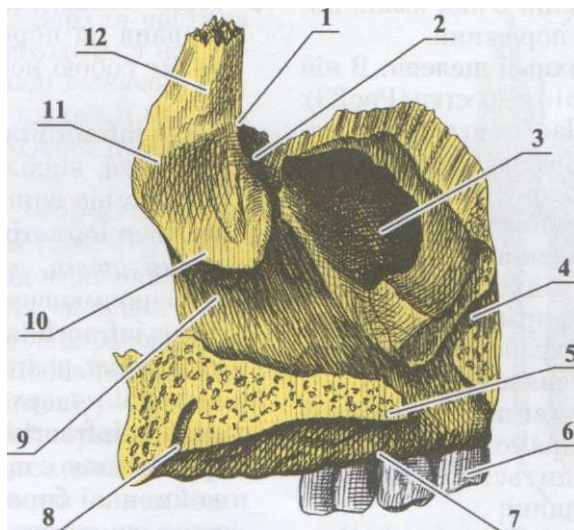


1 - crista galli; 2 - lamina cribrosa; 3 - lamina orbitalis; 4 - concha nasalis superior; 5 - lamina perpendicularis; 6 - labyrinthus ethmoidalis.

concha nasalis superior,	-	• bulla ethmoidalis,	-
concha nasalis media,	-	• hiatus semilunaris,	-
meatus nasi superior,	-	fundibulum ethmoidale),	(-
meatus nasi medius,	-	processus zygomaticus,	-
(.32),	-	fossa canina,	-
• corpus	-	margo infraorbitalis,	-
• processus alveolaris,	-	foramen infraorbitale,	-
arcus alveolaris;	-	sulcus infraorbitalis,	-
• processus palatinus,	-	canalis infraorbitalis,	-
• processus frontalis,	-	canales alveolares,	-

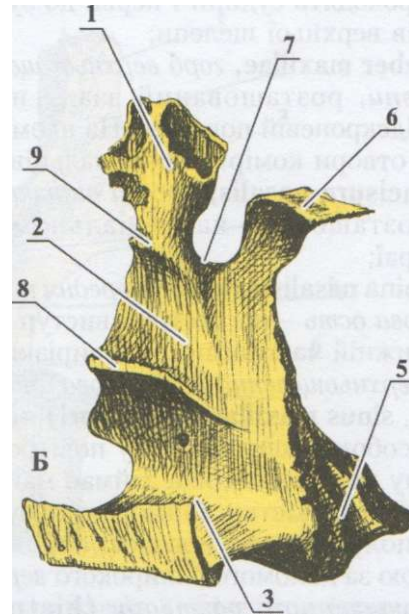
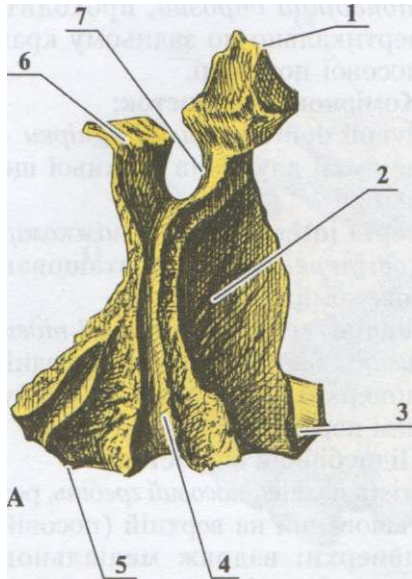


. 32. . 1 - processus frontalis; 2 - crista lacrimalis anterior; 3 - margo infraorbitalis; 4 - facies anterior; 5 - foramen infraorbitale; 6 - fossa canina; 7 - incisura nasalis; 8 - spina nasalis anterior; 9 - juga alveolaria; 10 - processus alveolaris; 11 - processus zygomaticus; 12 - tuber maxillae; 13 - sulcus infraorbitalis; 14 - facies orbitalis.



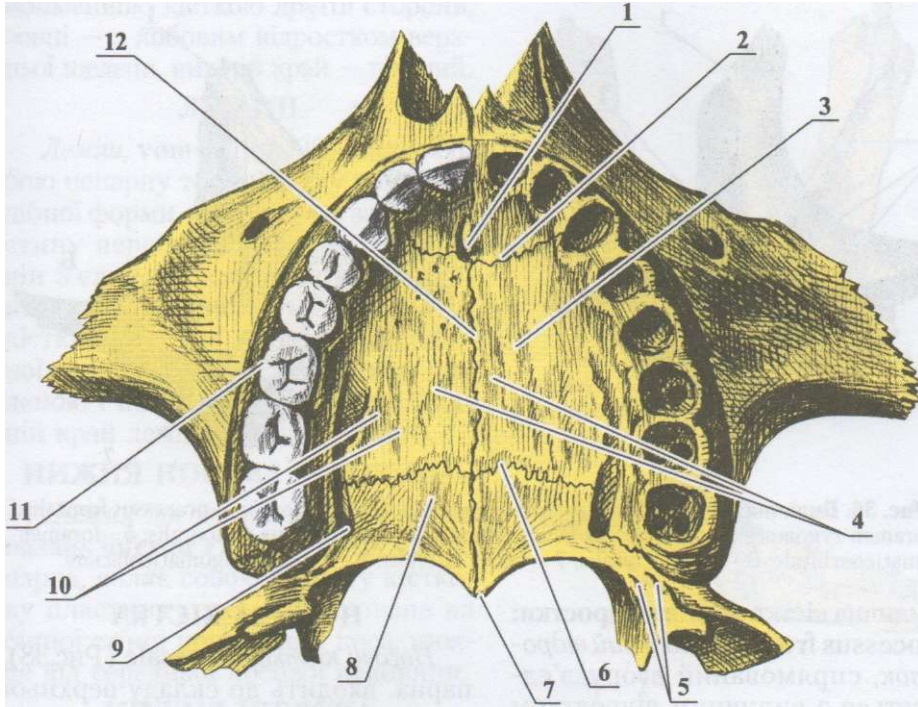
. 33. . 1 - margo lacrimalis; 2 - sulcus lacrimalis; 3 - hiatus maxillaris; 4 - sulcus palatinus major; 5 - processus palatinus; 6 - dens; 7 - processus alveolaris; 8 - canalis incisivus; 9 - facies nasalis; 10 - crista conchalis; 11 - crista ethmoidalis; 12 - processus frontalis.

- **tuber maxillae,**
- **incisura nasalis,**
- **spina nasalis anterior,**
- **sinus maxillaris (Higraori)**
- **alveoli dentales,**
- **septa interalveolaria,**
- **juga alveolaria,**
- **crista nasalis,**
- **canalis incisivus,**
- **sulcus lacrimalis,**
- **crista ethmoidalis,**
- **crista conchalis,**
- **sulcus palatinus major,**
- **os palatinum**
- **lamina horizontalis,**
- **palatum osseum**
- **foramen palatinum majus,**



34. 1 - processus orbitalis; 2 - lamina perpendicularis; 3 - lamina horizontalis; 4 - sulcus palatinus major; 5 - processus pyramidalis; 6 - processus sphenoidalis; 7 - incisura sphenopalatina; 8 - crista conchalis; 9 - crista ethmoidalis.

- | | |
|----------------------------|-------------------------|
| • crista nasalis, | incisura pterygoidea |
| • spina nasalis posterior, | processus orbitalis, |
| lamina perpendicularis, | processus sphenoidalis, |
| > incisura sphenopalatina, | sulcus palatinus major, |
| • processus pyramidalis, | |



35. 1 - foramen incisivum; 2 - sutura incisive; 3 - processus palatinus maxillae; 4 - torus palatinus; 5 - foramina palatina minora; 6 - sutura palatina transversa; 7 - spina nasalis posterior; 8 - lamina horizontalis ossis palatini; 9 - foramen palatinum majus; 10 - sulci palatini; 11 - processus alveolaris maxillae; 12 - sutura palatina mediana.

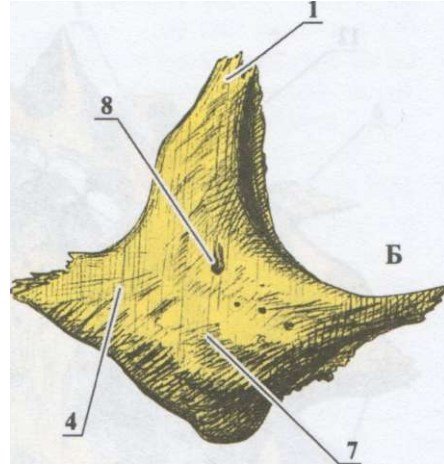
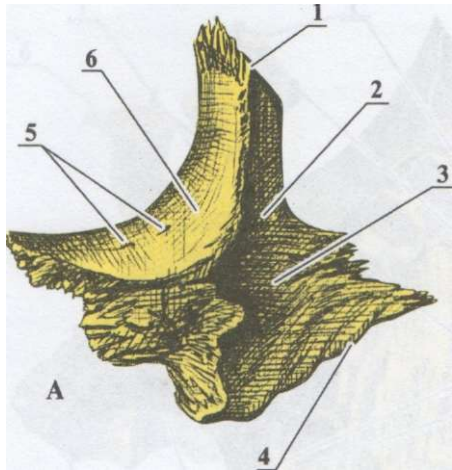
crista ethmoidalis,

os zygomaticum

(.36),

crista conchalis,

(foramen zygomaticofaciale, foramen zygomaticotemporale, foramen zygomaticoorbitale).



. 36. 1 - processus frontalis; 2 - foramen zygomaticotemporale; 3 - facies temporalis; 4 - processus temporalis; 5 - foramen zygomaticoorbitale; 6 - facies orbitalis; 7 - facies lateralis; 8 - foramen zygomaticofaciale.

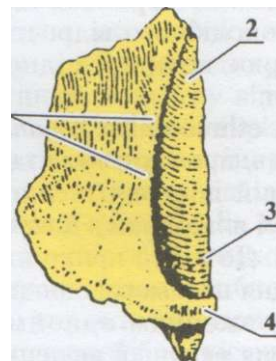
• **processus frontalis,**

• **processus temporalis,**

arcus zygomaticus.

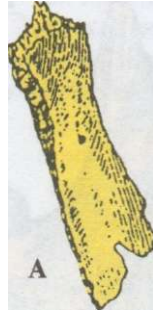
os lacrimale

fossa sacci lacrimalis.
(**crista lacrimalis anterior et posterior**).



. 37. 1 - crista lacrimalis posterior; 2 - sulcus lacrimalis; 3 - fossa sacci lacrimalis; 4 - hamulus lacrimalis.

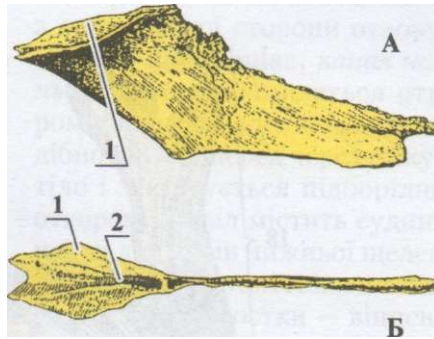
— , — ,
, vomer (.39),
,
, —



7 ' 7

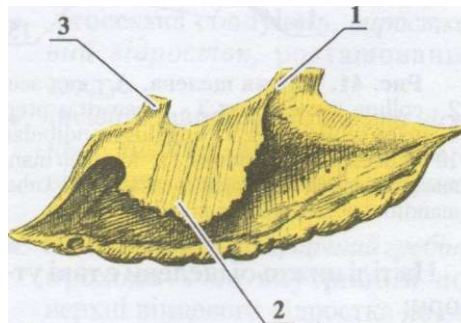
.38.
ethmoidalis. 1 - sulcus

nasalis inferior (.40). , concha
,
,



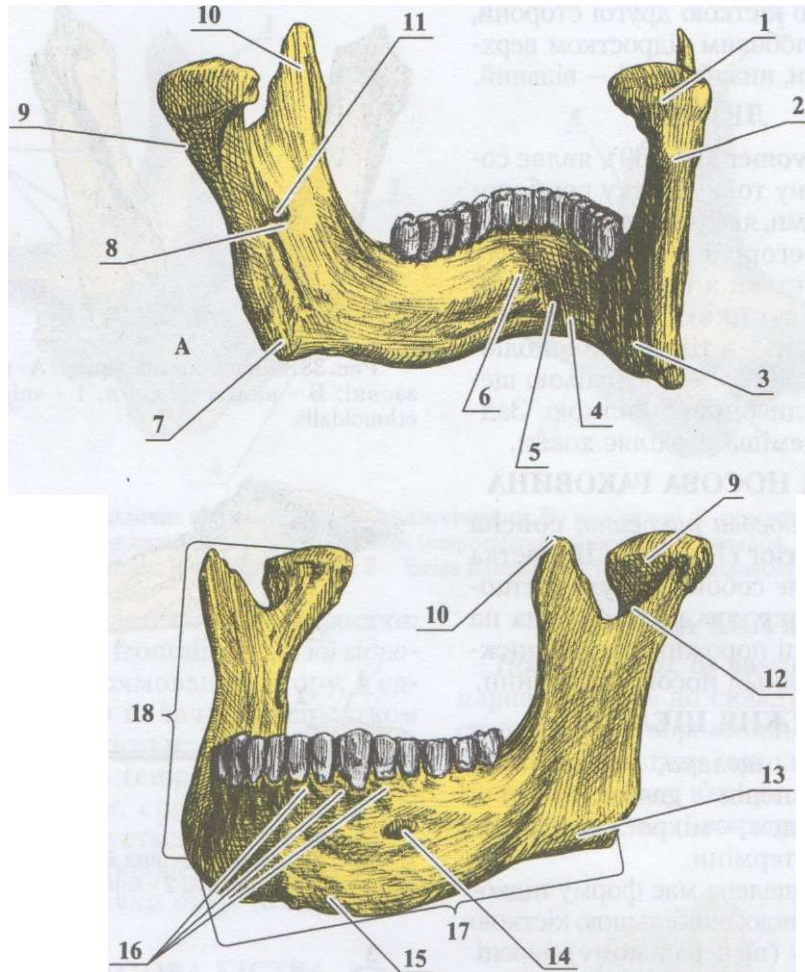
.39.
1 - ala vomeris; 2 - sulcus vomeris.

(.41), , mandibula
gnatos (.) —
;



.40.
1 - processus lacrimalis; 2 - processus maxillaries; 3 - processus ethmoidalis.

- **corpus mandibulae,**
(pars alveolaris),
- **ramus mandibulae,**
angulus mandibulae.



41. ; - . 1 - caput mandibulae; 2 - collum mandibulae; 3 - tuberositas pterygoidea; 4 - fossa digastrica; 5 - spina mentalis; 6 - fovea sublinguais; 7 - angulus mandibulae; 8 - lingula mandibulae; 9 - processus condylaris; 10 - processus coronoideus; 11 - foramen mandibulae; 12 - incisura mandibulae; 13 - tuberositas masseterica; 14 - foramen mentale; 15 - tuberculum mentale; 16 - juga alveolaria; 17 - corpus mandibulae; 18 - ramus mandibulae.

• protuberantia mentalis,

- • tuberculum mentale,

- • foramen mentale,

- **linea oblique,**
- **spina mentalis,**
- **basis mandibulae,**
- **fossa digastrica,**
- **fovea sublingualis,**
- **linea mylohyoidea,**
- **fovea submandibularis,**
- **arcus alveolaris,**
- **alveoli dentales,**
septa interalveolaria,
juga alveolaria,
- **tuberositas masseterica,**
- **tuberositas pterygoidea,**
- **foramen mandibulae,**
- **lingula mandibulae,**
- **canalis mandibulae,**
- **processus coronoideus,**
- **processus condylaris,**
- **incisura mandibulae,**
- **crista buccinatoria,**
- **caput mandibulae,**

• **collum mandibulae,**

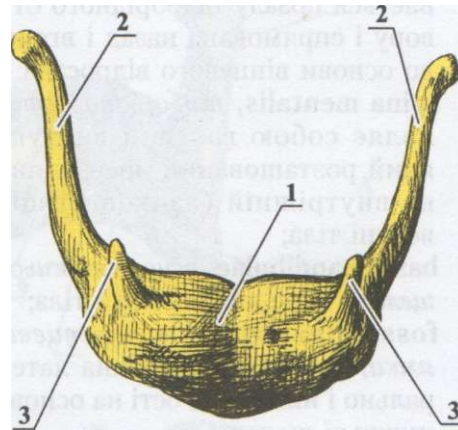
• **fovea pterygoidea,**

, os hyoideum

• **corpus,**

• **cornu majus,**

• **cornu minus,**



42.
1 - corpus; 2 - cornua majora; 3 - cornua minora.

(vertex), (frons)
(occiput).

• **sutura sagittalis,**

• **sutura coronalis,**

, calvaria,

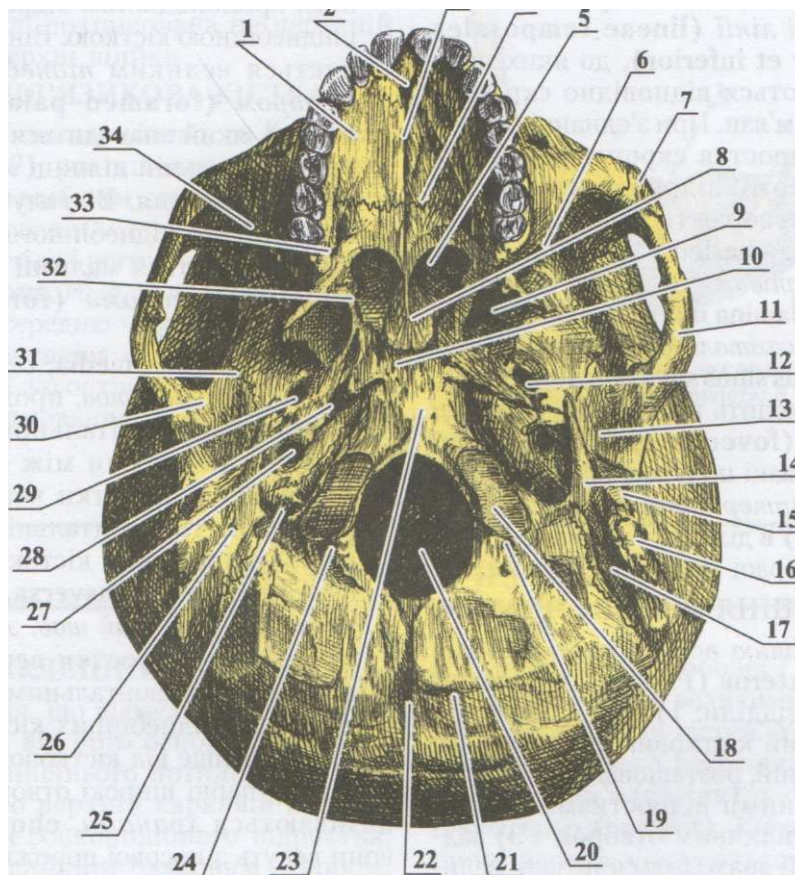
• **sutura lambdoidea,**

• sutura squamosa, (lineae temporales superior et inferior),
 arcus zygomaticus.
 (lamina interna)
 (sulcus sagittalis superioris),
 (foveolae granulares),
 arteriosi) (sulci
 cranii externa (basis
 : 1)
 2)
 3) choanae¹,
 osseum, palatum

• canalis incisivus,
 • canalis palatinus major,
 (foramen palatinum majus),
 (foramina palatina minora);
 • sutura palatina media,
 • sutura palatina transversa,

¹ — choanos () —

- foramen lacerum, , -
- fissura sphenopetrosa, -
- foramen jugulare, ,

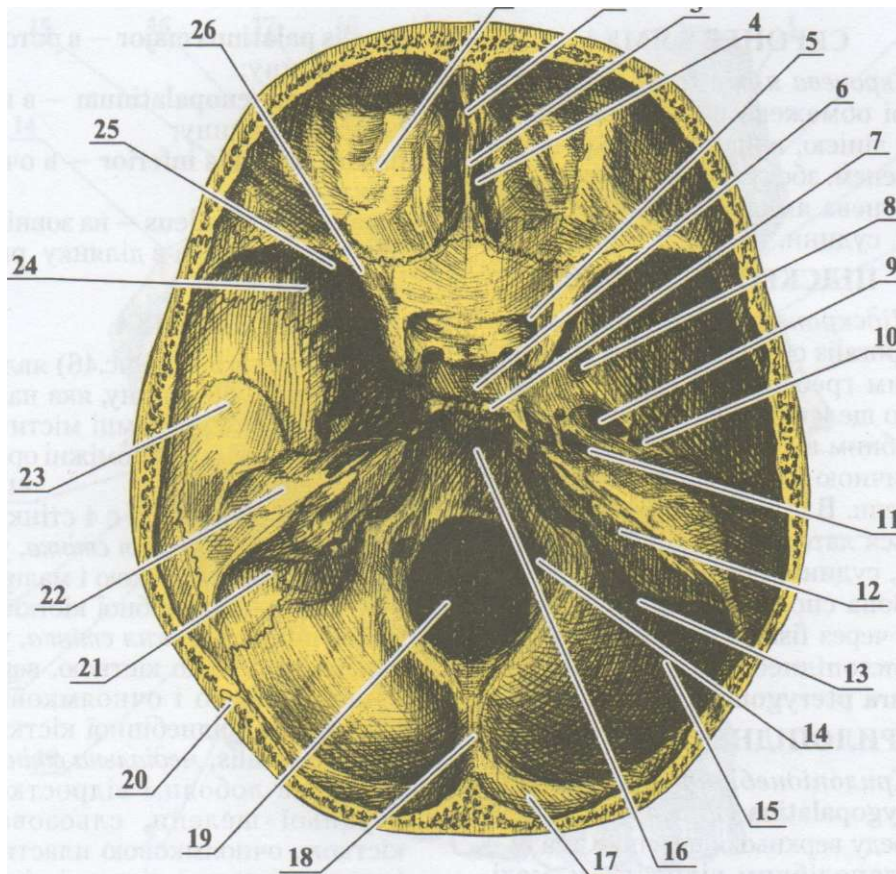


. 43. . 1 - processus palatinus maxillae; 2 - foramen incisivum; 3 - sutura palatina mediana; 4 - sutura palatina transversa; 5 - choana; 6 - fissura orbitalis inferior; 7 - os zygomaticum; 8 - ala vomeris; 9 - fossa pterygoidea; 10 - pars basilaris ossis occipitalis; 11 - arcus zygomaticus; 12 - foramen ovale; 13 - fossa mandibularis; 14 - processus styloideus; 15 - porus acusticus externus; 16 - processus mastoideus; 17 - incisura mastoidea; 18 - condylus occipitalis; 19 - fossa condylaris; 20 - foramen magnum; 21 - linea nuchalis inferior; 22 - protuberantia occipitalis externa; 23 - tuberculum pharyngeum; 24 - canalis condylaris; 25 - foramen jugulare; 26 - foramen stylomastoideum; 27 - canalis caroticus; 28 - foramen lacerum; 29 - foramen spinosum; 30 - tuberculum articulare; 31 - sutura sphenosquamosa; 32 - processus pterygoideus; 33 - foramen palatinum majus; 34 - fossa pterygopalatina.

• fissura petrooccipitalis,

, basis cranii interna (. 44),

• fossa cranii anterior,



. 44. . 1 - pars orbitalis ossis frontalis; 2 - foramen caecum; 3 - crista galli; 4 - lamina cribrosa; 5 - canalis opticus; 6 - fossa hypophysialis; 7 - dorsum sellae; 8 - foramen rotundum; 9 - foramen ovale; 10 - foramen spinosum; 11 - foramen lacerum; 12 - porus acusticus internus; 13 - foramen jugulare; 14 - canalis nervi hypoglossi; 15 - squama occipitalis; 16 - clivus; 17 - sulcus sinus transversi; 18 - protuberantia occipitalis interna; 19 - foramen magnum; 20 - sutura lambdoidea; 21 - sulcus sinus sigmoidei; 22 - pars petrosa ossis temporalis; 23 - pars squamosa ossis temporalis; 24 - ala major ossis sphenoidalis; 25 - fissura orbitalis superior; 26 - ala minor ossis sphenoidalis.

fossa cranii posterior, -

fossa cranii media, -

fossa temporalis -

fossa infra-temporalis -

fossa pterygopalatina (. 45) -

foramen rotundum, -

fossa cranii posterior, -

(clivus). -

- canalis palatinus major — -
- foramen sphenopalatinum — -
- fissura orbitalis inferior — -
- canalis pterygoideus — -

orbita (.46) -

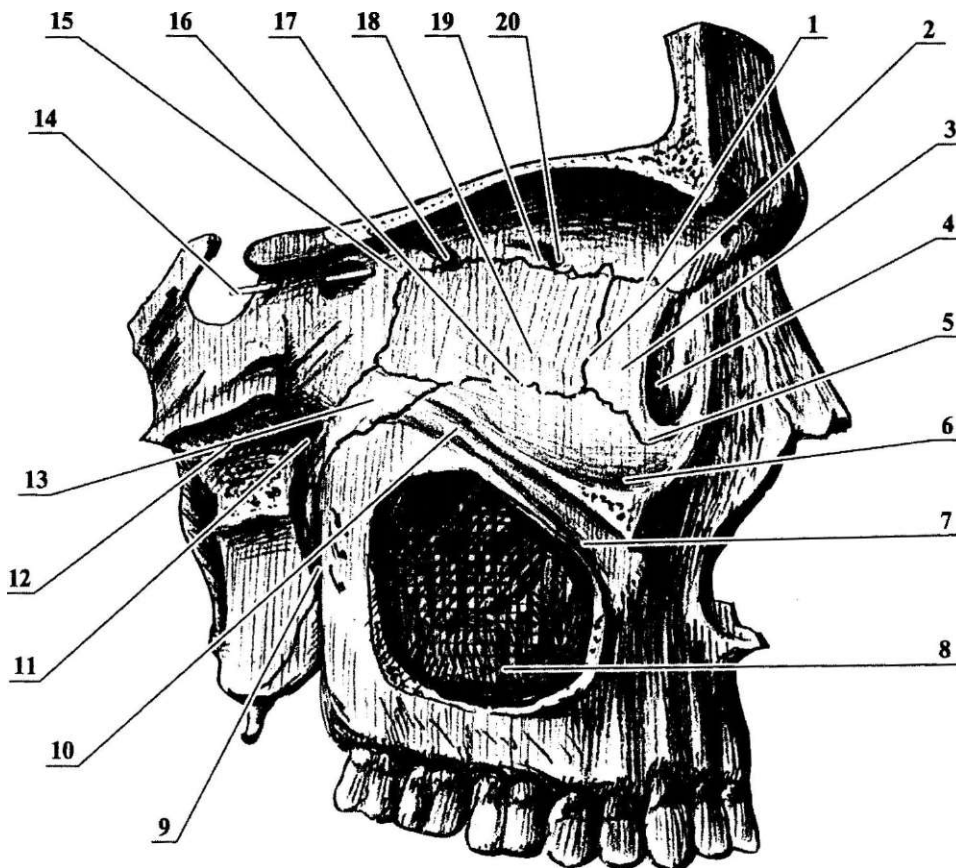
4 : -

- paries superior, -
- paries inferior, -
- paries medialis, -
- paries lateralis, -

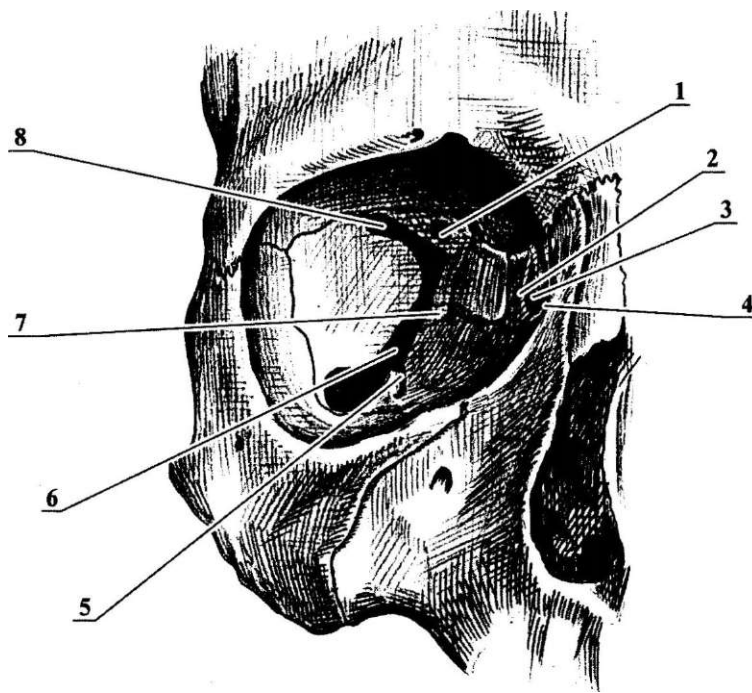
aditus orbitae,

fossa sacci lacrimalis,

fossa glandulae lacrimalis,



. 45. . 1 - sutura frontolacrimalis; 2 - sutura ethmoidolacrimalis; 3 - os lacrimale; 4 - crista lacrimalis posterior; 5 - sutura lacrimomaxillaris; 6 - facies orbitalis maxillae; 7 - canalis infraorbitalis; 8 - sinus maxillaries; 9 - sutura sphenomaxillaris; 10 - sulcus infraorbitalis; 11 - foramen sphenopalatinum; 12 - canalis pterygoideus; 13 - processus orbitalis laminae perpendicularis ossis palatini; 14 - canalis opticus; 15 - os sphenoidale; 16 - sutura ethmoidomaxillaris; 17 - foramen ethmoidale posterius; 18 - lamina orbitalis ossis ethmoidalis; 19 - sutura frontoethmoidalis; 20 - foramen ethmoidale anterius.



. 46. . 1 - canalis opticus; 2 - crista lacrimalis posterior;
 3 - fossa sacci lacrimalis; 4 - crista lacrimalis anterior; 5 - sulcus infraorbitalis; 6 - fissura
 orbitalis inferior; 7 - processus orbitalis ossis palatini; 8 - fissura orbitalis superior.

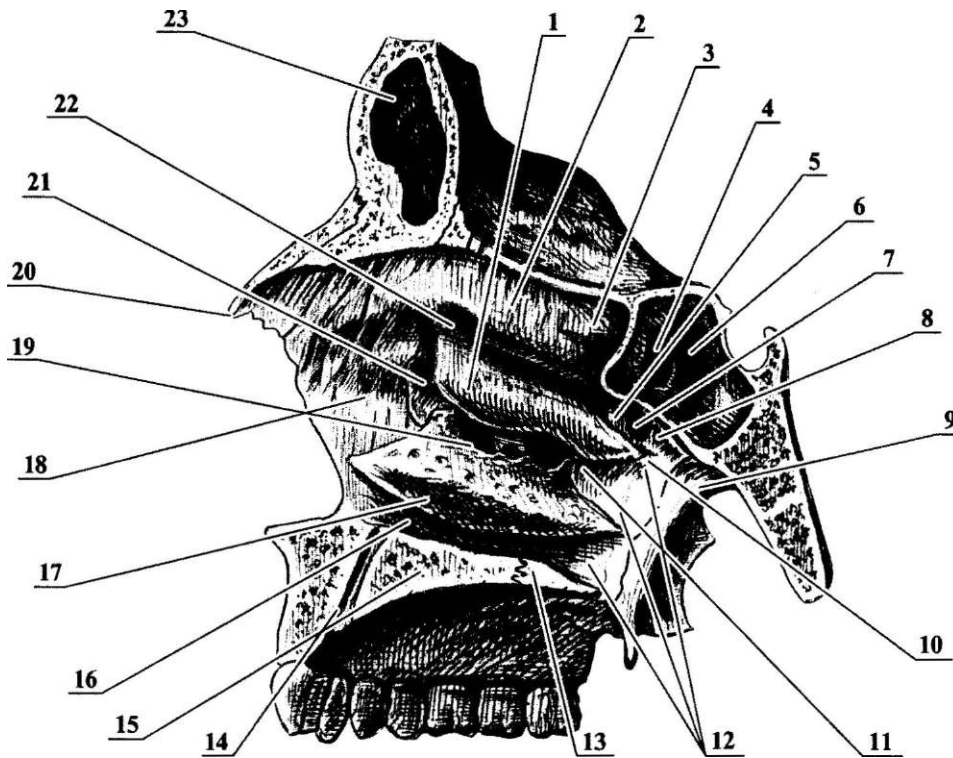
- canalis nasolacrimalis, - ferior; 3)
 - canalis nasolacrimalis; 4)
 - canalis
 infraorbitalis.

- foramen ethmoidale anterius et
 posterius, -
 - vitas nasalis ossea (. 47),
 -
 -

: 1)
 canalis , apertura piriformis, —
 opticus fissura orbitalis superior; 2) , choanae.

fissura orbitalis in- , :

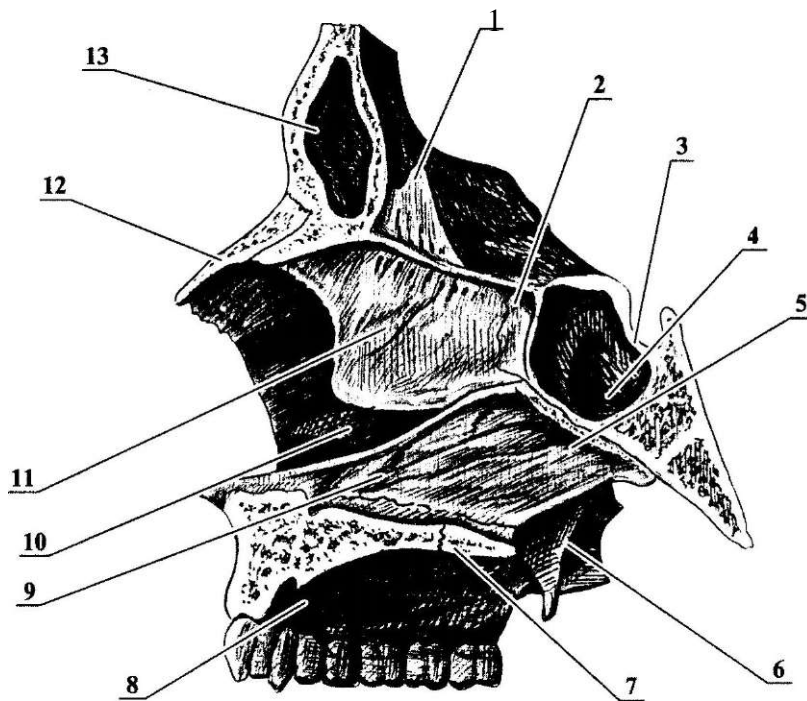
panes superior, , - , -
 , - , -
 ;
 paries inferior, , - , sep-
 paries lateralis, ; tum nasi osseum (.48),
 , () -
 , - (), -



. 47.

1 - concha nasalis media; 2 - concha nasalis superior; 3 - concha nasalis suprema; 4 - apertura sinus sphenoidalis; 5 - processus orbitalis laminae perpendicularis ossis palatini; 6 - sinus sphenoidalis; 7 - foramen sphenopalatinum; 8 - processus sphenoidalis laminae perpendicularis ossis palatini; 9 - lamina medialis processus pterygoidei; 10 - lamina perpendicularis ossis palatini; 11 - processus ethmoidalis; 12 - meatus nasopharyngeus; 13 - lamina horizontalis ossis palatini; 14 - canalis incisivus; 15 - processus palatinus; 16 - meatus nasi inferior; 17 - concha nasalis inferior; 18 - os lacrimale; 19 - processus lacrimalis; 20 - os nasale; 21 - meatus nasi medius; 22 - meatus nasi superior; 23 - sinus frontalis.

- concha nasalis superior,
- concha nasalis media,
- concha nasalis inferior,
- meatus nasi superior,
- meatus nasi medius,



48. 1 - crista galli; 2 - crista sphenoidalis; 3 - fossa hypophysialis; 4 - sinus sphenoidalis; 5 - ala vomeris; 6 - processus pterygoideus; 7 - lamina horizontalis ossis palatini; 8 - processus palatinus maxillae; 9 - vomer; 10 - concha nasalis inferior; 11 - lamina perpendicularis ossis ethmoidalis; 12 - os nasale; 13 - sinus frontalis.

• meatus nasi inferior, nalis nasolacrimalis.

11. ?

12.

13.

14.

15. : 1) ; 2) ; 3)

16. ?

17.

18.

19.

20. : 1) , 2) , 3) ?

21. ?

22.

23.

24. 1) , 2) , 3) ?

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 49). (• **fonticulus mastoideus,**
 1-
 • **fonticulus anterior,** (1-2
 • **fonticulus posterior,** (1
 (fonticuli lateralis):
 • **fonticulus sphenoidalis,**

, , -) , (-
 . , - . , -
 . , — , -
 , . -
 , , 25%, - . -
 — 75%. - , -
 3-4 - . -
 , , - . -
 , - . -
 . - -
 . - -
 ' () , -
 , - 2-3 . -
 , - — (0,1%). -
 . , (ossa suturalia)
 () 20% , (-
 4 10%.) (15%), — (1%).
 () 10% **culorum)** , **(ossa fonti-**

14%), — (1%).

(
(os incisivum).

(22%)
(palatum fissum).

13,8 , 17,5 — 13,4 . —

1000 2000 3
1400 3

(norma verticalis)

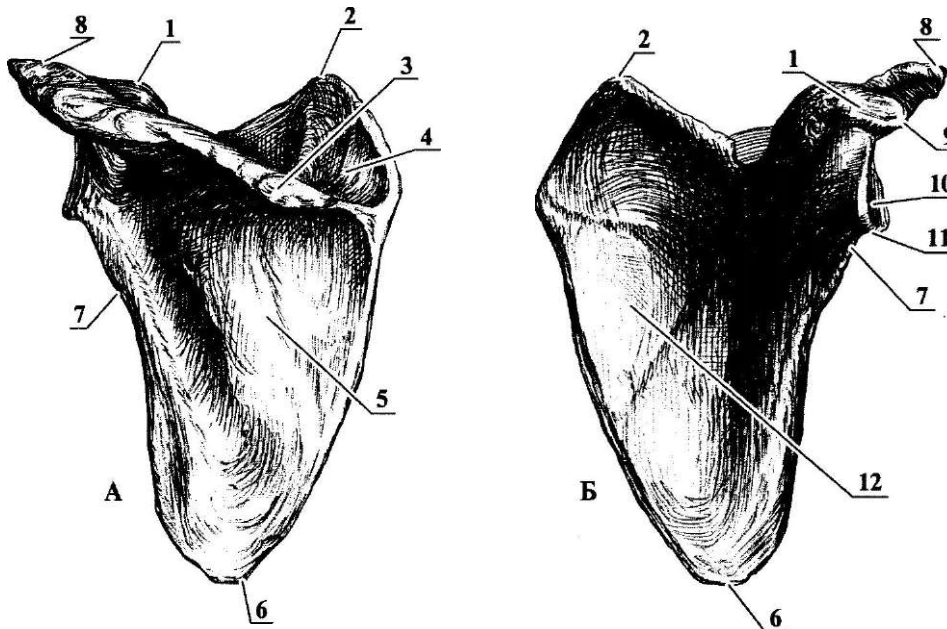
(75,) ()
75 79,9)
()
80. ()

,
 1450³, — 1350³,
 14-16
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- cingulum membri superioris,
(scapula),
(clavicula)

- pars libera membri superioris,
(umerus),
(antebrachii manus).

, scapula (.50),



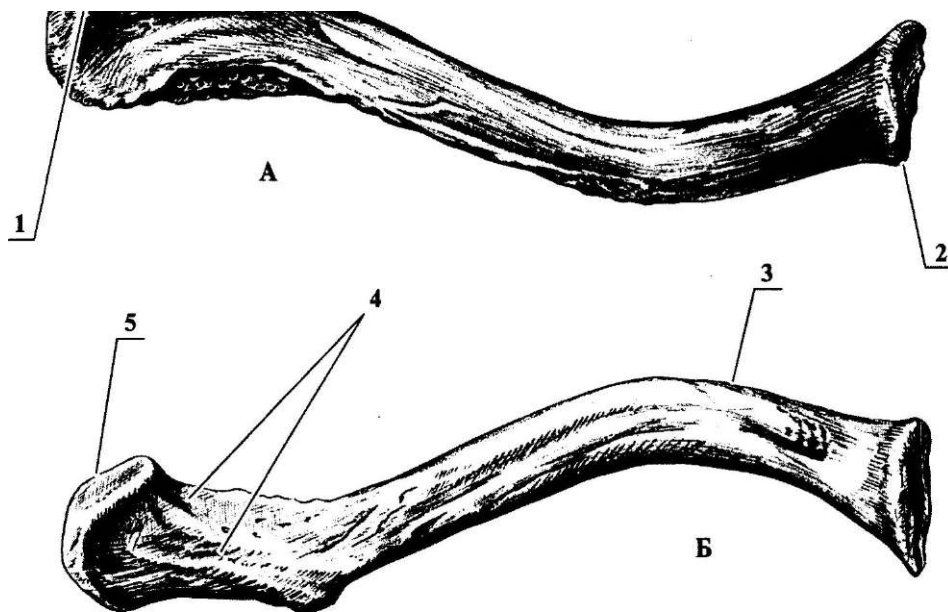
. 50. . 1 - processus coracoideus;
2 - angulus superior; 3 - spina scapulae; 4 - fossa supraspinata; 5 - fossa infraspinata; 6 - angulus inferior;
7 - tuberculum infraglenoidale; 8 - acromion; 9 - tuberculum supraglenoidale; 10 - cavitas glenoidalis; 11 - collum scapulae; 12 - fossa subscapularis.

-)
(facies costalis), —
(facies posterior). , fossa subscapularis, -
- spina scapulae, , -
 - acromion, \— - , clavicula³ (. 51), -
 - fossa supraspinata, ; - S
 - fossa infraspinata, ; -
 - incisura scapulae, - • corpus elavicae, ; -
 - cavitas glenoidalis, - • extremitas sternalis, ; -
 - collum scapulae, ; - • extremitas acromialis, ; -
 - tuberculum supraglenoidale, -
 - tuberculum infraglenoidale, ; -
 - processus coracoideus², - • impressio ligamenti costoclavicularis, - -
 - linea trapezoidea, ; -

* — acros (.) — , ;- omos (.) — .

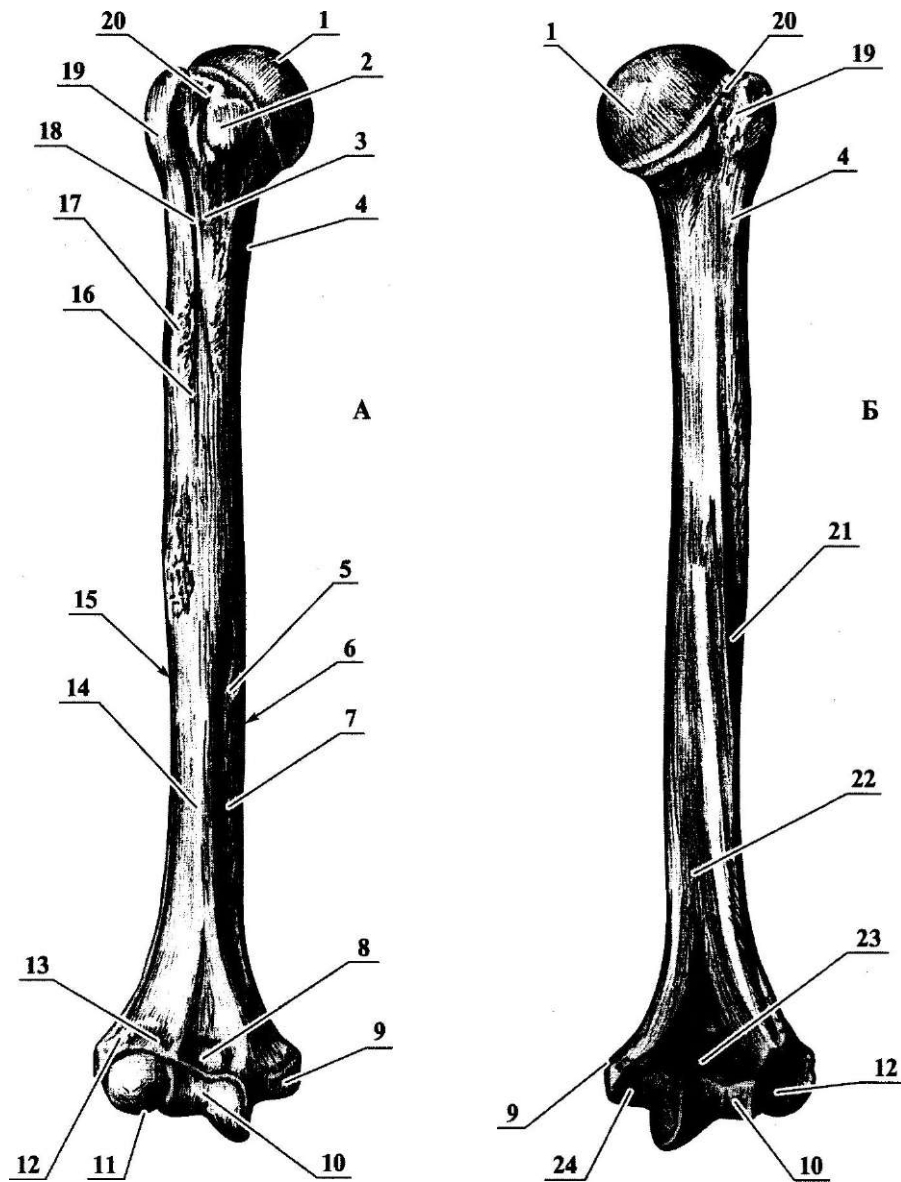
² — (.) — ;

³ — clavicula — S — , clavis — , ; cleis (.) — .



51. 1 - extremitas acromialis; 2 - extremitas sternalis; 3 - impressio ligamenti costoclavicularis; 4 - tuberculum conoideum et linea trapezoidea; 5 - facies articularis acromialis.

collum anatomicum,
 humerus (.52),
 collum chirurgicum,
 • caput humeri,
 tuberculum majus,
 tuberculum minus,



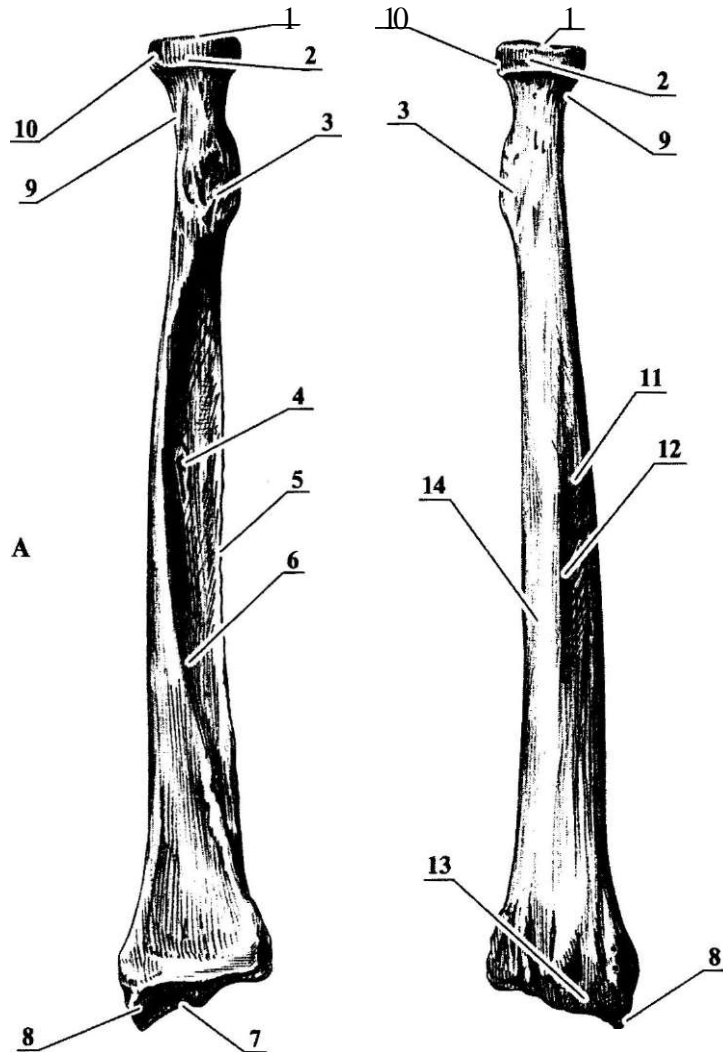
52. 1 - caput humeri; 2 - tuberculum minus; 3 - crista tuberculi minoris; 4 - collum chirurgicum; 5 - foramen nutricium; 6 - margo medialis; 7 - facies antero-medialis; 8 - fossa coronoidea; 9 - epicondylus medialis; 10 - trochlea humeri; 11 - capitulum humeri; 12 - epicondylus lateralis; 13 - fossa radialis; 14 - facies antero-lateralis; 15 - margo lateralis; 16 - tuberositas deltoidea; 17 - crista tuberculi majoris; 18 - sulcus intertubercularis; 19 - tuberculum majus; 20 - collum anatomicum; 21 - sulcus n. radialis; 22 - facies posterior; 23 - fossa olecrani; 24 - sulcus n. ulnaris.

- **crista tuberculi majoris,**
- **crista tuberculi minoris,**
- **sulcus intertubercularis,**
- **tuberositas deltoidea,**
- **sulcus nervi radialis,**
(sulcus spiralis);
- **condylus humeri,**
 - 1) **capitulum humeri,**
 - 2) **trochlea humeri,**
- **epicondylus medialis,**
- **sulcus n. ulnaris,**
- **epicondylus lateralis,**
- **fossa olecrani,**
- **fossa coronoidea,**
- **fossa radialis,**
- **caput radii,**
 - 1) **fovea articularis,**
 - 2) **circumferentia articularis,**
- **collum radii,**
- **tuberositas radii,**
- **margo interosseus,**

• **facies articularis carpalis,**

• **processus styloideus,**

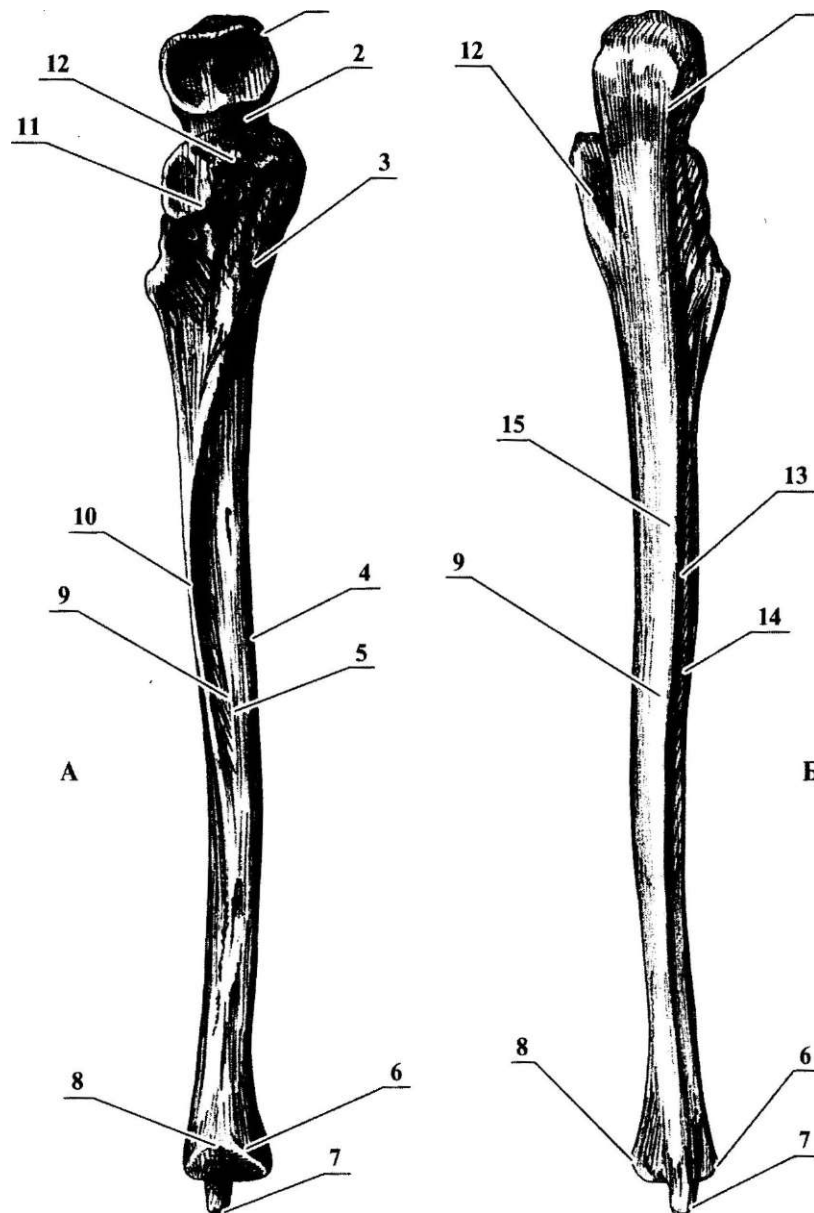
• **incisura ulnaris,**



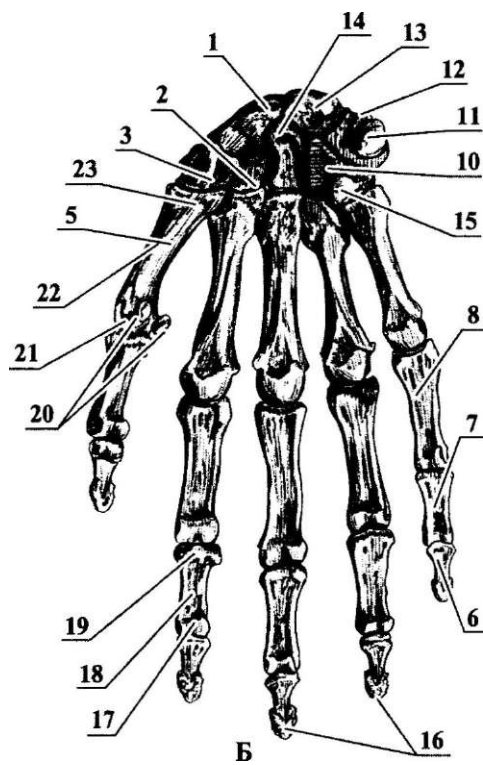
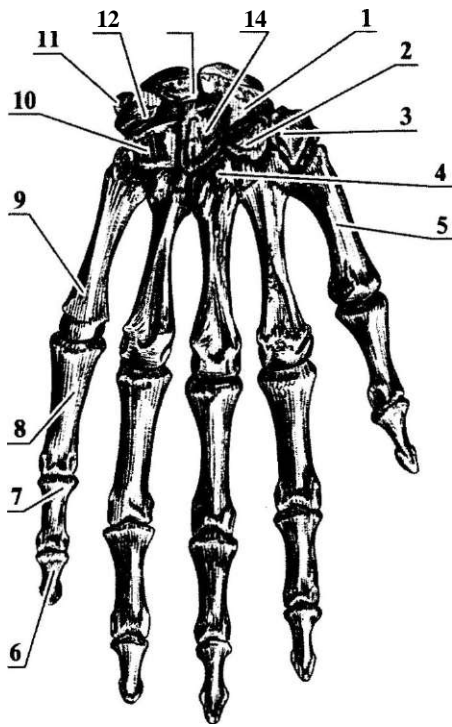
53. 1 - fovea articularis; 2 - circumferential articularis; 3 - tuberositas radii; 4 - foramen nutricium; 5 - margo interosseus; 6 - facies anterior; 7 - facies articularis carpalis; 8 - processus styloideus; 9 - collum radii; 10 - caput radii; 11 - facies lateralis; 12 - margo posterior; 13 - tuberculum dorsale; 14 - facies posterior.

• **margo interosseus,**
 • **caput ulnae,**
 • **circumferentia articularis,**
 • **processus styloideus,**
olecranon¹,
 • **processus coronoides,**
 • **incisura trochlearis,**
 • **tuberositas ulnae,**
incisura radialis,
 • **os scaphoideum,**
 • **os lunatum,**
os triquetrum,
os pisiforme²,

¹ — () — akros () —
² —



54. 1 - olecranon; 2 - incisura trochlearis; 3 - tuberositas ulnae; 4 - margo anterior; 5 - facies anterior; 6 - circumferentia articularis; 7 - processus styloideus; 8 - caput ulnae; 9 - corpus ulnae; 10 - margo interosseus; 11 - incisura radialis; 12 - processus coronoideus; 13 - margo posterior; 14 - facies posterior; 15 - facies medialis.



55, ; - . 1 - os scaphoideum; 2 - os trapezoideum; 3 - os trapezium; 4 - os sesamoideum; 5 - os metacarpale - I; 6 - phalanx distalis; 7 - phalanx media; 8 - phalanx proximalis; 9 - os metacarpale V; 10 - os hamatum; 11 - os pisiforme; 12 - os triquetrum; 13 - os lunatum; 14 - os capitatum; 15 - hamulus ossis hamati; 16 - tuberositas phalangis distalis; 17 - caput phalangis; 18 - corpus phalangis; 19 - basis phalangis; 20 - ossa sesamoidea; 21 - caput ossis metacarpi; 22 - corpus ossis metacarpi; 23 - basis ossis metacarpi.

- os trapezium, ; - ; sulcus .
- os trapezoideum,
- » os capitatum, , - , —
- os hamatum, ; -
- hamati. , hamulus ossis .
- , ossa metacarpi,
- , ossa metacarpalia (I-V).

• **basis,** , phalanges.
 • **corpus,** * **phalanx proximalis,**
 • **caput,** **phalanx media,**
phalanx distalis,
ossa digitorum,
: dactylos () — (tuberositas
phalangis distalis).
, pollex

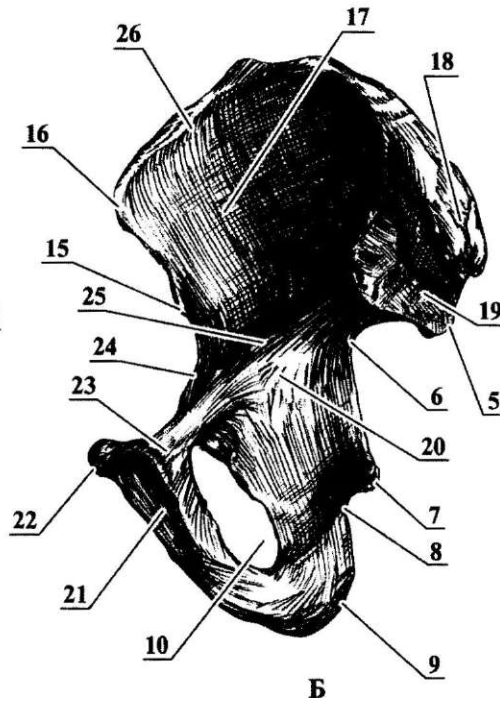
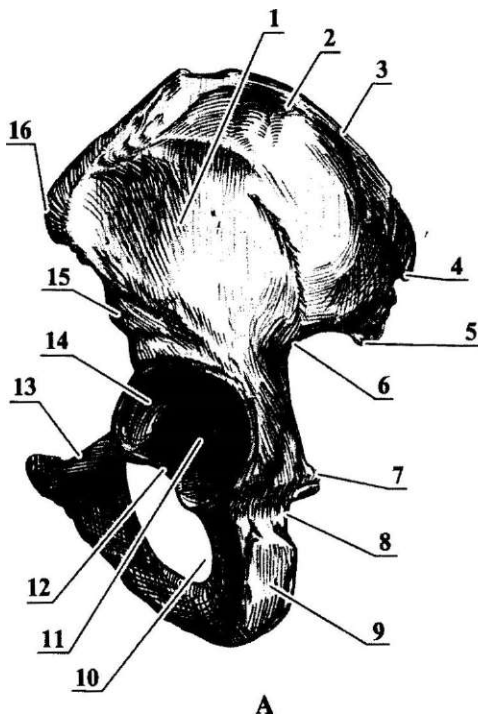
- | | | | | | | | |
|-----|---|---|---|-----|---|---|---|
| 1. | | | | 13. | : | | - |
| 2. | ? | , | ? | 14. | ? | , | - |
| 3. | | | | 15. | ? | | - |
| 4. | | | ? | 16. | ? | | - |
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| 6. | ? | | | 18. | ? | | - |
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| 9. | | | | 21. | ' | ? | - |
| 10. | | ? | | 22. | ? | | - |
| 11. | | | ? | | | | |
| 12. | | | ? | | | | |

- (),
(os);
pars libera membri inferioris,
- cingulum pelvicum (cingulum membri inferioris), (femur), (crus) (ossa pedis).
- , os , (.56)
15 ;
- ala ossis ilii,
 - linea arcuata,
 - acetabulum¹.
 - foramen obturatum.
 - limbus acetabuli,
 - incisura acetabuli,
 - fossa acetabuli,
 - facies lunata,
 - os ilium,
 - corpus ossis ilii,
 - crista iliaca,
 - spina iliaca anterior superior,
 - spina iliaca anterior inferior,
 - spina iliaca posterior superior,
 - spina iliaca posterior inferior,

¹ — acetum (.) — , acetabulum (.) —

- fossa iliaca,
- facies auricularis,
- tuberositas iliaca,

- facies glutea,
(lineae gluteae anterior, posterior, inferior),
- os ischii,
- corpus ossis ischii,



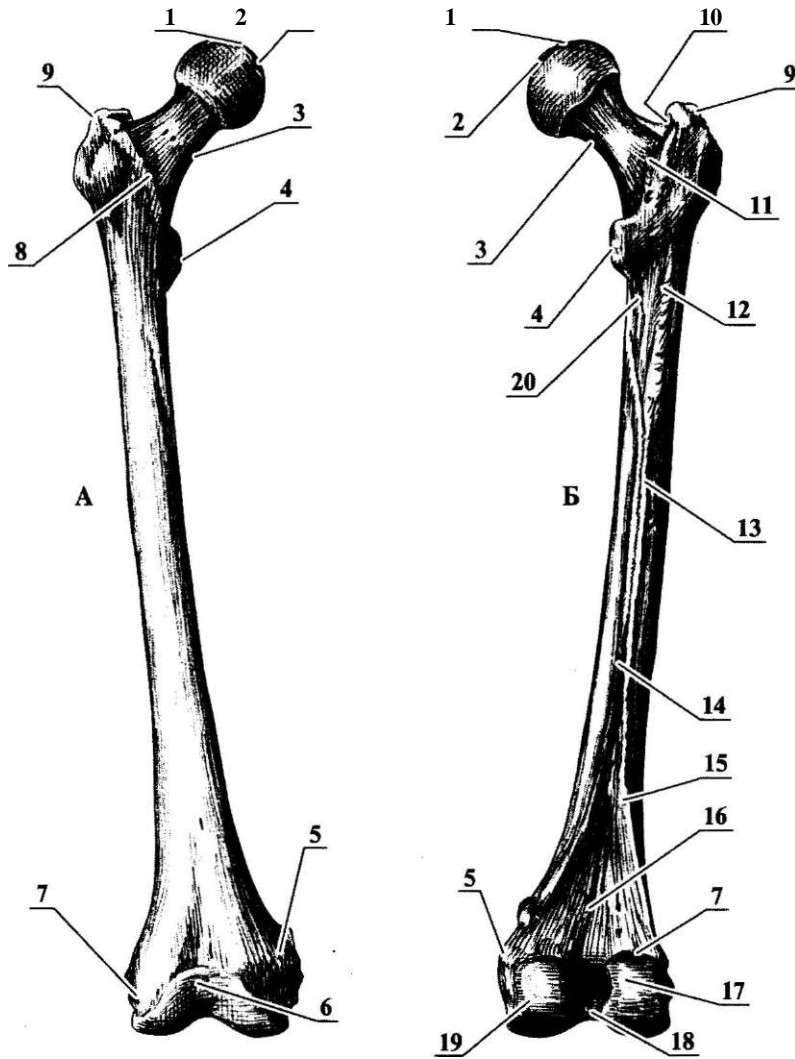
56. 1 - os ilium; 2 - labium externum; 3 - linea intermedia; 4 - spina iliaca posterior superior; 5 - spina iliaca posterior inferior; 6 - incisura ischiadica major; 7 - spina ischiadica; 8 - incisura ischiadica minor; 9 - tuber ischiadicum; 10 - foramen obturatum; 11 - fossa acetabuli; 12 - incisura acetabuli; 13 - ramus superior ossis pubis; 14 - facies lunata; 15 - spina iliaca anterior inferior; 16 - spina iliaca anterior superior; 17 - fossa iliaca; 18 - tuberositas iliaca; 19 - facies auricularis; 20 - corpus ossis ilii; 21 - facies symphyialis; 22 - tuberculum pubicum; 23 - pecten ossis pubis; 24 - eminentia iliopubica; 25 - linea arcuata; 26 - labium internum.

- ramus ossis ischii,
- tuber ischiadicum,
- spina ischiadica,
- incisura ischiadica major,
- incisura ischiadica minor,
- os pubis,
- corpus ossis pubis,
- femur (.57),
- caput femoris,
- ramus superior ossis pubis,
- ramus inferior ossis pubis,
- facies symphyialis,
- tuberculum pubicum,
- eminentia iliopubica,
- pecten ossis pubis,
- sulcus obturatorius,
- fovea capitis femoris,

- collum femoris,

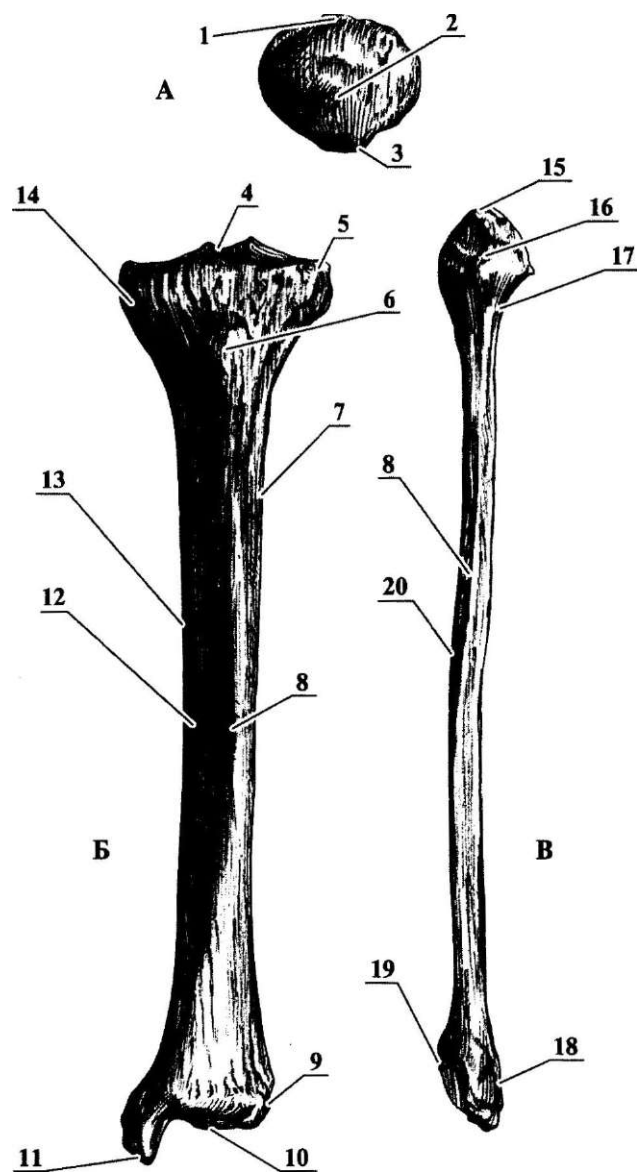
- trochanter major,

- fossa trochanterica,



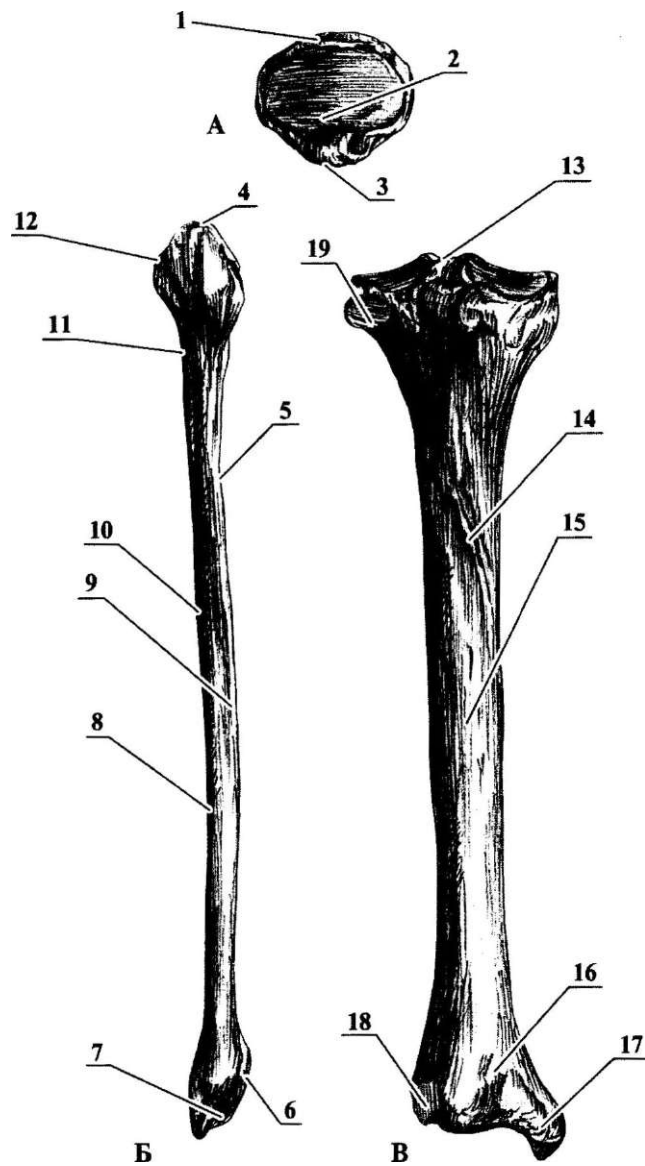
57. 1 - caput femoris; 2 - fovea capitis femoris; 3 - collum femoris; 4 - trochanter minor; 5 - epicondylus medialis; 6 - facies patellaris; 7 - epicondylus lateralis; 8 - linea intertrochanterica; 9 - trochanter major; 10 - fossa trochanterica; 11 - crista intertrochanterica; 12 - tuberositas glutea; 13 - linea aspera; 14 - labium mediale; 15 - labium laterale; 16 - facies poplitea; 17 - condylus lateralis; 18 - fossa intercondylaris; 19 - condylus medialis; 20 - linea pectinea.

- trochanter minor,
- crista intertrochanterica,
- linea intertrochanterica,
- linea aspera,
 -) labium laterale,
 -) labium mediale,
- tuberositas glutea,
- linea pectinea,
- facies poplitea,
- condylus medialis,
- condylus lateralis,
- fossa intercondylaris,
- epicondylus medialis,
- epicondylus lateralis,
- facies patellaris,
- patella (. 58, 59),
(basis patellae),
(),
- tibia
- (. 58,59),
- condylus medialis,
- articularis superior) (facies
- condylus lateralis,



. 58.

1 - basis patellae; 2 - facies anterior;
 - apex patellae; 4 - eminentia intercondylaris; 5 - condylus lateralis; 6 - tuberositas tibiae;
 7 - margo interosseus; 8 - margo anterior; 9 - incisura fibularis; 10 - facies articularis inferior;
 11 - malleolus medialis; 12 - facies medialis; 13 - margo medialis; 14 - condylus medialis; 15 - apex
 capitis fibulae; 16 - caput fibulae; 17 - collum fibulae; 18 - malleolus lateralis; 19 - facies articularis
 malleoli lateralis; 20 - facies medialis.

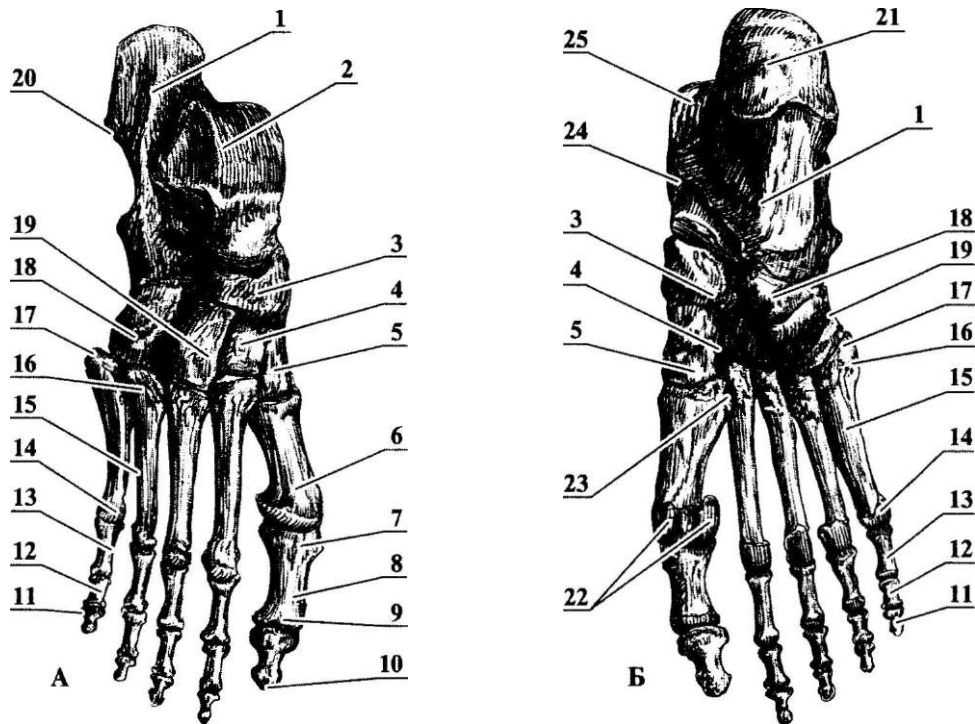


59. 1 - basis patellae; 2 - facies articularis; 3 - apex patellae; 4 - apex capitis fibulae; 5 - crista medialis; 6 - malleolus lateralis; 7 - sulcus malleolaris; 8 - facies lateralis; 9 - facies posterior; 10 - margo posterior; 11 - collum fibulae; 12 - caput fibulae; 13 - eminentia intercondylaris; 14 - linea m. solei; 15 - facies posterior; 16 - sulcus malleolaris; 17 - malleolus medialis; 18 - incisura fibularis; 19 - facies articularis fibularis.

• **facies articularis inferior,**
 eminentia intercondylaris,
 • **malleolus medialis,**
 (tuberculum intercondylare mediale et laterale);
 area intercondylaris anterior,
 • **incisura fibularis,**
 intercondylaris posterior,
 facies articularis fibularis, (. 58, 59), fibula* : os perone
 (.)—
 tuberositas tibiae,
 • **caput fibulae,**
 margo anterior,
 (facies articularis capitis fibulae);
 • **apex capitis fibulae,**
 margo interosseus,
 • **collum fibulae,**
 margo medialis, facies medialis, facies lateralis,
 facies posterior ();
 • **margo interosseus,**
 linea musculi solei,

¹ — fibula (.) — ;

- margo anterior,
 - margo posterior,
 - facies medialis, facies lateralis, facies posterior (malleolus lateralis,
 - fossa malleoli lateralis,
 - collum tali,
 - processus lateralis tali,
 - processus posterior tali,
 - facies articulares calcaneae,
 - tuber calcanei,
 - sustentaculum tali,
 - facies articulares talares,
 - facies articularis cuboidea,
 - os naviculare,
 - os cuneiforme mediale,
- 3, ossa pedis (.60),
 (ossa tarsi),
 (ossa metatarsi)
 (ossa digitorum).
- 7, (ossa tarsalia),
 ().
- talus,
- trochlea tali,
 (facies superior, facies malleolares lateralis et medialis);
- caput tali,



. 60.

1 - calcaneus; 2 - trochlea tali; 3 - os naviculare; 4 - os cuneiforme intermedium; 5 - os cuneiforme mediale; 6 - os metatarsale I; 7 - basis phalangis; 8 - corpus phalangis; 9 - caput phalangis; 10 - tuberositas phalangis distalis; 11 - phalanx distalis; 12 - phalanx media; 13 - phalanx proximalis; 14 - caput ossis metatarsi; 15 - corpus ossis metatarsi; 16 - basis ossis metatarsi; 17 - tuberositas ossis metatarsi V; 18 - os cuboideum; 19 - os cuneiforme laterale; 20 - processus lateralis tuberis calcanei; 21 - tuber calcanei; 22 - ossa sesamoidea; 23 - tuberositas ossis metatarsi I; 24 - talus; 25 - processus posterior tali.

os cuneiforme intermedium,

os cuboideum,

II

os cuneiforme laterale,

III

IV V

ossa metatarsi,

, ossa metatarsalia,)
 -
 phalanges. :
 • phalanx proximalis,
 -
 phalanx media, ;
 phalanx distalis, .
 • corpus, -
 caput, ; (). -
 (-
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 hallux, — ,
 , digitus pedis, (-
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 2) ? ? 12. -
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 4. ? ? 14. ? ?
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(processus coracoideus),
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IV

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	1 - 2	20 - 24	2-3	16-18
	8 - 10	16 - 17	4 - 8	20 - 24
	5-6	17-18	1 - 2	20 - 25

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3 :1 — ,4 — ,5 — ,6 — 14

,6-7 — — 16

(8 - 15).

() 1 8 3.

(3) II - V — — 1 -

18-20 2-3 18 - 20 — 4-5 7-9

4 12 - 15

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		-		-
	1	17-19	9	20 - 24
-	9	19-24	2	16 - 19
-	3 - 5	20 - 24	2	22 - 24

II - V

16 - 20

()

(postminimus),

pollex).

()

(processus supracondylaris),

(trochanter tertius)

(30%).

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| 2. | ? | 7. | - |
| 3. | ? | 8. | - |
| 4. | | 9. | ? |
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SYSTEMA ARTICULARE —

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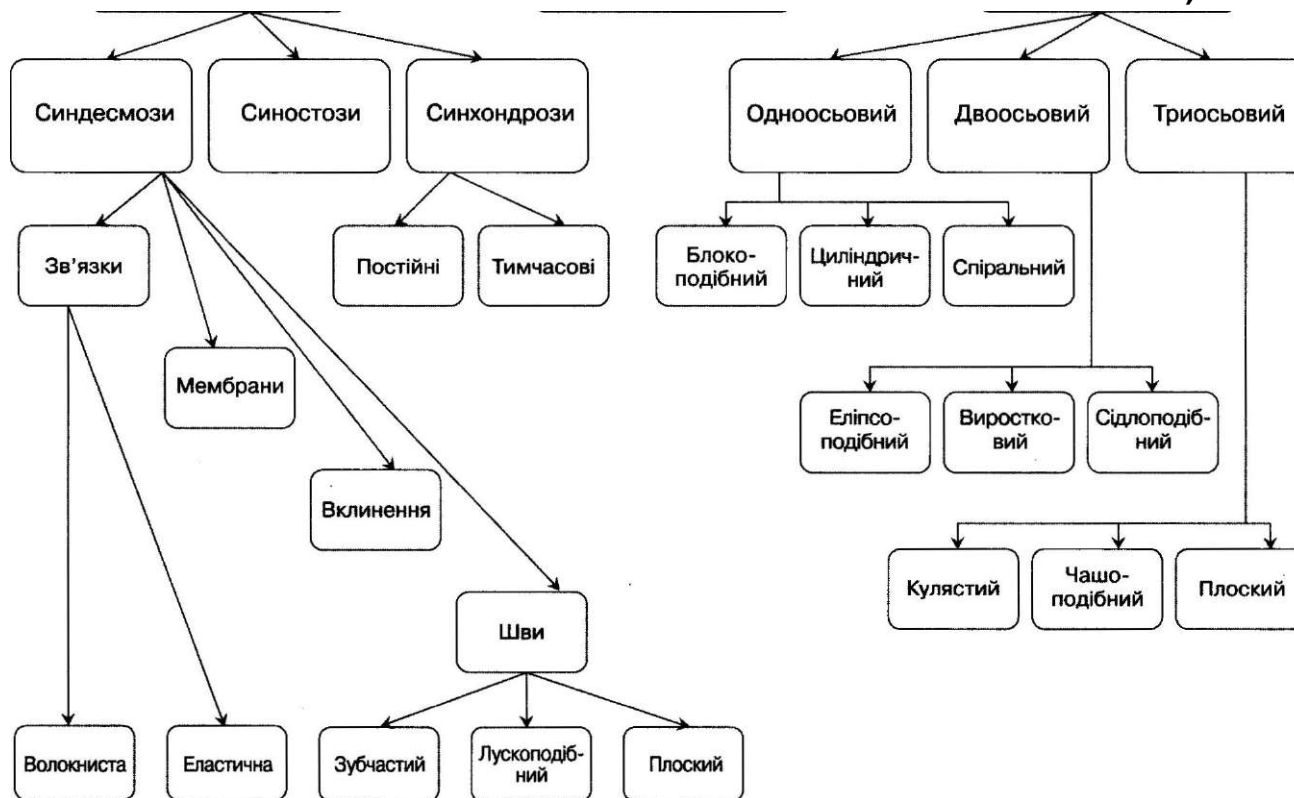
98

99

100

1) (4). 2) ()
 • **syntesmosis,**
(ligamenta)
(membranae interossee);
 • **sutura,**
 • **gomphosis,**
 , **ligamenta.**
 ()
 ()
 ()
 (), 10-15%.
fibrosae). **(juncturae** ().

4.



, juncturae synoviales, articulatio, diarthrosis,
 cartilagineae.

- synchondrosis,
- (synostosis);
- symphysis,
- ();
- cartilago articularis,
- capsula articularis,
- cavitas articularis,
- synovia,
- (— 2,5),
- ().
- ()

, juncturae

synovialis.

, membrana fibrosa

, membrana

, plicae synoviales,

, villi synoviales,

• discus articularis,

• meniscus articularis,

• labrum glenoidale,

• ligg. intraarticularia,

1)

2)

3)

1840

(. Weber, Ed. Weber)

60- 120

(760

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) . () , -
 , , , -
 » . , -
 > -
 (congruo — -
) . -
 > (extensio) (flexio) -
 : (abductio) -
 ? (adductio) -
 > (rotatio) -
 (circumductio) -
 (articulatio composita) -
 rticulatio simplex)

- **art. bicondylaris**²,
 - **art. sellaris**,
 - **art. spherioidea**,
 - **art. trochoidea**¹, (**art. cylindrica**)
 - **art. ellipsoidea**,
 - **art. plana**,
- (**art. tylica**);

¹ — trochos () — , trochoideus () — ;
² — bis () — , condylos () — ().

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- () , -
- () -
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1. ' - 16.
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 6. ? 21. ? -
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 9. ? ? 24. ? -
 10. ? 25. , , ? -
 11. ? 26. -
 12. 1) 2) ? 27. : 1) -
 13. - 28. , 2) 3) -
 14. ? -
 15. ? ? -

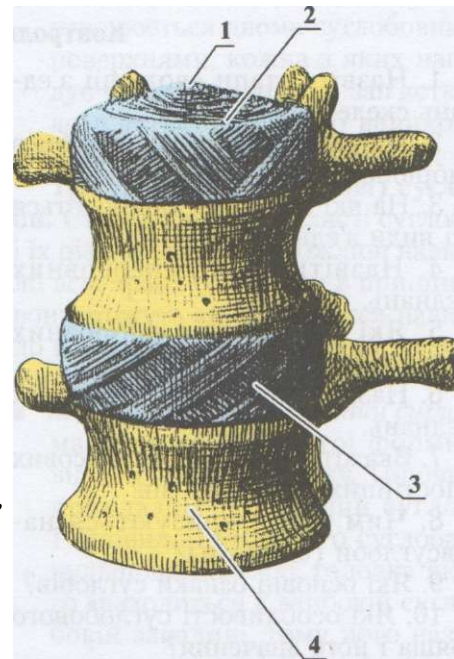
1/5

(. 61).
discus inter-
vertebralis,

2 10

• **anulus fibrosus,**

• **nucleus pulposus,**



. 61.
1 - nucleus pulposus; 2 - anulus fibrosus; 3 - discus intervertebralis; 4 - corpus vertebrae.

cj

nucleus pulposus

- **lig. longitudinale anterius,**

- **lig. longitudinale posterius,**

- **artt. zygapophysiales,**

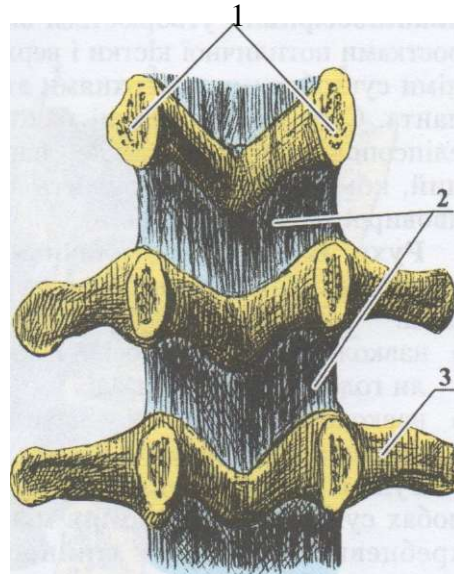
- **art. lumbosacralis,**

- **art. sacrococcygea,**

V

(**ligg. sacrococcygeum posterius et anterius**).

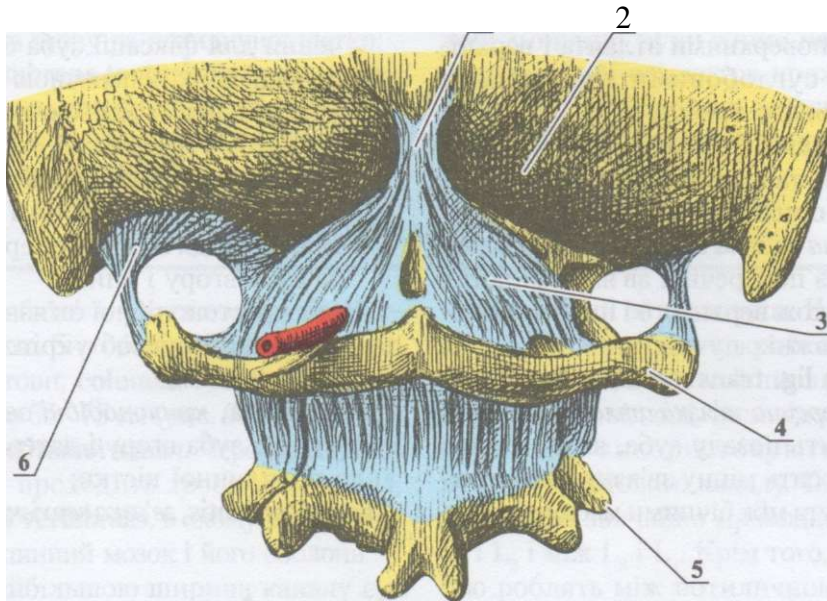
(. 62):



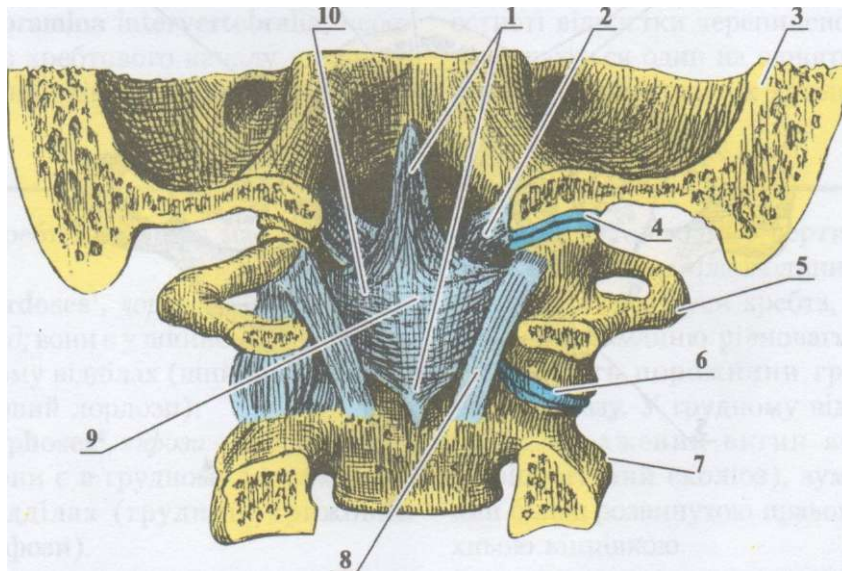
. 62.

1 - arcus vertebrae (); 2 - ligg. flavae; 3 - processus transversus.

- **ligg. flava,**
- **lig. supraspinale,**
- **lig. nuchae,**
- **ligg. interspinalia,**
- **membrana atlantooccipitalis anterior,**
- **membrana atlantooccipitalis posterior,**
- **art. atlantoaxialis,**
- **articulatio atlantoaxialis mediana,**
- **articulatio atlantoaxialis lateralis,**



.63. 1 - lig. nuchae; 2 - os occipitale; 3 - membrana atlantooccipitalis posterior; 4 - atlas; 5 - axis; 6 - lig. atlantooccipitale laterale.



.64. 1 - fasciculi longitudinales; 2 - lig. alare; 3 - os occipitale; 4 - art. atlantooccipitalis; 5 - atlas; 6 - art. atlantoaxialis lateralis; 7 - axis; 8 - membrana tectoria; 9 - lig. cruciforme atlantis; 10 - lig. transversum atlantis.

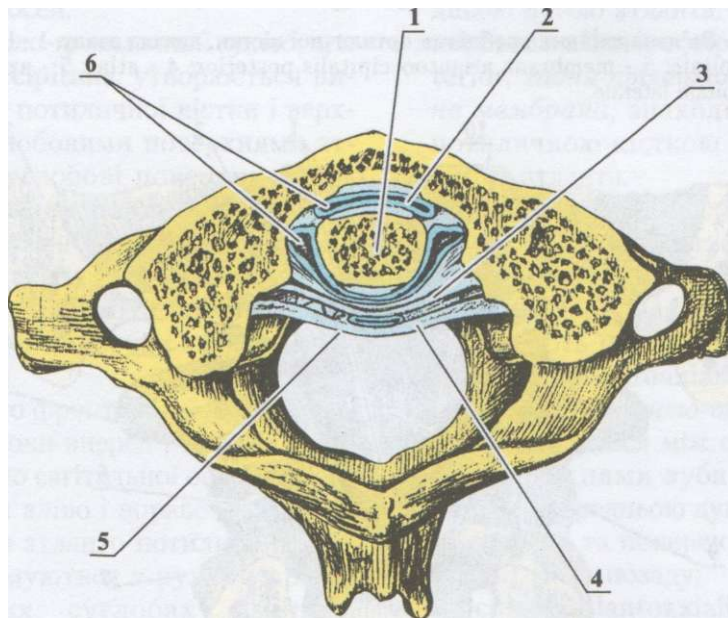
(. 65):
 • **lig. cruciforme atlantis,**

2) **fasciculi longitudinales,**

1) **lig. transversum atlantis,**

• **ligg. alaria,**

• **lig. apicis dentis,**



. 65. . 1 - dens axis;
 2 - art. atlantoaxialis mediana; 3 - lig. transversum atlantis; 4 - lig. longitudinale posterius;
 5 - membrana tectoria; 6 - cavum articulare.

• **membrana tectoria,**

S-
columna vertebralis,
65 - 75 (.66).

canalis vertebralis,

L₂ L₃ L, L₄.

foramina intervertebralia,

• **lordoses¹,**

• **kyphoses²,**

¹ — lordos (.) —

² — kyphos (.) —

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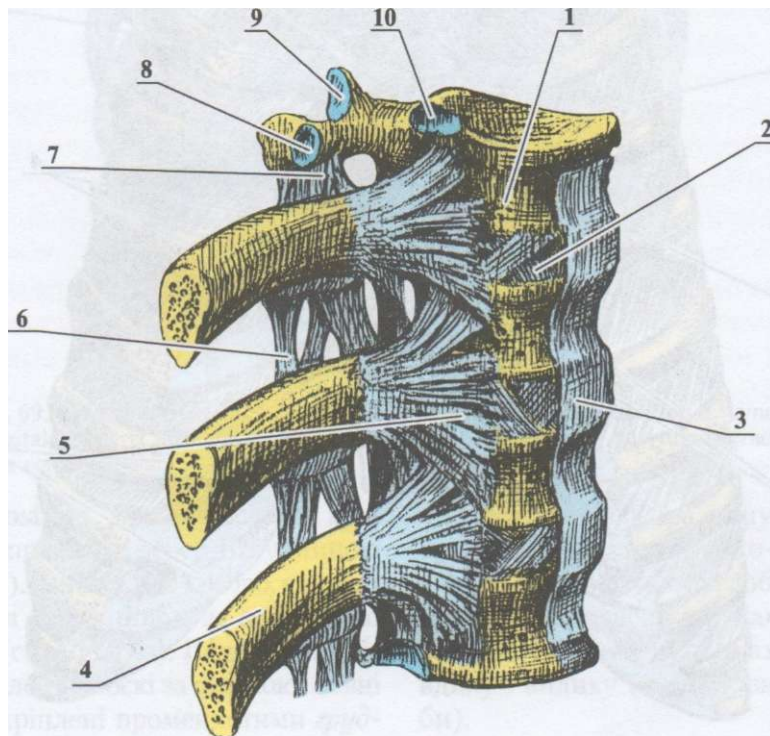
— circumductio.

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IV

. 66.
 .1- ; 2- ;
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 5 - ; , III -
 ; II, IV -

costovertebrales. , artt. costae intraarticulare),
 , XI XII , art.
 costotransversaria,
 (. 67). , art. capitis
 costae, XI XII
 (lig. capitis

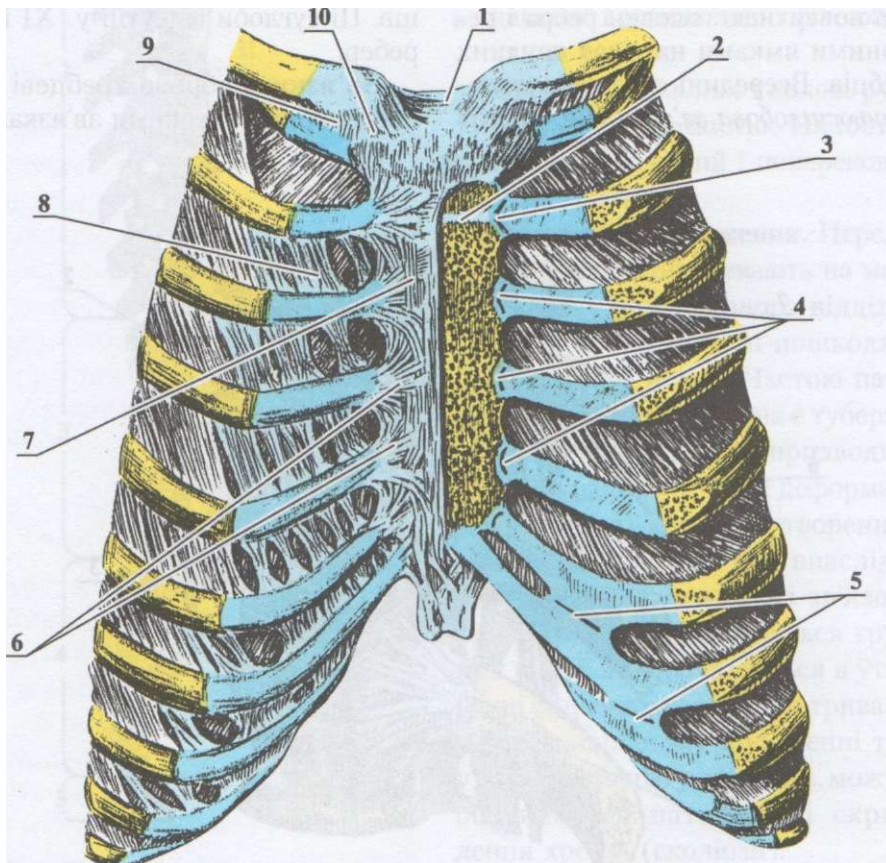


. 67. ' . 1 - vertebra thoracica; 2 - discus intervertebralis;
 - lig. longitudinale anterius; 4 - costa; 5 - lig. capitis costae radiatum; 6 - lig.
 intertransversarium; 7 - lig. costotransversarium; 8 - fovea costalis processus transversus;
 9 - processus articularis superior; 10 - fovea costalis superior.

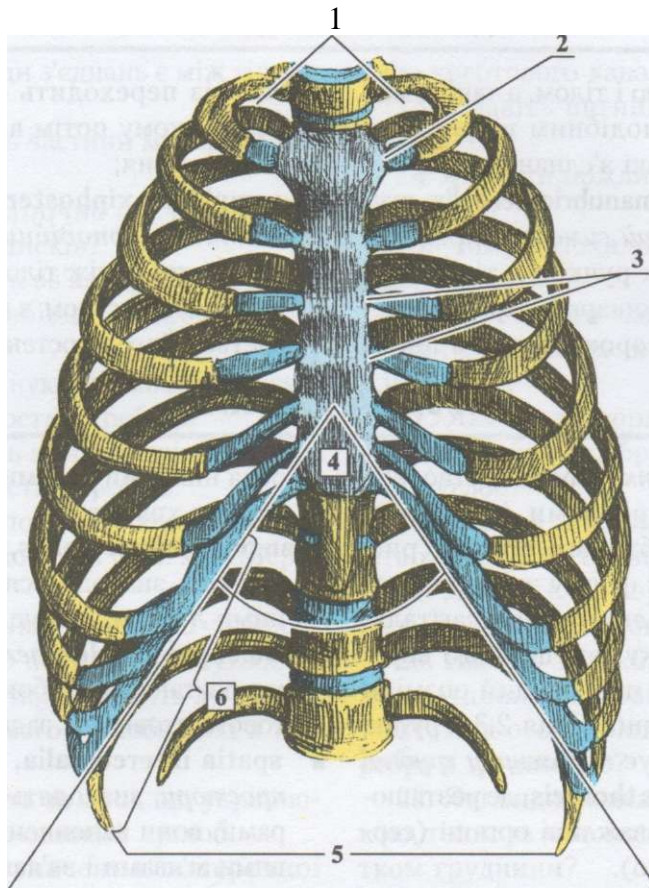
- **lig. capitis costae radiatum,**

- **ligg. costotransversaria,**

, artt.



. 68. ; . 1 - lig. interclaviculare;
 2 - symphysis manubriosternalis; 3 - lig. sternocostale intraarticulare; 4 - artt. sternocostales;
 5 - artt. interchondrales; 6 - ligg. sternocostalia radiata; 7 - membrana sterni; 8 - membrana
 intercostalis externa; 9 - lig. costoclaviculare; 10 - lig. sternoclaviculare anterius.



. 69. . 1 - apertura thoracis superior; 2 - synchondrosis sternocostalis; 3 - artt. sternocostales; 4 - angulus infrasternalis; 5 - apertura thoracis inferior; 6 - arcus costalis.

sternocostales, - II -
 (. 68). , - ' . - -
 (). - - - (-
 -) .
sternocostalia radiata, , **ligg.** - **chondrales.** , **artt. inter-**
 , **membrana sterni.** VIII , VI, VII

• **symphysis manubriosternalis,**

• **symphysis xiphosternalis,**

, **thorax,**

VII - X

69).

• **angulus infrasternalis,**

• **sulci pulmonales,**

2:3.

• **spatia intercostalia,**

, **cavitas thoracis,**

apertura thoracis superior,

(5x10

apertura thoracis inferior,

(15 25),

XII , XII

• **arcus costalis,**

(« »).

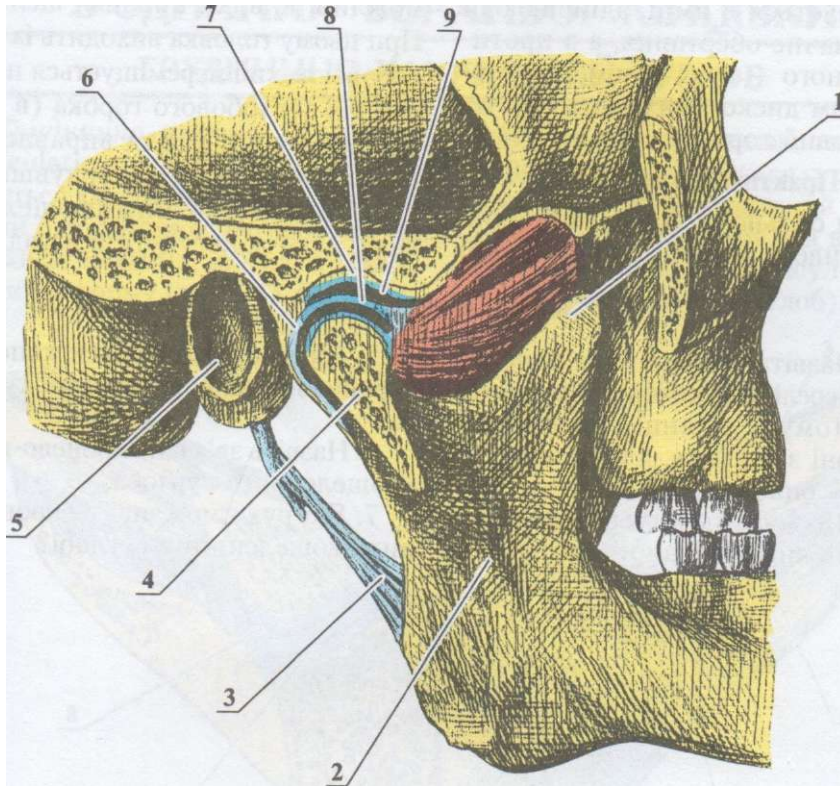
- suturae, ()
- sutura serrata, ()
 - sutura squamosa, ()
 - sutura plana, ()
- 25 -
- synchondrosis sphenoccipitalis, ()
 - synchondrosis sphenopetrosa, ()
 - synchondrosis petrooccipitalis, ()

, articulatio temporomandibularis, fossa mandibularis, tuberculum articulare, (.70)

, discus, ()

articularis, ()

, lig. laterale, ()



70. (),
 1 - processus coronoideus; 2 - ramus mandibulae; 3 - lig. stylomandibulare; 4 - caput mandibulae;
 5 - porus acusticus externus; 6 - capsula articularis; 7 - fossa mandibularis; 8 - discus articularis;
 9 - tuberculum articulare.

('),
 : 1)
 ;
 (lig. stylomandibulare); 2)
 (lig. sphenomandibulare).
 ;
 ;

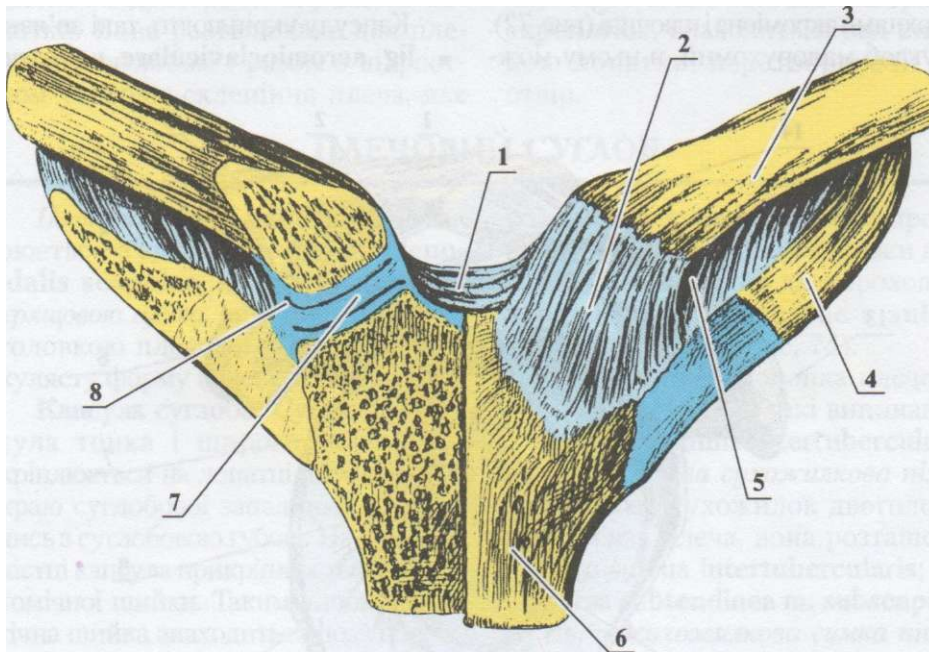
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 1. . 5.
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 4. — , ? - 6. ' - -
 - ? 7. ? -

articulatio sternoclavicularis,

, discus articularis,

(. 71).

().



. 71. . 1 - lig. interclaviculare; 2 - lig. sternoclaviculare anterius; 3 - clavicula; 4 - costa I; 5 - lig. costoclaviculare; 6 - manubrium sterni; 7 - discus articularis; 8 - cavitas articularis.

• **ligg. sternoclavicularia,**

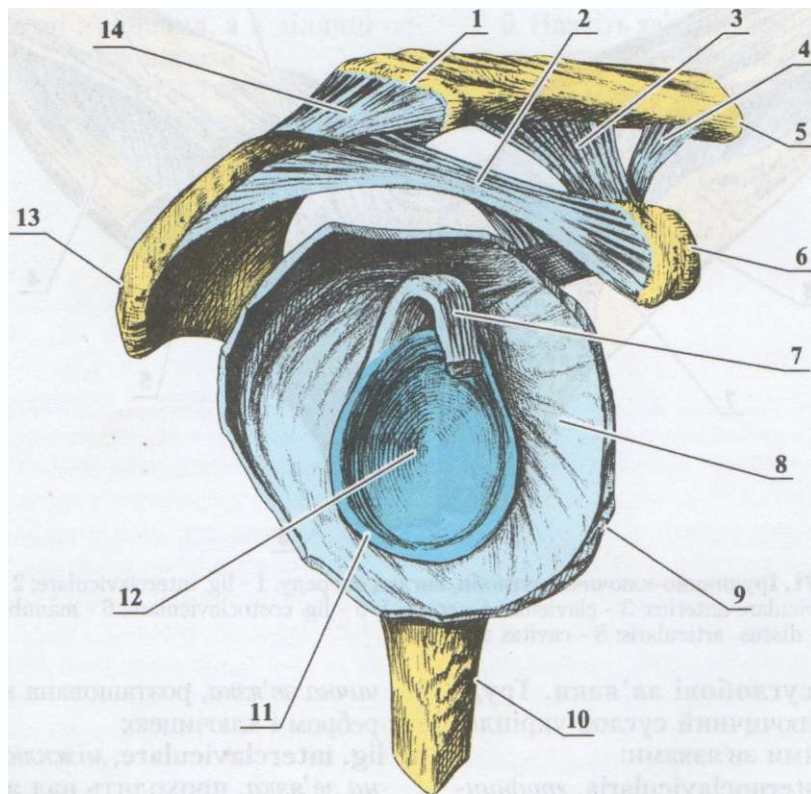
• **lig. interclaviculare,**

• **lig. costoclaviculare,**

articulatio acromioclavicularis,

(.72).

• **lig. acromioclaviculare,**



. 72. . 1 - art. acromioclavicularis;
 2 - lig. coracoacromiale; 3 - lig. trapezoideum; 4 - lig. conoideum; 5 - clavícula; 6 - processus coracoideus;
 7 - tendo m. bicipitis brachii (caput longum); 8 - membrana synovialis; 9 - capsula articularis;
 10 - scapula; 11 - labrum gleuoidale; 12 - cavitas glenoidalis; 13 - acromion; 14 - lig. acromioclaviculare.

• **lig. coracoclaviculare,**

coracoacromiale, , **lig.**

, **lig. transversum scapulae superiorius,**

, **art. humeri,**
cavitas glenoidalis scapulae,

, **labrum glenoidale,**

(. 73).

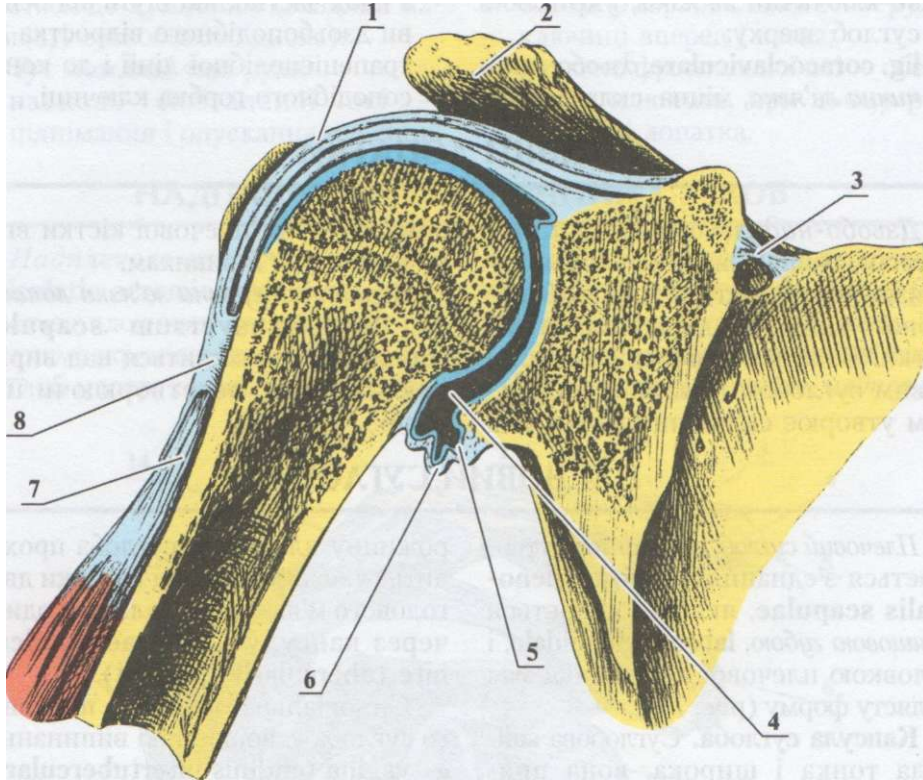
sulcus intertubercularis (. 74).

• **vagina tendinis intertubercularis,**

sulcus intertubercularis;

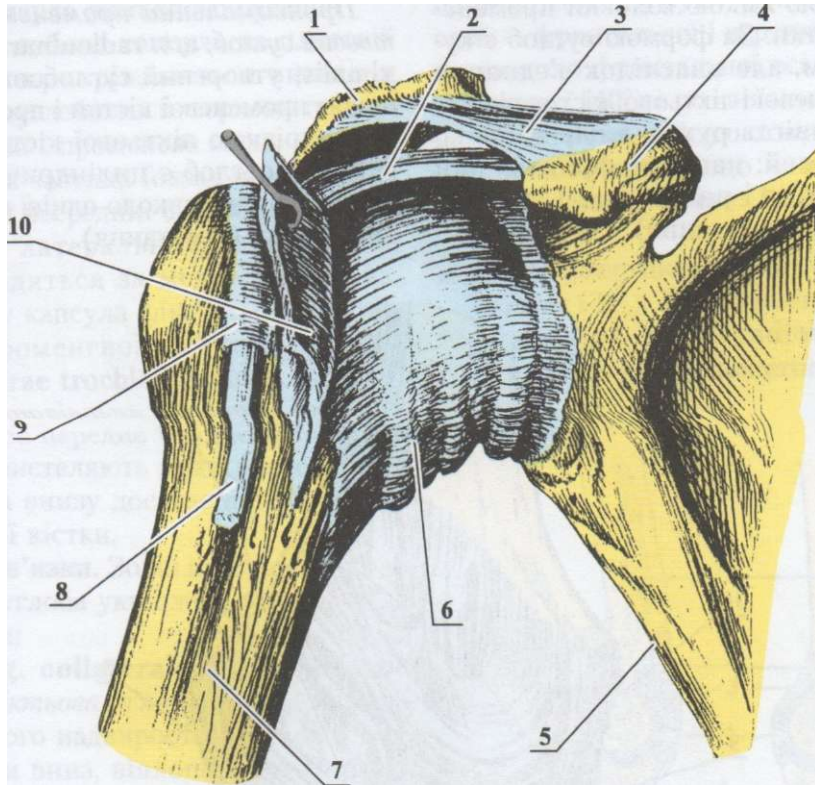
• **bursa subtendinea . subscapularis,**

(**lig. coracohumerale,**



. 73. , . 1 - capsula articularis; 2 - acromion; 3 - lig. transversum scapulae superioris; 4 - cavitas articularis; 5 - membrana synovialis; 6 - membrana fibrosa; 7 - tendo m. bicipitis brachii (caput longum); 8 - vagina tendinis intertubercularis.

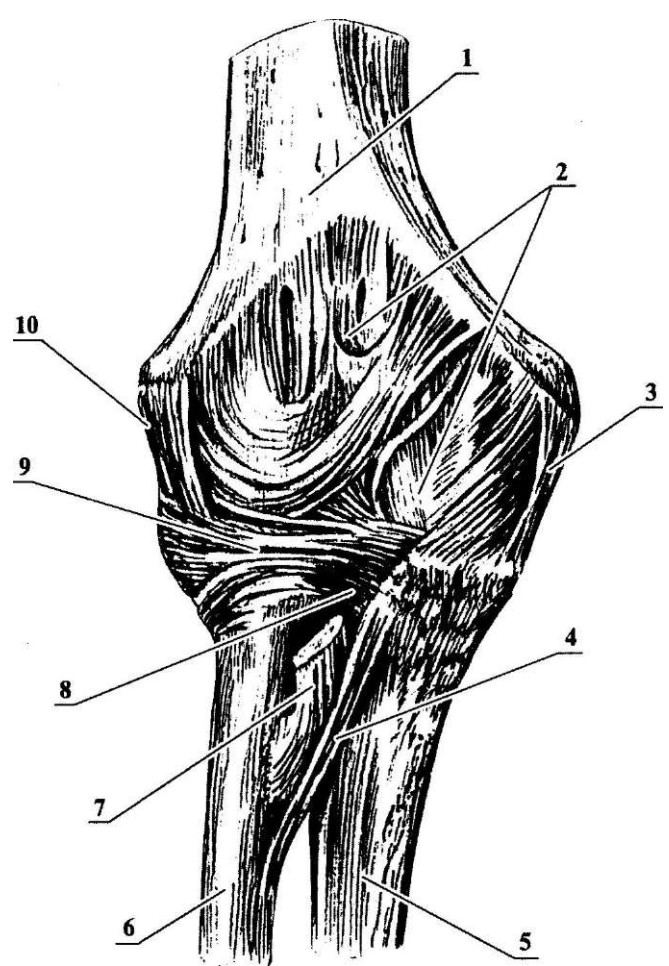
- — - coracoacromiale -
(115°) -
(flexio, extensio);
- — - . -
(180°) -
(abductio, adductio);
- — -
(90°-100°) (rotatio); (
- (360°), (circum-
ductio).) -
- , , -
-
(lig. .



.74. . 1 - acromion; 2 - lig. coracohumerale;
 - lig. coracoacromiale; 4 - processus coracoideus; 5 - scapula; 6 - capsula articularis;
 7 - humerus; 8 - tendo m. bicipitis brachii; 9 - vagina sinovialis tendo m. bicipitis brachii;
 10 - tendo m. subscapularis.

, art. cubiti, -
 , -
 , -
 : - , -
 - (, -
 -),
 (.75).
 , art. humeroulnaris, art. humeroradialis, , art. -
 -

, art. radioulnaris pro-
 xiinalis,
 () () () ()



.75. 1 - humerus; 2 - capsula articularis;
 - lig. collaterale ulnare; 4 - chorda obliqua; 5 - ulna; 6 - radius; 7 - tendo m. bicipitis brachii
 (); 8 - lig. quadratum; 9 - lig. anulare radii; 10 - lig. collaterale radiale.

fossae olecrani

incisurae trochlearis ulnae.

• lig. collaterale ulnare,

incisurae trochlearis ulnae;
• lig. collaterale radiale,

incisurae radialis

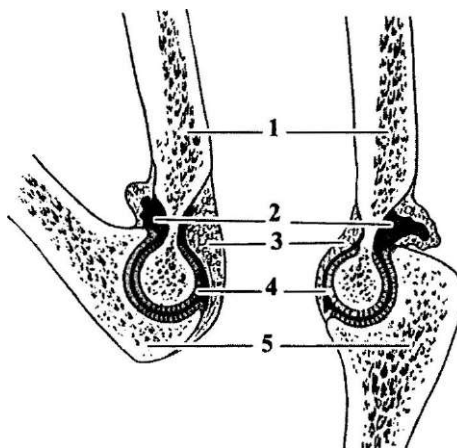
ulnae;
• lig. anulare radii,

(140°)

— art. humeroulnaris et art. humeroradialis;

(130°).

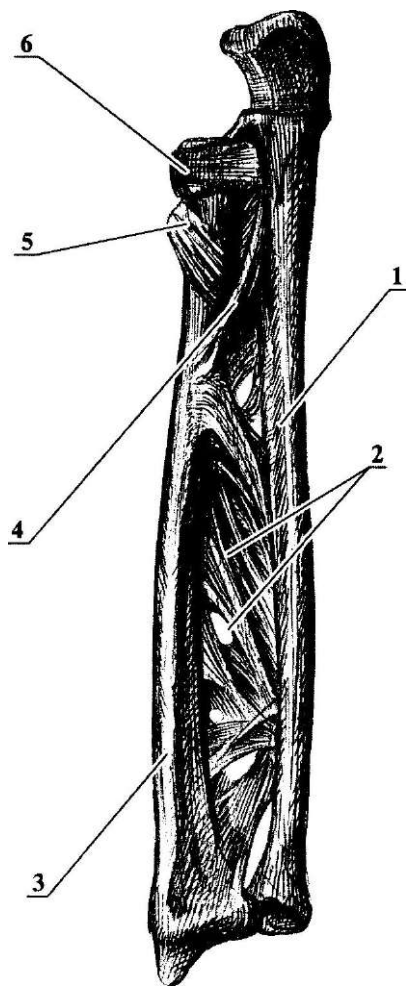
art. radioulnaris proximalis et art. humeroradialis.



. 76.

. 1 - humerus; 2 - cavitas articularis;
- capsula articularis; 4 - cartilago articularis; 5 - ulna.

pronatio (),
— supinatio ()



77. 1 - ulna; 2 - membrana interossea; 3 - radius; 4 - chorda obliqua; 5 - tendo m. bicipitis brachii; 6 - lig. anulare radii.

(. 77).

, art. radioulnaris distalis,

discus articularis,

, membrana interossea antebrachii,

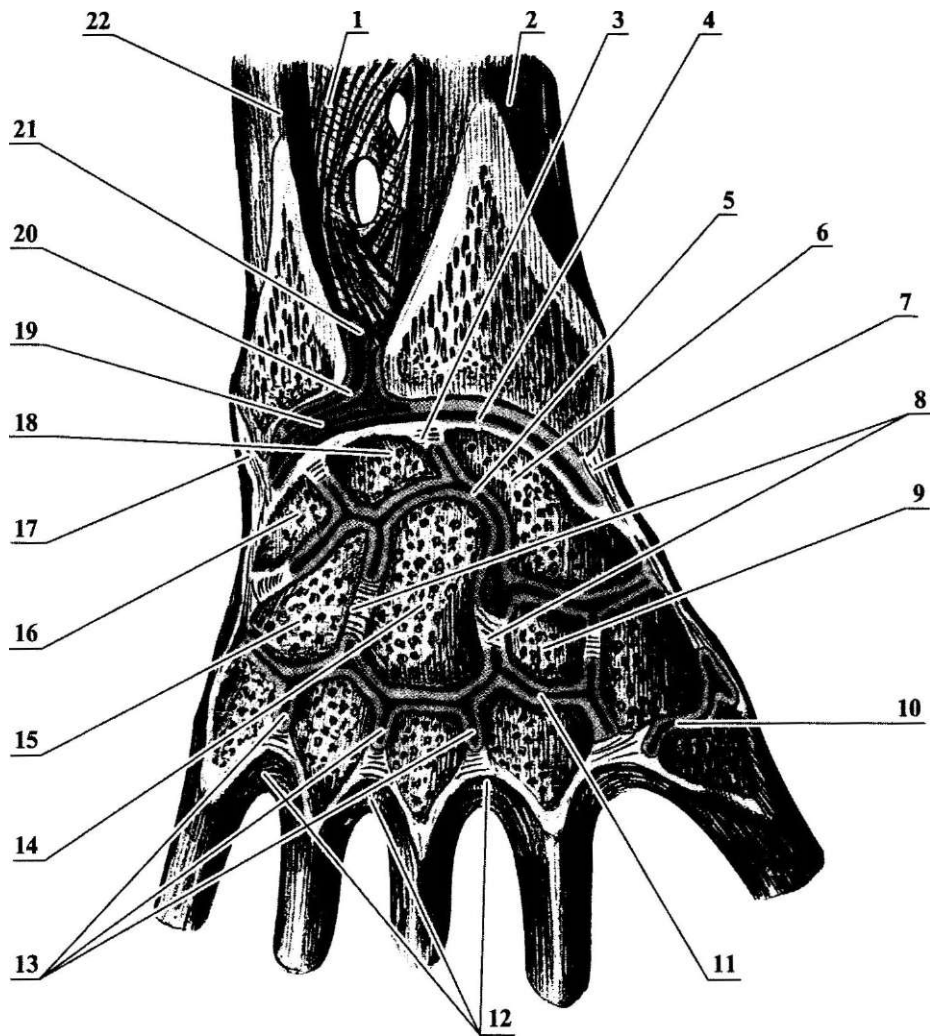
chorda obliqua;

articulatio radiocarpalis,

(. 78).

- facies articularis carpalis radii
discus articularis

- facies articulares



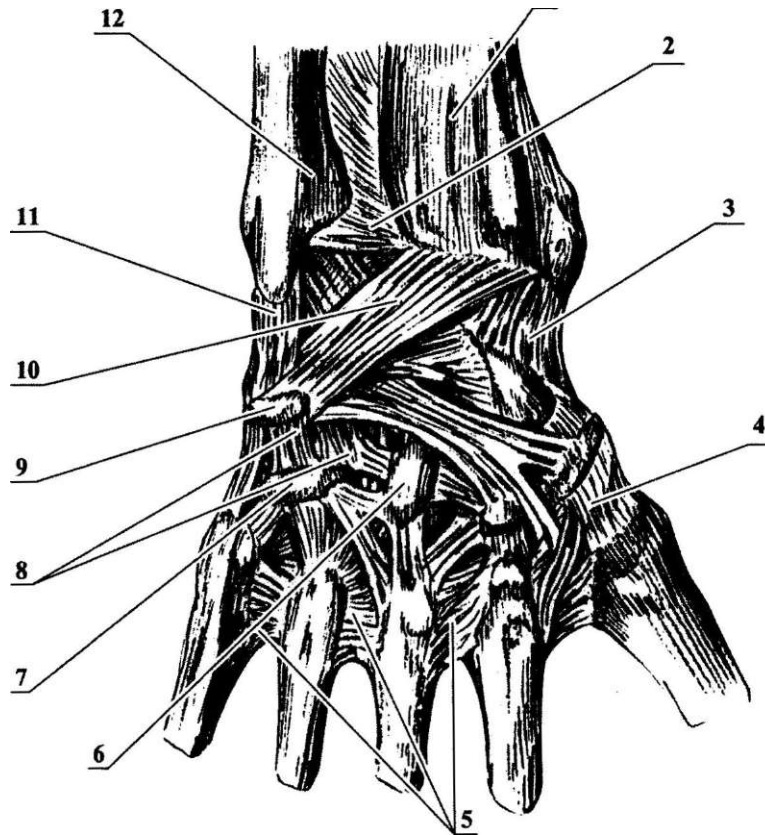
. 78. (). 1 - membrana interossea antebrachii; 2 - radius; 3 - capsula articularis; 4 - art. radiocarpalis; 5 - articulatio mediocarpalis; 6 - os scaphoideum; 7 - lig. collaterale radiale; 8 - ligg. intercarpalia interossea; 9 - os trapezoideum; 10 - art. carpometacarpalis pollicis; 11 - art. carpometacarpalis; 12 - ligg. metacarpalia interossea; 13 - artt. intermetacarpales; 14 - os capitatum; 15 - os hamatum; 16 - os triquetrum; 17 - lig. collaterale carpi ulnare; 18 - os lunatum; 19 - discus articularis; 20 - art. radioulnaris distalis; 21 - recessus sacciformis; 22 - ulna.

- **lig. collaterale carpi ulnare,**
- **lig. collaterale carpi radiale,**
- **lig. radiocarpale dorsale,** (flexio, extensio);
- **lig. radiocarpale palmare,** (adductio, abductio);
ductio.

articulatio mediocarpalis,

- **lig. carpi radiatum,**
- **retinaculum flexorum,** sulcus
canalis
- **ligg. intercarpalia interossea,**
- **ligg. intercarpalia dorsalia et palmaria,**

(art. ossis pisiformis).



1 - radius; 2 - art. radioulnaris distalis;
 3 - lig. collaterale radiale; 4 - art. carpometacarpalis pollicis; 5 - ligg. metacarpalia dorsalia;
 6 - os capitatum; 7 - os hamatum; 8 - ligg. intercarpalia dorsalia; 9 - os triquetrum; 10 - lig.
 radiocarpale dorsale; 11 - lig. collaterale ulnare; 12 - ulna

artt. carpo-metacarpales,

II - V

• ligg. metacarpalia interossea,

- ligg. metacarpalia dorsalia et palmaria, art. carpometacarpalis pollicis, (circumductio).
- oppositio () repositio (circumductio).
- abductio () adductio
- circumductio, interphalangeae manus, artt. metacarpophalangeae, () (ligg. eollataralia) (ligg. palmaria) II - V (Hgg. collataralia) (ligg. palmaria)

- | | | | | | |
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| 1. | - | ' | ? | 15. | . |
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| 3. | | . | - | 17. | ' |
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| 8. | | ? | - | 22. | . |
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| 12. | | | - | ? | |
| 13. | | . | - | 26. | ' |
| 14. | | ? | - | 27. | . |
| | ? | | - | | ? |

sacroiliaca, art. -
 • ligg. sacroiliaca anteriora,
 • ligg. sacroiliaca interossea,
 • ligg. sacroiliaca posteriora, (5°-6°).

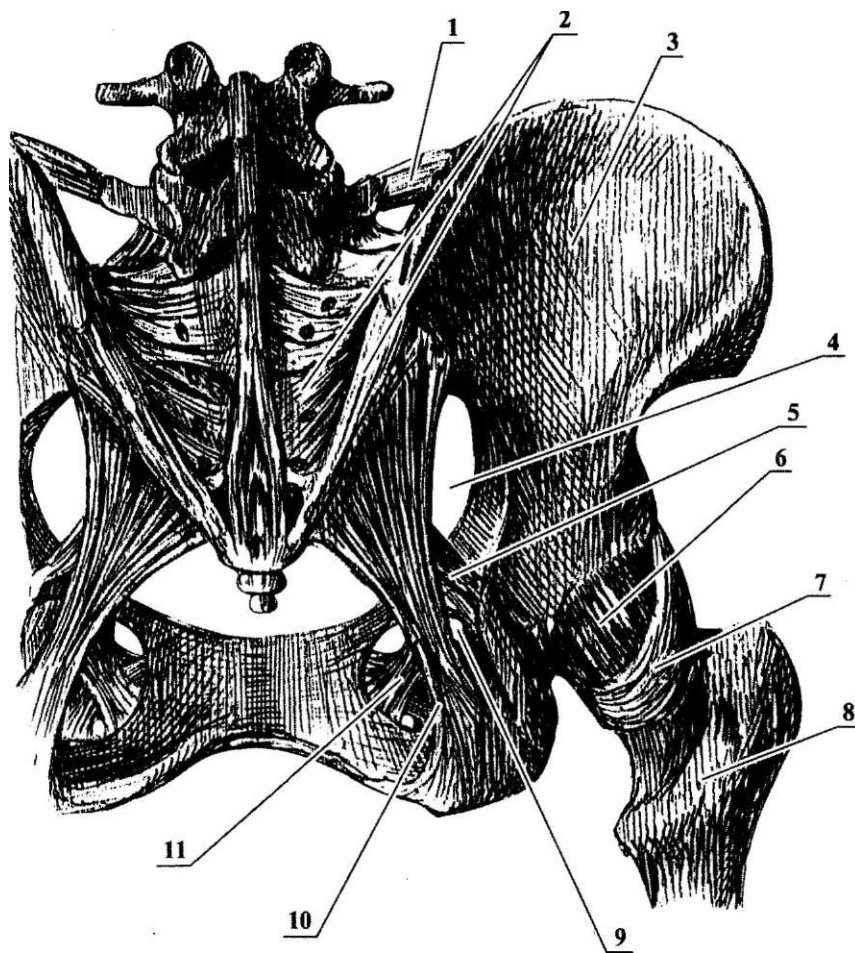
pubica, symphysis
 • lig. pubicum superius,
 • lig. pubicum inferius,

pubicus, discus inter- 1,0
 - 1,5
 lig. sacrotuberale, (. 80):

(foramen ischiadicum majus);
lig. sacrospinale,

(foramen ischiadicum minus);
membrana obturatoria,

nalus obturatorius.



80. 1 - lig. iliolumbale; 2 - lig. sacroiliacum posterius; 3 - os coxae; 4 - foramen ischiadicum majus; 5 - lig. sacrospinale; 6 - capsula articularis; 7 - zona orbicularis; 8 - femur; 9 - foramen ischiadicum minus; 10 - lig. sacrotuberale; 11 - membrana obturatoria.

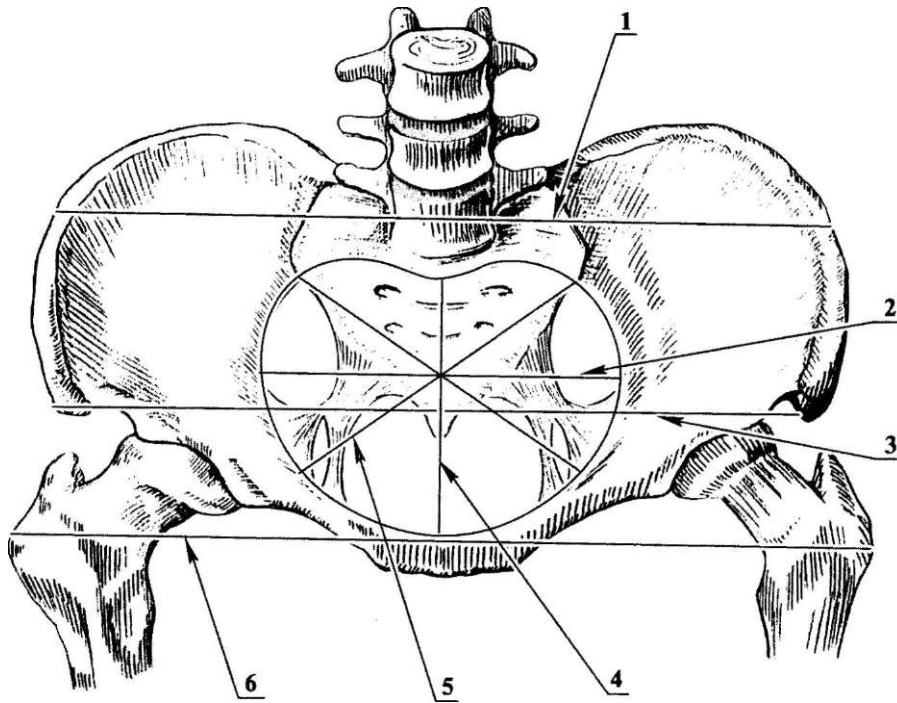
, pelvis terminalis.
 (promontorium),
 (linea arcuata)
 (.81). (pecten ossis pubis)

, pelvis major, • distantia intercrystalis —
 — V — crista iliaca — 28-
 - - 30 . -

() :
 • distantia interspinosa — (distantia inter-
 spina iliaca anterior trochanterica), 31-33
 superior — 25-27 ;

, pelvis minor pubicus),
 — — bicus); (arcus pu-
 — cavum pelvis, -
 (), -
 (. 82) : lig. ()
 sacrospinale et lig. sacrotuberale. ()

:
 • apertura pelvis superior, • conjugata anatomica,
 (), - diameter recta,
 ; —
 • apertura pelvis inferior, 11,5 ; -
 (), -
 -
 (angulus sub- 11,0 ;



81. 1 - distantia intercristalis; 2 - diameter transversa; 3 - distantia interspinosa; 4 - conjugata vera; 5 - diameter obliqua; 6 - distantia intertrochanterica.

• diameter obliqua,

— 11,0 ;

• diameter transversa,

12,0 ;

• diameter transversa,

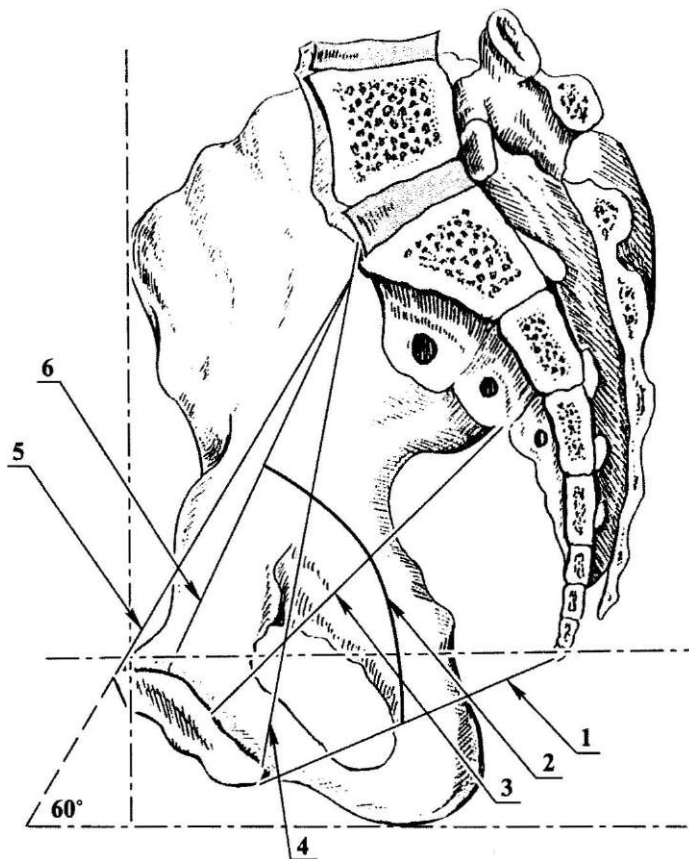
11,0 .

13,0
()

• diameter recta,

9-10

1,5 - 2

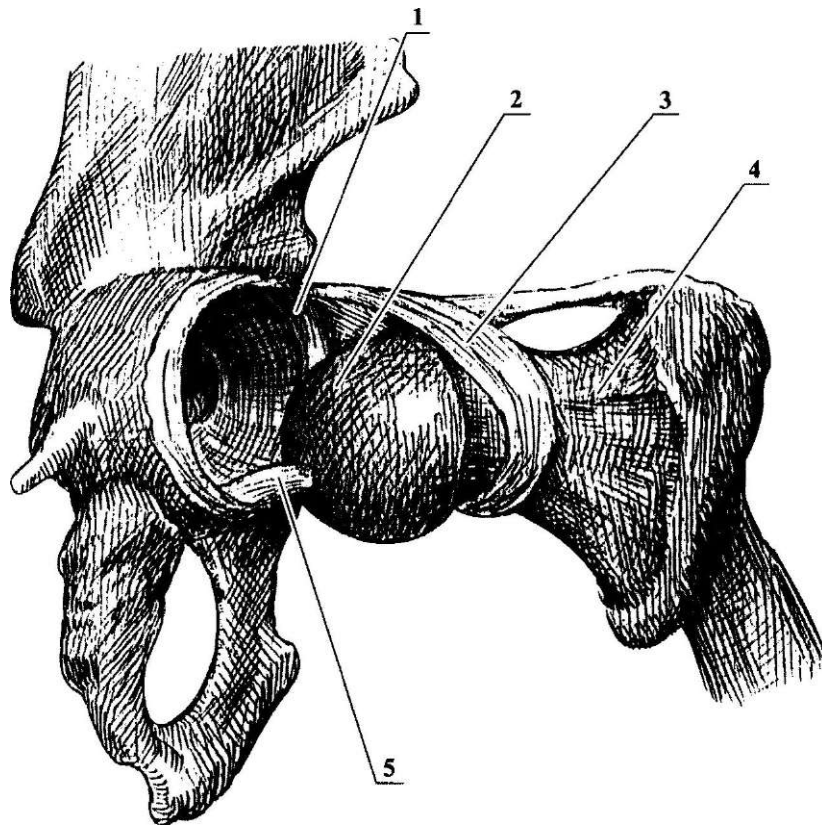


. 82. (). 1 - diameter recta (); 2 - axis pelvis; 3 - diameter recta (); 4 - conjugata diagonalis; 5 - conjugata anatomica; 6 - conjugata vera (gynaecologica); 60° inclinatio pelvis.

, art. . (5' -) - -
facies lunata - -
 (. 83). ;
 • **labrum acetabuli,** **lig. transversum acetabuli,** -
incisura - ,

tabuli
• lig. capitis femoris,

acetabuli incisura



83. 1 - labrum acetabuli; 2 - caput femoris;
- zona orbicularis; 4 - collum femoris; 5 - lig. capitis femoris.

• **zona orbicularis,**
 () ().
 • **lig. iliofemorale,**
anterior inferior **spina iliaca**
 • (12°) (120°)
 • (10°) (50°)
 • **lig. pubofemorale,**
 • (40°) (12°);
ductio.
 • **lig. ischiofemorale,**
 ()
),

145°²,
valga².

125°.

vara¹.

, art. genus,

(. 84).

(. 85).

eminentia intercondylaris;

lig. transversum genus.

• **meniscus medialis,**

eminentia intercondylaris;

• **meniscus lateralis,**

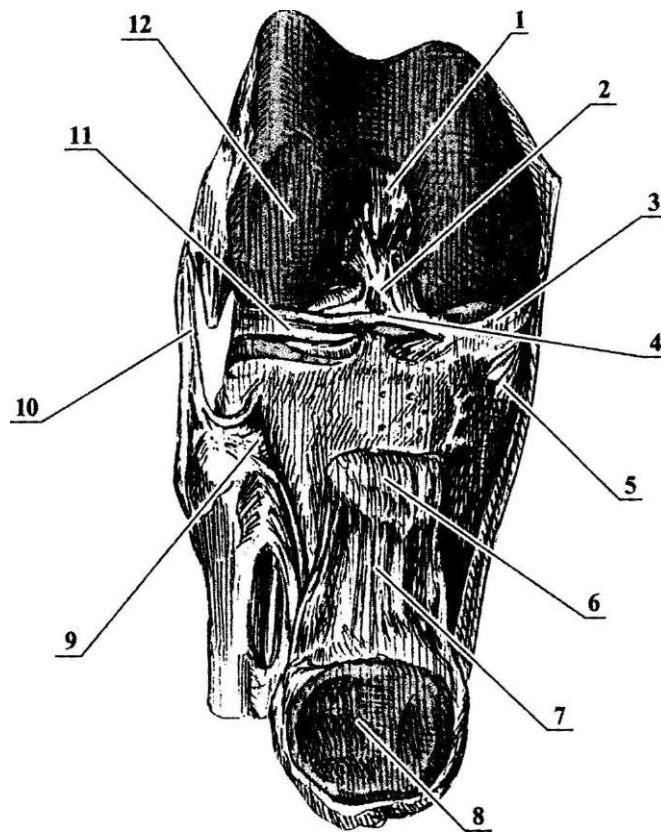
• **lig. cruciatum anterius,**

¹ — varus. (.) —
² — valgus (.) —

0,5 - 1

area intercondylaris anterior;
lig. cruciatum posterius,

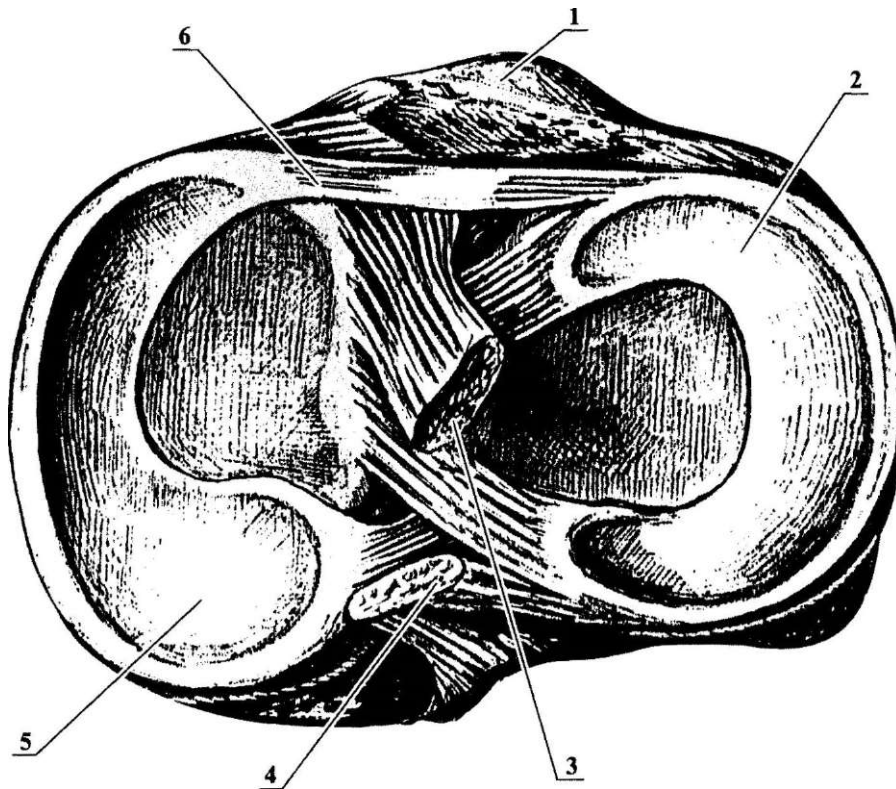
area intercondylaris posterior.



. 84. . 1 - lig. cruciatum posterius; 2 - lig. cruciatum anterior; 3 - meniscus medialis; 4 - lig. transversum genus; 5 - lig. collaterale tibiale; 6 - bursa infrapatellaris profunda; 7 - lig. patellae; 8 - facies articularis patellae; 9 - lig. capitis fibulae anterior; 10 - lig. collaterale fibulare; 11 - meniscus lateralis; 12 - condylus lateralis

plicae alares, : corpus adiposum infrapatellare.

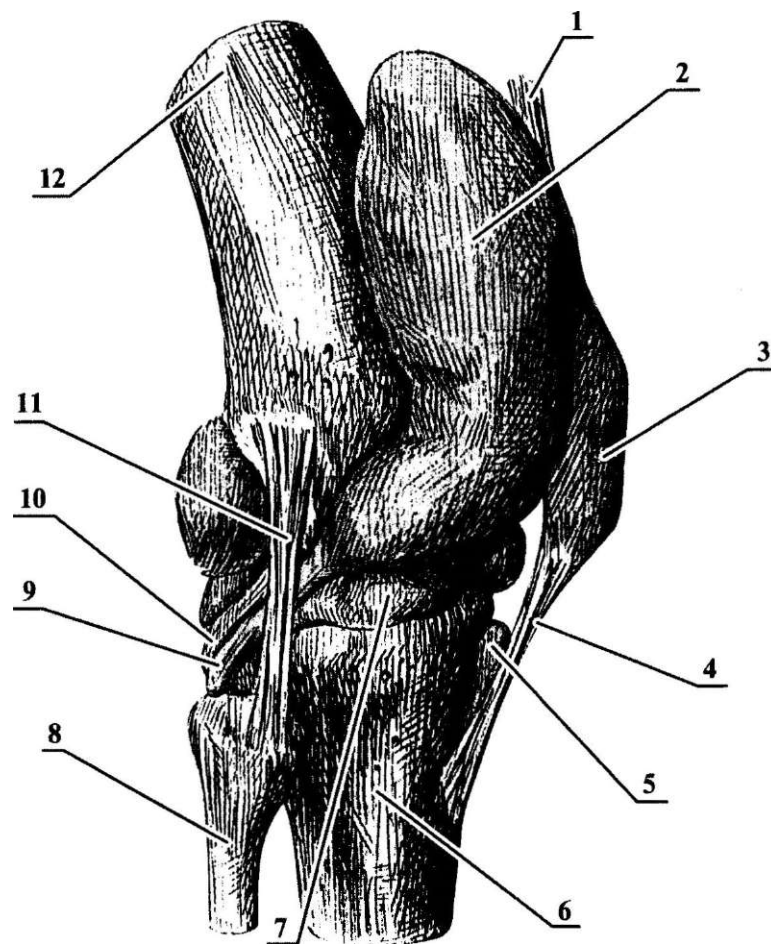
- plica synovialis infrapatellaris,



. 85. . 1 - tuberositas tibiae; 2 - meniscus lateralis; 3 - lig. cruciatum anterius; 4 - lig. cruciatum posterius; 5 - meniscus medialis; 6 - lig. transversum genus.

(. 86).

• bursa suprapatellaris,



. 86.
- tendo **m.** quadriceps femoris;
2 - bursa suprapatellaris; 3 - bursa prepatellaris subcutanea; 4 - lig. patellae; 5 - bursa infrapatellaris profunda; 6 - tibia; 7 - meniscus lateralis; 8 - fibula; 9 - bursa **m.** poplitei;
10 - tendo **m.** poplitei; 11 - lig. collaterale fibulare; 12 - femur

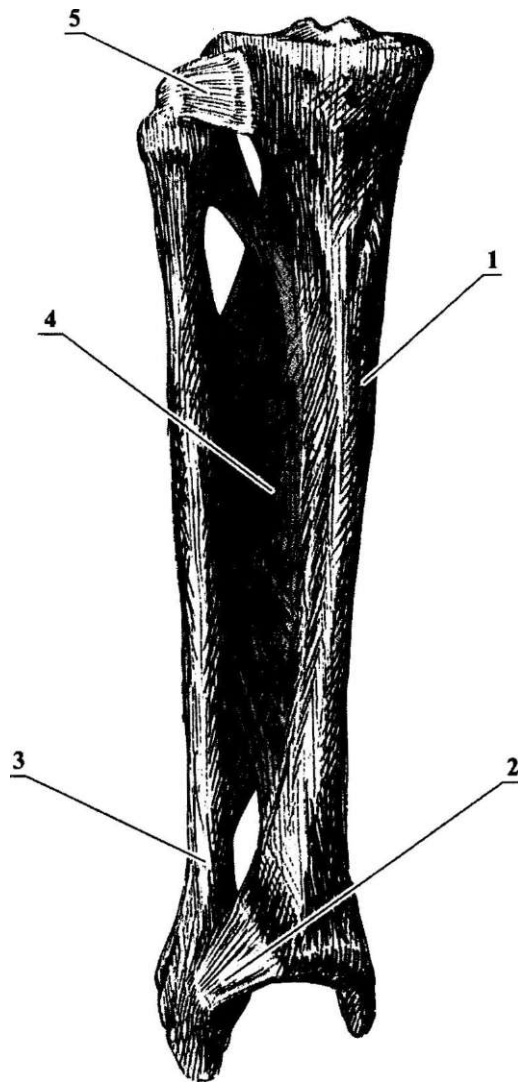
6-8

- **lig. collaterale fibulare,**
 - **lig. popliteum obliquum,**
 - **bursa infrapatellaris profunda,**
 - **lig. popliteum arcuatum,**
 - **recessus subpopliteus,**
 - **m. popliteus.**
 - **lig. patellae,**
 - **retinacula patellae (mediale et laterale),**
 - **lig. collaterale tibiale,**
- (bursae tuberositas tibiae,

180" — (120° — ()).
 ;
 30-35°. — 15°, (X — (genu valgum) (genu varum).
 tibiae.
 (ligg. capitis fibulae anterior et posterior).
 (. 87). , art. tihio- desmosis tibiofibularis¹, syn-
 fibularis, fibulae

ligg. tibiofibularia anterior
et posterius.

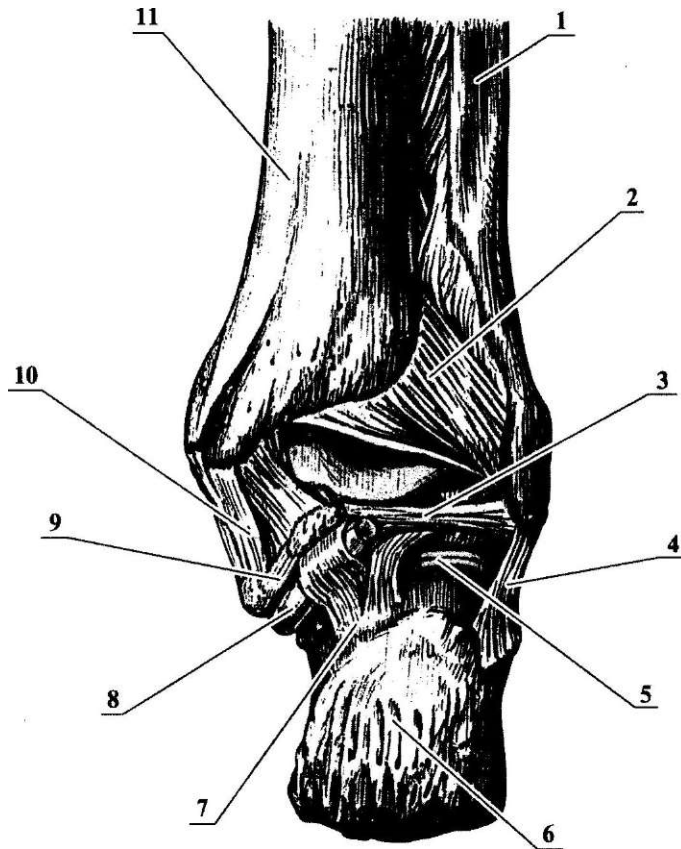
membrana interossea cruris,



1 - tibia; 2 - lig. tibiofibulare
anterior; 3 - fibula; 4 - membrana interossea cruris; 5 - lig. capitis fibulae anterior.

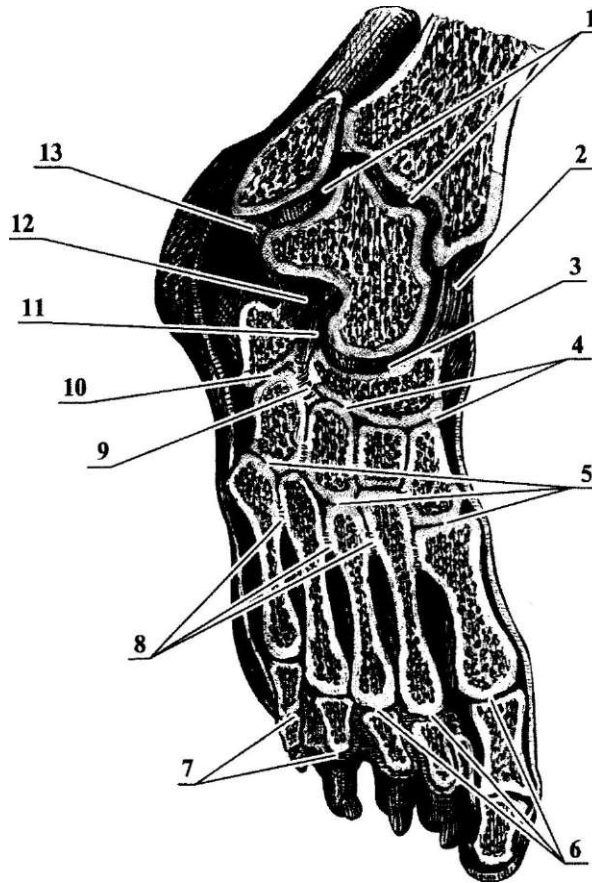
art. talocruralis.

(. 88).



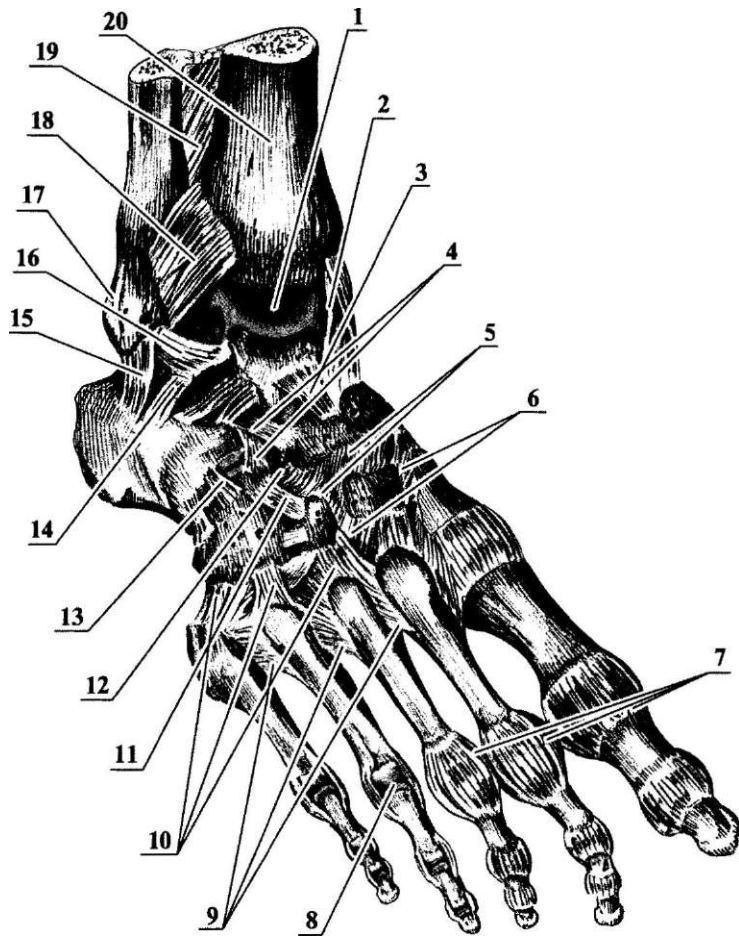
. 88. ' . 1 - fibula; 2 - lig. tibiofibulare posterius; 3 - lig. talofibulare posterius; 4 - lig. calcaneofibulare; 5 - art. subtalaris; 6 - tuber calcanei; 7 - lig. talocalcaneum posterius; 8 - tendo m. flexoris hallucis longi; 9 - lig. talocalcaneum mediale; 10 - lig. collaterale mediale (deltoideum); 11 - tibia.

- **lig. collaterale mediale,**
- (60°-70°).
- (extensio)
- (flexio).
- (pars tibionavicularis, pars tibiocalcanea, pars tibiotalaris anterior et posterior);**
- **lig. talofibulare anterius,**
- **lig. talofibulare posterius,**
- **lig. calcaneofibulare,**
- lig. calcaneo-naviculare plantare,**
- (. 89):
- **art. subtalaris,**
- **art. calcaneocuboidea,**
- **art. talocalcaneonavicularis,**
- **art. cuneonavicularis,**



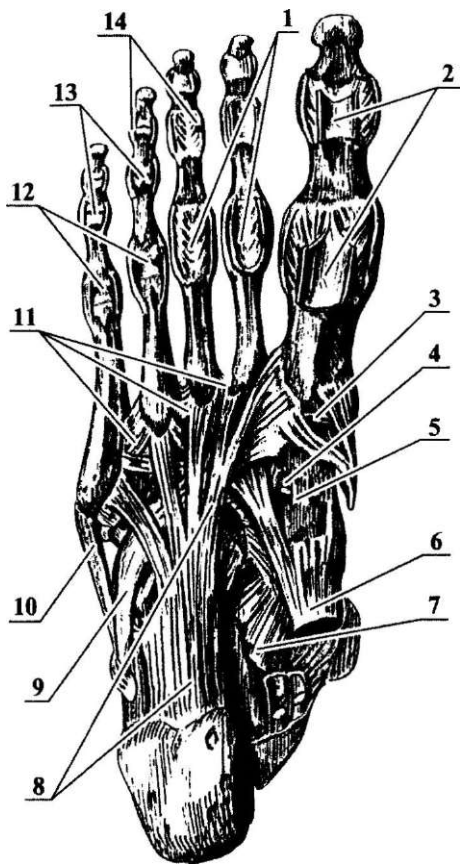
89. 1 - art. talocruralis; 2 - lig. collaterale mediale (deltoideum); 3 - art. talonavicularis; 4 - art. cuneonavicularis; 5 - artt. tarsometatarsales; 6 - artt. metatarsophalangea; 7 - artt. interphalangea; 8 - ligg. metatarsalia interossea; 9 - lig. cuboideonaviculare dorsale; 10 - art. calcaneocuboidea; 11 - lig. bifurcatum; 12 - lig. talocalcaneum interosseum; 13 - lig. talofibulare posterius.

- **lig. talocalcaneum interosseum,** **ligg. tarsi interossea,**
- sinus tarsi,** **lig. bifurcatum,**



90. 1 - art. talocruralis; 2 - lig. mediale; 3 - lig. talonaviculare; 4 - lig. bifurcatum; 5 - ligg. cuneonavicularia dorsalia; 6 - ligg. intercuneiformia dorsalia; 7 - ligg. collateralia; 8 - art. metatarsophalangealis IV; 9 - ligg. metatarsalia dorsalia; 10 - ligg. tarsometatarsalia dorsalia; 11 - lig. cuneocuboideum dorsale; 12 - lig. cuboideonaviculare dorsale; 13 - lig. calcaneocuboideum dorsale; 14 - lig. talocalcaneum laterale; 15 - lig. calcaneofibulare; 16 - lig. talofibulare anterius; 17 - malleolus lateralis; 18 - lig. tibiofibulare anterius; 19 - membrana interossea cruris; 20 - tibia.

-) lig. calcaneonaviculare,
-) lig. calcaneocuboideum,
- ligg. tarsi plantaria,
- ligg. tarsi dorsalia,



. 91.

1 - ligg. plantaria; 2 - vagina synovialis tendinis m. flexoris hallucis longi; 3 - art. tarsometatarsalis; 4 - art. cuneonavicularis; 5 - lig. cuneonaviculare plantare; 6 - tendo m. tibialis posterior; 7 - lig. calcaneonaviculare plantare; 8 - lig. plantare longum; 9 - tendo m. peronei longi; 10 - tendo m. peronei brevis; 11 - ligg. metatarsalia plantaria; 12 - artt. metatarsophalangeae; 13 - artt. interphalangeae; 14 - ligg. collateralia.

• **lig. plantare longum,**

, art. tarsi transversa (),
 art. calcaneocuboidea
 art. talocalcaneonavicularis,
 (art. talonavicularis).

« »
 lig. bifurcatum,

profunda.

, artt.

tarsometatarsales,

(artt. intermetatarsales),

artt. interphalangeae pedis,

(lig. cuneometatarsale interosseum mediale),

metatarsophalangeae,

(ligg. collateralia) (ligg. plantaria) II-V

, ligg. metatarsalia transversa

• **valgus)** (pes
 • **(pes varus).**

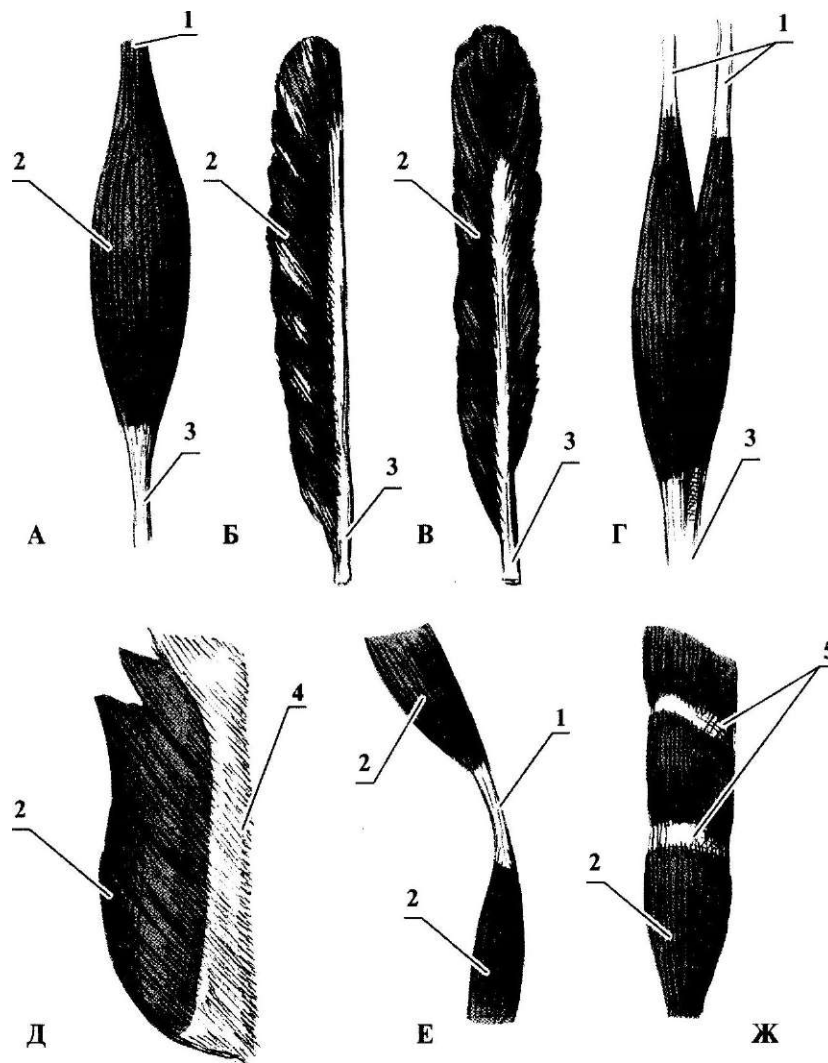
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| 4. | - | ' | , | ? | - | 22. | ' | - |
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| 14. | ? | | | | - | 32. | ? | - |
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| 17. | | | | | - | | | |
| 18. | ? | | | | - | | | |

SYSTEMA MUSCULARE — ' —

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),
 1 — sarcos () — ' , lemma () — .

(-) ' , ' ,), 400 35 - 40% ('), 25 - %. 20 ? -22%. () ' (.92). 3 - 12 fusiformis). • caput, (origo); • venter, ; • cauda, (—); () ' (insertio); (- - , .

¹—fusis (.)—



. 92. ; - ; - ; - ; - . 1 - tendo; 2 - venter; - cauda; 4 - aponeurosis; 5 - intersectio tendinea.

() ,
 • m. unipennatus,
 • m. bipennatus,
 • . multipennatus,
 (mm. orbiculares)
 ().
 1

¹ — fascia () —

- fascia superficialis,

()

- fascia

, septa intermuscularia,

«

» (1840)

()

(retinacula)

(vaginae fibrosae)

synoviales), (vaginae ()).

30-40 %.

(.93).

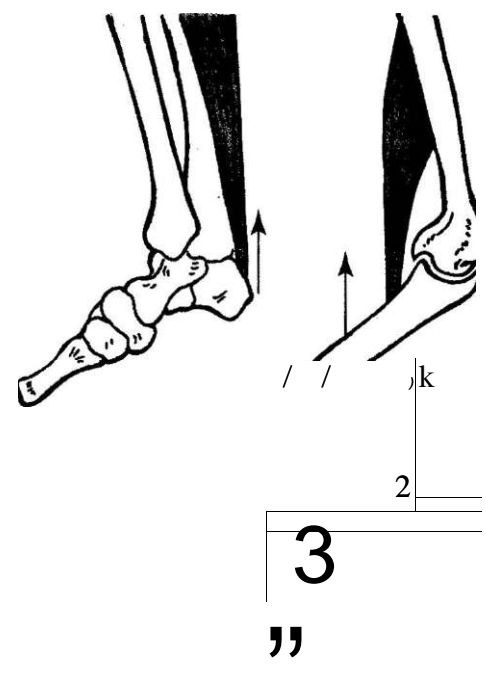
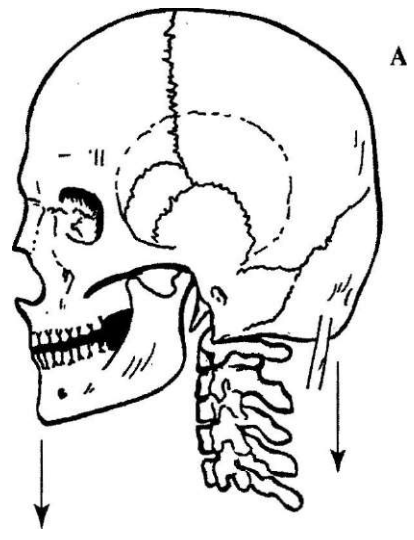
otendineum). (- fixum), (punctum
tum mobile) (punc-

synoviales) (bursae ()

(bursae mucosae).

- 1) — ;
- 2) — ;
- 3) — ;

- 1) — ;
- 2) — ;
- 3) — ;



1 - .93. ; 2 -

; 3 - ; -

' = 301" .• • -

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44

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XI

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:

¹ — chton (.) — , autos (.) —
² — truncus (.) — , petere (.) —
³ — fugio (.) —

; 2) : 1) ; 3)
 ; 4)
 ; 5) ; 6)
 ; 7)
 (. . . , 1932).

, m. sternalis,
, m. transversus axillae,

- | | | | |
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| 1. | ? | 11. | ? |
| 2. | ? | 12. | ? |
| 3. | ? | 13. | ? |
| 4. | ? | 14. | ? |
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| 6. | ? | 16. | ? |
| 7. | ? | 17. | ? |
| 8. | ? | 18. | ? |
| 9. | ? | 19. | ? |
| 10. | ? | 20. | ? |

2) (.94)

1) (), (), (); (.95,96).

m. trapezius.

: N. accessorius (XI), (3 - 4).

m. latissimus dorsi.

6- — 3-4

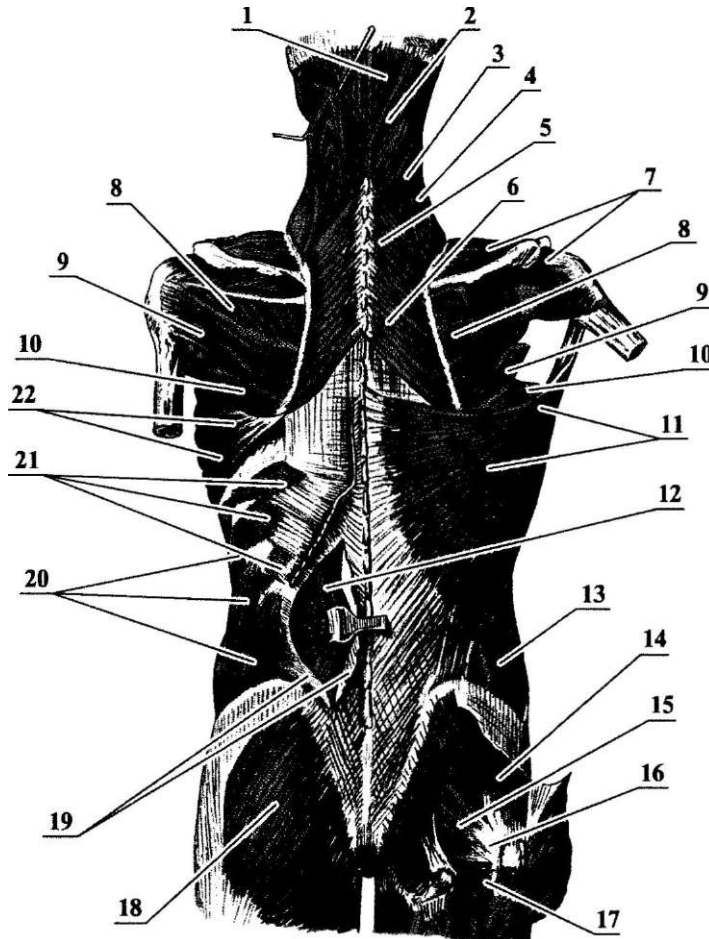
latissimus dorsi

m. trapezius.

« ».

94. 1 - m. sternocleidomastoideus; 2 - . trapezius; 3 - spina scapulae; 4 - . deltoideus; 5 - . infraspinatus; 6 - . teres minor 7 - . teres major; 8 - m. rhomboideus; 9 - m. latissimus dorsi; 10 - trigonum lumbale; 11 - crista iliaca; 12 - m. gluteus maximus; 13 - m. gluteus medius; 14 - m. obliquus extemus abdominis; 15 - processus spinosus vertebrae thoracicae XII; 16 - m. triceps brachii; 17 - m. splenius capitis; 18 - protuberantia occipitalis externa

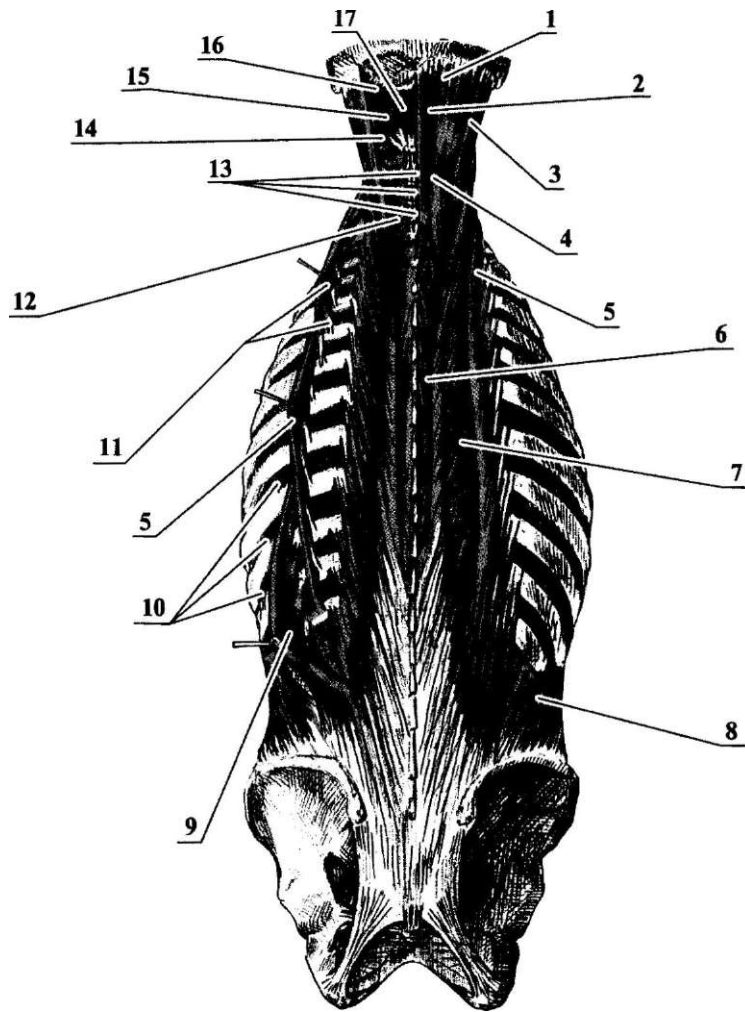
1 - m. sternocleidomastoideus; 2 - . trapezius; 3 - spina scapulae; 4 - . deltoideus; 5 - . infraspinatus; 6 - . teres minor 7 - . teres major; 8 - m. rhomboideus; 9 - m. latissimus dorsi; 10 - trigonum lumbale; 11 - crista iliaca; 12 - m. gluteus maximus; 13 - m. gluteus medius; 14 - m. obliquus extemus abdominis; 15 - processus spinosus vertebrae thoracicae XII; 16 - m. triceps brachii; 17 - m. splenius capitis; 18 - protuberantia occipitalis externa



95. 1 - m. semispinalis capitis; 2 - splenius capitis; 3 - splenius cervicis; 4 - levator scapulae; 5 - m. rhomboideus minor; 6 - m. rhomboideus major; 7 - m. supraspinatus; 8 - m. infraspinatus; 9 - m. teres minor; 10 - m. teres major; 11 - m. latissimus dorsi; 12 - m. erector spinae; 13 - m. obliquus externus abdominis; 14 - m. gluteus medius; 15 - m. piriformis; 16 - m. gemellus superior; 17 - m. gemellus inferior; 18 - m. gluteus maximus; 19 - fascia thoracolumbalis; 20 - m. quadratus lumborum; 21 - m. serratus posterior inferior; 22 - m. serratus anterior.

: N. thoracodorsalis () 4
 (C₇ - C₈) ().
 :
 . rhomboidei major et
 minor.
 : 2-

m. trapezius. 2-
 : n. dorsalis scapulae II-V
 (4-5).
m. levator scapulae. 4- : nn. intercostales
 (Th_j-Th_j).
m. serratus posterior inferior. 2-
 2-
 4-
 : n. dorsalis scapulae
 (<C₄-C₈).
m. serratus posterior superior. 2- : nn. intercostales
 (Th₉-Th₍₂₎).
m. splenius cervicis et capitis. 5-
 6-
 II - III
 (3-8).
erector spinae.



96. 1 - m. semispinalis capitis; 2 - m. spinalis capitis; 3 - m. longissimus capitis; 4 - m. spinalis cervicis; 5 - m. iliocostalis thoracis; 6 - m. spinalis thoracis; 7 - m. longissimus thoracis; 8 - m. obliquus internus abdominis; 9 - m. iliocostalis lumborum; 10 - mm. intercostales externi; 11 - m. iliocostalis cervicis; 12 - m. semispinalis cervicis; 13 - mm. interspinales cervicis; 14 - m. obliquus capitis inferior; 15 - m. rectus capitis posterior major; 16 - m. obliquus capitis superior; 17 - m. rectus capitis posterior minor.

. erector spinae
 (. spinalis thoracis, cervicis et capitis).
 : m. erector spinae

erector spinae

• . iliocostalis,
 (VII IV).
 (m. iliocostalis lumborum, thoracis et cervicis);
 • m. longissimus,
 m. semispinalis,
 6

(. longissimus thoracis, cervicis et capitis);
 • mm. multifidi,
 m. spinalis, 2-4

• mm. rotatores, - , -

, - ; -

, -

mm. intertransversarii
transversarii, mm. inter-

interspinales. ; -

spinales, inter-

, -

m. erector spinae;
() m. erector

nuchae. fascia spinae.
XII , — —

thoracolumbalis. , fascia -

— - -

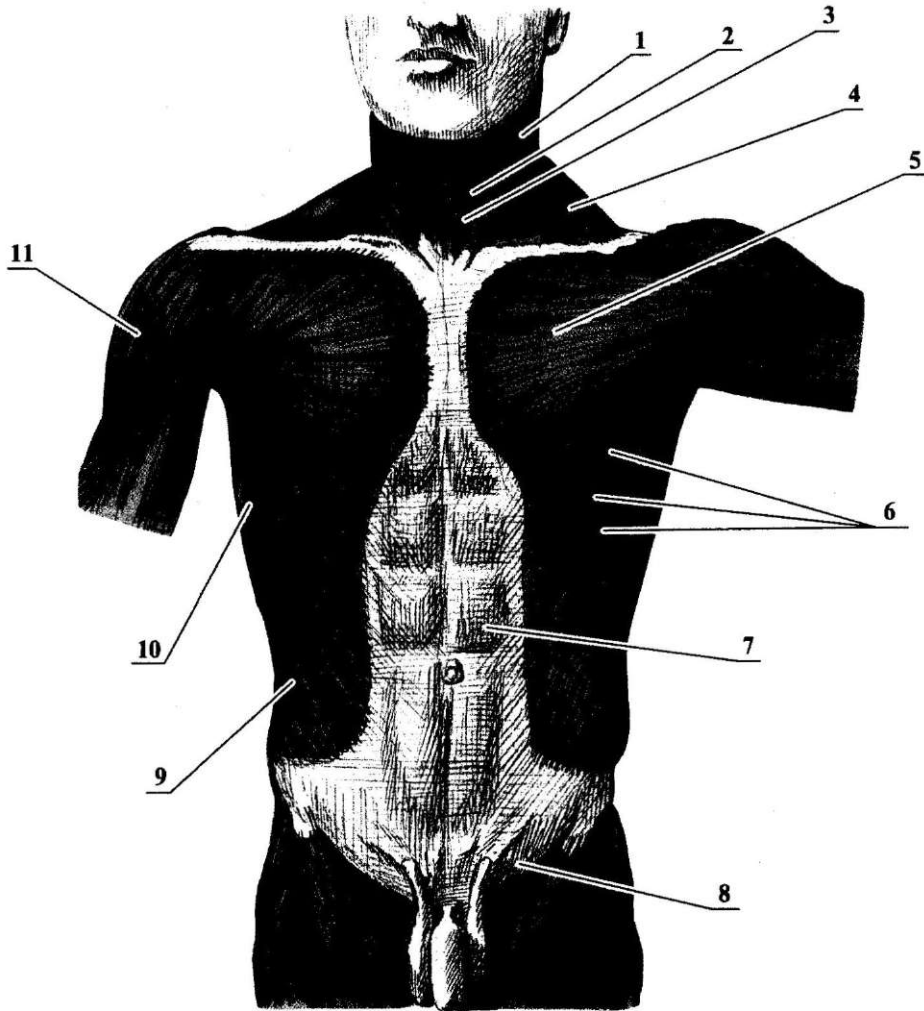
• () - , -

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М'ЯЗОВА СИСТЕМА

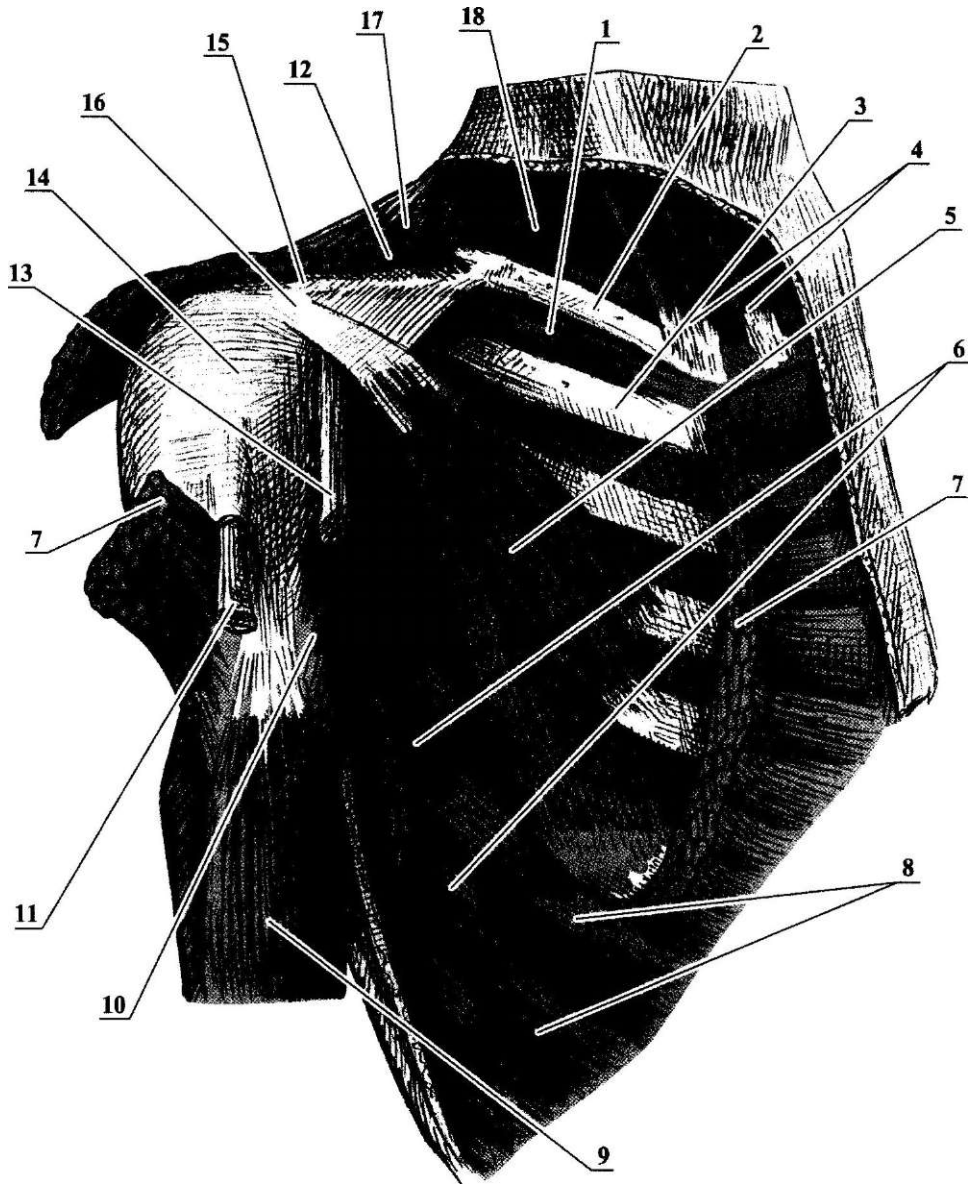


97. 1 - m. sternocleidomastoideus; 2 - m. omohyoideus; 3 - m. sternohyoideus; 4 - m. trapezius; 5 - m. pectoralis major; 6 - m. serratus anterior; 7 - aponeurosis m. obliqui externi abdominis; 8 - lig. inguinale; 9 - m. obliquus externus abdominis; 10 - m. latissimus dorsi; 11 - m. deltoideus.

(. 98).

: n. thoracicus longus

(5- 7).



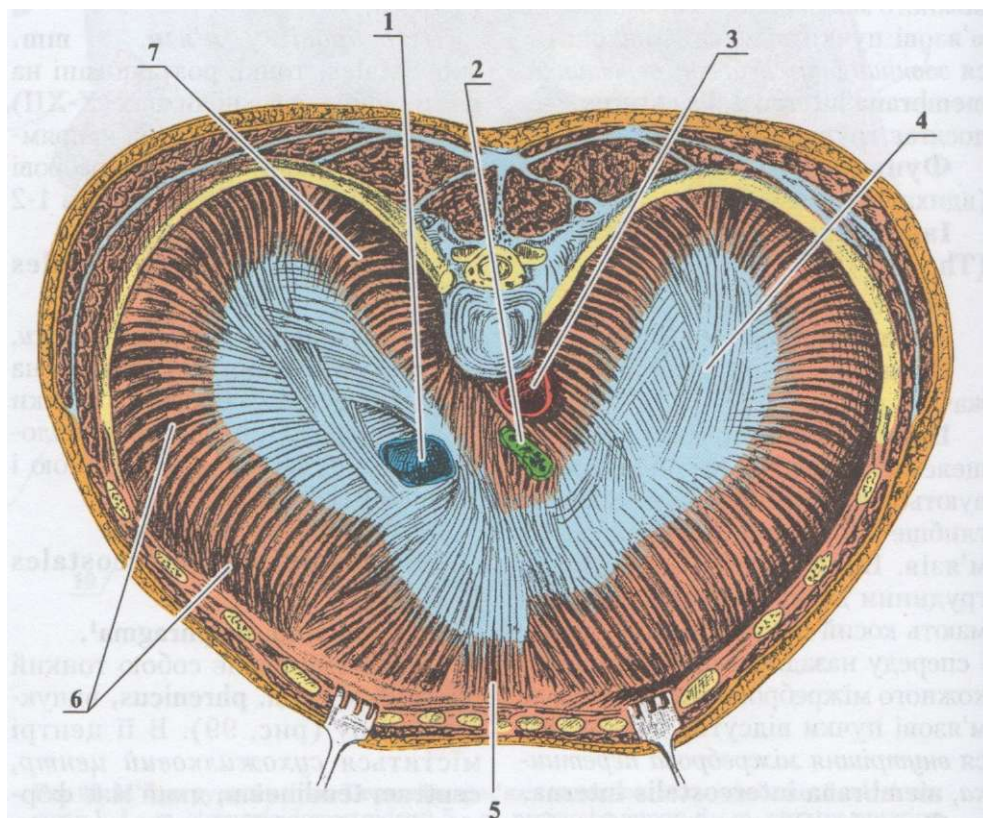
98.
 - m. subclavius; 2 - clavicula;
 - costa ; 4 . sternocleidomastoideus; 5 - . pectoralis minor; 6 - . serratus anterior;
 7 - . pectoralis major (); 8 - m. obliquus extemus abdominis; 9 - m. brachialis;
 10 - m. coracobrachialis; 11 - tendo capitis longus m. bicipitis brachii; 12 - m. deltoideus (-
); 13 - tendo capitis brevis m. bicipitis brachii; 14 - capsula art. humeri; 15 - processus coracoideus;
 16 - lig. coracohumerale; 17 - m. trapezius; 18 - venter inferior m. omohyoidei.

nn. intercostales externi. (Th₁-Th₁₁). : nn. intercostales
mm. levatores costarum.
m. erector spinae.
membrana intercostalis externa, subcostales, (-)
 (). 1-2
nn. intercostales (Th.-Th[^]). : nn. intercostales
mm. intercostales interni (Th₉-Th_u). : nn. intercostales
m. transversus thoracis,
 11-VI
 : nn. intercostales
(Th₂-Th₆). , diaphragma¹.
 , phrenicus,
 (. 99).
membrana intercostalis interna. centrum tendineum,

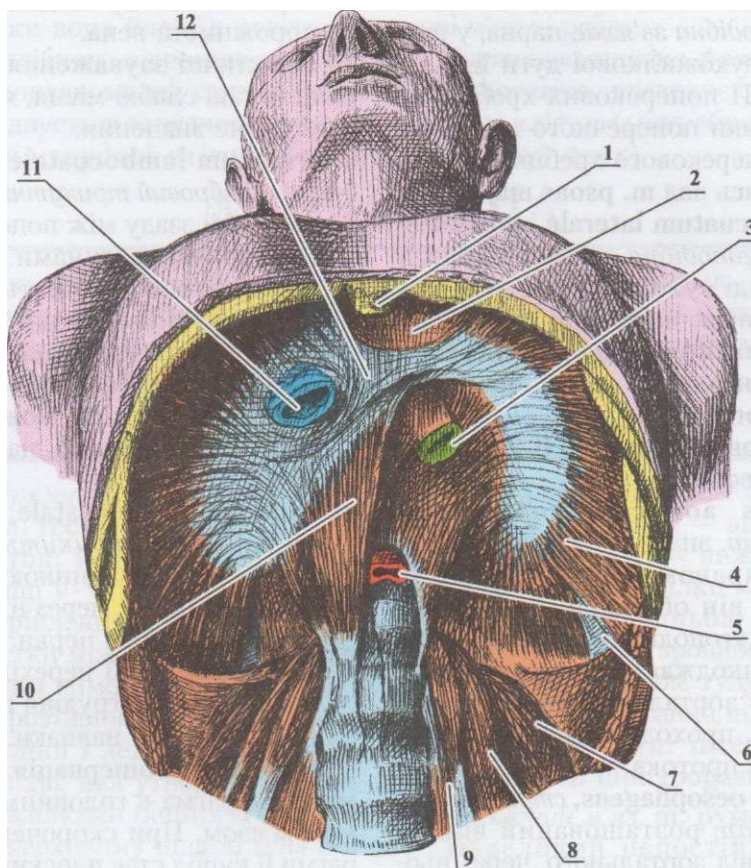
¹ — phren (.) —

, phrenicus —

- **pars sternalis,**
 - **pars lumbalis,**
 - **pars costalis,**
- 1- 11 (. 100).
- VI-XII ;



. 99. . 1 - foramen venae cavae; 2 - hiatus oesophageus; 3 - hiatus aorticus; 4 - centrum tendineum; 5 - pars sternalis diaphragmatis; 6 - pars costalis diaphragmatis; 7 - pars lumbalis diaphragmatis.



100. 1 - processus xiphoideus; 2 - pars sternalis diaphragmatis; 3 - hiatus oesophageus; 4 - pars costalis diaphragmatis; 5 - hiatus aorticus; 6 - trigonum lumbocostale; 7 - m. quadratus lumborum; 8 - m. psoas major; 9 - m. psoas minor; 10 - pars lumbalis diaphragmatis; 11 - foramen venae cavae; 12 - centrum tendineum.

crus dextrum,

II - IV

(hiatus aorticus);

- lig. arcuatum medianum,

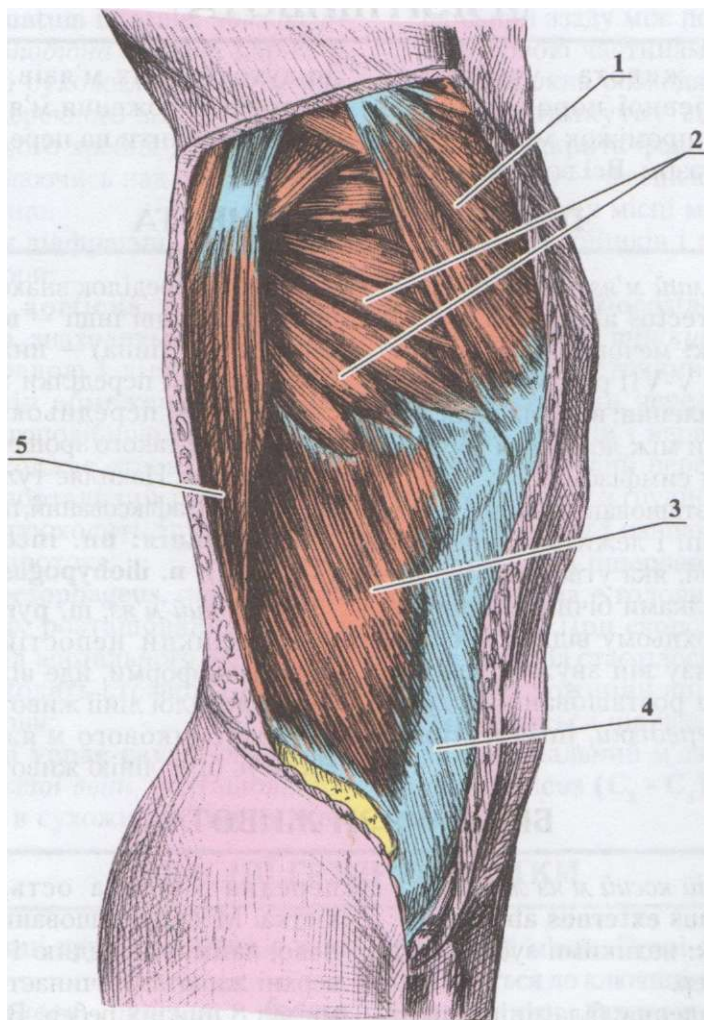
crus sinistrum,

- **lig. arcuatum mediale,**
- **lig. arcuatum laterale,**
- **hiatus aorticus,**
- **hiatus oesophageus,**
- **foramen venae cavae,**
- **trigonum lumbocostale,**
- **trigonum sternocostale,**
- **phrenicus (3 - 5)**
- superficialis,**
- fascia pectoralis,**
- clavipectoralis,**
- fascia**

М'ЯЗОВА СИСТЕМА

thoracica, -
 , fascia , fascia
 endothoracica, ()
 , fascia)
 m. rectus abdominis. -
 : () —
 V-VII -
 : -
 : nn. intercostales
 (Th₅-Th₁₂), n. iliohypogastricus.
 , m. pyramidalis.
 3-4 -
 , intersectiones -
 tendineae¹. -
 m. obliquus externus abdominis -
 : -
 V - 8 -
 : -
 1 —

(. 101).



101. 1 - m. pectoralis minor; 2 - serratus anterior; 3 - m. obliquus externus abdominis; 4 - aponeurosis m. obliqui externi abdominis; 5 - m. latissimus dorsi.

(linea alba).

: nn. intercostalis
 (Th₅-Th₁₂), n. iliohypogastricus, n.
 ilioinguinalis (Th₁₂-L₁).

spina iliaca anterior superior

(Poupartii), lig. inguinale 2/3

m. obliquus internus abdominis. m. cremaster.

(), 2/3

().

() ()

externus abdominis . obliquus . transversus abdominis.

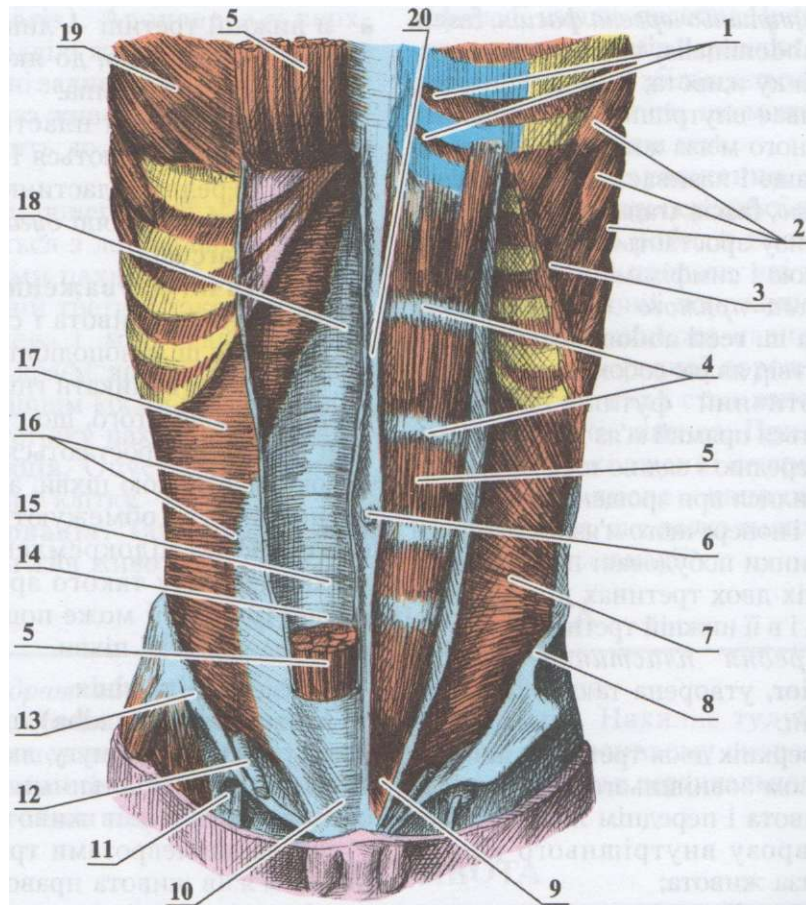
(), VII-XII (),

().

semilunaris).
 ()
 — ()
 « »
 m. quadratus lumborum
 crista iliaca, XII
 superficialis, fascia — 1

posterior, lamitia
 , fascia
 3
 endoabdominalis, fascia
 ;
 , fascia transversalis.
 , linea arcuata¹.
 vagina m. recti abdominis (102).
 (lamina
 anterior,
 : (linea alba)
 • :
 ;
 • :
 1_

30-40 (1-2),
 (3-5).
 (0,5),
 , annulus umbilicalis,
 , umbilicus.

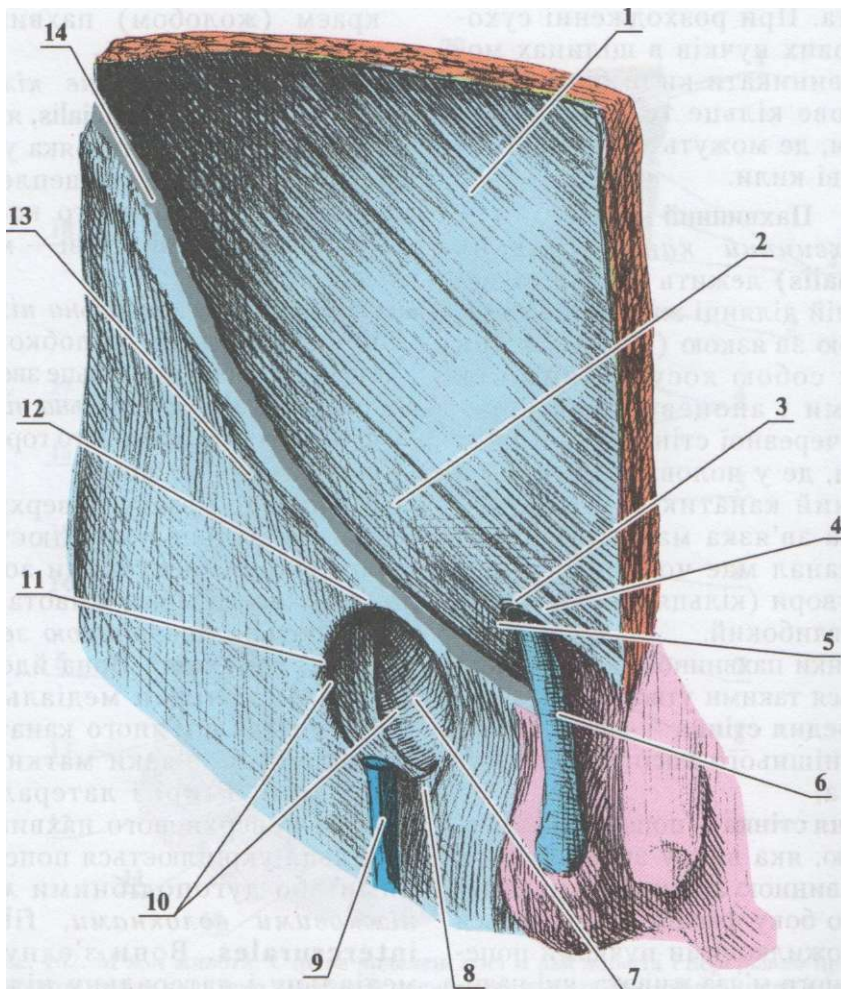


102. 1 - mm. intercostales interni; 2 - m. serratus anterior; 3 - m. obliquus externus abdominis (); 4 - intersectiones tendineae; 5 - m. rectus abdominis; 6 - annulus umbilicalis; 7 - m. obliquus internus abdominis; 8 - crista iliaca; 9 - m. pyramidalis; 10 - vagina m. recti (lamina anterior); 11 - hiatus saphenus; 12 - funiculus spermaticus; 13 - lig. inguinale; 14 - fascia transversalis; 15 - linea arcuata; 16 - linea semilunaris; 17 - m. transversus abdominis; 18 - vagina m. recti (lamina posterior); 19 - m. pectoralis major; 20 - linea alba.

: ——— ———
 • —
 , —
 ' ()
 • ()
 •
anulus inguinalis superficialis,
 ,
 ,
 •
(canalis
inguinalis) (. 103).
 • **crus mediale,** 1
 ;
 • **crus laterale,**
 ;
 -5 ,
 —
 () —
 , **lig. reflexum**².
 ;
 —
 ;
 ,
 —
 •
intercruales. , **fibrae**
falx inguinalis (
)¹;
 ,

¹ —
² —

anulus inguinalis profundus,
 fossa
 inguinalis medialis,



103. 1 - aponeurosis m. obliqui externi abdominis; 2 - lig. inguinale; 3 - fibrae intercrurales; 4 - crus mediale; 5 - crus laterale; 6 - funiculus spermaticus; 7 - fascia lata (lamina profunda); 8 - cornu inferius; 9 - vena saphena magna; 10 - hiatus saphenus; 11 - margo falciformis; 12 - cornu superius; 13 - fascia lata (lamina superficialis); 14 - spina iliaca anterior superior.

' , 1,0 - 1,5 (fossa inguinalis
 . (lateralis) , -
 - ,
 ' .
 . fossa
 inguinalis medialis. -
 ,
 ' ,
 ' , lig. interfoveolare, - -
 : , -
 - .
 lateralis, , fossa inguinalis -
 . , ' -
 . -
 -
 , -
 , -
 . -
 , -
 , -
 . -

- :
1. ?
 2. ? - -
 3. ? ?
 4. (?) -
 5. - (?) ?
 6. ?
 7. .
 8. .
 9. ?
 10. .
 11. ? -
 12. ?
 13. ?
 14. « ? »
 15. .
 16. (?
 17. ?
 18. , 2) 1)
 19. ? ?
 20. : 1) ..
 21. ?
 22. ?
 23. ? ?
 24. ?
 25. ? ?
 26. ? ?
 27. ?

« >

() . 104.

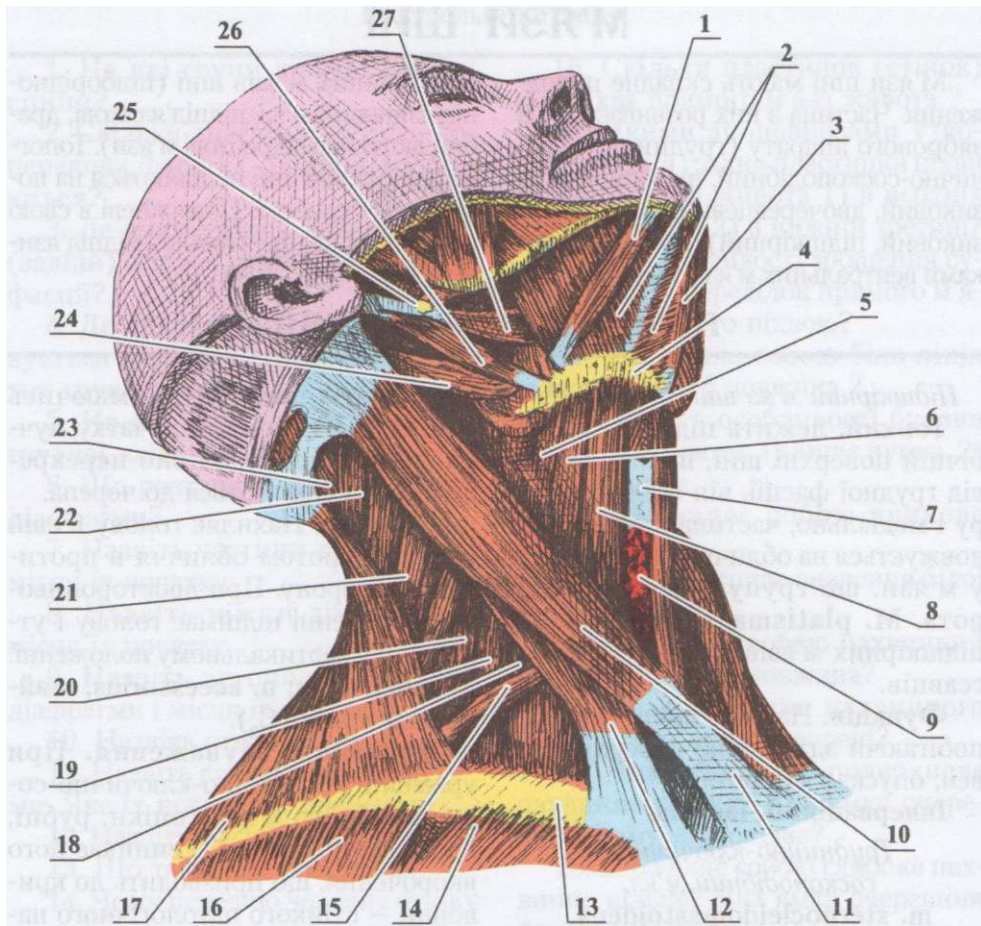
platysma¹. clavicularis minor.

platysma — : n. accessorius, (2).

: n. facialis. m. sternocleidomastoideus.

(. . SUPRAHYOIDEI) , mm, digastricus.

, fossa supra- — platus (.) — .



104. 1,3- venter anterior m. digastrici; 2 - m. mylohyoideus; 4 - os hyoideum; 5 - m. thyrohyoideus; 6 - venter superior m. omohyoidei; 7 - cartilago thyroidea; 8 - m. sternohyoideus; 9 - glandula thyroidea; 10 - m. sternocleidomastoideus; 11 - pars sternalis m. sternocleidomastoidei; 12 - pars clavicularis m. sternocleidomastoidei; 13 - clavicula; 14 - m. pectoralis major; 15 - venter inferior m. omohyoidei; 16 - m. deltoideus; 17 - m. trapezius; 18 - m. scalenus anterior; 19 - m. scalenus medius; 20 - m. scalenus posterior; 21 - m. levator scapulae; 22 - m. splenius capitis; 23 - m. semispinalis capitis; 24 - venter posterior m. digastrici; 25 - processus styloideus; 26 - m. stylohyoideus; 27 - m. styloglossus.

venter anterior
posterior,

— venter

.. -;--' ^,,

: n. trigemmus.

. geniohyoideus.

spina mentalis

m.

hyoidei.

(C₁-C₂)

n. hypoglossus.

— n. trigeminus,

— n. facialis.

stylohyoideus,

(. INFRAHYOIDEI)

() .

: n. facialis.

m, mylohyoideus.

()

• m. sternohyoideus,

• . sternothyroideus,

(diaphragma oris).

(raphe

mylohyoidea).

• , thyrohyoideus,

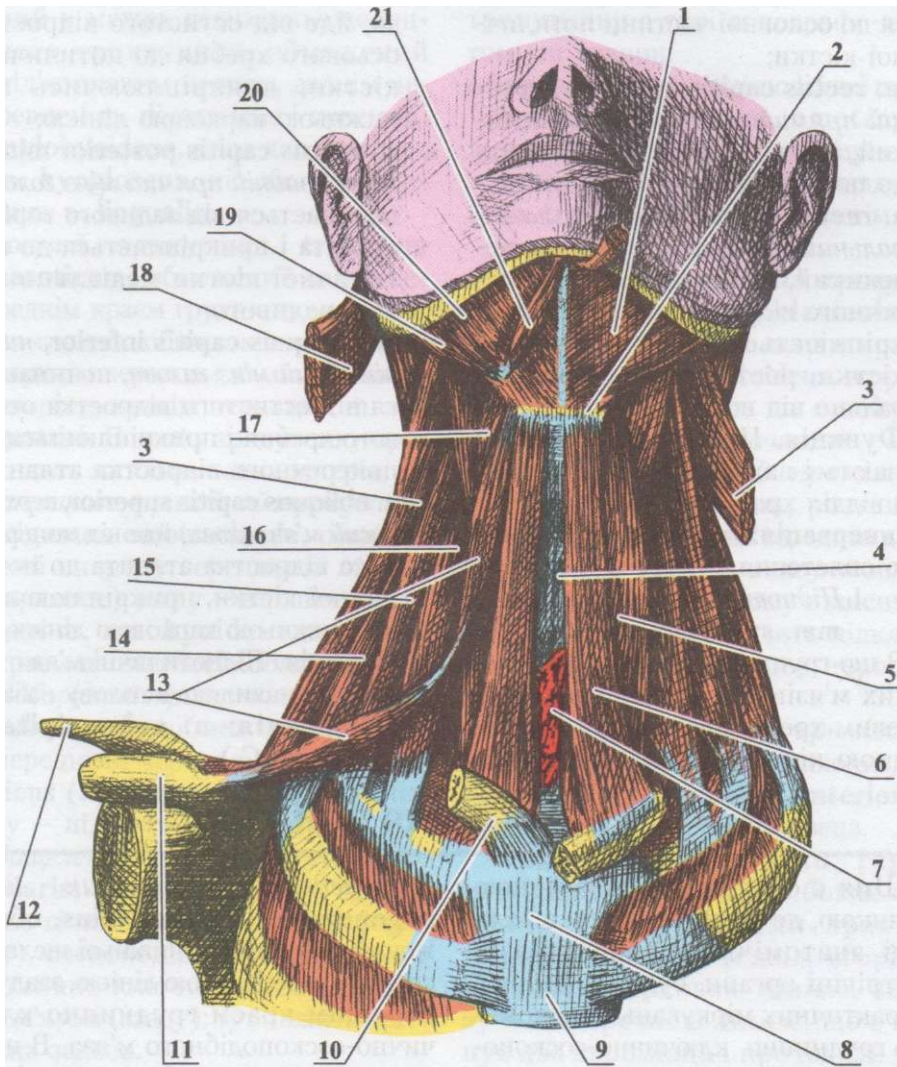
() .

MUSCULA CERVICIS

- **m. omohyoideus¹,**
 — venter superior et venter inferior,
 (Cj-C₂); : ansa cervicalis
- **mm. scaleni**
 (II, II, II); (spatium interscalenum).
 • **m. scalenus posterior,**
 (C₂-C₇); (II, II)
- **m. scalenus anterior,**
 (C₃-C₈); . praevertebrales
- **m. scalenus medius,**
 (C₄-C₈);
 • **m. longus colli,**
 (C₁-C₇);

¹ — omoplate () —

• m. longus capitis,



105. 1 - m. mylohyoideus; 2 - os hyoideum; 3 - levator scapulae; 4 - larynx; 5 - m. sternohyoideus; 6 - m. sternothyroideus; 7 - glandula thyroidea; 8 - manubrium sterni; 9 - sternum; 10 - clavicula; 11 - processus coracoideus; 12 - acromion; 13 - m. omohyoideus; 14 - m. scalenus posterior; 15 - m. scalenus medius; 16 - m. scalenus anterior; 17 - m. thyrohyoideus; 18 - m. sternocleidomastoideus; 19 - venter posterior m. digastrici; 20 - m. stylohyoideus; 21 - venter anterior m. digastrici.



• . ;— -

III-VI

- m. rectus capitis anterior,
- m. rectus capitis lateralis,

- m. rectus capitis posterior major,

- m. rectus capitis posterior minor,

- m. obliquus capitis inferior,

- m. obliquus capitis superior,

: rr. musculares

mm. suboccipitales.

4

: n. suboccipitalis

().

trigonum cervicale anterius,

(' ,)

4

: regio sternocleido-mastoidea,

trigonum submandibulare,

- digastricus.
- trigonum linguale¹. (), , —
- m. digastricus, trigonum omotrapezoideum, — m. mylohyoideus, sternocleidomastoideus; — . hyoglossus, m. trapezius, — . lingualis; . omohyoideus.
- caroticum, trigonum omohyoidei, m. sternocleidomastoideus, — m. omohyoidei, di-², trigonum omoclaviculare, gastrici. m. sternocleidomastoideus, — . omohyoideus, — .
- trigonum omotracheale, spatium interscalenum, — (), — sulcus . . omohyoidei subclaviae, — m. sternocleidomastoidei.
- submentale, trigonum spatium antescalenum, — digastricus (), . scaleni anterioris, — , fossa retromandibularis, cervicales posterior, — () , regio () ; — VII
- trigonum cervicale laterale, — VII

¹ — . .

² — .

, fascia cervicalis,

superficialis,

cleidomastoideus

(),

—

;

1 -

mina pretrachealis¹,

mm. omohyoidei.

, lamina platysma

m.sterno-

omohyoidei,

mina prevertebralis,

fascia endotheracica.

, vagina carotica.

1 -

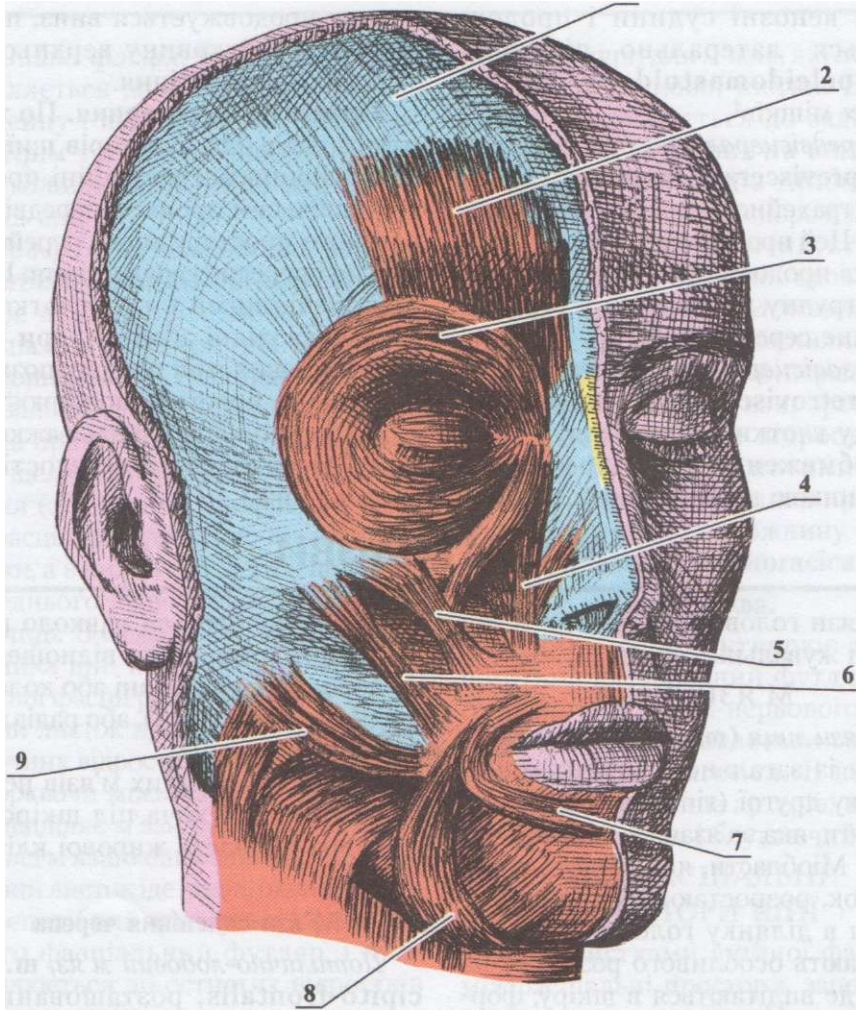
suprasternale,

, spatium

¹— () .

sternocleidomastoidei mm.
 tium previscerale, , spa-
 tium retroviscerale, , spa-
 ()
 (.faciei) ()
 ()
 cipito-frontalis,
 (. 106).
 ;
 ;
 aponeurotica, , galea

1_



106. 1 - galea aponeurotica; 2 - venter frontalis m. occipitofrontalis; 3 - m. orbicularis oculi; 4 - m. levator labii superioris; 5 - m. zygomaticus minor; 6 - m. zygomaticus major; 7 - m. orbicularis oris; 8 - m. depressor anguli oris; 9 - m. risorius.

М'ЯЗОВА СИСТЕМА

• . auricularis posterior,

« ».

, venter frontalis, m. procerus.

glabella.

().

cipitalis, venter oculi, m. orbicularis

• pars orbitalis,

(m. temporoparietalis),

, mm. auriculares.

• pars palpebralis,

• pars profunda,

• m. auricularis anterior,

. auricularis superior,

М'ЯЗОВА СИСТЕМА

(pars palpebralis),
(pars orbitalis).
• pars labialis,
• pars marginalis,
m. corrugator supercilii.
()
m. nasalis.
, m. buccinator.
(pars transversa),
alaris), (pars
(m. depressor septi
nasi).
m. orbicularis oris
()¹.

¹ — «

(^

m. levator labii superioris

m. depressor labii inferioris.

m. mentalis.

juga alveolaria

m. levator anguli oris

fossa canina

m. zygomaticus major

n. facialis.

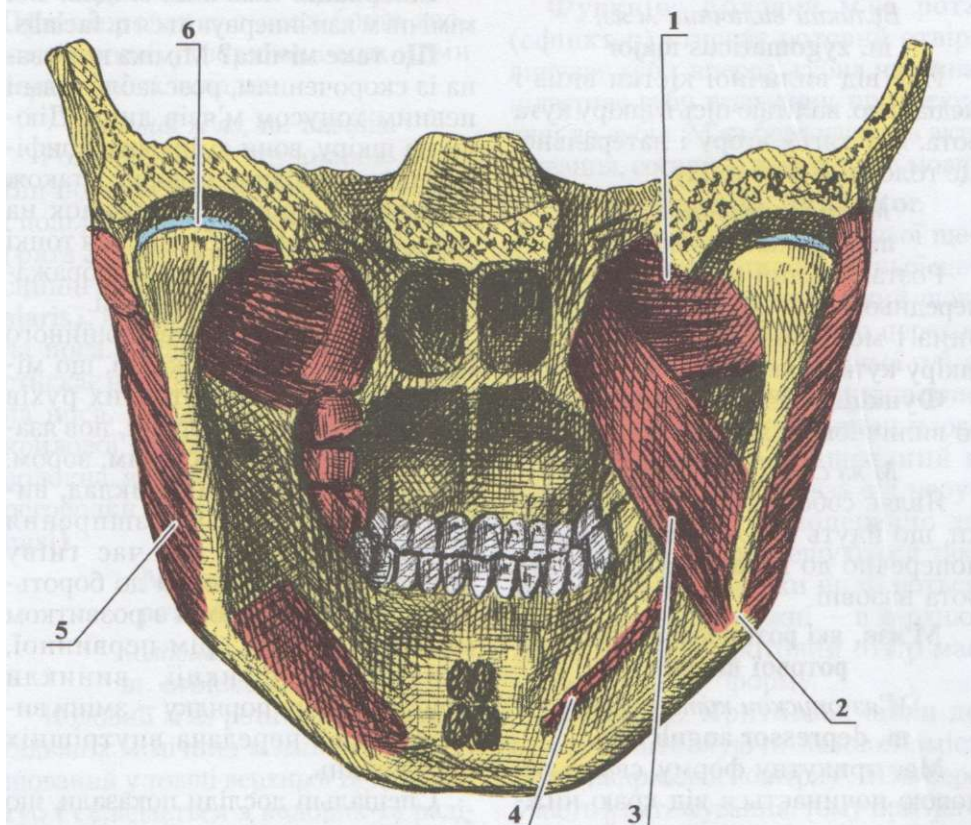
zygomaticus minor.

m. risorius.

m. depressor anguli oris,

1 _ , _

Жувальні м'язи розвиваються із першої вісцеральної (мандибулярної) дуги, яка пов'язана з третьою загального мезенхімного зачатка



107. 1 - m. pterygoideus lateralis; 2 - angulus mandibulae; 3 - m. pterygoideus medialis; 4 - m. mylohyoideus (); 5 - m. masseter; 6 - discus articularis.

М'ЯЗОВА СИСТЕМА

()

(. 107).

m. masseter.

(pars superficialis)
(pars profunda).

m. pterygoideus medialis.

m. pterygoideus lateralis.

()

().

m. temporalis.

*--

rotidea, fascia -
 () , fascia mas-
 , fascia temporalis, seterica, -
 . masseter. -
 temporalis superior. -

(lamina superficialis) - , fascia
 (lamina profunda), buceopharyngea, -
 buccae¹. , corpus adiposum

1. - 10. -
2. - 11. -
3. ? - 12. ? -
4. - 13. ? -
5. - 14. ? -
6. ? « »? -
7. ? ? - 15. ? -
8. ? - 16. ? -
9. ? ? - 17. ? -
- 18. -
- 19. -

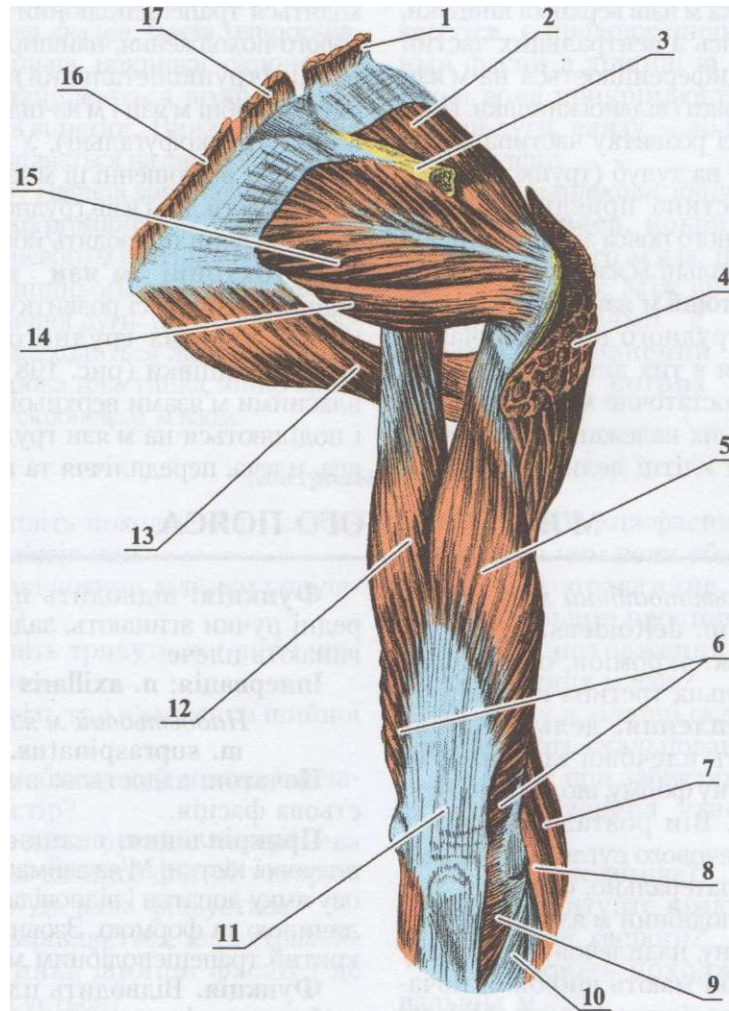
(),
 ().
 (),
 ().
 (. 108).

m. deltoideus.

:
 : n. axillaris (5- 6).
m. supraspinatus.
 :
 :
 : n. suprascapularis
 (5- 6).

m. infraspinatus.

:
 ..



108. 1 - m. levator scapulae; 2 - m. supraspinatus; 3 - spina scapulae; 4 - m. deltoideus; 5 - caput laterale m. tricipitis brachii; 6 - caput mediale m. tricipitis brachii; 7 - m. brachioradialis; 8 - m. extensor carpi radialis longus; 9 - m. anconeus; 10 - fascia antebrachii; 11 - tendo m. tricipitis brachii; 12 - caput longum m. tricipitis brachii; 13 - m. teres major; 14 - m. teres minor; 15 - m. infraspinatus; 16 - m. rhomboideus major; 17 - m. rhomboideus minor

: n. suprascapularis (, -).

. teres minor.

: n. subscapularis

< 5- 6).

m. subscapularis.

: n. axillaris(C₅-C₇).

m. teres major.

: . subscapularis

(, -).

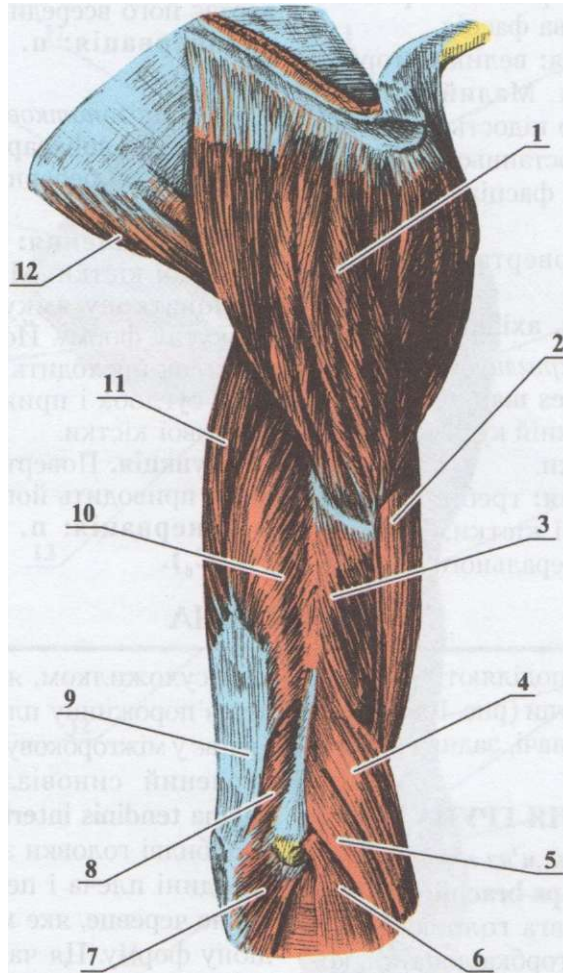
(. 109).

vagina tendinis intertubercularis.

m. biceps brachii

longum, , caput breve.

aponeurosis . bicipitis
brachii¹. : n. musculocutaneus
(5- 6).

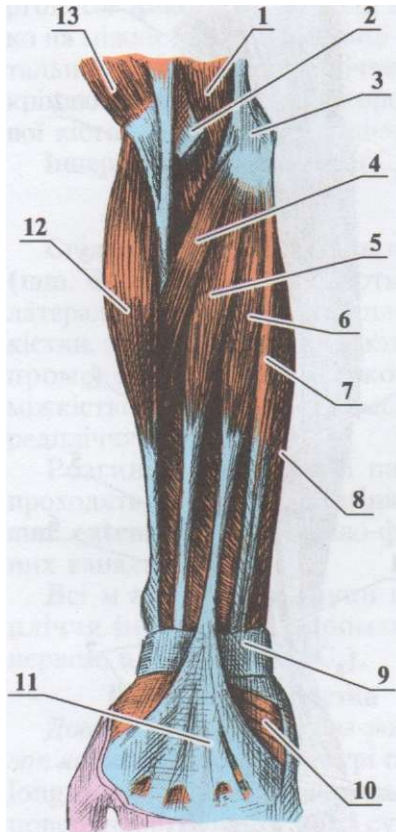


109. 1 - m. deltoideus; 2 - m. biceps
brachii; 3 - m. brachialis; 4 - m. brachioradialis; 5 - m. extensor carpi
radialis longus; 6 - m. extensor carpi radialis brevis; 7 - m. anconeus; 8 - caput
mediale m. tricipitis brachii; 9 - tendo m. tricipitis brachii; 10 - caput
laterale m. tricipitis brachii; 11 - caput longum m. tricipitis brachii; 12 - m.
teres major.

¹ — —
1837

; n. radialis (C₅-C₈).
 (caput humeroulnare)
 (caput radiale)
 4
 (. flexores) - retinaculum m.m. flexorum -
 II-V
 (. 110, 111).
 longus, m. palmaris - : n. medianus
 (5-)
 (C₅-Th₁). : n. medianus flexor digitorum profundus, -
 , m. flexor radialis, -
 4
 II flexorum retinaculum mm.
 : n. medianus -
 (5-) -
 . flexor ulnaris, - II-V
 : n. medianus
 (C.-Th.).
 V , m. flexor pollicis longus, -
 : n. ulnaris (7- 8). retina-
 culum mm. flexorum -
 m. flexor digitorum superficialis,

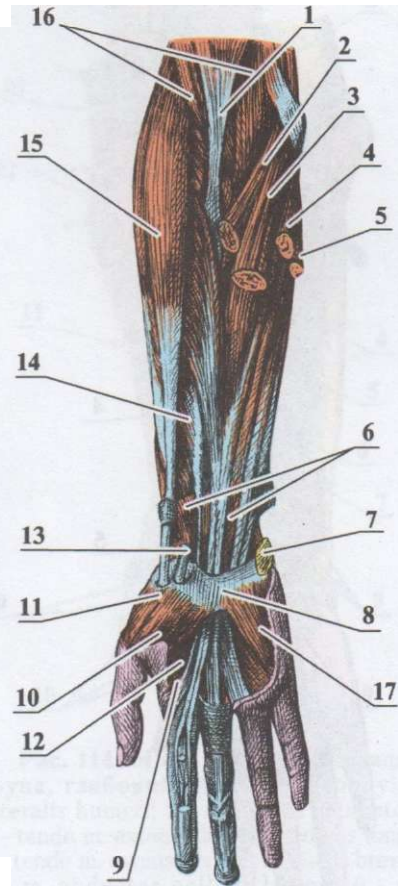
: n. medianus (^-).



. 110.

1 - m. brachialis;
2 - aponeurosis bicipitis brachii;
3 - epicondylus medialis humeri; 4 - m. pronator teres; 5 - m. flexor carpi radialis; 6 - m. palmaris longus; 7 - m. flexor digitorum superficialis; 8 - m. flexor carpi ulnaris; 9 - retinaculum flexorum; 10 - m. palmaris brevis; 11 - aponeurosis palmaris; 12 - m. brachioradialis; 13 - m. biceps brachii.

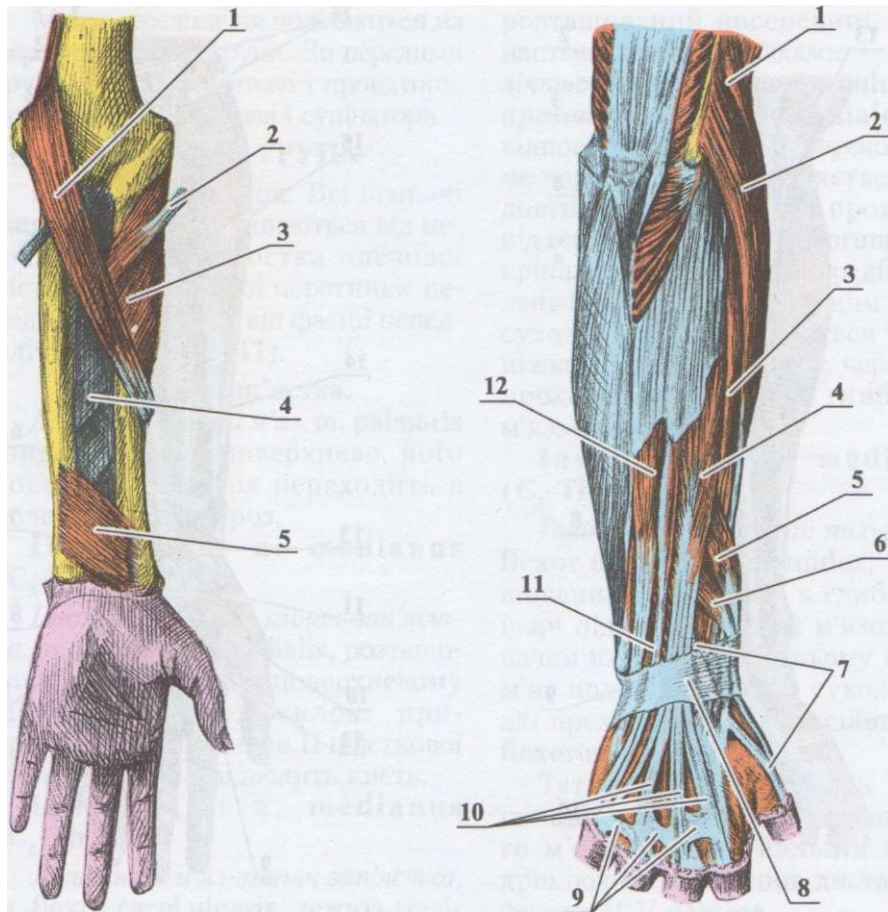
pronator teres,



. 111.

1 - m. biceps brachii;
2 - pronator teres; 3 - flexor radialis; 4 - palmaris longus; 5 - flexor ulnaris; 6 - pronator quadratus; 7 - os pisiforme; 8 - retinaculum flexorum; 9 - m. lumbricalis; 10 - m. flexor pollicis brevis; 11 - m. abductor pollicis brevis; 12 - m. adductor pollicis; 13 - tendo m. flexoris carpi radialis; 14 - m. flexor pollicis longus; 15 - m. brachioradialis; 16 - m. brachialis; 17 - m. flexor digiti minimi brevis.

(. 112).



. 112. ' -
 , . 1 - m. pronator teres; 2 - tendo
 . bicipitis brachii; 3 - . supinator;
 4 - membrana interossea antebrachii; 5 - m.
 pronator quadratus.

. 113. ' -
 , . 1 - . brachioradialis; 2 - . extensor
 radialis longus; 3 - . extensor
 radialis brevis; 4 - m. extensor digitorum; 5 - m.
 abductor pollicis longus; 6 - m. extensor
 pollicis brevis; 7 - m. extensor pollicis longus;
 8 - retinaculum extensorum; 9 - connexus
 intertendineus; 10 - tendines m. extensoris
 digitorum; 11 - m. extensor digiti minimi;
 12 - m. extensor ulnaris.

: n. medianus
(C₅-Th₁).

pronator quadratus,

: n. medianus (C--Th₁).

(mm. extensores)

(. 113, 114).

retinaculum
mm. extensorum

, n. radialis (4- 8).

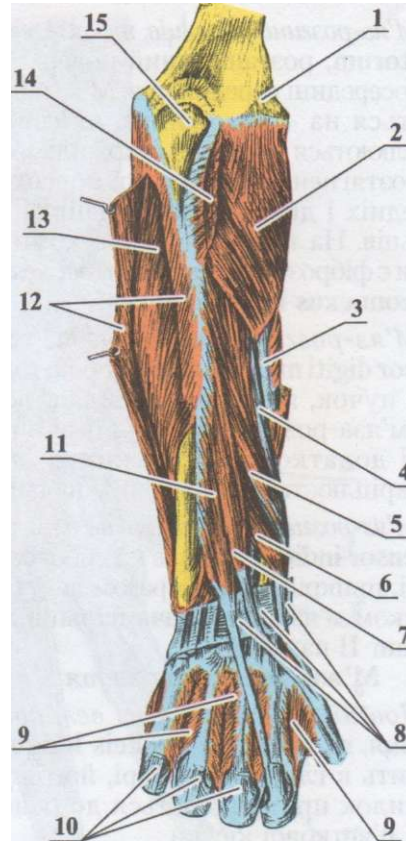
, m. extensor radialis
longus,

II

, m. extensor
radialis brevis,

III

, . extensor ulnaris,



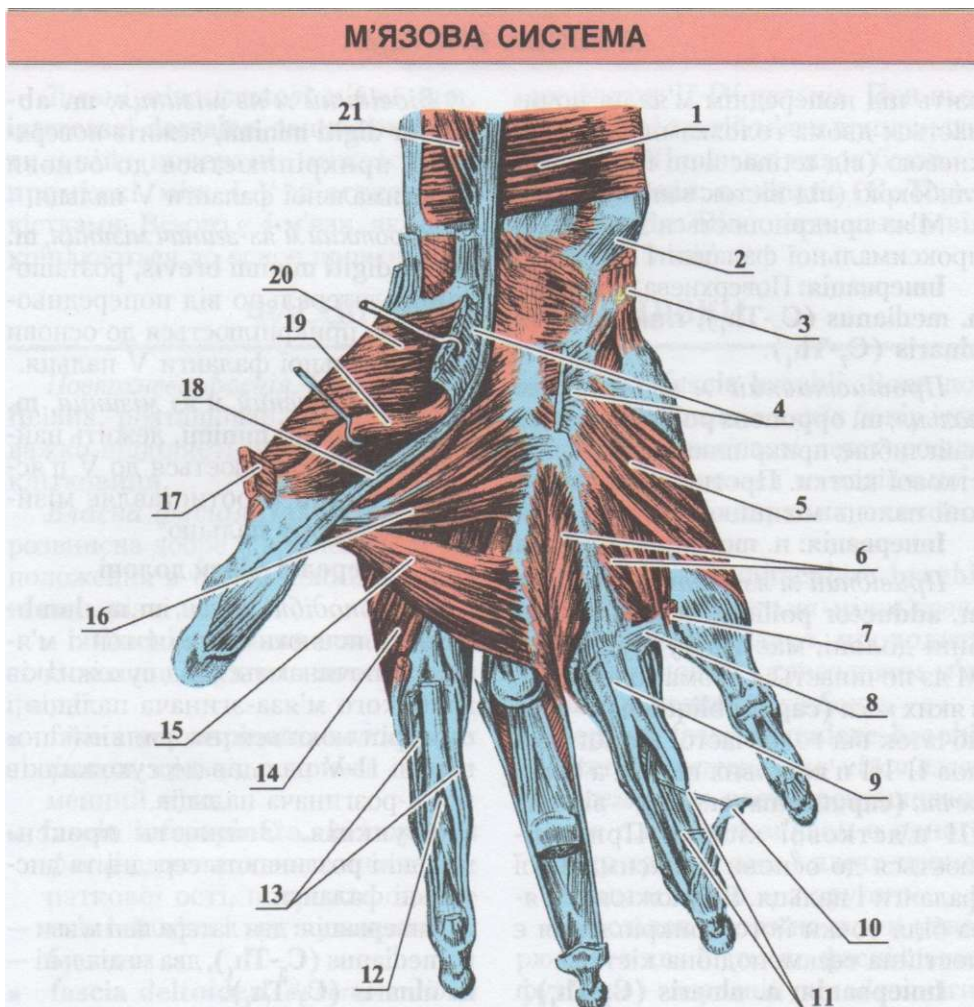
. 114. . 1 - epicondylus
lateralis humeri; 2 - musculus supinator;
3 - tendo . extensoris carpi radialis longi;
4 - tendo m. extensoris carpi radialis brevis;
5 - m. abductor pollicis longus; 6 - m.
extensor pollicis brevis; 7 - m. extensor pollicis
longus; 8 - retinaculum extensorum (-
); 9 - mm. interossei dorsales;
10 - tendines m. extensoris digitorum;
11 - m. extensor indicis; 12 - m. flexor carpi
ulnaris; 13 - m. flexor digitorum profundus;
14 - m. anconeus; 15 - olecranon.

V

digitorum, m. extensor, m. extensor pollicis longus,
 4, II-V, m. supinator,
 , connexus intertendineus.
 tensor digiti, V, ()
 extensor indicis, brachioradialis,
 II, m. abductor pollicis longus,
 , m. extensor pollicis brevis, ()
 3, (. 115).
 (thenar),
 (hypothenar) retinaculum mm.

¹ —
² — thenar () — , theino () — « »

М'ЯЗОВА СИСТЕМА



115. 1 - pronator quadratus; 2 - tendo m. flexoris ulnaris; 3 - os pisiforme; 4 - retinaculum flexorum (); 5 - m. opponens digiti minimi; 6 - mm. interossei palmares; 7 - m. lumbricalis (); 8 - lig. metacarpeum transversum profundum; 9 - tendo m. flexoris digitorum superficialis; 10 - tendo m. flexoris digitorum profundus; 11 - mesotendineum; 12 - chiasma tendinum; 13 - vagina synovialis indicis; 14 - m. interosseus dorsalis; 15 - caput transversum m. adductoris pollicis; 16 - caput obliquum m. adductoris pollicis; 17 - m. abductor pollicis brevis; 18 - tendo m. flexoris pollicis longi; 19 - m. flexor pollicis brevis; 20 - m. opponens pollicis; 21 - m. flexor pollicis longus.

flexorum, (, -). : n. medianus (C₅-Th₁). , m. abductor pollicis brevis, , m. flexor pollicis brevis, -

(retinaculum flexorum)
 ().
 . medianus (C.-Thj),
 ulnaris (Cj-Thj).
 , m. opponens pollicis,
 : n. medianus (C.-Thj).
 m. adductor pollicis,
 (caput obliquum) —
 (caput transversum) —
 III
 : n. ulnaris (C₇-Th_t).
 hypothenar¹.
 flexorum, retinaculum
 : n. ulnaris (C₇-Th_t).
 palmaris brevis,
 hypothenar,

ductor digiti minimi,
 V
 flexor digiti minimi brevis,
 V
 opponens digiti minimi,
 V <
 ricales, 4 5
 II-V
 n. medianus (C.-Tl[^]),
 n. ulnaris (Cj-Thj).
 interossei palmares,
 II-V
 3
 II, IV V
 II, IV
 ()
 : n. ulnaris (7- 1)

¹ — — antithenar ().

interossei dorsales, *wm* ' - , *mm.* II-IV -
 I-V ' III : n. ulnaris (C₇-Th₁).
 4 ' - : 1.

ficialis, , fascia super- , fascia brachii. -
 ,

, fascia propria, :
 , • septum intermusculare brachii
 , mediale,

• fascia supraspinata, :
 , - • septum intermusculare brachii
 laterale,

• fascia infraspinata, ;
 , - , ' - -
 , -

• fascia deltoidea, -
 , - -

• fascia axillaris, ;
 , tebrachii, , fascia -
 , -
 , -
 , -

¹ — V

, fascia palmaris manus,
 , aponeurosis m. bicipitis
 brachii,
 :
 retinaculum musculorum exten-
 sorum,
 , aponeurosis palmaris.
 , fascia dor-
 salis manus,
 • retinaculum musculorum flexorum,
 , cavitas
 axillaris,

fossa axillaris.

()

1) — ;

2) — ;

3) — ;

4) — ;

(apertura superior et inferior).

• foramen quadrilaterum,

(), ()

() ;

• foramen trilaterum,

(), ()

().

• trigonum clavipectorale, -

4 • trigonum pectorale, -

• trigonum subpectorale, -

() () -

nervi radialis,

sulcus n. radialis

m. tricipitis brachii,

brachialis . brachioradialis.

n. radialis .

funda brachii.

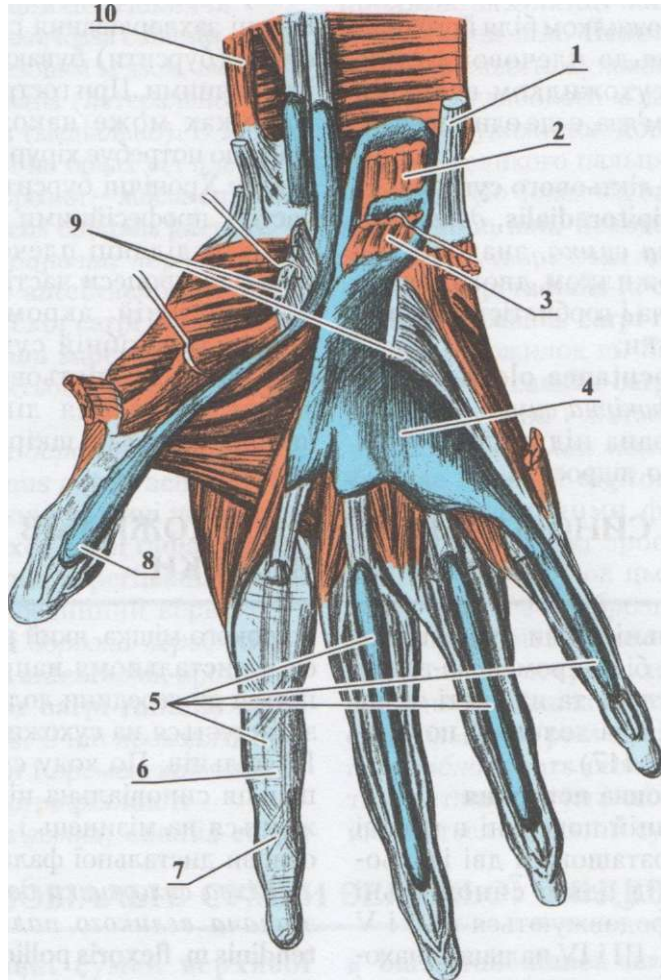
sulcus bicipitalis medialis,

sulcus bicipitalis lateralis,

cephalica.

	, fossa cubitalis,	-retinaculum mm. flexorum.
m. brachioradialis ()		
pronator teres ()		
	— sulcus cubitalis	canalis
medialis et sulcus cubitalis lateralis.		retinaculum mm. flexorum
sulcus ulnaris antebrachii,		canalis radialis
m. flexor carpi ulnaris et m.		ulnaris. canalis radialis
flexor digitorum superficialis.		flexoris
		radialis, canalis ulnaris
sulcus medianus antebrachii,		vaginae fibrosae digitorum manus,
m. flexor radialis et m.		
flexor digitorum superficialis.		
sulcus radialis antebrachii,		
m. flexor radialis et m.		
brachioradialis.		(pars anularis)
		(pars cruciformis)
		;
	, canalis	
		bursa subcutanea acromialis,
	:	;
• bursa subdeltoidea,	:	bursa subtendinea m. subscapularis,
	;	
• bursa subacromialis,	;	bursa subtendinea latissimi dorsi,
	;	

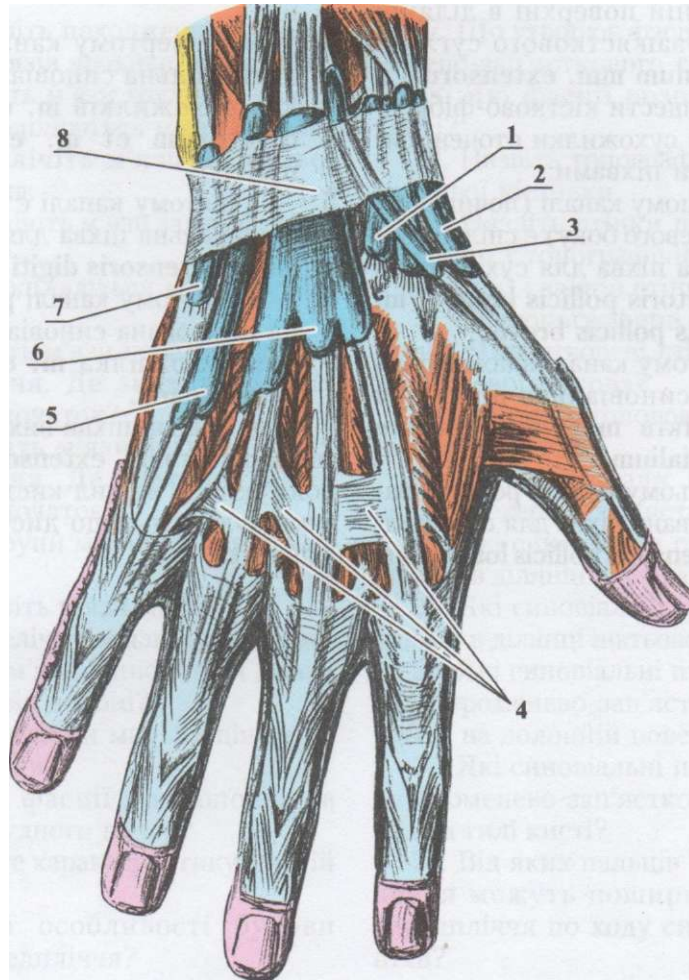
• **bursa bicipitoradialis,** ()
 • **bursa subcutanea olecrani,**)
 (. 116, 117). IV II, III V
 II, III IV V tendinis m. flexoris pollicis longi,
 , vagina communis tendinum vaginae synoviales
 mm. flexorum, 8 3). II, III IV (



116. 1 - tendo m. flexoris ulnaris; 2 - m. flexor digitorum profundus; 3 - m. flexor digitorum superficialis; 4 - vagina communis tendinum mm. flexorum; 5 - vaginae synoviales digitorum manus; 6 - pars anularis vaginae fibrosae; 7 - pars cruciformis vaginae fibrosae; 8 - vagina tendinis m. flexoris pollicis longi; 9 - retinaculum flexorum; 10 - m. brachioradialis.

V

()



. 117. . 1 - vagina tendinum mm. abductoris longi et extensoris pollicis brevis; 2 - vagina tendinum mm. extensoris pollicis longi; 3 - connexus intertendineus; 4 - vagina tendinum mm. extensoris digiti minimi; 5 - vagina tendinum mm. extensoris digitorum et extensoris indicis; 6 - vagina tendinis m. extensoris carpi ulnaris; 7 - retinaculum extensorum; 8 - vagina tendinum mm. extensorum carpi radialis.

II, III IV

(200,0),

		4	—	;		-
	retinaculum mm. extensorum					-
					m. extensoris	
					digitorum et . extensoris	
1	—		:		indicis;	
			(5	—
)			-
	m. abductoris pollicis longi et m. extensoris pollicis brevis;				m. extensoris digiti minimi;	
2	—				6	—
						-
	mm. extensorum				m. extensoris	
	radialium;				ulnaris.	
3	—				retinaculum mm. extensorum	-
	m. extensoris pollicis longi,					-

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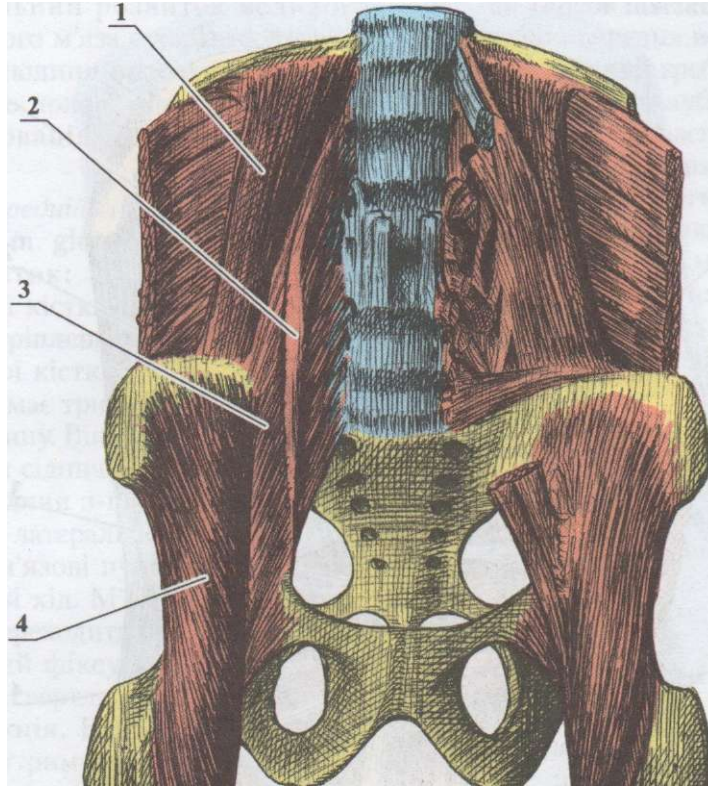
(. 118, 119).

, **m. iliacus**

iliopsoas,

. **psoas major**

XII



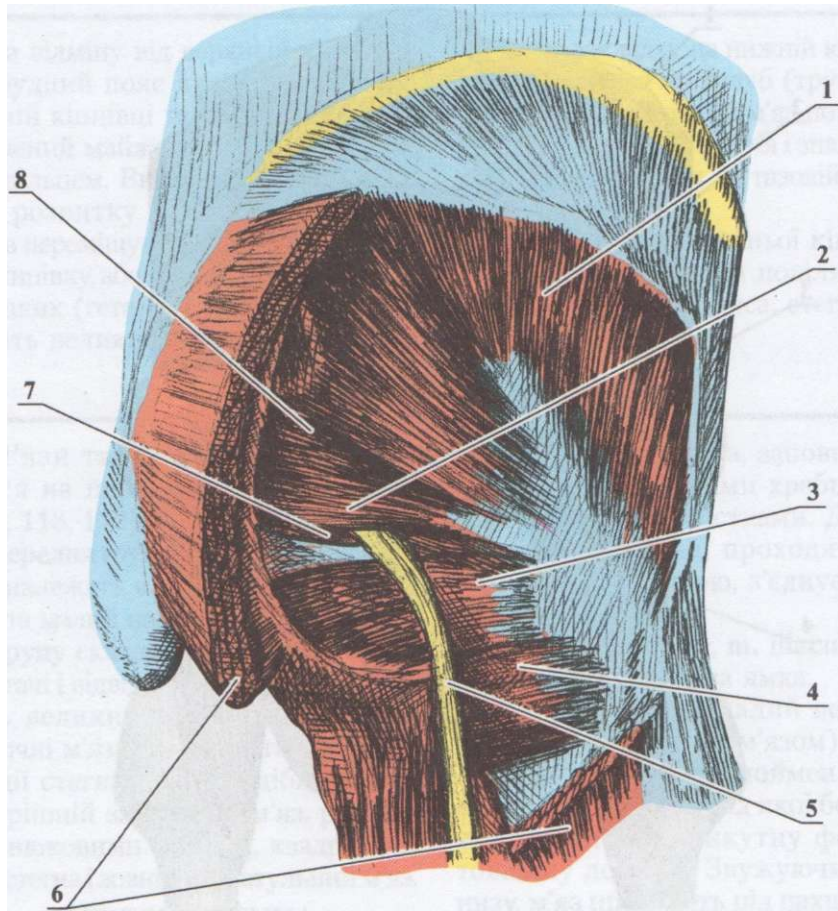
118. 1 - m. quadratus lumborum; 2 - psoas minor; 3 - psoas major; 4 - iliacus.

: rr. musculares (L₂-L₄),

m. psoas m. gluteus maximus.

XII

eminentia iliopubica.



119. 1 - m. gluteus minimus; 2 - m. piriformis;
 - m. obturatorius internus; 4 - m. quadratus femoris; 5 - n. ischiadicus; 6 - m. gluteus
 maximus; 7 - for. infrapiriforme; 8 - for. suprapiriforme.

Jv_____ £

m. tensor fasciae latae.

: n. gluteus inferior
 (<VS₂).

m. gluteus medius.

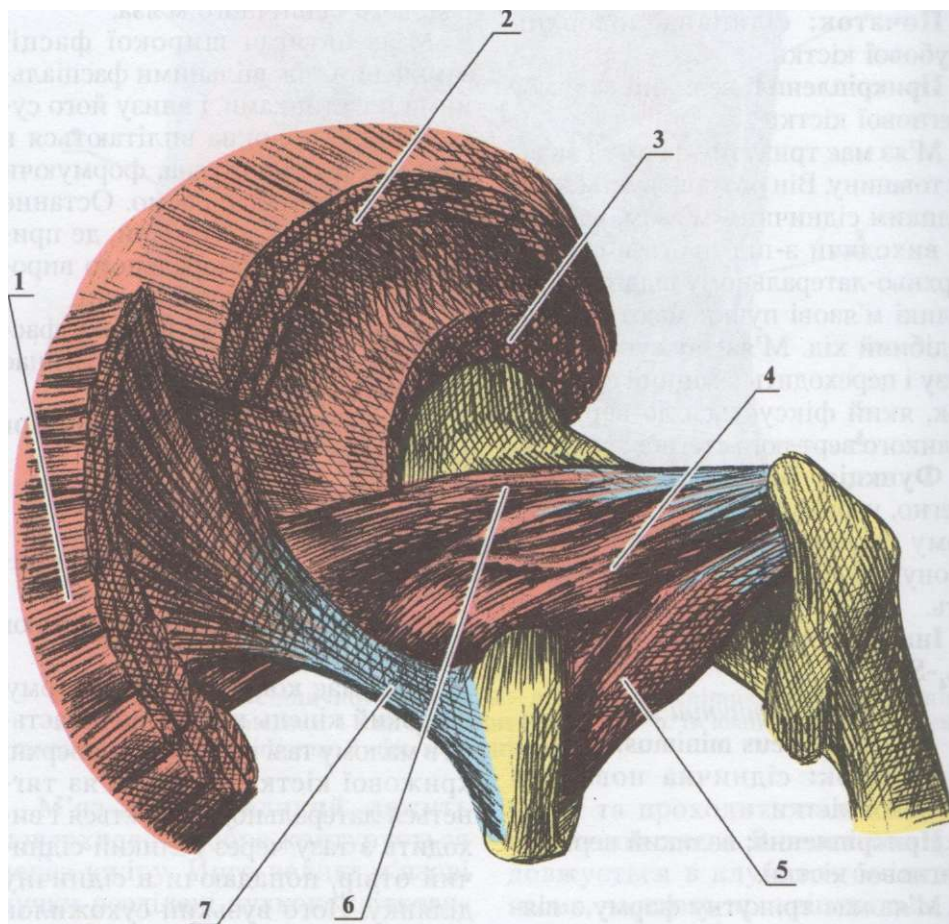
: n. gluteus superior
 (L₄-S₄).

m. gluteus minimus.

: rr. musculares
 (S₁-S₃).

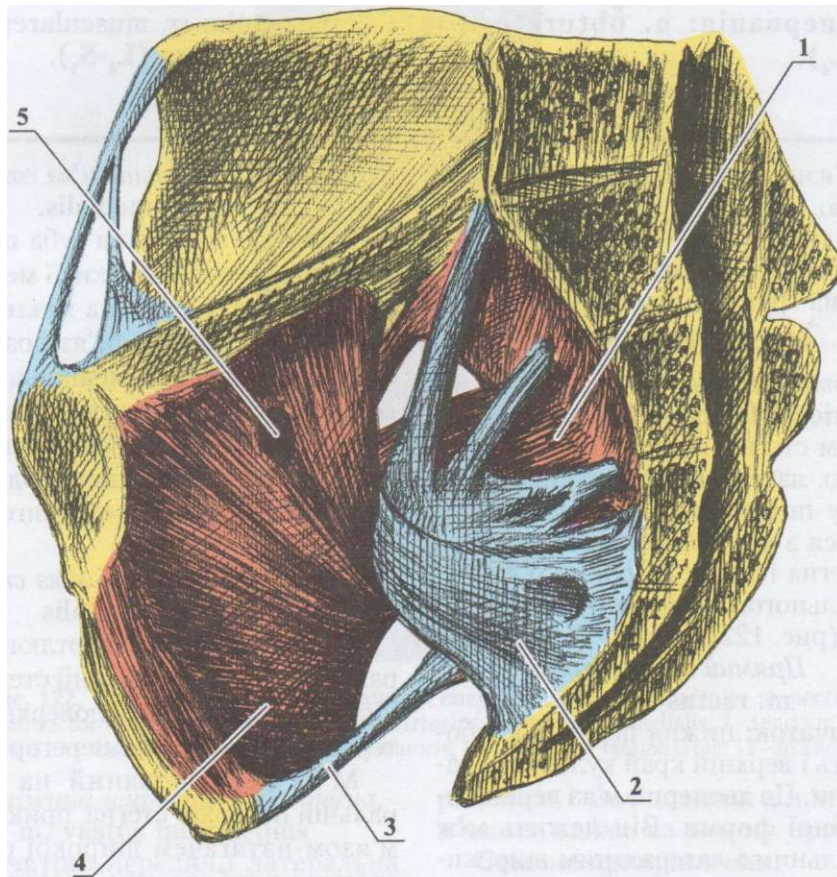
(L₄-S₄). (120, 121).

. m. obturatorius internus.



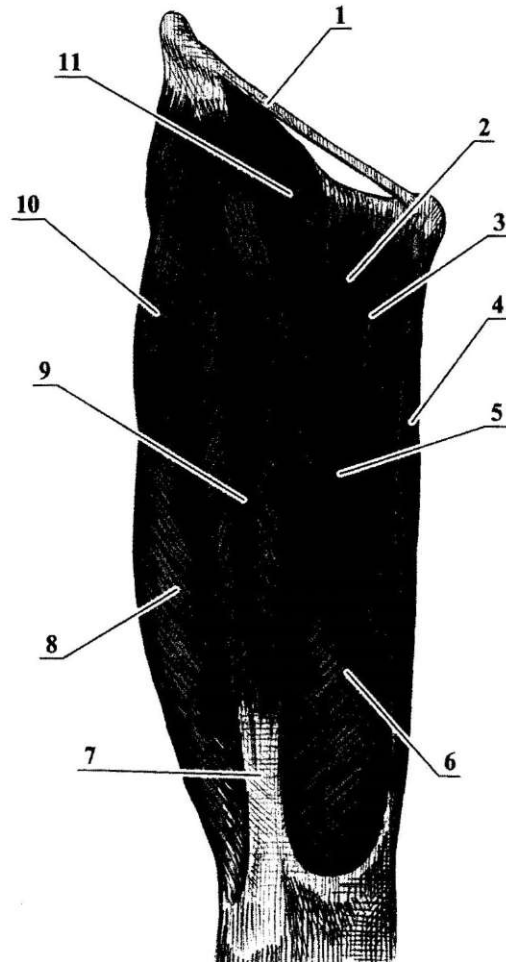
120. 1 - m. gluteus maximus; 2 - . gluteus medius; 3 - . gluteus minimus; 4 - . obturatorius internus; 5 - m. quadratus femoris; 6 - m. piriformis; 7 - lig. sacrotuberale.

: rr. musculares
 (L₄-S₂).
), mm. gemelli (superior et
 inferior), m. obturatorius externus.



121. 1 - m. piriformis; 2 - lig. sacrospinale;
 - lig. sacrotuberale; 4 - m. obturatorius internus; 5 - canalis obturatorius.

: m. rotator triceps.



122. 1 - lig. inguinale; 2 - m. pectineus; 3 - m. adductor longus; 4 - m. gracilis; 5 - m. sartorius; 6 - m. vastus medialis; 7 - tendo m. recti femoris; 8 - m. vastus lateralis; 9 - m. rectus femoris; 10 - m. tensor fasciae latae; 11 - m. iliopsoas

m. vastus intermedius

patellae, lig. (retinaculum patellae laterale et mediale). : n. femoralis (L₂-L₄).

m. pectineus.

: n. obturatorius (L₂-L₃).

m. adductor longus. : n. femoralis (L₂-L₄).

m. sartorius. (50), : n. obturatorius (L₂-L₅).

1 — (« »).

m. adductor brevis. (canalis adduc-
 torius).
 : n. obturatorius(L₂-L_j),
 n. ischiadicus.
 , m. gracilis.
 : n. obturatorius (L₂-L₃).
m. adductor magnus.
 : n. obturatorius (L₂-L₃).
m. biceps femoris.
 (caput longum)
 (caput breve).
 (hiatus
 adductorius),
 (lamina
 vastoadductoria),
 (. 123).

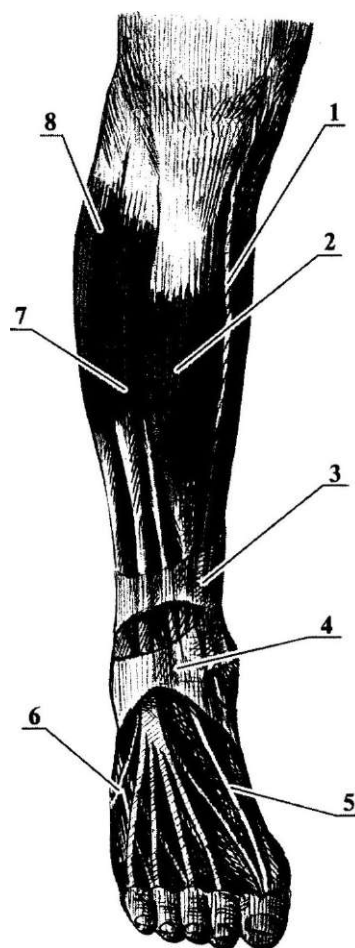
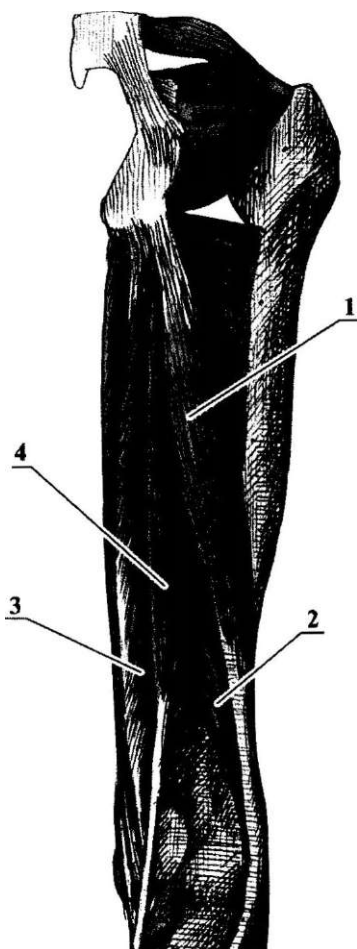
М'ЯЗОВА СИСТЕМА

n. ishiadicus (Sj-S^),
n. peroneus communis (L4-S2).
m. semitendinosus.
: n. ishiadicus (L4-S2).
. semimembranosus.
: . ishiadicus (L4-S1).
: . peroneus profun-
dus (L4-S1).
m. tibialis anterior
(. 124).

extensor digitorum longus

II-V

II-V



23. 1 - caput longum m. bicipitis femoris; 2 - caput breve m. bicipitis femoris; 3 - m. semimembranosus; 4 - m. semitendinosus

124. 1 - margo anterior tibiae; 2 - m. tibialis anterior; 3 - retinaculum mm. extensorum superius; 4 - retinaculum mm. extensorum inferius; 5 - tendo m. extensoris hallucis longi; 6 - tendo m. peronei tertii; 7 - m. extensor digitorum longus; 8 - m. peroneus longus

• > \ nD
, /IJvBr

^

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*

V

, **m. peroneus tertius.**

. **extensor hallucis longus.**

m. peroneus brevis.

:

V

: **n. peroneus superficialis (L₄-S₁).**

. **peroneus longus.**

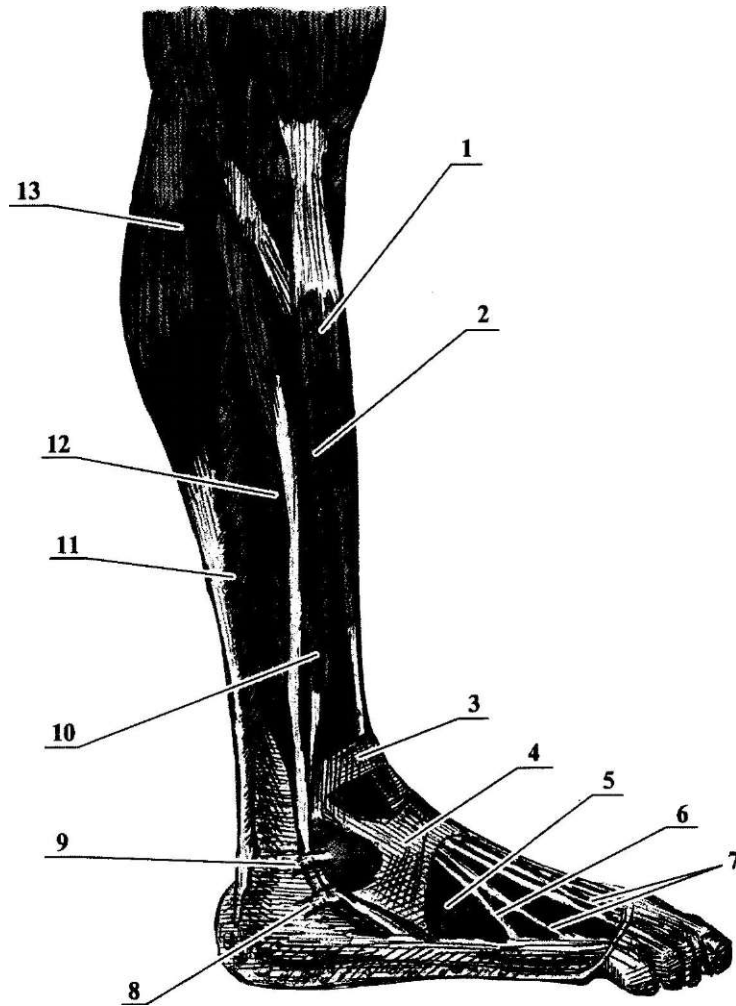
II

, *surae,*

, *triceps*

(. 125).

m. gastrocnemius¹.



125. 1 - m. tibialis anterior; 2 - m. extensor digitorum longus; 3 - retinaculum mm. extensorum superius; 4 - retinaculum mm. extensorum inferius; 5 - m. extensor digitorum brevis; 6 - m. peroneus tertius; 7 - tendines m. extensoris digitorum longi; 8 - retinaculum mm. peroneorum inferius; 9 - retinaculum mm. peroneorum superius; 10 - m. peroneus brevis; 11 - m. soleus; 12 - m. peroneus longus; 13 - m. gastrocnemius (caput laterale)

¹ — gaster () — , cneme () — , .

(caput mediale)
(caput laterale), ()

2

, m. plantaris.

, tendo calcaneus Achillis

()

m. soleus.

(linea m. solei).

: n. tibialis (L₄-S₂).

, arcus tendineus m.

solei,

n. tibialis (L₄-S₂).

, .popliteus

m. tibialis posterior.

: n. tibialis (L₄-S₂).

· j

II - IV

m. flexor hallucis longus.

. flexor digitorum longus.

II-V

(. 126, 127).

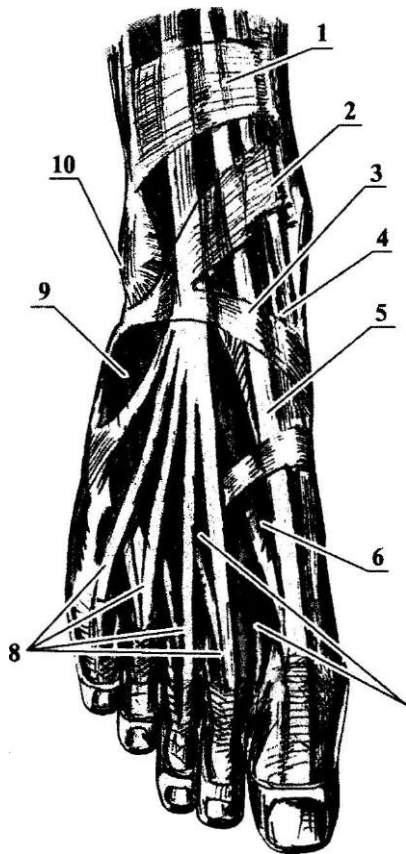
fundus (L₄-S₂). : n. peroneus

m. extensor digitorum brevis.

m. extenser hallucis brevis.

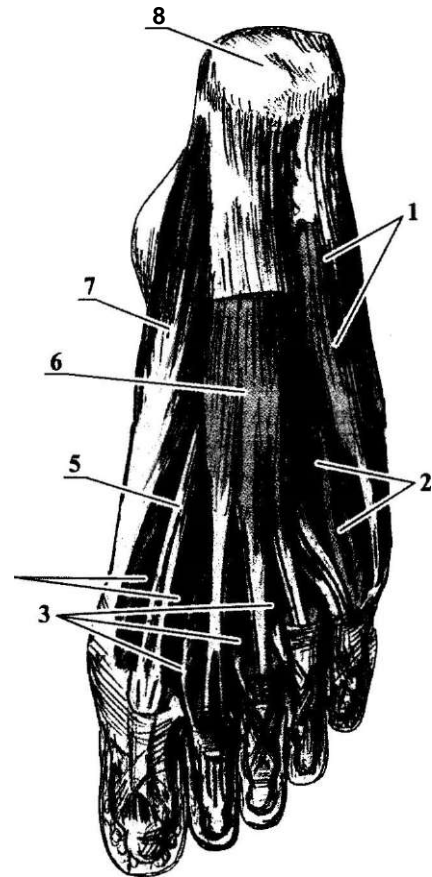
II, III

IV



. 126.

1 - retinaculum mm. extensorum superius; 2 - crus superior retinaculum mm. extensorum inferius; 3 - crus inferior retinaculum mm. extensorum inferius; 4 - tendo m. tibialis anterioris; 5 - tendo m. extensoris hallucis longi; 6 - m. extensor hallucis brevis; 7 - mm. interossei dorsales; 8 - tendines m. extensoris digitorum longi; 9 - m. extensor digitorum brevis; 10 - malleolus lateralis



. 127.

1 - m. abductor digiti minimi; 2 - flexor digiti minimi brevis; 3 - mm. lumbricales; 4 - m. flexor hallucis brevis; 5 - tendo m. flexoris hallucis longi; 6 - m. flexor digitorum brevis; 7 - m. abductor hallucis; 8 - tuber calcanei

4

m. abductor hallucis

: n. plantaris medialis (L₅A).

m. flexor hallucis brevis.

n. plantaris medialis (L₅-S_t), — n. plantaris lateralis (S_rS₂).

m. adductor hallucis.

— (caput obliquum) (caput transversum).

(II - V).

: n. plantaris lateralis (S_rS₂).

, V

n. plantaris lateralis (S_r-S₂).

m. abductor digiti minimi.

V

m. flexor digiti minimi brevis.

V

m. flexor digitorum brevis

II - V,

4

: n. plantaris medialis (L₅-S_t).

m. quadratus plantae.

(S_rS₂). : n. plantaris lateralis III, IV V III - V
 lumbricales. 4 (S_rS₂). : n. plantaris lateralis
 mm. interossei dorsales. II - V
 plantaris medialis (Lj-S[^], — n. plantaris lateralis (S₁-S₂). II
 interossei plantares. II III IV
 (V_{s2}). : n. plantaris lateralis
 superficialis, fascia
 fascia iliaca,
 fascia
 fascia endoabdominalis. , arcus iliopectineus,

m. iliopsoas laterale,
 septum intermusculare femoris
 mediale,
 fascia glutea,
 fascia
 lata,
 (fascia poplitea)
 m. tensoris fasciae
 latae
 tractus iliotibialis.
 septum intermusculare femoris
 hiatus saphenus,

- **v. saphena magna;**
- **margo falciformis,**
 - (cornu superius)
 - (cornu inferius)
- **fascia cribrosa,**
- **fascia cruris,**
- **retinaculum mm. extensorum superius,**
- **septum intermusculare cruris anterius,**
- **retinaculum mm. extensorum inferius,**
- **septum intermusculare cruris posterius,**
- **fossa ovalis**

1. ... () ;

3 ...) :

• **retinaculum superius, . peroneorum** ... **dorsalis pedis,** ... **fascia**

• **retinaculum inferius, . peroneorum** ...

... **rosis plantaris,** ... **aponeu-**

retinaculum mm. flexorum, ...

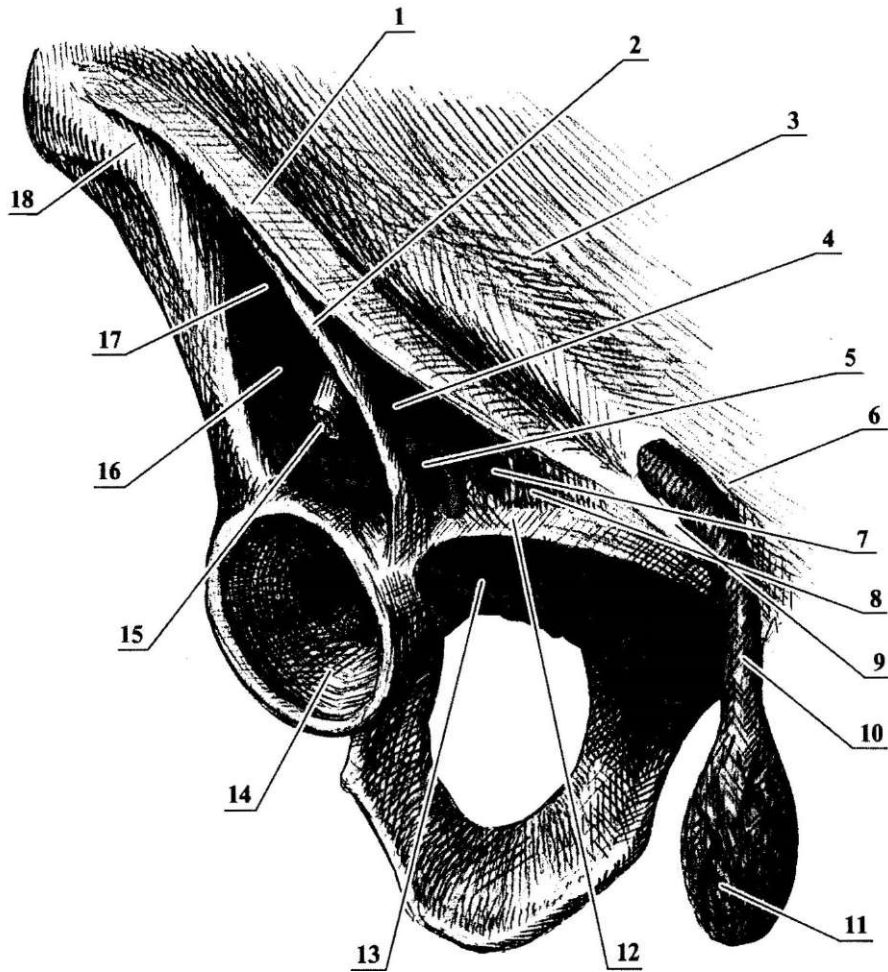
... **ciculi transversi.** ... **fas-**

1 — , fig. cruciatum —

men suprapiriforme, **fora-** **lorum,** **lacuna muscu-**
men infrapiriforme, **fora-** **lorum,** **arcus**
iliopectineus, **lacuna vasorum,**
ratorius, **canalis obtu-** **arcus iliopectineus.**
anulus femoralis,

¹ — , lig. pectinatum.

М'ЯЗОВА СИСТЕМА



28. 1 - lig. inguinale; 2 - arcus iliopectineus;
 - aponeurosis m. obliqui externi abdominis; 4 - a. femoralis; 5 - v. femoralis; 6 - crus mediale;
 7 - anulus femoralis; 8 - lig. lacunare; 9 - crus laterale; 10 - funiculus spermaticus;
 11 - m. cremaster; 12 - ramus superior ossis pubis; 13 - m. pectineus (); 14 - acetabulum;
 15 - n. femoralis; 16 - m. iliopsoas; 17 - lacuna musculorum; 18 - spina iliaca anterior superior.

lig. lacunare.

septum femorale

	- femoralis anterior,	, sulcus
	-	-
	-	-
, canalis femoralis.	-	-
anulus femoralis.	ductorius ² ,	, canalis ad-
	-	-
	-	m. vas-
	tus medialis,	— .
	adductor magnus.	
	-	-
hiatus saphenus	, lamina vastoadductoria.	-
	-	-
	-	-
	, hiatus adductorius.	-
	n. saphenus.	-
	-	lamina
	vastoadductoria.	-
	-	-
	, trigonum	, fossa poplitea,
femorale ¹ ,	-	-
	-	-
—	-	(),
—	-	().
	-	-
	, sulcus ()
iliopectineus,	poplitea	facies
	-	-
	-	-

¹ —
² —

canalis cruropopliteus¹,
 m. flexor hallucis longus.
 , canalis musculo-peroneus
 superior,
 . peroneus longus.
 , sulcus plantaris me-
 dialis et lateralis,
 , arcus tendineus . solei.
 , va-
 ginae fibrosae digitorum pedis,
 , canalis musculo-peroneus
 inferior,
 • bursa subcutanea trochanterica,

¹ —

М'ЯЗОВА СИСТЕМА

- | | |
|--|---|
| <ul style="list-style-type: none"> <li style="margin-bottom: 10px;">• bursa trochantericae mm. glutei, <li style="margin-bottom: 10px;">• bursa m. piriformis, <li style="margin-bottom: 10px;">• bursa ischiadica m. obturatorii interni, <li style="margin-bottom: 10px;">• bursa subtendinea iliaca, <li style="margin-bottom: 10px;">• bursa suprapatellaris, <li style="margin-bottom: 10px;">• bursa subcutanea prepatellaris, | <ul style="list-style-type: none"> <li style="margin-bottom: 10px;">• bursa subcutanea infrapatellaris, <li style="margin-bottom: 10px;">• bursa infrapatellaris profunda, (lig. patellae) <li style="margin-bottom: 10px;">• bursa anserina, <li style="margin-bottom: 10px;">• bursae subtendineae, <li style="margin-bottom: 10px;">• bursa subcutanea calcanea, <li style="margin-bottom: 10px;">• bursa tendinis calcanei, <li style="margin-bottom: 10px;">• bursae subcutaneae malleoles, |
|--|---|

- vagina tendinis m. flexoris hallucis longi,
- vagina tendinis m. tibialis anterioris,
- vagina tendinis m. extensoris hallucis longi,
- vagina tendinum m. extensoris digitorum longi,
- vagina communis tendinum musculorum peroneorum,
- vagina tendinis m. tibialis posterioris,
- vagina tendinum m. flexoris digitorum longi,
- (vaginae synoviales tendinum digitorum pedis).

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