

**2009**

«

»

«

»

...

2009 . «\_\_\_\_\_» \_\_\_\_\_

\_\_\_\_\_

...

2009 «\_\_\_\_\_» \_\_\_\_\_

\_\_\_\_\_

**1**

2009 .



.

,

.

.

.

.

,

.

,

.

.

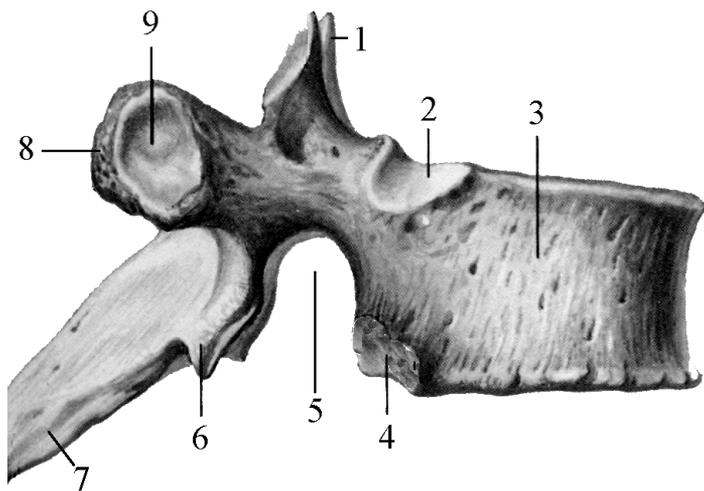
24 (7, 12, 5) (columna vertebralis) 33-34  
 (vertebra) 3-5

(vertebra)

(vertebrae thoracicae) ( .1)

12.

I XII



1.  
 1-  
 ; 2-  
 ; 3- ; 4-  
 ; 5-  
 ;  
 6-  
 ; 7- ; 8-  
 ; 9-

II-IX

I

X  
IX

II

I

XI-XII

I-X

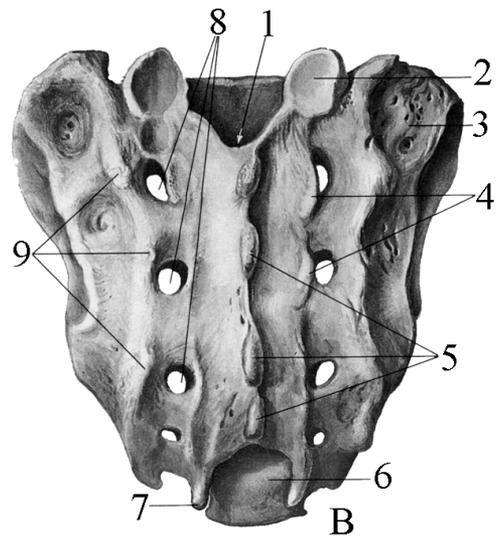
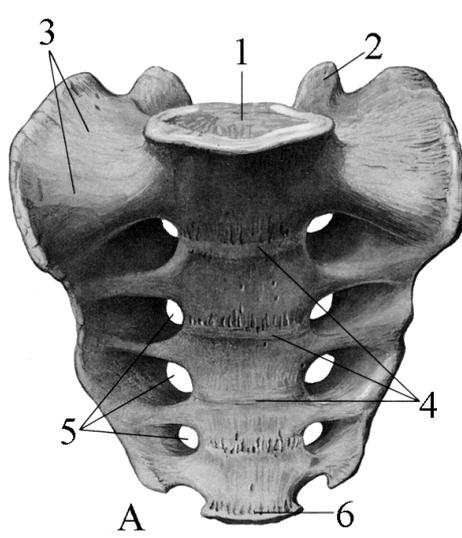
XI XII

(vertebra lumbales)

5.

(vertebrae sacralis)

5. 17-25  
(.2).



- 2. ; 3- ; 6-
- 2- ; 3- ; 5- ; 8-
- 2- ; 1- ; 4- ; 6- ; 9-
- 2- ; 5- ; 7-

V

—

,

:

—

.

(vertebra coccygeae), 3-5.

I

12

(ostae) 12

(I-VII)

VIII-X

XI-XII

VII

II-X

I, XI, XII

I

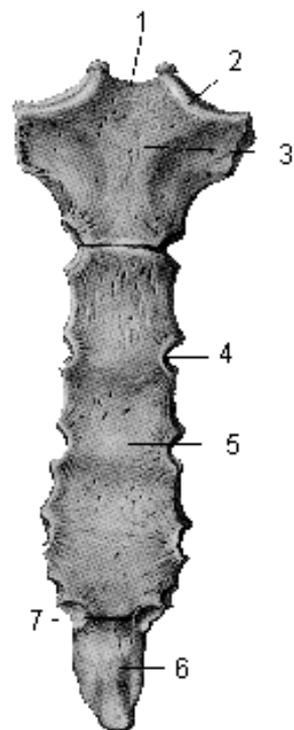
(sternum)

(.3).

-

-

18-



25

.3.

1-

; 3-

; 5 -

;

; 2-

; 4, 7

; 6-

I

II

VII

(.4).

III

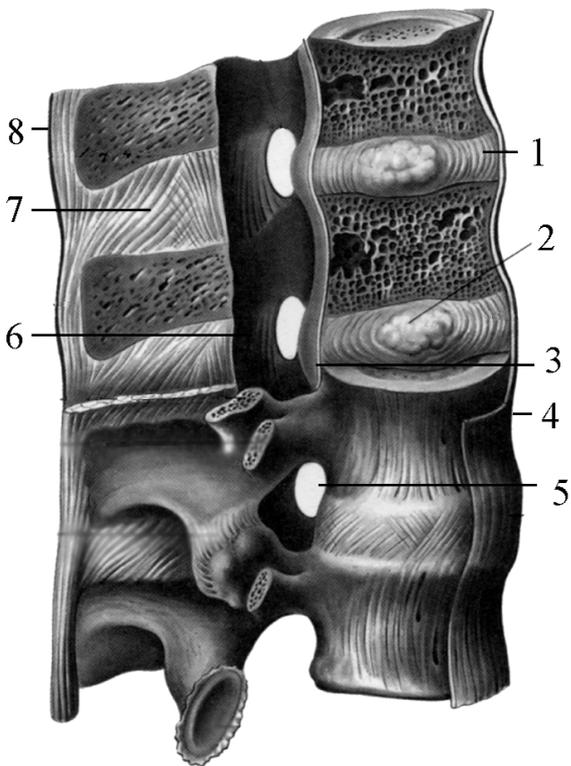
I

V

10-12

5-6

3-4



4.

; 3-

; 7-

1-

; 2-

; 4-

; 5-

; 6-

; 8-

(art. atlantooccipitalis).

(

(

(art. atlantoaxialis lateralis)

(art. atlantoaxialis mediana).



II - VI

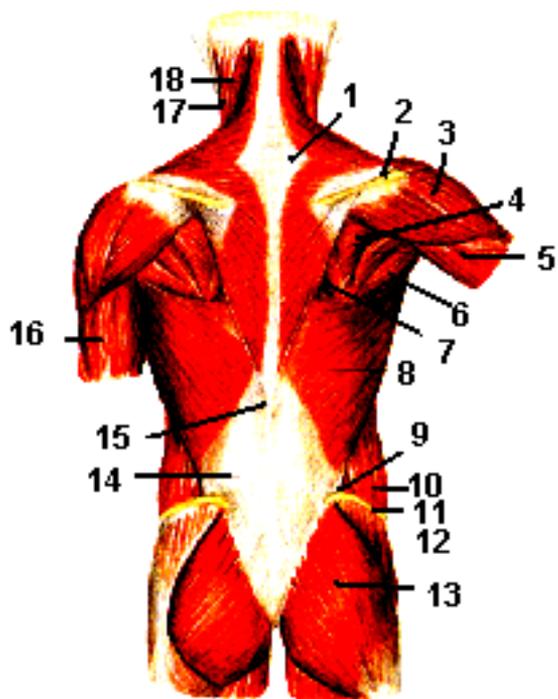
(diaphragma)

I

V-VII

XII

4-5



( .5)

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



(mamma, glandula mammaria),

III-VI

10-15

15-20

C

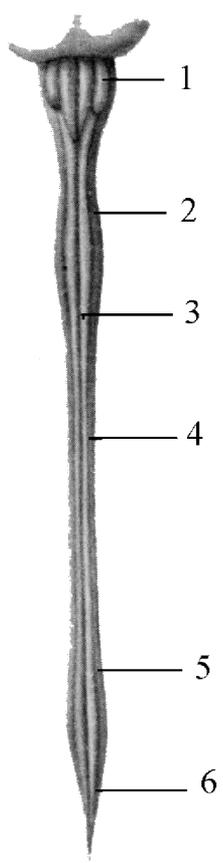
IV – XI

VII-X

4-5

6-7

(



**(medulla spinalis)**

(.6).

I

I-II

41-42 ), 43 ( 45 ,  
 34-38 .  
 .6. ; 2- ; 3-  
 1- ; 4- ; 5- ; 6-

31

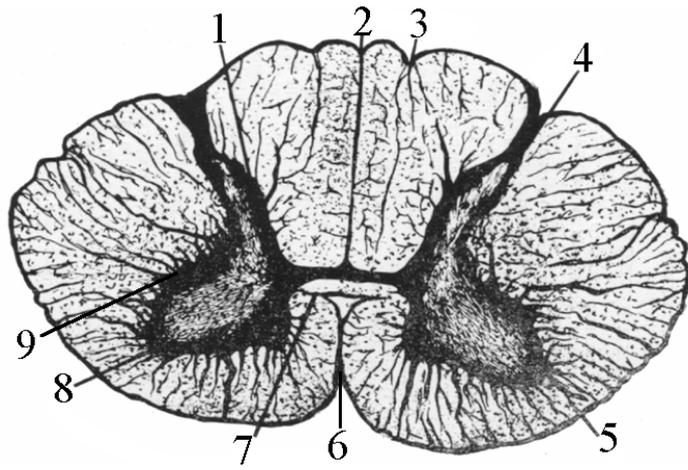
12 ,5 ,5 31 1 ( , : 8 ),

XII X - XI 3 I 2 ( .):  
« »

IV

( .7)

8



7. ;  
 1- ; 2- ;  
 ; 3- ;  
 ; 4- ;  
 ; 5- ;  
 ; 6- ;  
 ; 7- ;  
 ; 8- ;  
 ; 9- .

II-III

II

II

20 – 30

XII

I

(nn. spinalis)

: 8

, 12

, 5

31

, 5

( )

( ),

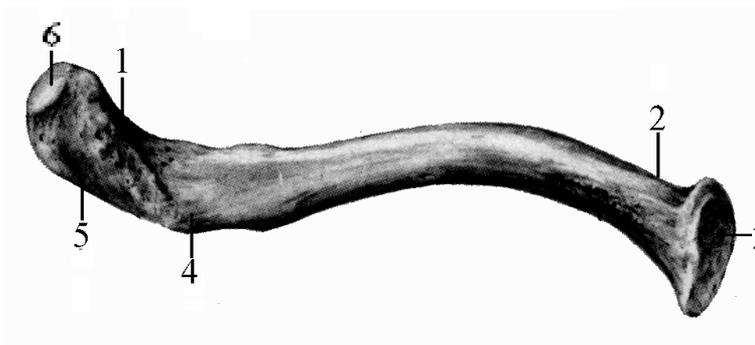


2-

:

(clavicula)  
(.8),

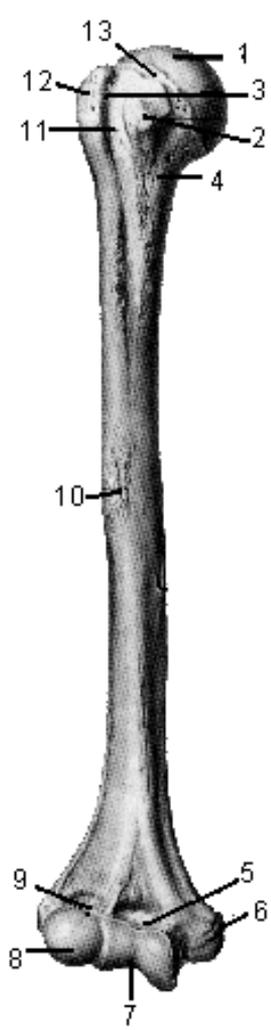
S-



.8.  
1- ; 2-  
; 3- -  
-  
; 4-  
; 5-  
; 6-

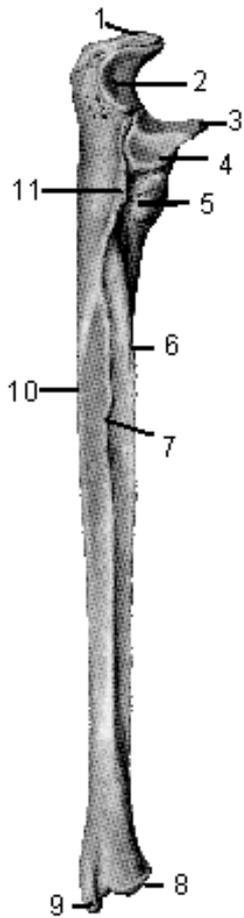
(scapula)

II-VII



(humerus) ( .9 )

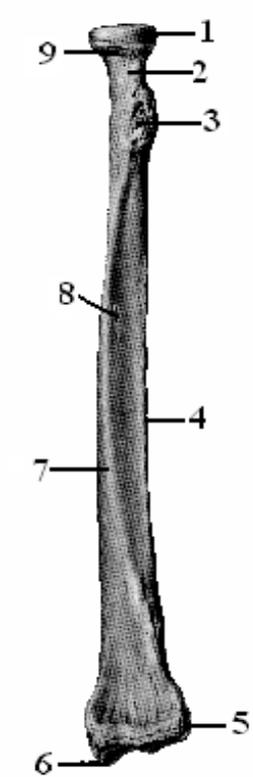
- 1- ; 2- ; 3-  
 ; 4- ; 5-  
 ; 6- ; 7-  
 ; 8- ;  
 9- ; 10- ; 11-  
 ; 12- ; 13-



(uln ) ( .10).

- . 10.
- . 1-
- ; 2-
- ; 3-
- ; 4-
- ; 5-
- ; 6-
- ; 7-
- ; 8-
- ; 9-
- ; 10-
- ; 11-

(radius) ( .11).



.11

1- ; 2- ; 3- ; 4- ; 5- ; 6- ; 7- ; 8- ; 9-

(ossa manus)

(carpus)

(ossa metacarpalia)

II-V

II

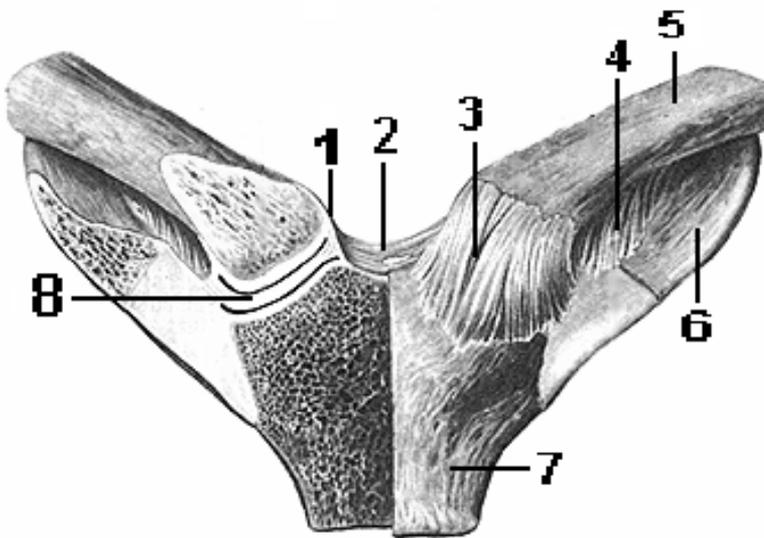
V

II V

(phalanges digitorum)

(art. sternoclavicularis)

(.12).

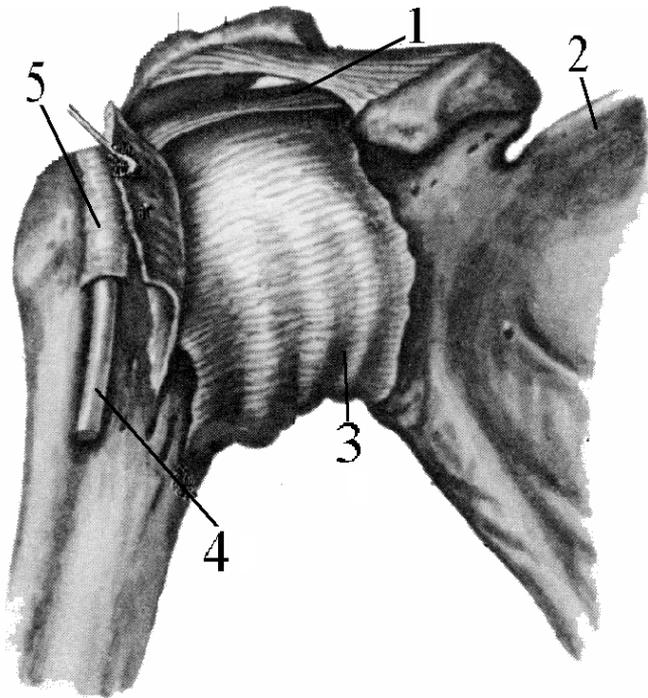


12.

- 1- ;
- 2- ;
- 3- -
- 4- ;
- 5- ; 6-I - ; 7-
- 8-

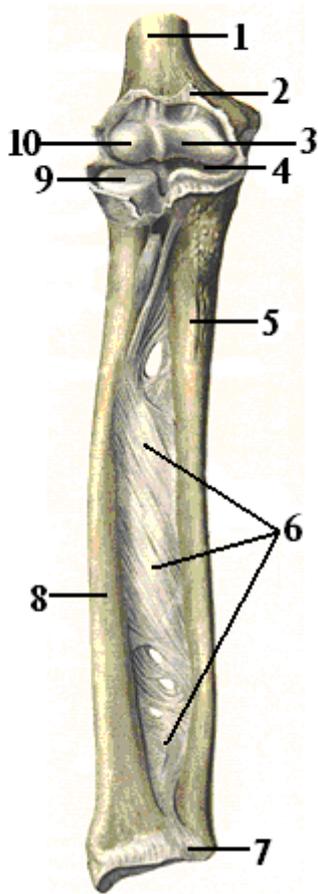
(art. acromioclavicularis)

(art. humeri)  
(.13).  
3



.13.

1-  
; 2- ; 3-c  
; 4-  
; 5-



(art. cubiti)  
(. 14).

. 14.

1- ; 2-c ; 3-  
; 4- ; 5-  
; 6-  
; 7- ; 8-  
; 9- ; 10-

(art. humeroulnaris)

(art. humeroradialis)

(art. radioulnaris proximalis)

( 14.),

(art. radioulnaris distalis)

(art. radiocarpea)

( )

(art. carpometacarpeae)

I

II V

II-V

(art. intermetacarpea)

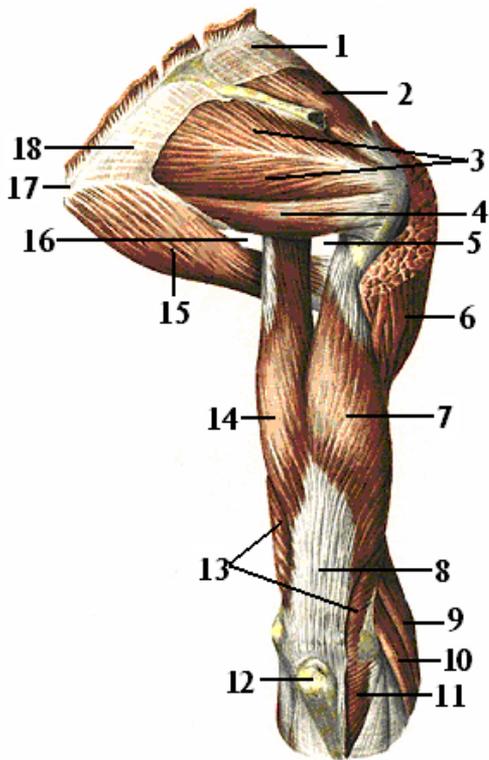
II-V

(art. metacarpophalangeae)

(art. interphalangeae manus)

( , )

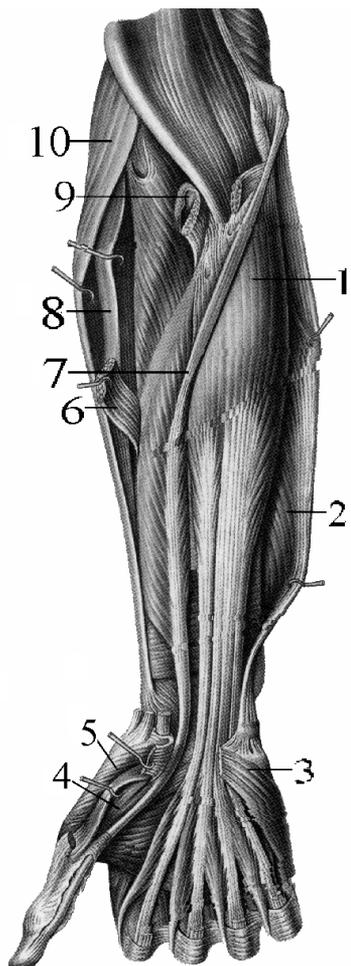
( . 15).



15.  
1- ; 2- ;  
3- ; 4-  
; 5- ; 6-  
( ); 7-  
; 8-  
; 9- ; 10-  
; 11-  
; 12- ;  
13- ; 14-  
; 15-  
; 16-  
; 17- ; 18-

:  
( ).

: ( ),  
 .  
 , : ( )  
 ( ),  
 ,  
 ,  
 ( . 15)



,  
 . : ( ),  
 ( ( )). ( .16)  
 . :  
 .16. ;  
 .  
 1- ; 2-  
 ; 3- ;  
 4- ,  
 ; 5- ;  
 6- ; 7-  
 ; 8-  
 ; 9- ; 10-

( .17).

.17.

3- 1-

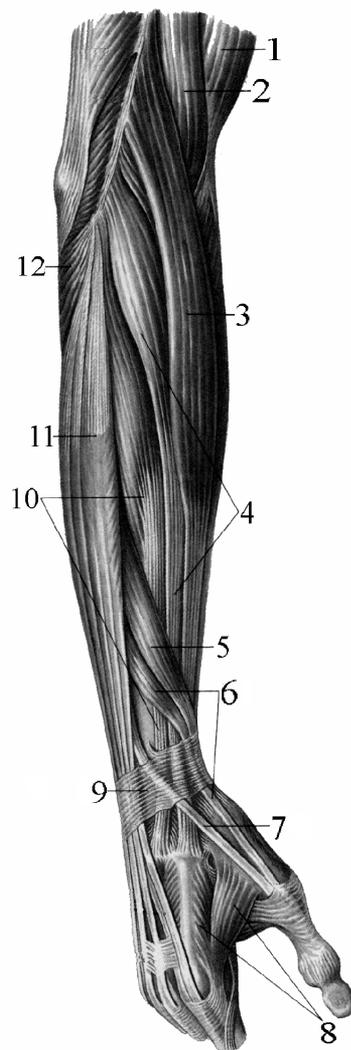
; 2-  
; 4-  
; 5-  
; 6-  
; 7-  
; 8-

; 11-

: 1)

; 2)

; 3)



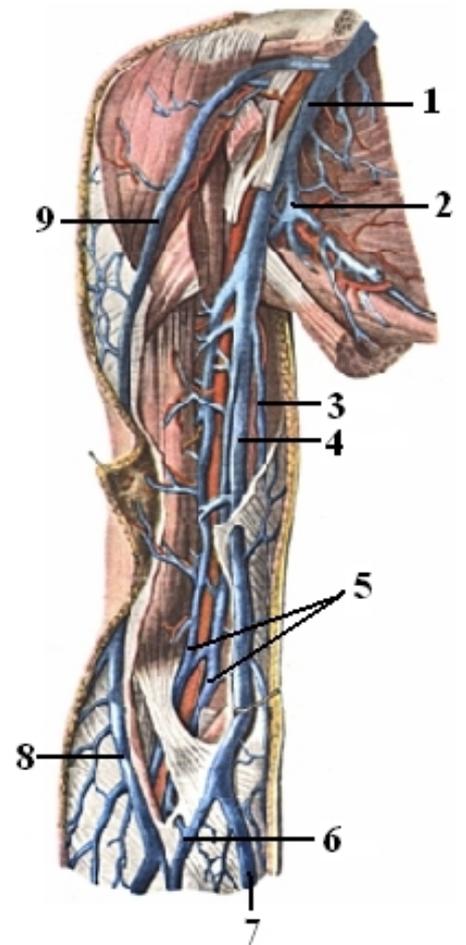
II-V

II, IV V  
I, II, IV

II - IV

( .18).

(v. basilica)



.18.

1- ; 2- ;  
; 3- ; 5-  
4,7- ; 8,9-  
; 6-

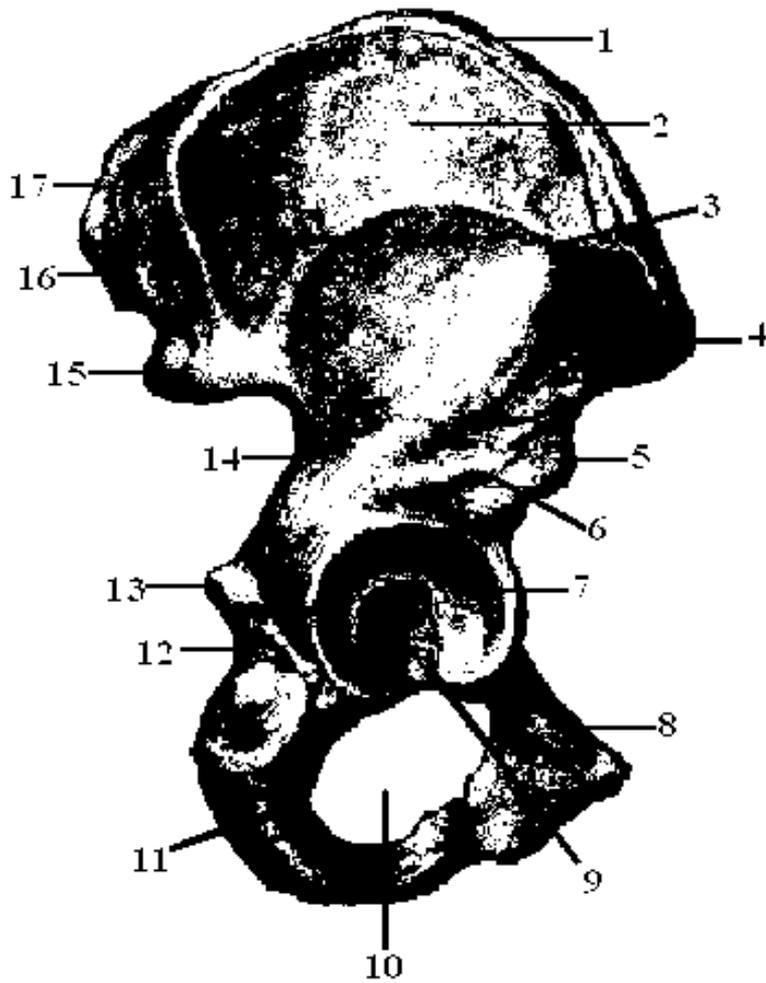
I

3 -

:

(os coxae)

(.19),  
16



19. ;  
1- ; 2- ;  
3- ; 4- ; 5- -  
; 6- ; 7- ; 8- ;  
9- : 10- ;  
11- ; 12- ;  
13- ; 14- -  
; 15- : 16- -  
; 17- -

(os ilium)

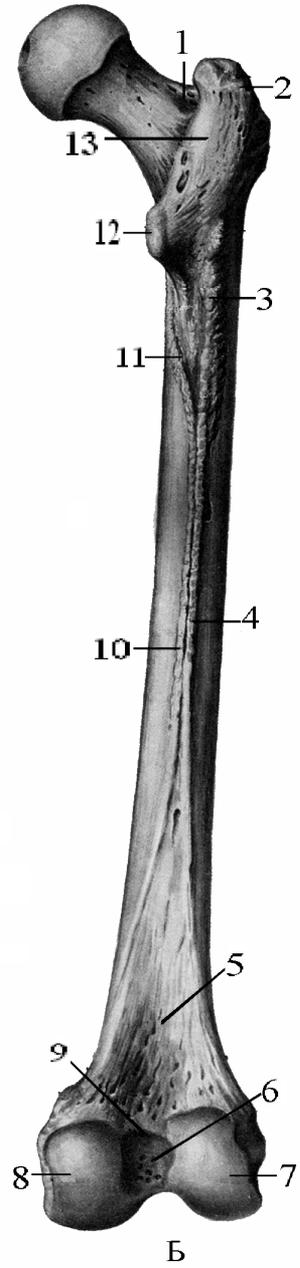
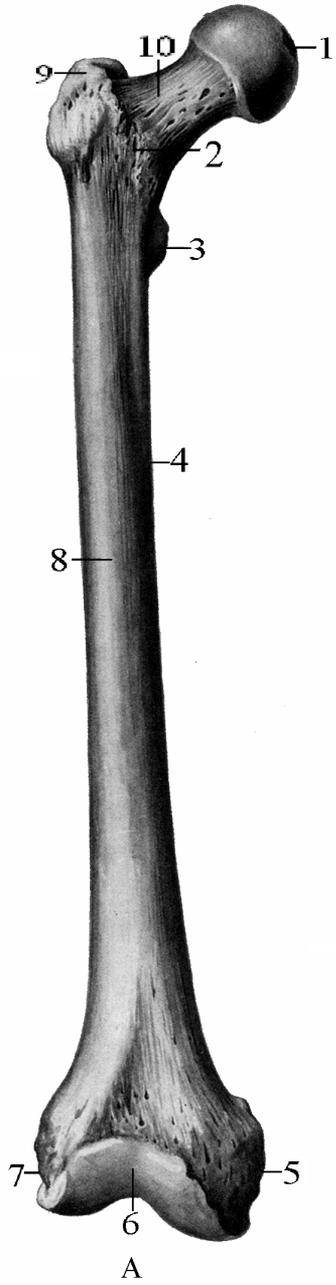
S-

(os pubis)

(os ischii)

(femur)

(.20)



.20.

1-

; 2-

; 5-

; 7-  
; 10-

; 8-

; 3-

; 4-

; 6-

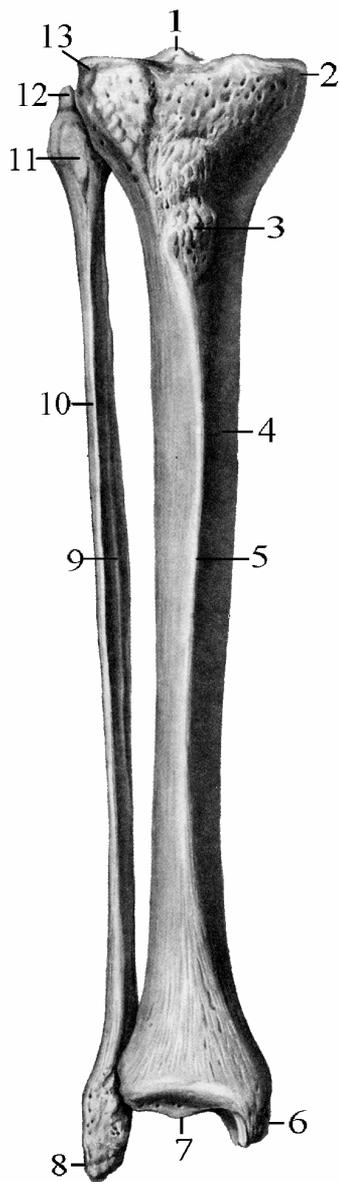
: 9-

- ; 1- ; 2- ; 3-  
 ; 4- ; 5- -  
 ; 6- . 7- ; 8-  
 - ; 9- ; 10-  
 ; 11- ; 12- ; 13- .

(patella)

(tibia)

( 21).



.21.

1- ; 2- ; 3- ; 4- ; 5- ; 6- ; 7- ; 8- ; 9- ; 10- ; 11- ; 12- ; 13-

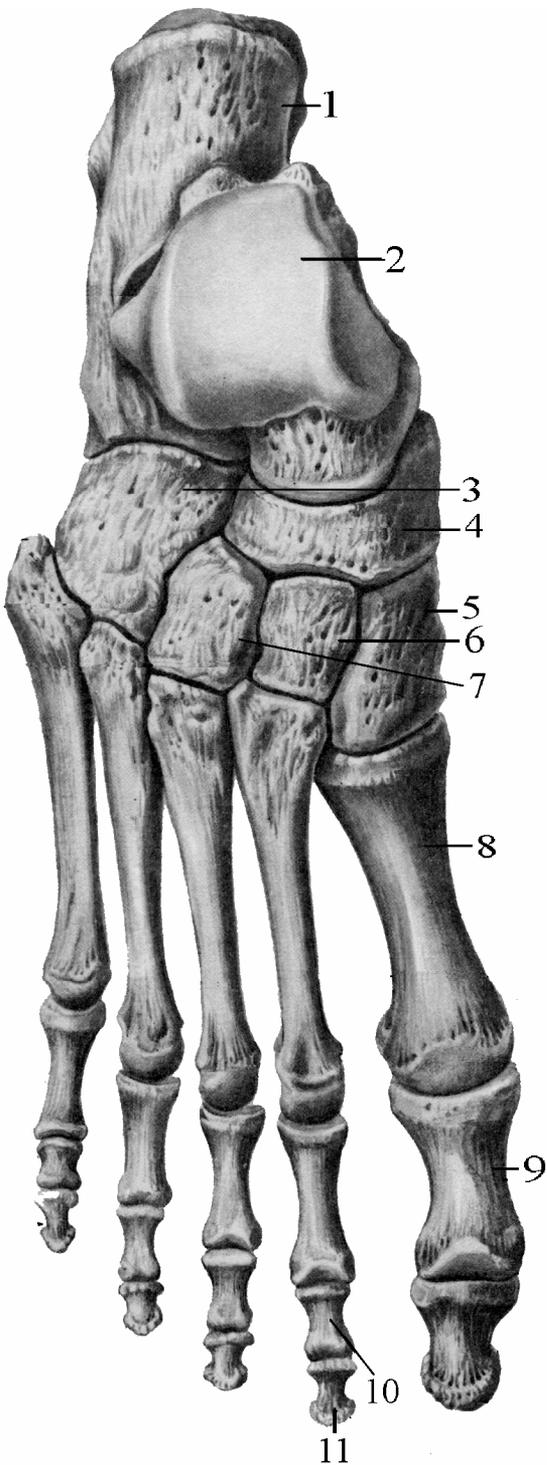
(fibula)

(.21).

(ossa pedis) ( .22)

(tarsus) 7

(talus)



.22. ;  
1- ; 2- ; 3-  
; 4- ; 5-  
; 6- -  
; 7-  
; 8-I  
; 9-  
; 10- ; 11-

(calcaneus)

( s naviculare)

(ossa cuneiformia)

I

(os cuboideum)

IV-V

III

II

(ossa metatarsalia)

I

II

(ossa digitorum pedis)

II-V

I

(art.sacroiliaca)

2-

(symphysis pubica)

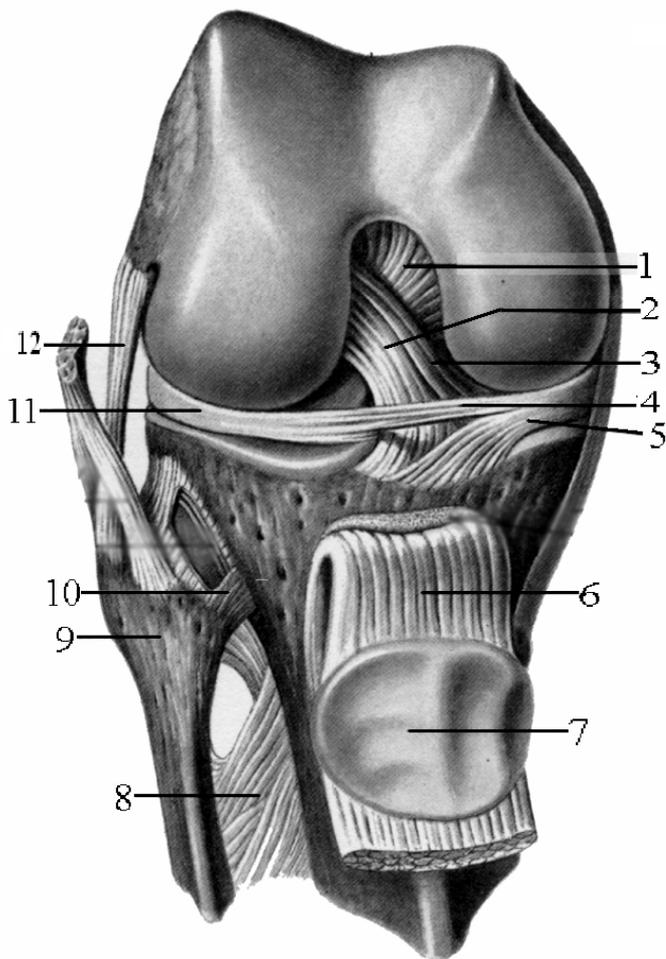
(articulatio coxae)

(articulatio genus) –

(.23)

3

:



.23.

1–

2–

;

3–

; 4–

; 5–

; 6–

7–

; 8–

; 9–

; 10–

11–

; 12–



I V

5

,

,

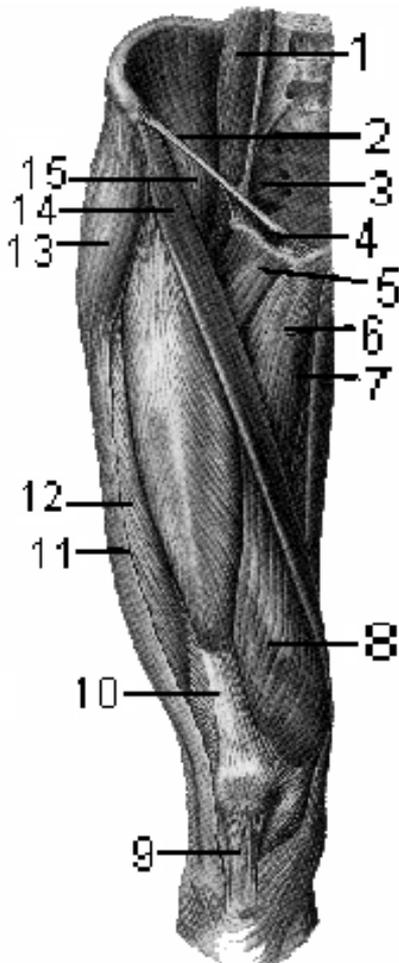
,

-

,

,

( .24).



. 24.

1-

; 3-

; 5-

; 11-

12-

; 15-

; 2-

; 4-

; 6-

; 7-

; 9-

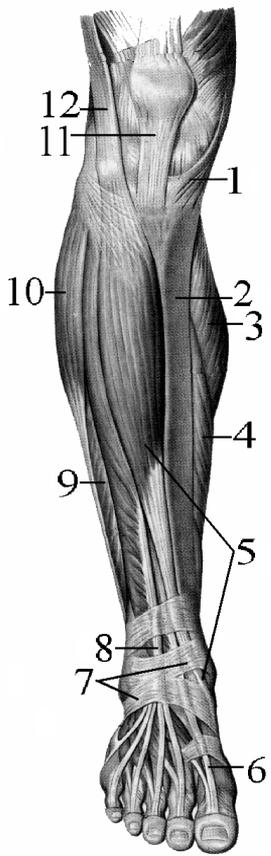
; 10-

; 14-

; 8-

; 13-



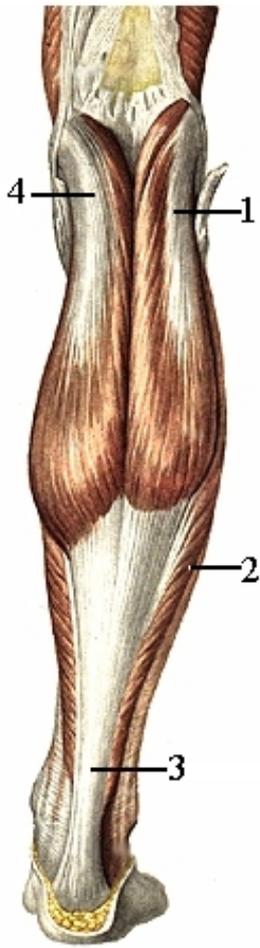


( ) . ( )  
 ( ) .  
 . 25. ;  
 1- ; 2-  
 ; 3- ; 4- ; 5-  
 ; 6- ; 7-  
 ; 8-  
 ; 9-  
 ; 10- ; 11- ; 12-

( 25):

I

( .26)



.26.

1-

; 3-

; 2-

; 4-

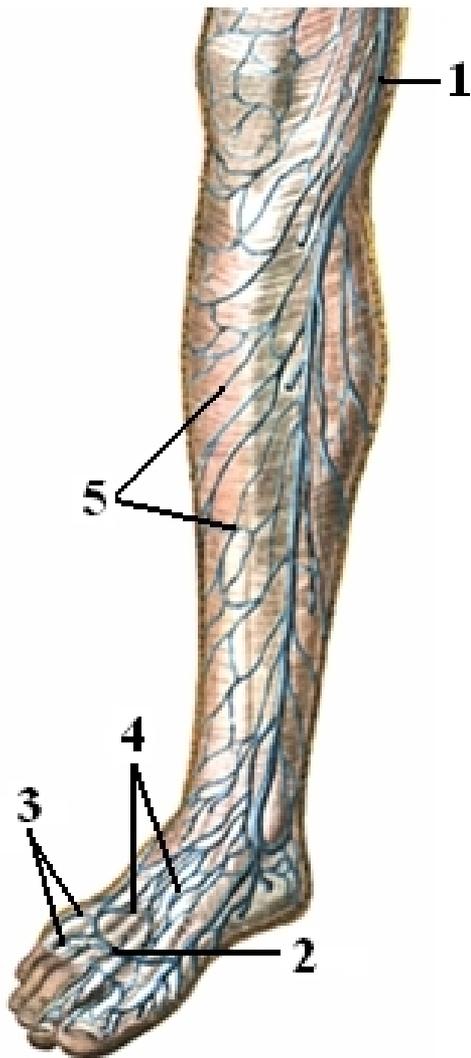
1)

; 3)

; 2)

(canalis femoralis)

(v. saphena magna)



( ) ( ),  
( ) .

.27.

1- ; 2-  
; 3- ;  
5- ; 4- ;  
parva) (v. saphena

( )

I - III

IV - V

1-3

(4-20),

(1-7),

4 –

:

(cranium).

( )

:

(

).

( )

( )

(os occipitale)

( )

18-20

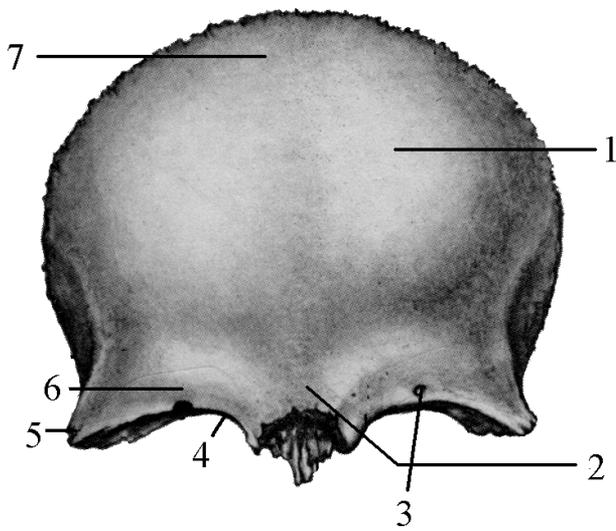
(os parietale),

( )

; ( ) ; ( )  
( )

(os frontale)

( . 28),



. 28.  
; 1- ; 2-  
; 3- -  
; 4- ; 5-  
; 6-  
; 7- .

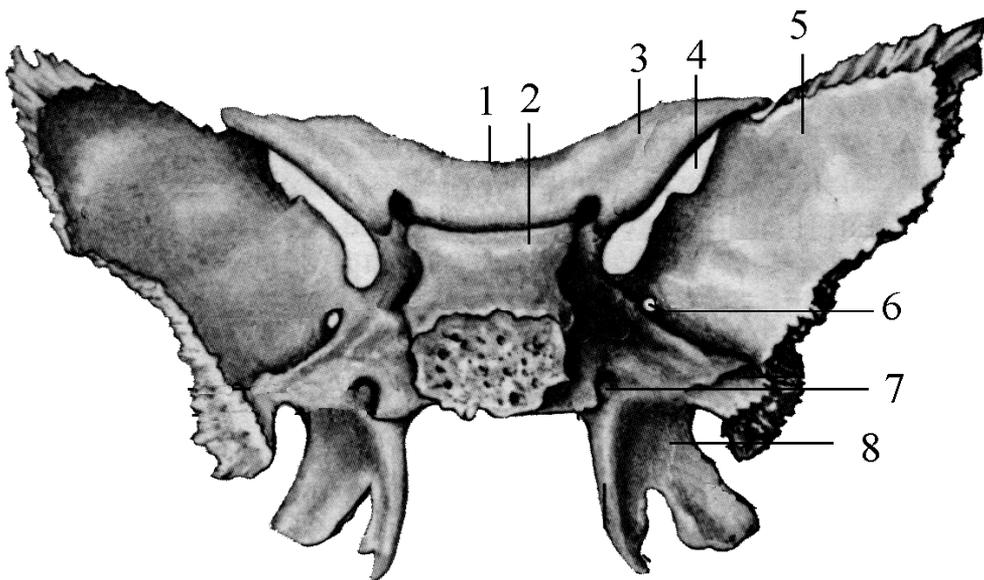
(os ethmoidale)

(os sphenoidale)

(

29).

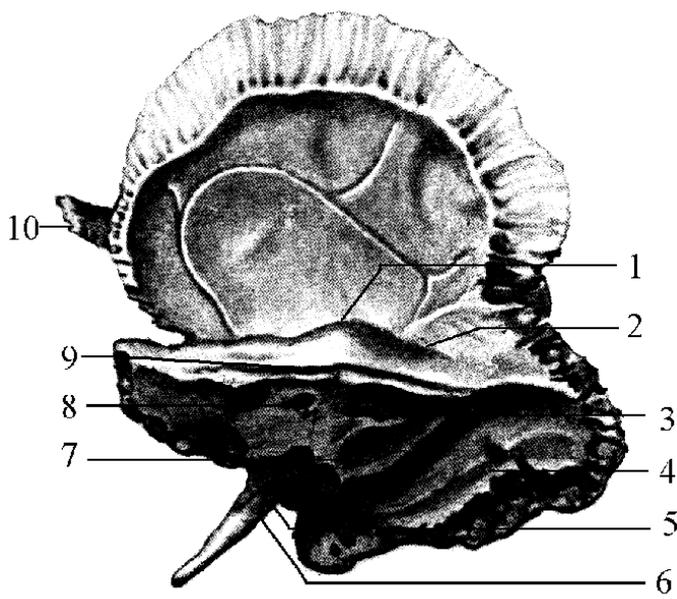
III, IV, VI



1- .29. ; 2- ; 3- ; 4-  
; 5- ; 6- ; 7-  
; 8-

(os temporale)

(.30),

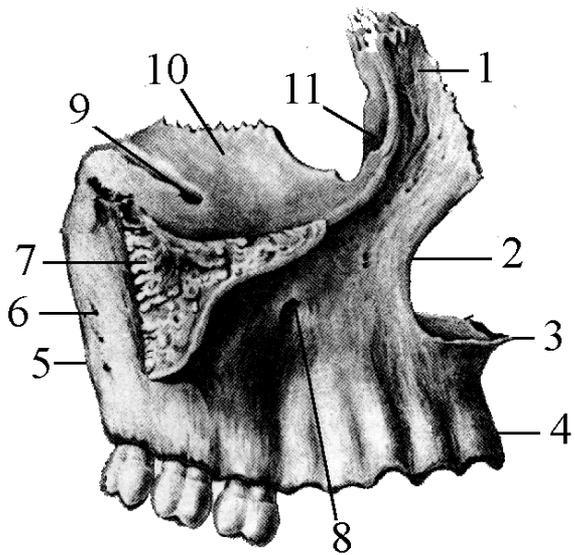


- 1- ; 2-
- 3-
- 4-
- 5-
- 6-
- 7-
- 8-
- 9-
- 10-



(maxilla)

( 31).

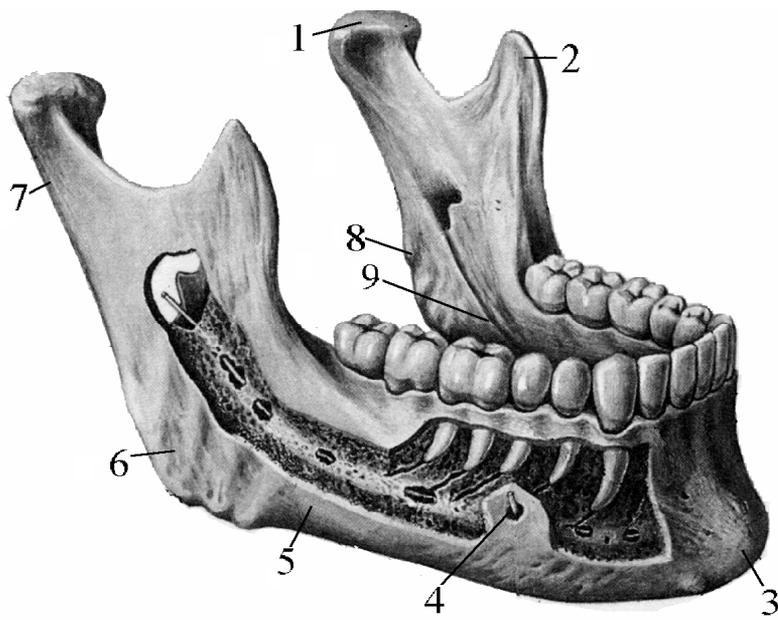


31.  
; 1- ; 2-  
; 3- ; 4- ; 5-  
; 6- ; 7-  
; 8- ; 9- ; 10- ; 11-

(os zygomaticum)

(os palatinum)

(mandibula)  
( . 32),



32.

- 1- -
- ; 2- ;
- 3- ;
- 4- -
- ; 5- -
- ; 6- -
- ; 7- -
- ; 8- -
- ; 9- -

16

(orbita)

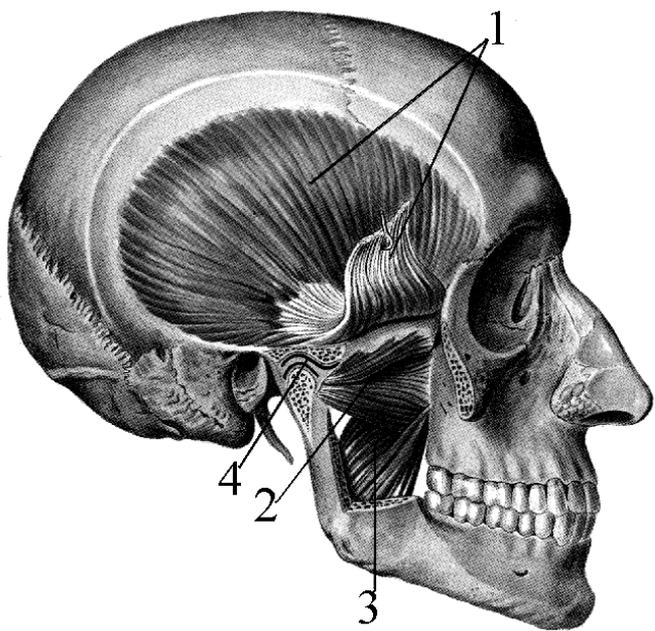
(cavitas nasi)

(articulatio temporomandibularis)

; 2)

; 3)

: 1)



. 33.

1—

; 2—

3—

4—

( . 33).

(

),

-

(

).

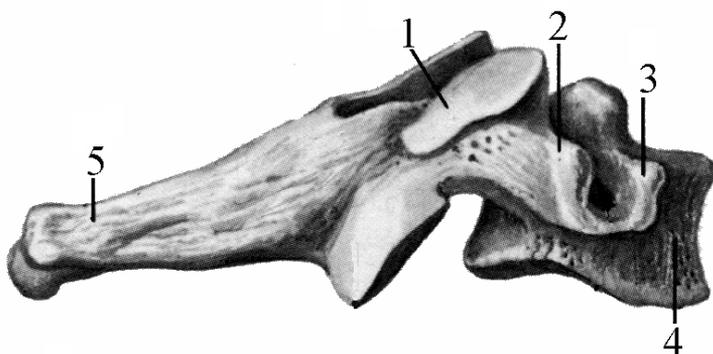
a

### Шейные позвонки

(vertebra cervicales) ( . 34)

7.

II-VI  
VII



. 34. VI

1-

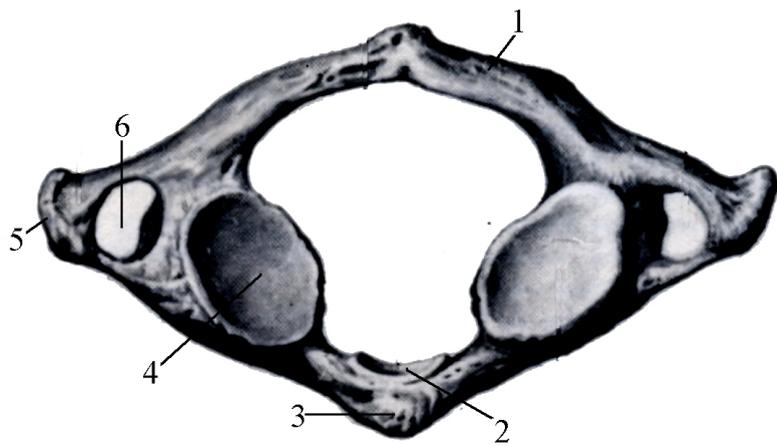
; 2-

; 4-

5-

; 3-

;



VI

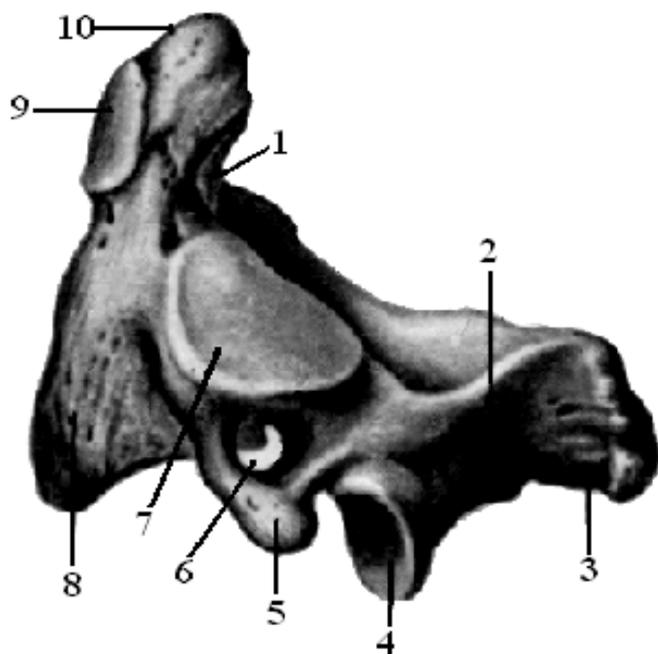
. 35. ; 1- ; 2-  
 ; 3- ; 4-  
 ; 5- ; 6-

I II  
 I

(atlas) ( . 35)

II

II



36.

1- -  
 ; 2- -  
 ; 3- ;  
 4- ;  
 5- ; 6- ;

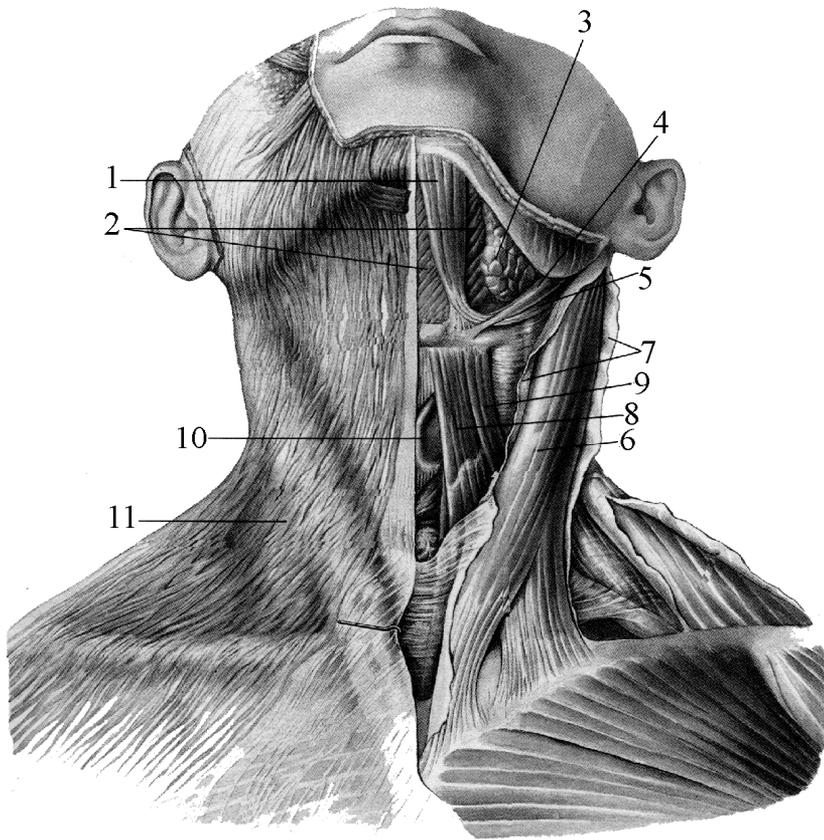
7- ; 10- . - ; 8- ; 9-

II , (axis) ( .36)

( ). ( ) .

( .37).

( ) .



- .37.
- 1- ( )
  - 2- ; 3- ;
  - 4- ; 5- ( )
  - 6- ; 7- ; 8-
  - 9-
  - 10-
  - 11-



I, II III



(cavitas oris)

2

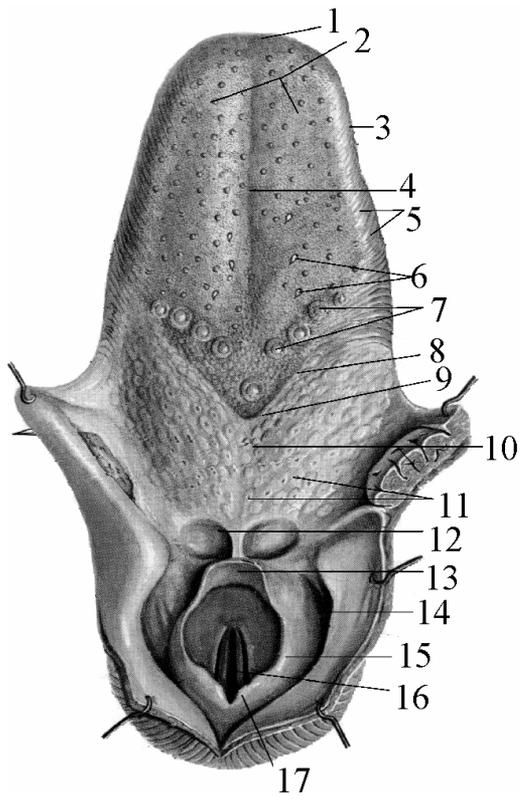
2 :

2/3

(lingua)

( 38).

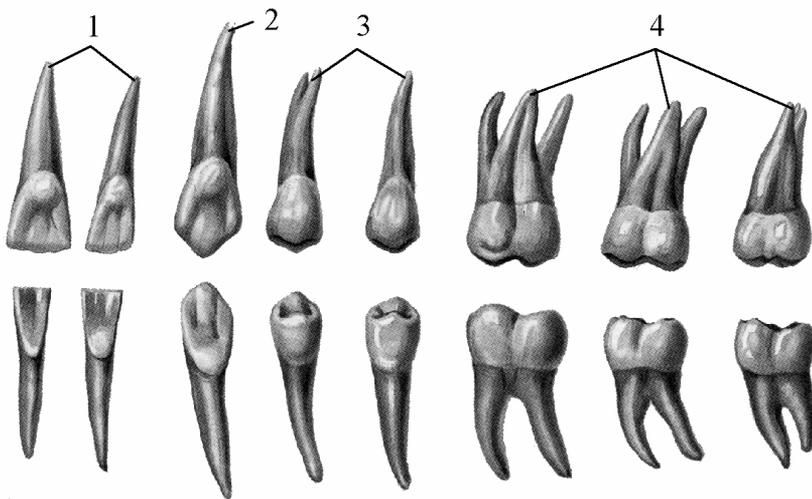
( )



.38.

; 1- ; 2- ; 3-  
 ; 4- ; 5-  
 ; 6- ; 7- ; 8-  
 ; 9- ; 10- ; 11-  
 ; 12- ; 13- ; 14-  
 ; 15- ; 16-  
 ; 17-

(dentes),



39.

1— ; 2— ; 3—  
4—

( 39 ).

1.

2.

3.

( ) ,

4.

3 5

(18-25 )

( )

6-7

( )

3

5

: 2

20.

, 1

, 2

:  $\frac{2102}{2102}$

6

12 - 13

18-30

2

, 1

, 2

3

32

(

).

:  $\frac{2123}{2123}$

1

5

20-30

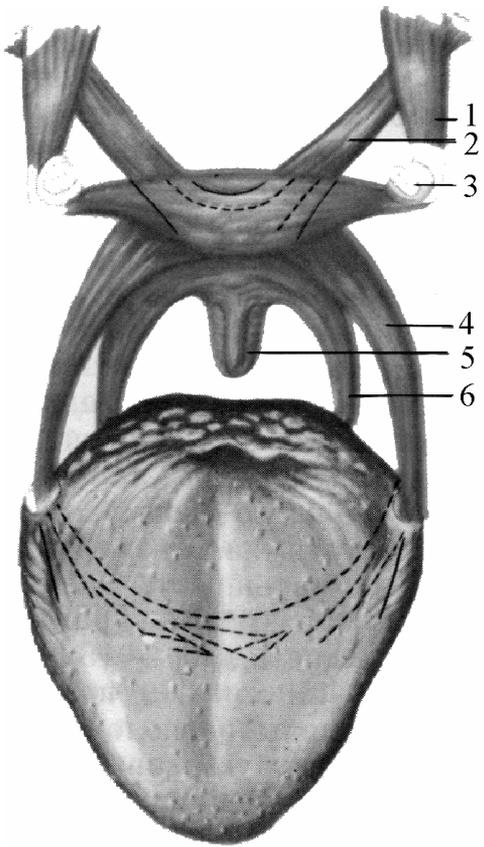
( )

5-6 ,

,

( , ) 15

, 5 ,



1- .40.  
 ,  
 ; 2-  
 ; 3-  
 ; 4- -  
 ; 5- ; 6- -

; 2-  
 ; 3-  
 ; 4- -  
 ; 6- -

40):

(pharynx),

12-14

VI-

VII

( )

6

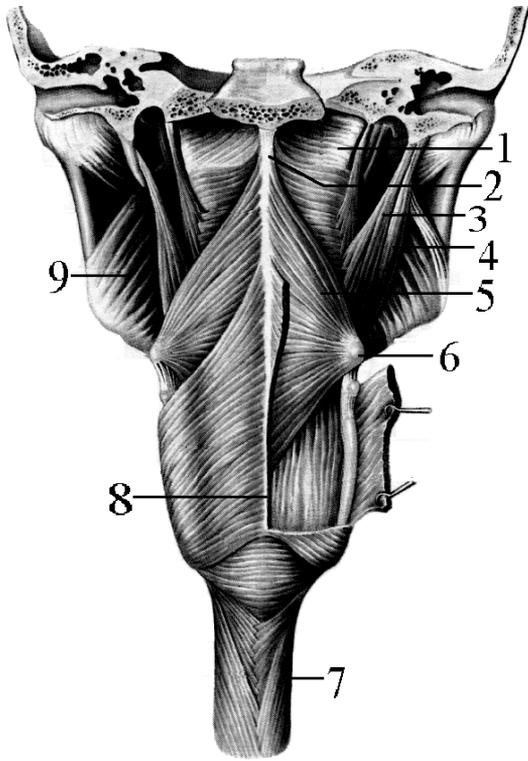
( , )

1)

2)

3)

2 ( .41):



25 - 30

.41.

1-

; 4-

4)

;

; 2-

; 3-

; 5-

6-

; 7-

;

; 8-

9-

(esophagus)

VI - VII  
XI

VII

IV-V

IX

1-3  
3

4- : 1.

2.

3.

2

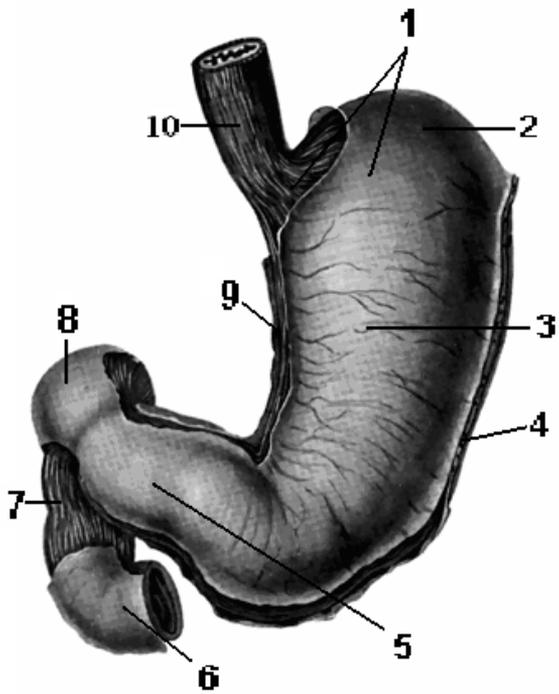
1/3

2/3

4.

(ventriculis, gaster)  
( 42).

( 5/6)



.42. ; .

1- ; 2-

; 3- ; 4-

; 5-

; 6- -

; 7-

; 8-

; 9-

; 10- .

1.

2.

3.

4.

(intestinum tenue)

2,2

4,4

2,5-2,7

5 – 6

4,7

3

(duodenum)

I – III

25 – 30

III

II

2/5,

3/5

1.

( 4-5 ).

15.000),

( )

20-30

2.

3.

2-

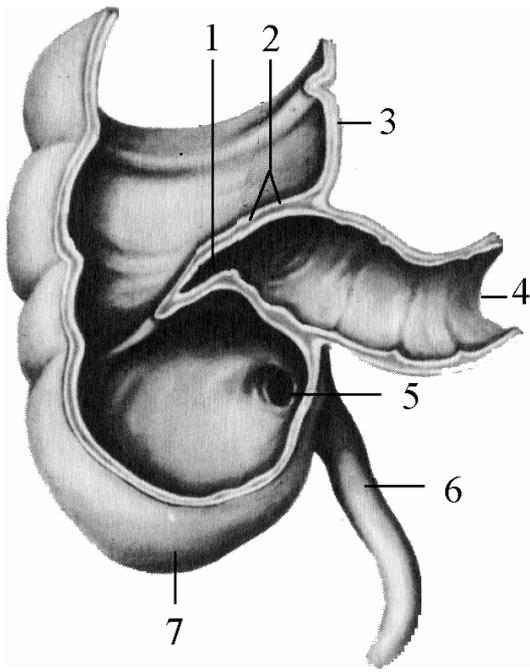
:

4.

(tunica serosa)

(intestinum crassum)

: , , , ,  
 1,5-2 , 5-8 ,  
 4 .  
 , 1 ,  
 ( ),  
 -  
 , ,  
 4-5



.43

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

( . 43).

7-7,5

6-8

15-20

50

12 - 15

15 67

III

(rectum)

15

III

( )

( ( ) )

(hepar)

1500

(.44).



VIII

VII

VIII

VII

(vesica fellea)

( . 44).

3 40-50<sup>3</sup>, 8-12, 4-5

C

(pancreas)

I II

( . 44).

12-15, 80





I II

III

III

IX X



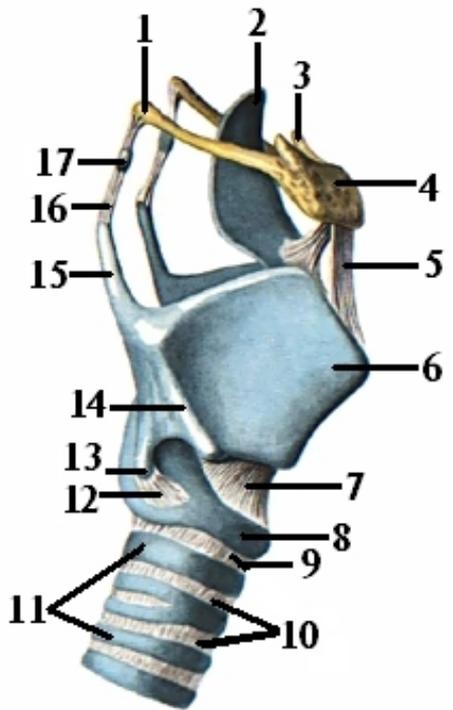


6 -

:

(cavitas nasi)

(larynx)



( . 45)

IV VI-VII

45.

1-

2-

4-

3-

5-

6-

8-

7-

9-

11-

10-

12-

14-

13-

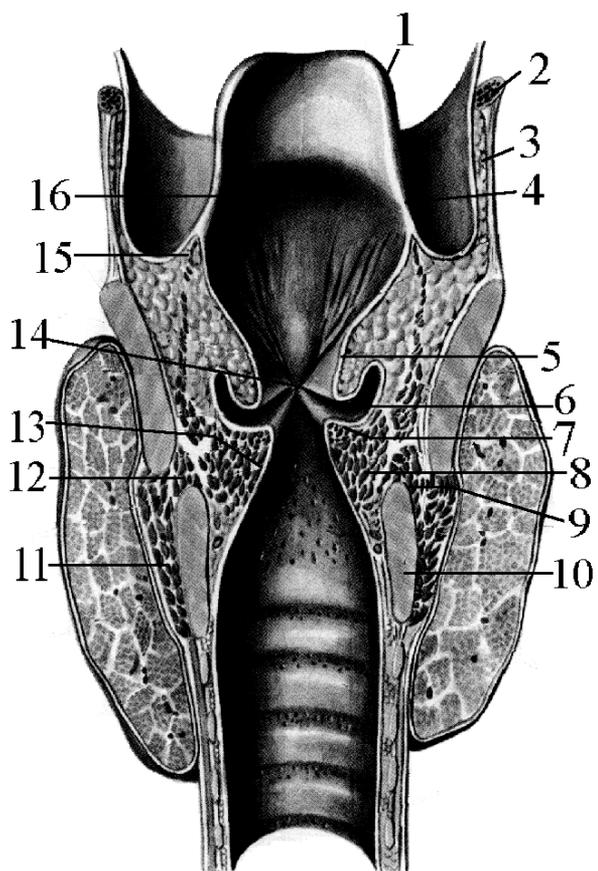
15-

16-

17-







47. ;  
 1- ; 2-  
 ; 3- ;  
 4- - ; 5-  
 ; 6-  
 ; 7- ; 8-  
 ; 9-  
 ; 10-  
 ; 11- -  
 ; 12-  
 ; 13-  
 ; 14-  
 ; 15- -  
 ; 16- .

(trachea)

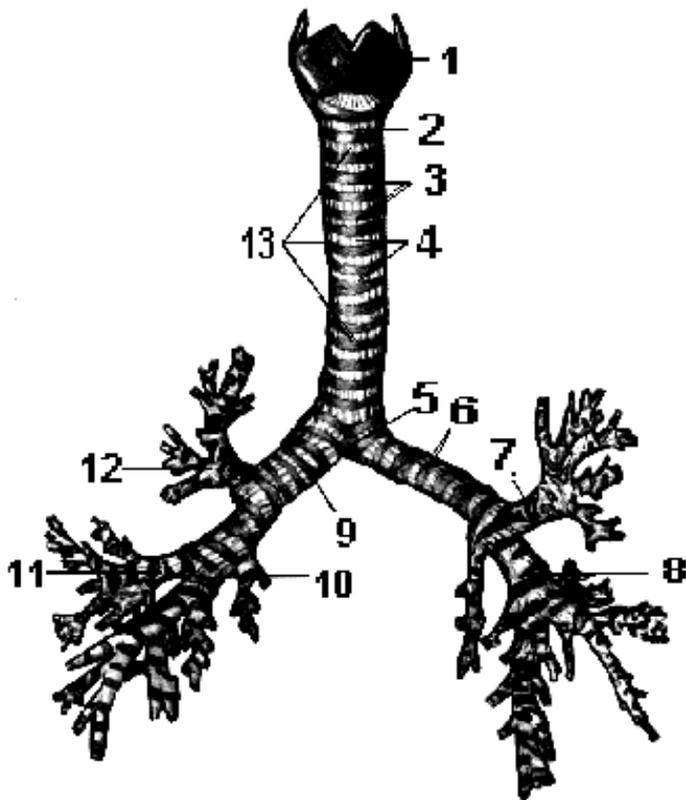
( . 48),

V

VI

9 11 ,

1,5 - 1,8



. 48.

1- ; 2-

; 3-

; 4-

; 5-

; 6-

7-

; 8-

; 9-

; 10-

; 11-

;

12-

; 13-

VII

16-20

2/3

( )

V ( 48).

3

4-5

6-8

9-12

( .48).

5

9-10

1

18-20

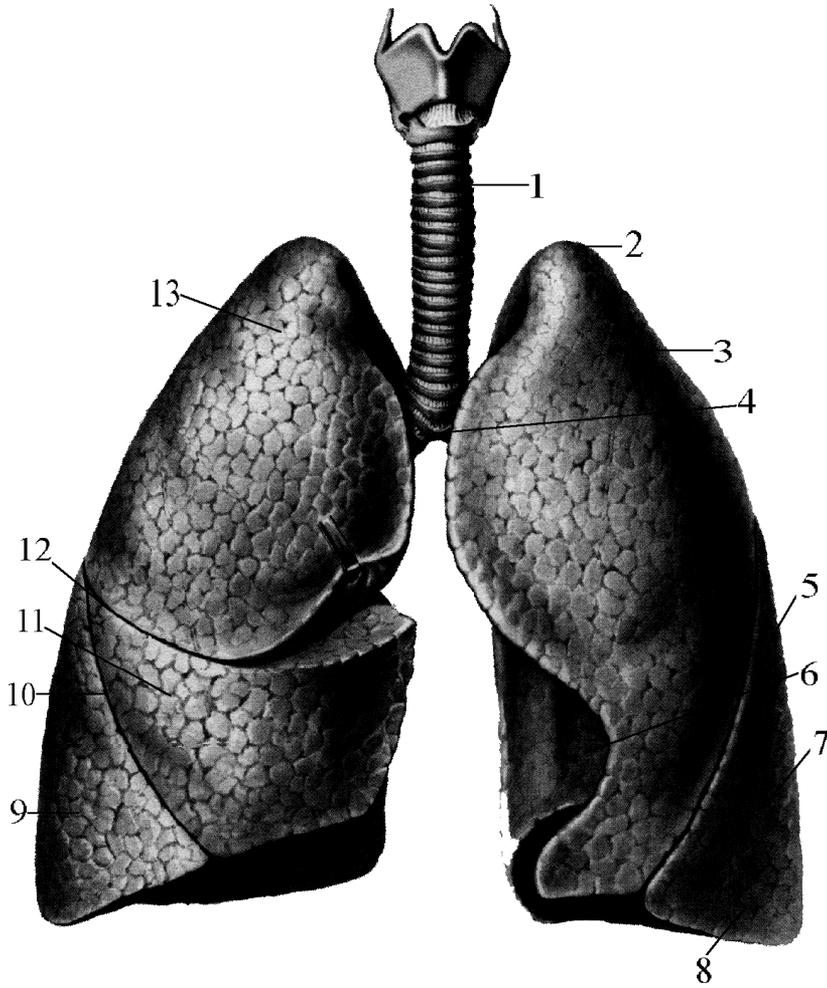
20.000.

15.000,

300-500

(pulmon s)

( . 49).



49.

1- ; 2-  
; 3-  
; 4-  
; 5,10- ; 6-  
; 7-  
; 8-  
; 9- ; 11-  
; 12- -  
; 13-

2

3-4

7-

VI

VI

VIII

X

XI

VII,

IX

IV

V

VI

IV

IV

( )

( )

1,5 – 2





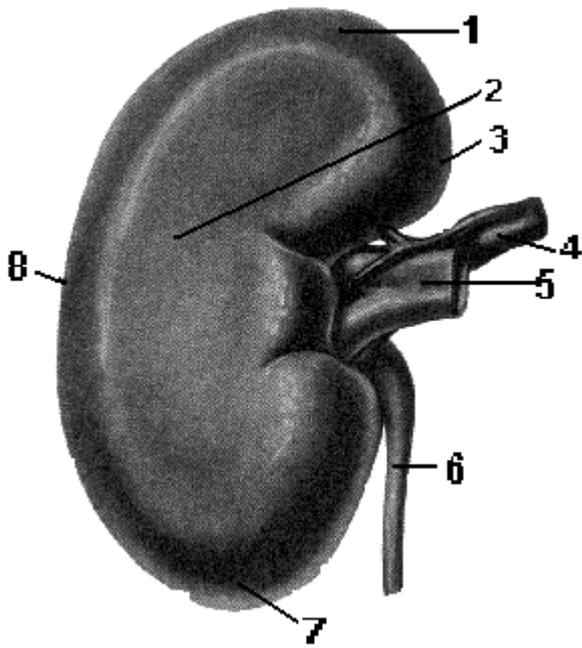
(ren, nephros) –  
 (.50),

10–12

5–6

4

120 200



.50.

- 1–
- 2–
- 3–
- 4–
- 5–
- 6–
- 7–
- 8–

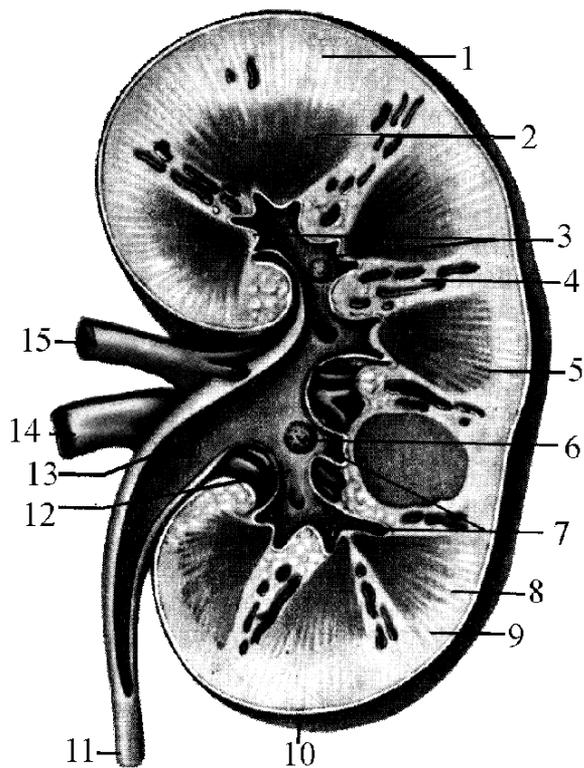
III XI

III XI XII

( . 51)

( 2-2,5 .)

10-15



. 51.

1-

; 2-

; 3-

; 4-

; 5-

; 6-

; 7-

; 8-

: 9-

; 10-

; 11-

; 12-

; 13-

; 14-

; 15-

;

15-20

5

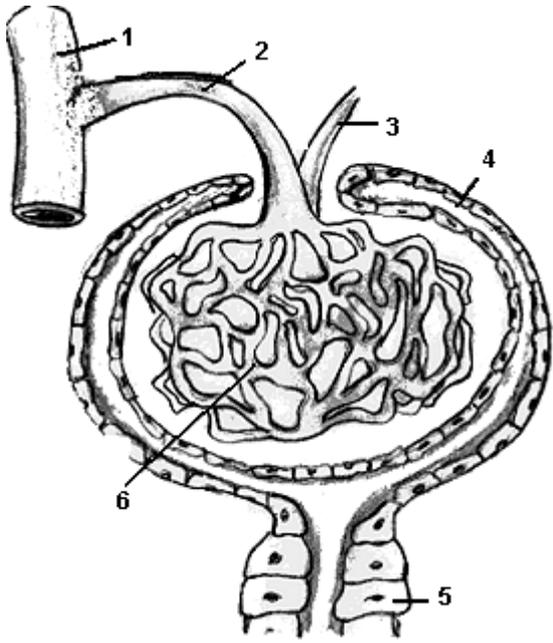
2-3

600

( . 84)

1

),



.52.

- 1- ; 2-
- 3-
- 4-
- 5-
- 6-

( )

20 50  
100 80%  
20%

2-3

1200

1500 1800

1

4

(ureter)

30-

35

8

3-4

( )

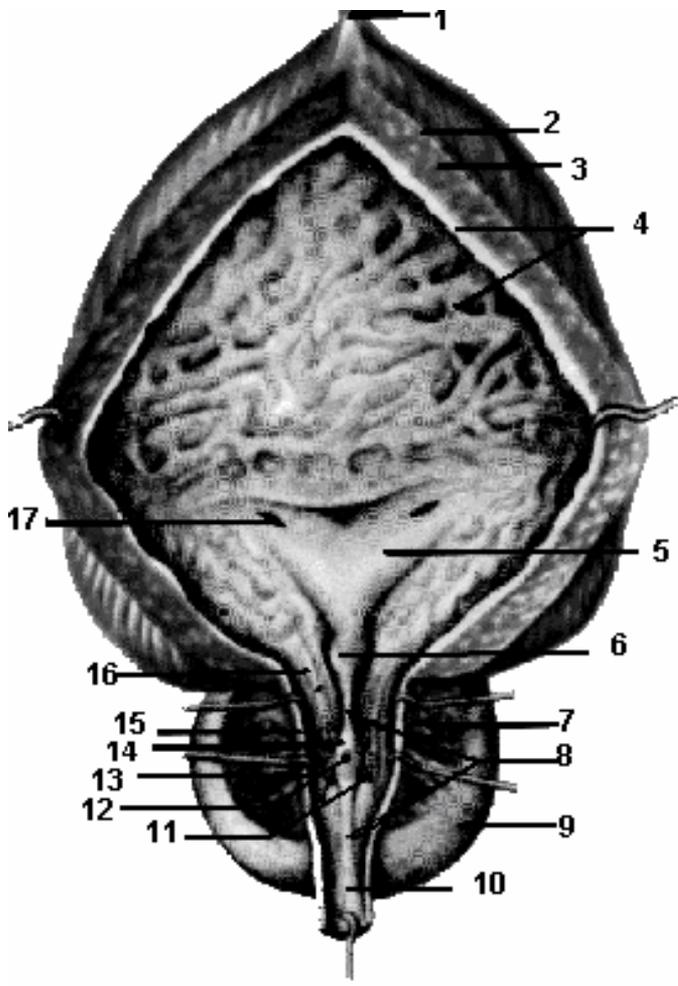
1,5-2

3

(vesica urinaria)\_

( . 52),

500-700



52

- 1- ;
- 2- ; 3-
- 4- ;
- 5- ; 6-
- 7-
- 8- ;
- 9- - ;
- 10- ; 11-
- 12-
- 13-
- 14-
- 15-
- 16-

; 17-

12-15 , (2-3 ) .

1.

2.

3.

4.

0,5-0,7

(uretra masculina)

18

3

(.52)

(1,5 )

15

S- , , 3 :

(uretra feminina)

2,5-3,5 , 8-12 .

8-

:

(test s)

(.53).

20-30

4

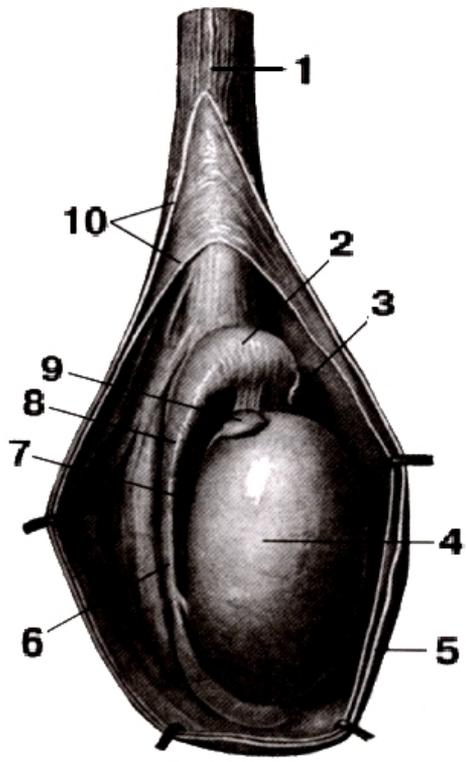
3

2

250-300

(.54)

2-3



. 53. ,  
 1- ; 2-  
 ; 3- ; 4-  
 ; 5- ; 6-  
 ; 7- ; 8-  
 ; 9- ; 10-

12-15

(epididymis)

( . 53).

12-15

6-8

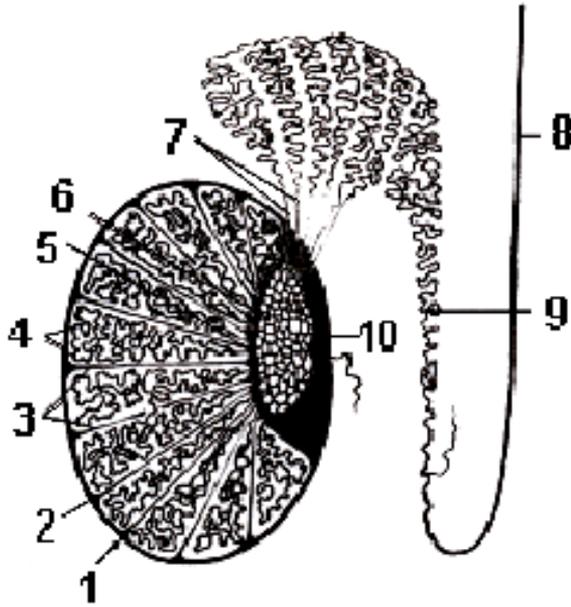
( )

(ductus deferens)

(.54),

40-45

3



. 54.

1-

; 2-

; 3-

; 4-

; 5-

; 6-

; 7-

; 8-

; 9-

; 10-

(.55).

3-4

1

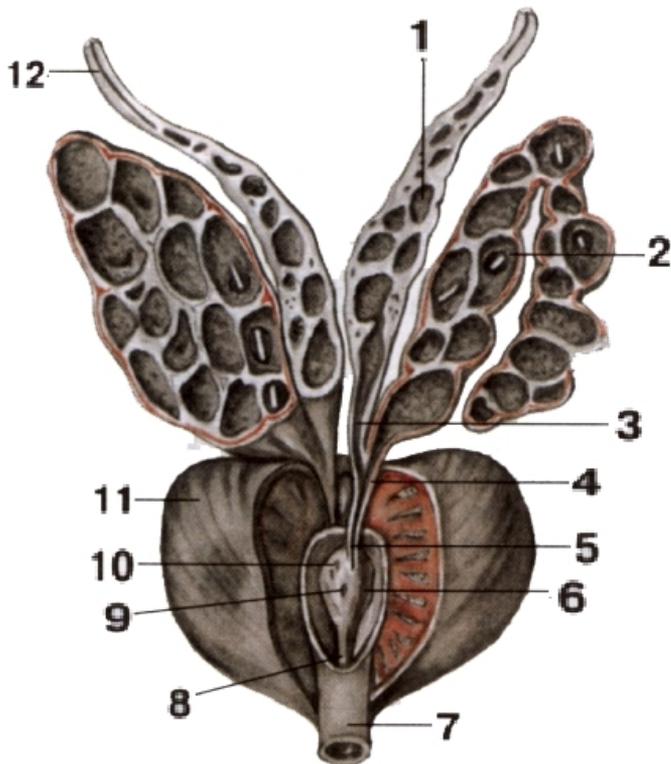
(vesicula seminal s)-

(.55).

5

( .55).  
 1 , 0,3 .  
 (prostata) , -  
 ( .55), , .

20-25 . 4 , 3 , 2



. 55 . ,  
 1- ; 2- ; 3-  
 ; 4- -  
 ; 5-  
 ; 6-  
 ; 7- ; 8-  
 ; 9- ;  
 10- ; 11- -  
 ; 12- .

30-40

( )

(gl. bulbourethralis) ( )

0,3-0,8

( 3-4 )

(funiculis spermaticus)

15-20

(scrotum)

1.

2.

3.

4.

5.

6.

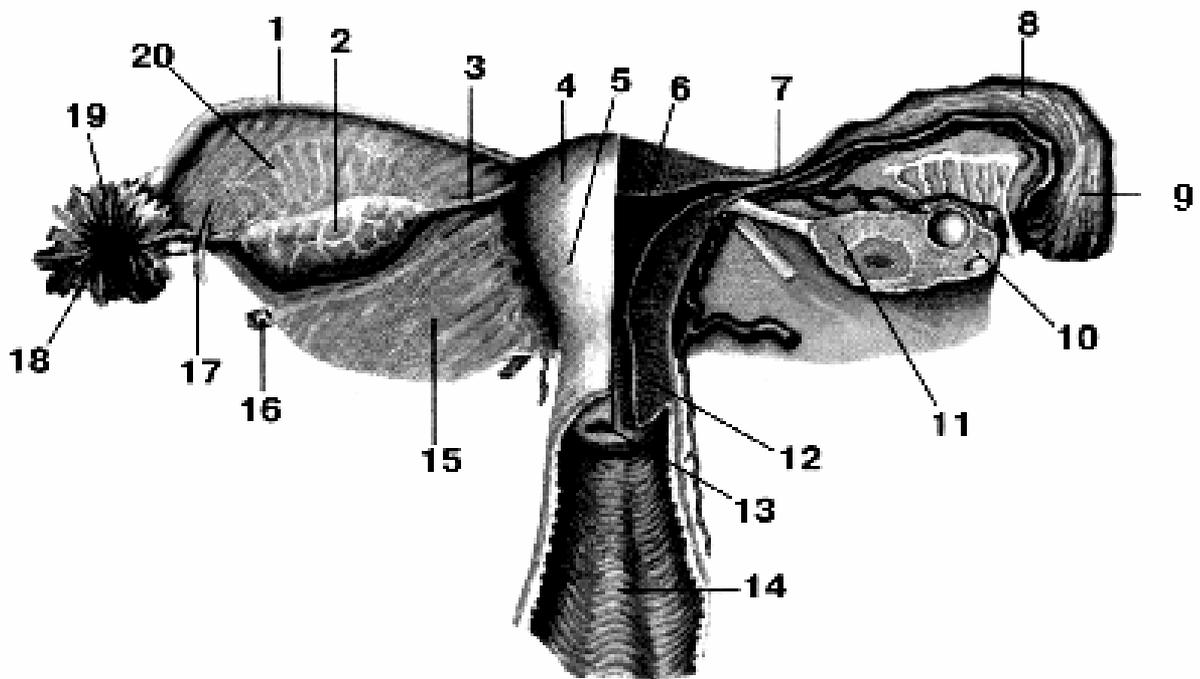
7.

(penis)



(ovarium)–

(.56),



.56.

5- 1- ; 2- ; 3- ; 4- ;  
 ; 6- ; 7- ; 8-  
 ; 9- ; 10- ; 11-  
 ; 12- ; 13- ; 14- ; 15-  
 ; 16- ; 17- ; 18-  
 ; 19- ; 20-

1 . 5-8 . 2,5 , 1,5 ,  
 ( )  
 1,5-2,0  
 ( 1,0-1,5 )

(tuba uterine, salpinx) –

( .56),

10–12 ,

2–4 .

(uterus) –

( .56),

7-8

-4

-2-3

3

(

).

7-8

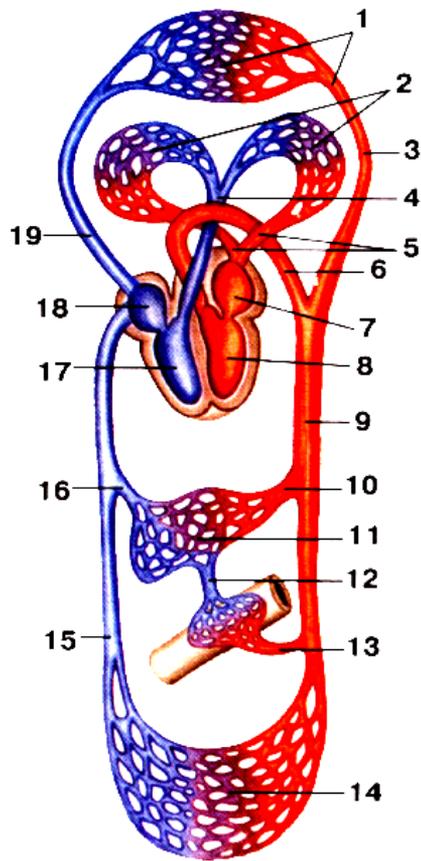
2-3







9 -



57.

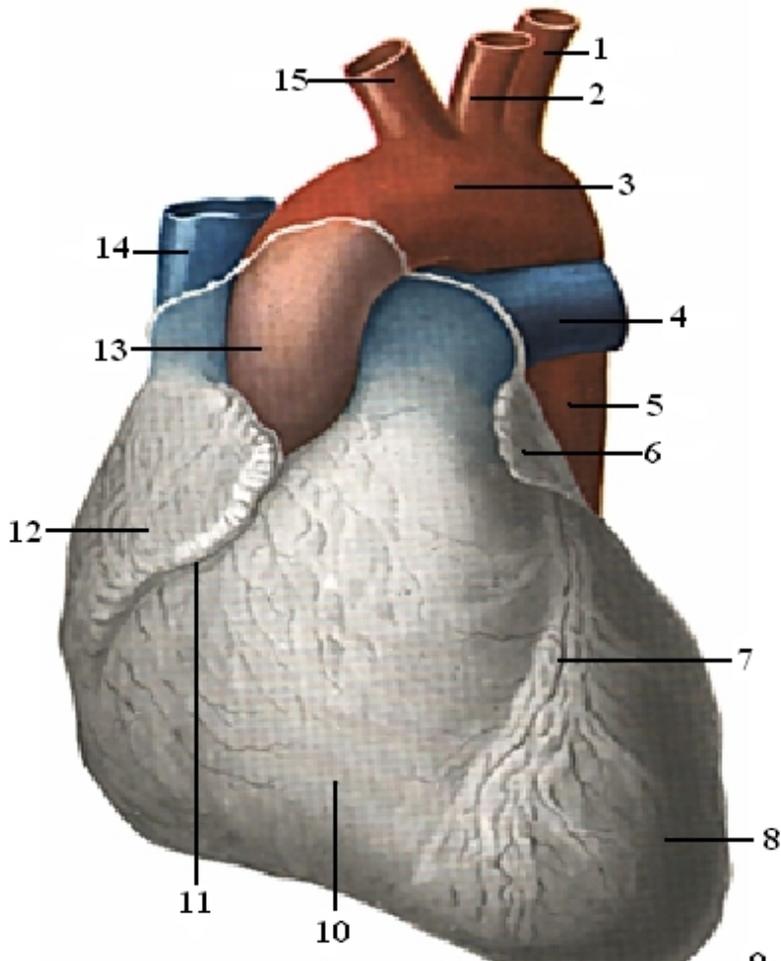
1- ; 2- ; 3- ; 4- ; 5- ; 6- ; 7- ; 8- ; 9- ; 10- ; 11- ; 12- ; 13- ; 14- ; 15- ; 16- ; 17- ; 18- ; 19-

( .57 )

( 57.)

(cor)

( .58),



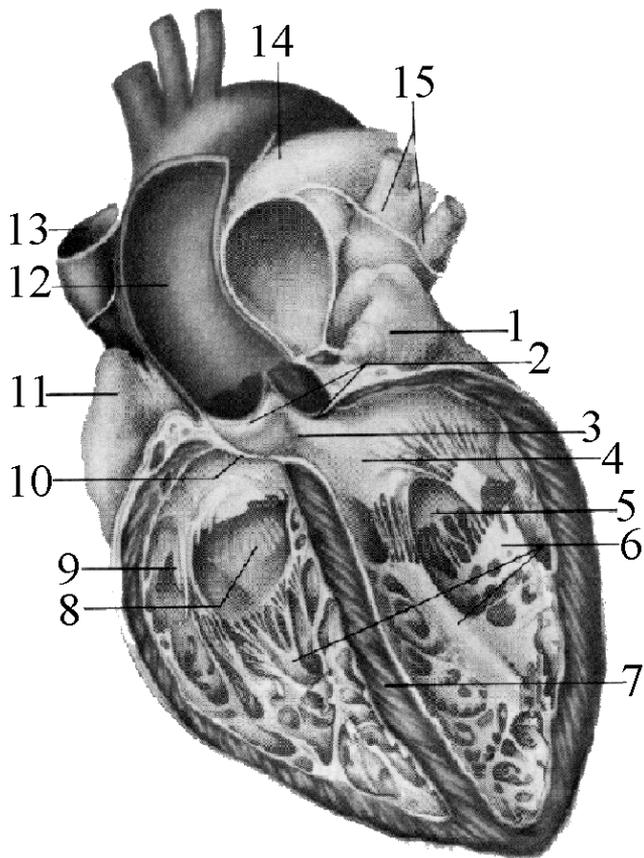
58  
1-  
; 2-  
; 3-  
; 4-  
; 5-  
; 6- ; 7-  
; 8-  
; 9-  
; 10-  
; 11-  
; 12- ;  
13-  
; 14-v.

; 15-

4 9-11 , -300 , -250 . 10-15 ,  
( .59 ) . 6-8 .

2-3 ,

.59.



1- ; 2- ; 3-  
 ; 4-  
 ; 5-  
 ; 6-  
 ; 7-  
 ; 8-  
 ; 9-  
 ; 10- ; 11-  
 ; 12- ; 13- ; 14-  
 ; 15-

5-8 .

;

,

,

,

5 4

,

3 :

,

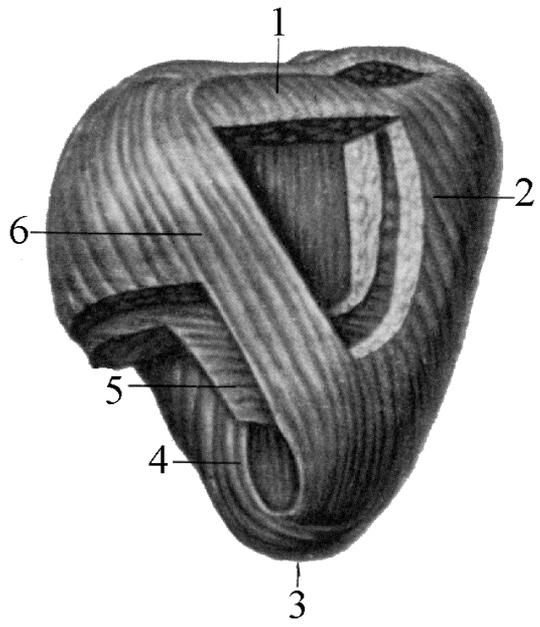
2 . 1.

2.

( .60).

3

( )



60.

1-

; 2-

; 3-

4-

; 5-

; 6-

( - )

. 2.

: 1.

( - ),

( ),

( ) 20-30,

II - V



( )

(aorta)

II

IV

II

6

2

2-2,5

3 . :  
1.

2.

3. 3-5

1.  
2.

3. - :  
1.

2.

3.

(a.carotis interna)

(a. subclavia)

4

I

1.

2.

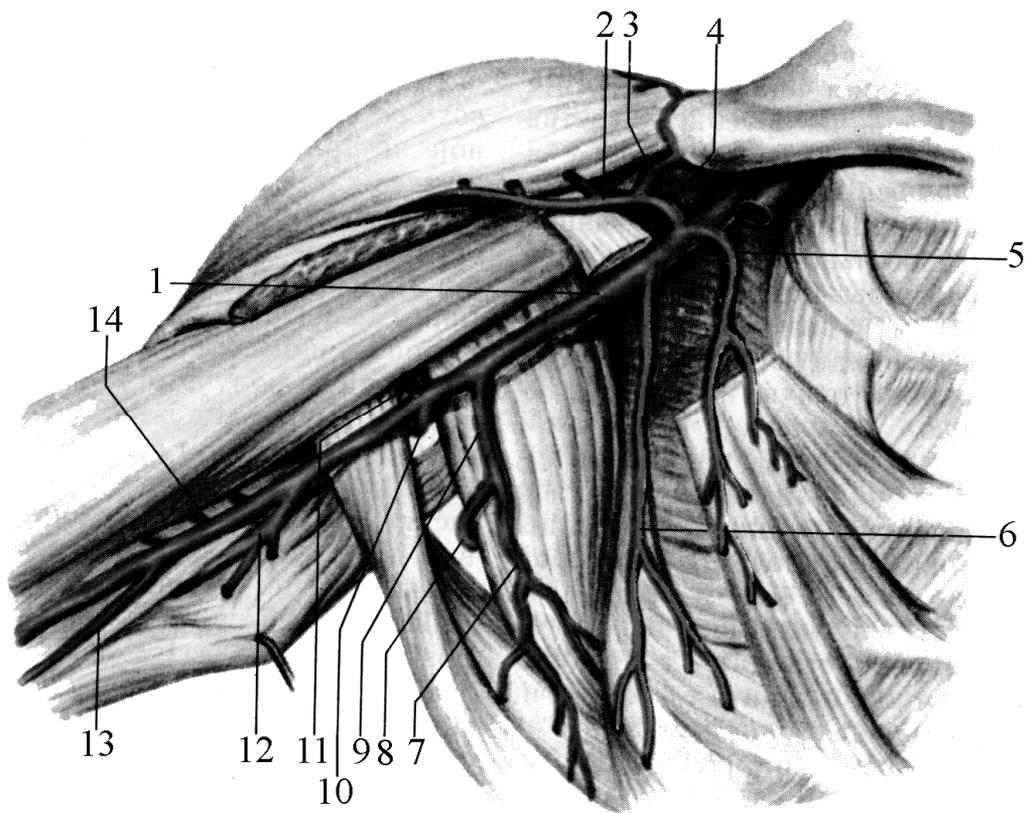
3.

I-VII

VII

( .61 ).

I II



.61..

1- ; 2- - ; 3- ; 4-  
 ; 5- ; 6- ;  
 7- ; 8- , - ; 9-  
 ; 10- , ; 11- ,  
 , 12- ; 13-  
 ; 14- .

( .61)

IV

IV

10

III-XII

XII

(4 )

: 1)

. 2)

I-II

. 3)

( )

(truncus coeliacus)

( .62)

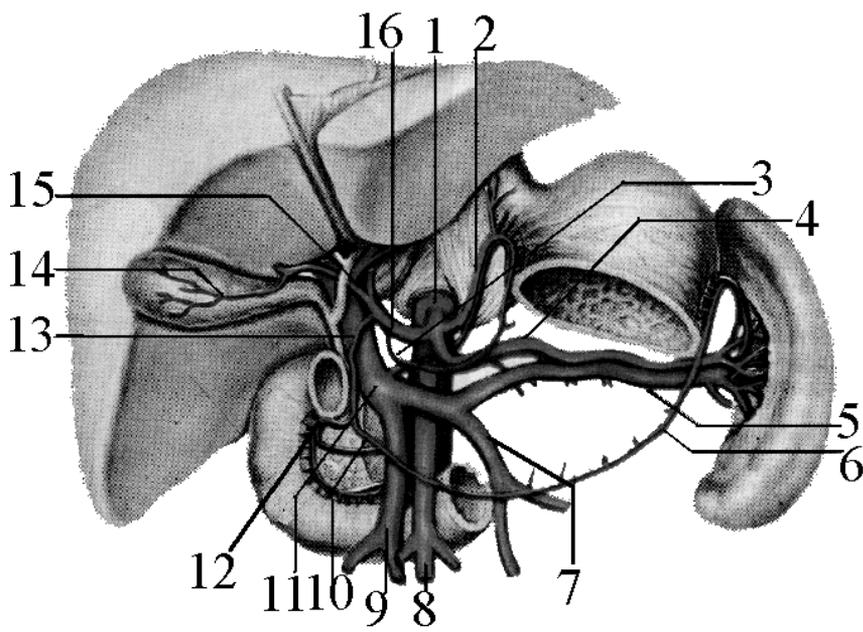
1,5 -

XII

2 1.

1)

.2)



.62.

- 1- ; 2-
- 3- ; 4-
- 5- ; 6-
- 7-
- 8-
- 9-
- 10-
- 11-
- 12-
- 13- ; 14-
- 15-
- 16-

3)

2.

(a.mesenterica superior)

(.62).

III

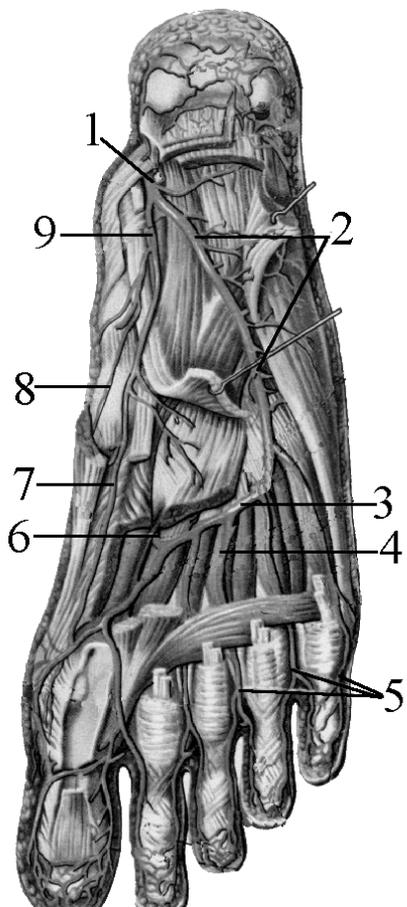
(a.mesenterica inferior)

(a.iliaca interna)

(a. iliaca externa)

(a. femoralis)

( . ).



II-V

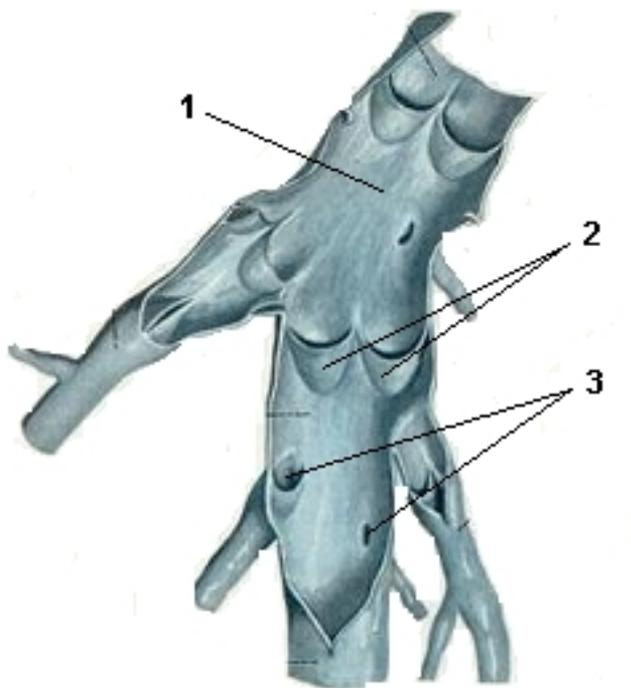
.63.

1-  
 ; 2-  
 ; 3-  
 ; 4-  
 ; 5-  
 ; 6-  
 ; 7-  
 ;  
 8-

; 9- -

( 63)

V



( .64),

64.

1-

;

2-

; 3-

2

; 2)

; 3)

: 1)

8

21-25

(v.cava superior)

(.65).

5-

I

IV-V

,

,

4-5

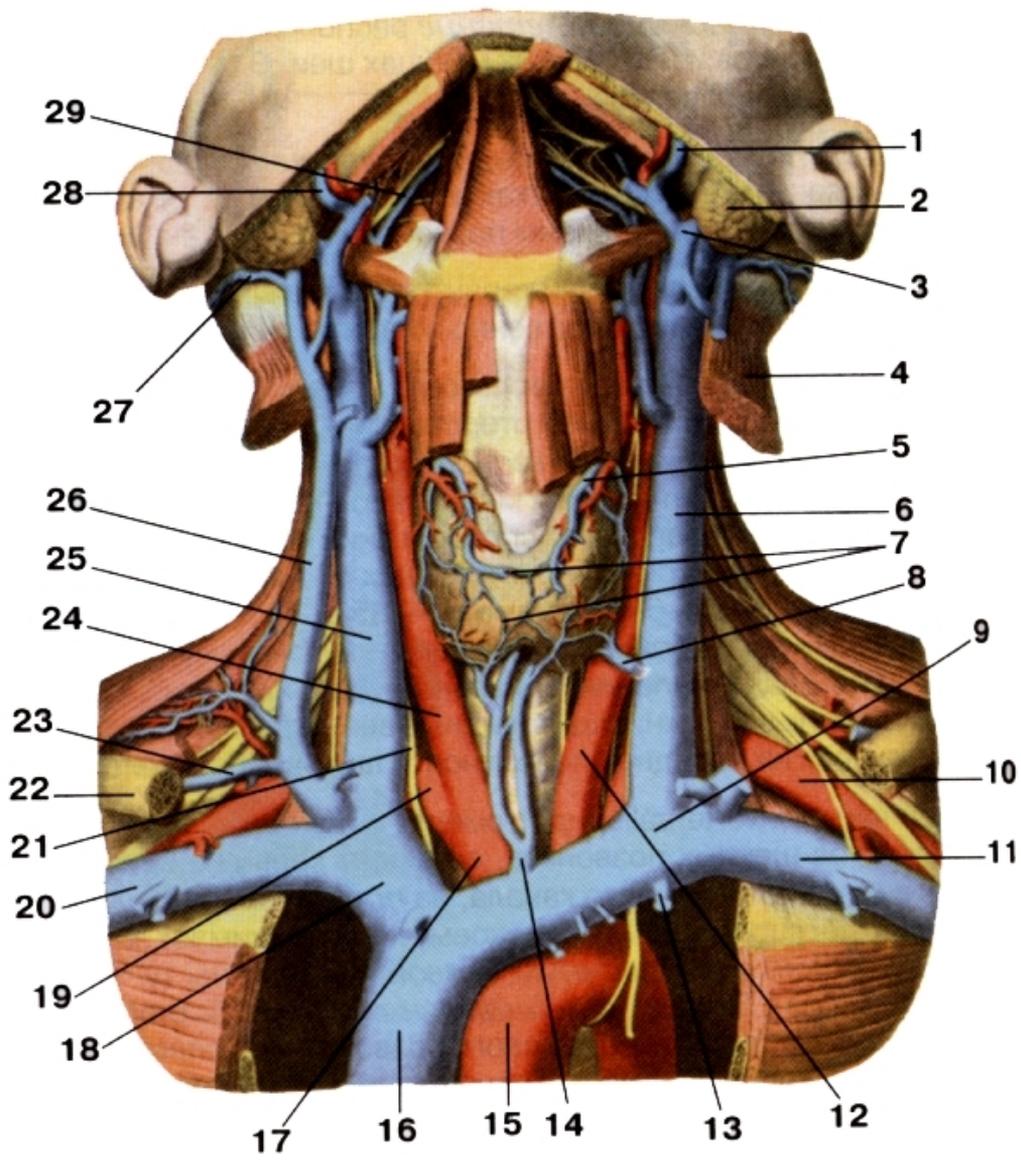
VII-X

6-7

(. .).

5-6

3



65.  
 1, 28- ; 2- ; 3-  
 ; 4- - ; 5- ;  
 6- ; 7- ; 8-  
 ; 9- ; 10-  
 ; 11- ; 12- ; 13-



I

18-20

IV V

3-4

( )

3-4



10-12

18,8%

**10 -**

**:**

(gl. thyroidea)  
( .66 ).

3- 4

30%

50 - 60

30 - 50

50

20

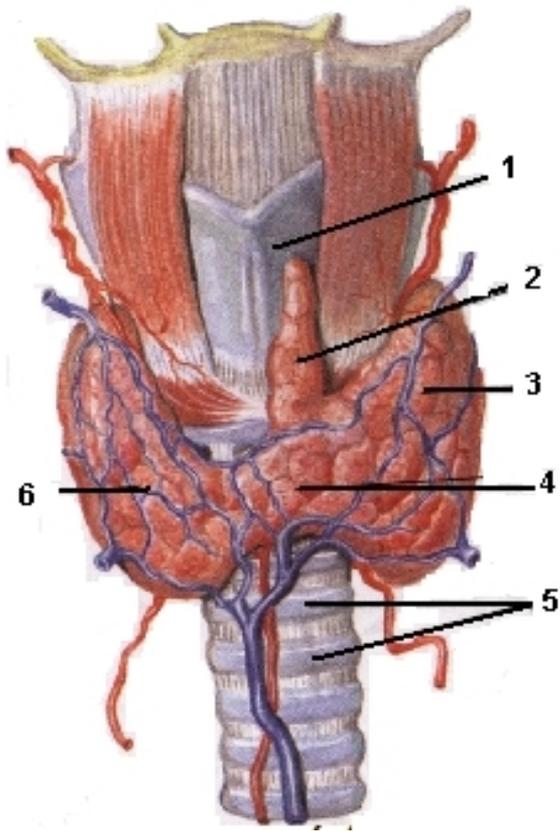
20

25 300 - 500

300

20%

80%



; 4-

. 66.

1- ; 2- -  
 ; 3-  
 ; 5- ; 6-

30 - 40%,

(gl. parathyroidea)

( )

0,13 - 0,36

D.

(hypophysis) –

0,5 ,

0,6 ,

1 .

(lobus anterior)

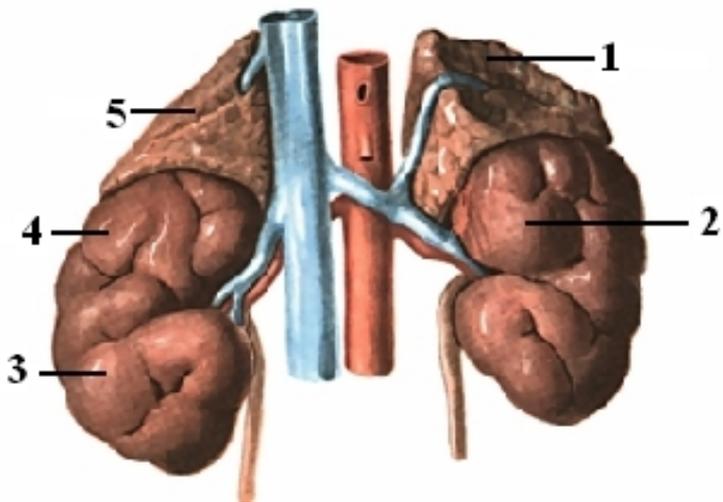
70 – 80 %

( )

240 – 250 .



12-13 . 40-60 , 20-30 , 2-8 ,



. 67.

1-glandula suprarenalis dextra; 2-  
ren dexter; 3-ren sinister; 4-lobus  
renalis; 5- glandula suprarenalis  
sinistra;

( )

( ),





flava),

(medulla ossium

2,5-3

4,5-4,7 %

4-5

(1-6

20-25

50%

(thymus)

( )

T-

.68.

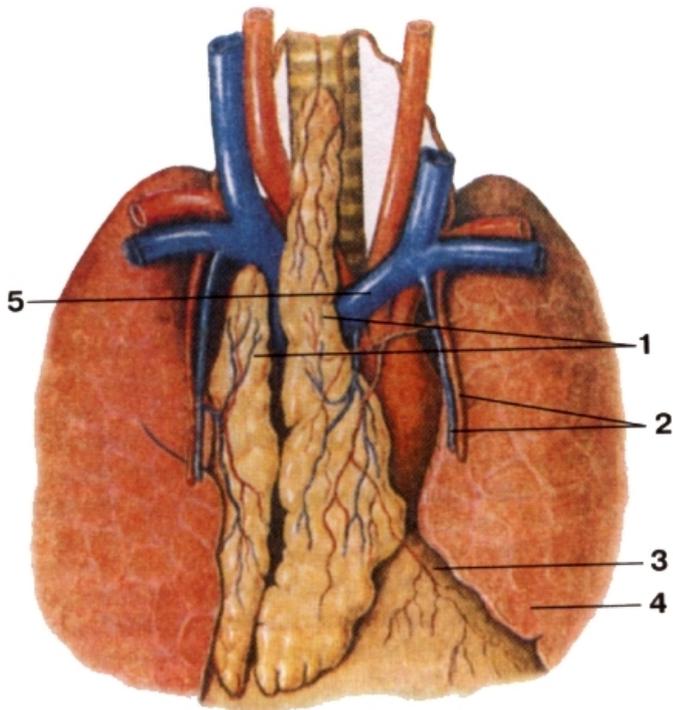
1-

; 2-

; 3-

; 4-

; 5-

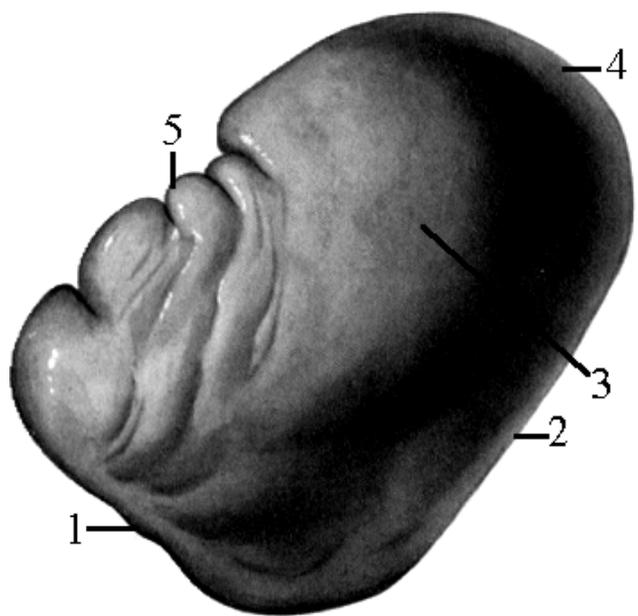


,

( ) .  
 13,3 .  
 , 1,0-2,5  
 V , 5,0-5,5 , 1,5-3,2 . 5,2-7,4 , 1,7-2,3  
 III - IV . IV -  
 (37 ) . 70-75  
 6 ,  
 600-800. 1 2  
 10-15 .  
 1-1,5 ,  
 2-3

0,2-1,5      16-17      3-5      33-80.      0,5-1,5

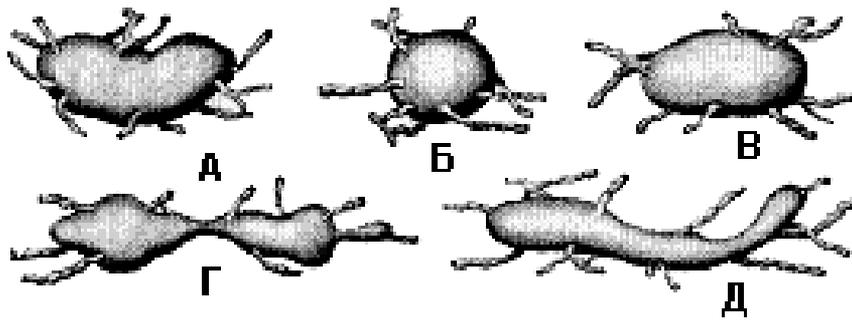
69). ( IX - XI 153 192



69. 1- ; 2- ; 3- ; 4- ; 5-

).

10-20 ( . 70).  
500-1000 , 1%



70.

- ;
- ;
- ;
- ;
- .

(tonsilla)

:

,

:

3-4

14-22 , 8-16 8 - 30 14-22 .

20 ,

4 - 6

,8 .

7 - 7,5 , 3 - 3,5 .

**11 -**

:

(encephalon)

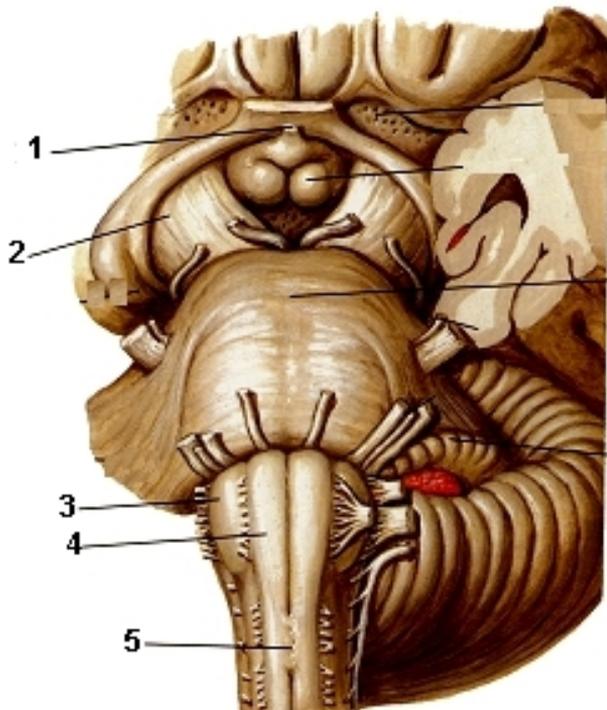
(truncus cephalici)  
(.71).

(medulla oblongata) (.71)

**myelencephalon.**

I

IV



.71.

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

( 2,5 )

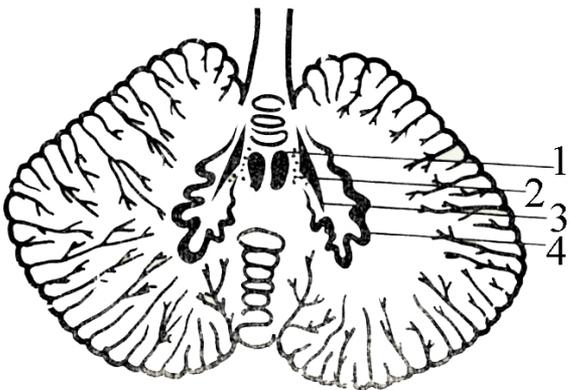
IX-XII

(pons)

IV

V, VI, VII VIII

(cerebellum)



( )

.72 .

1- ; 2- ; 3- ; 4-

(.72)

4

**IV** (ventriculis quartus)

IV

IV

IV

IV

IV

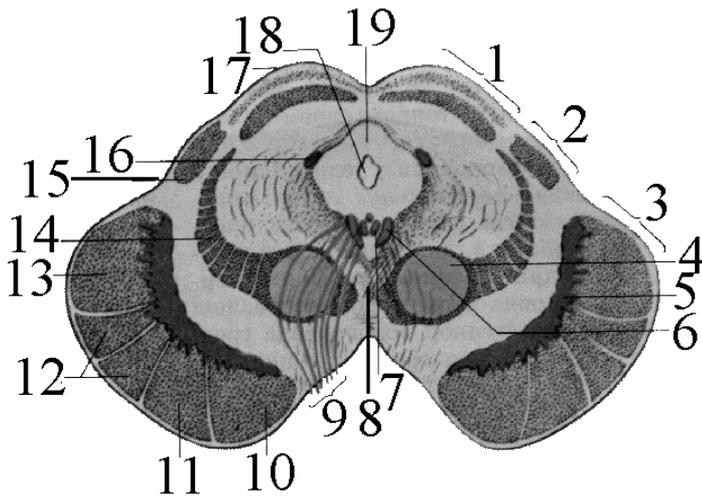
IV

III

V - XII

(mesencephalon)

(.73).



- ; 12 -
- ; 14- ; 15-
- ; 17-
- ; 18-
- ; 19-
- ; 13-
- ; 16-
- ; 18-

.73.

- 1-
- 2-
- 3-
- 4-
- ; 5-
- ; 6-
- ; 7-
- ; 8-
- ; 9-
- ; 10-
- ; 11-

IV  
( )

( )

(diencephalon)

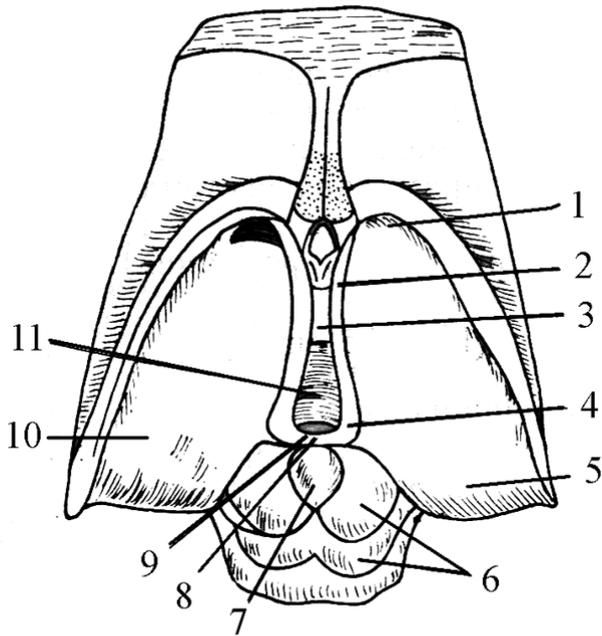
: 1.

2.

III

( .74 )

( 40),



.74.

1- ; 2-  
 ; 3-  
 ; 4-  
 ; 5, 10-  
 ; 6- ;  
 7- ; 8-  
 ; 9- ; 11-III

II-

( )

( ), ( )

III

30

( ),

III-

III-

III

III

III

(telencephalon),

(cerebrum)

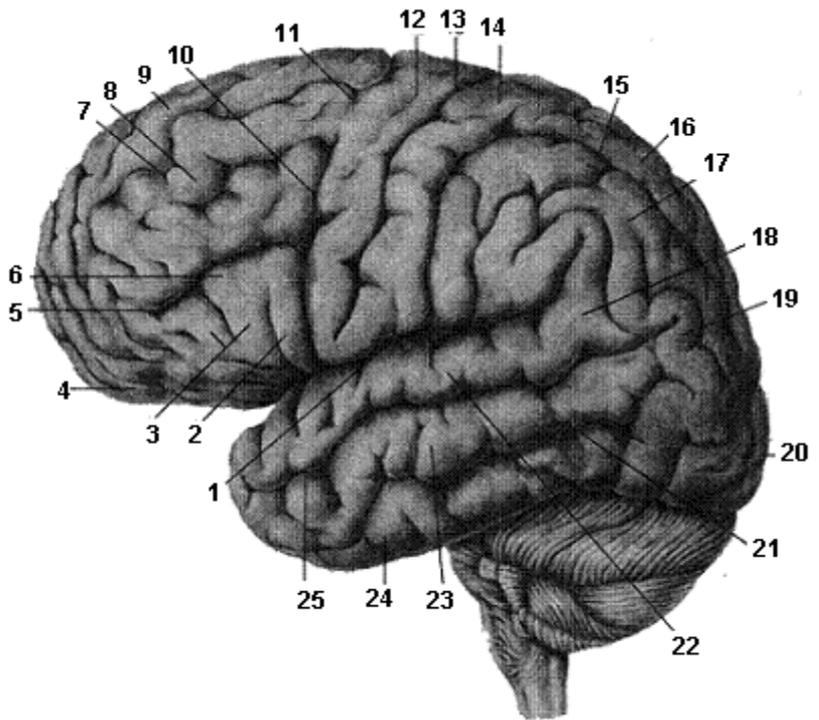
: 1. ; 2. ; 3. ; 4.

2 - 4

( .75)

( )

. 75 .



1-

2-

6-

; 9-

; 15 -

; 18-

; 21-

;

;

; 4-

; 5-

;

;

8-

; 10, 11-

; 13-

; 16-

; 19-

; 22-

; 12-

; 14-

; 17-

; 20-



1. ( )

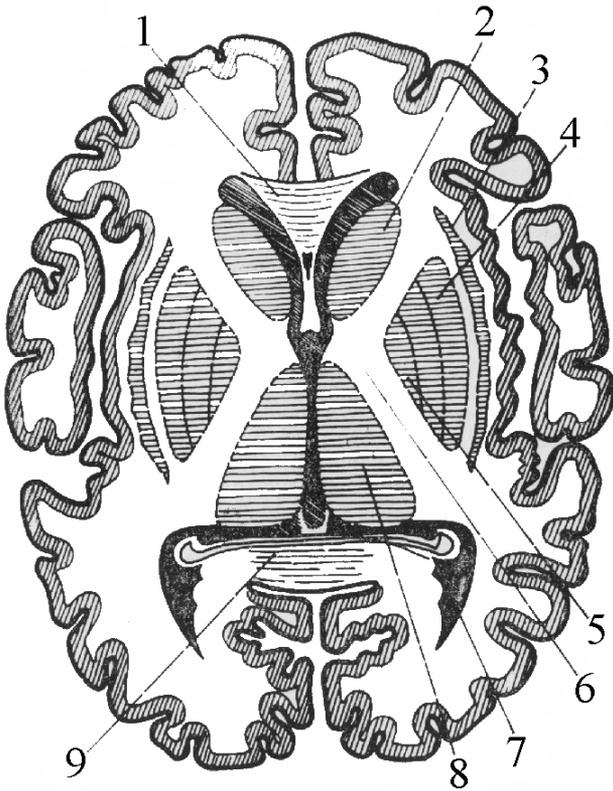
2. ( )

( )

( ).

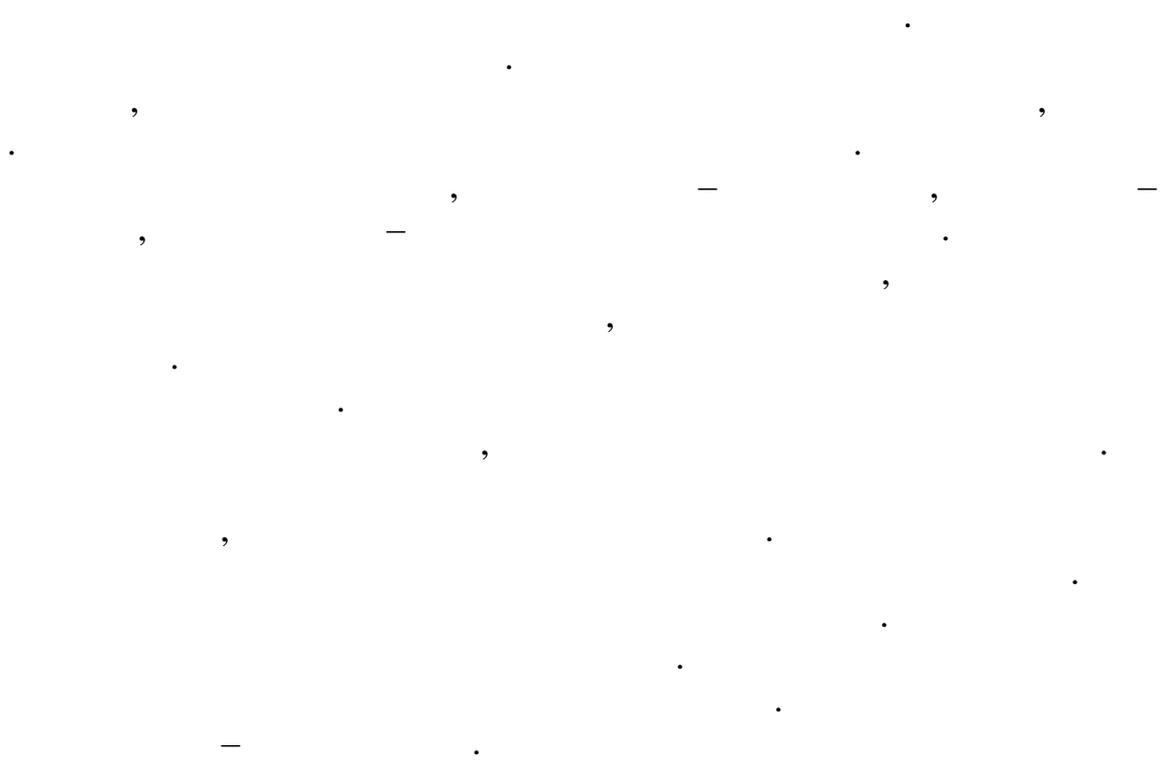
( .76).

: 1. . 2. . 3.



.76

1- ; 2-  
; 3- ; 4-  
; 5- ; 6-  
; 7-  
; 8- ; 9-III  
;



(cortex cerebri)

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

6

2

1. ( )
2. ( )
3. ( )
4. ( )
5. ( )
6. ( )
7. ( )
8. ( )
9. ( )

1.

2.

3.

4.

1)

; 4)

; 7)

; 8)

; 2)

; 5)

; 6)

; 3)

; 2) ; 3) ; 4)

(pia mater encephali)

( )

120 -140

1,005.

III

III  
IV

( ), ( ), - )

12

(V, VII, IX X (I, II VIII (III, IV, VI, XI XII ),

III, VII, IX X

**I** — (nn.olfactorii)

15–20

**II** — (n.opticus)

**III** — (n.oculomotorius),

( )

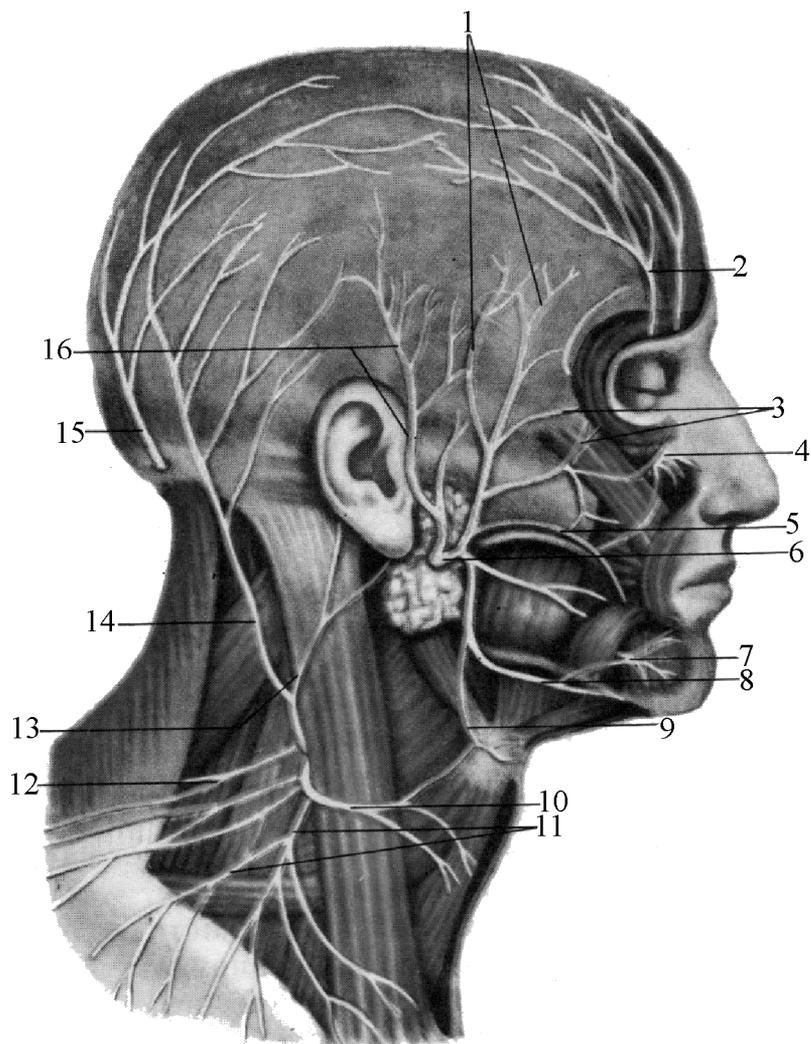
**IV** — (n.trochlearis)

**V** — (n.trigeminus),

2/3

**VI** — (n.abducens),

**VII** — (n. facialis) ( . 76).



.76.

- 1- ;
- 2- ;
- 3- ; 4-
- 4- ; 5-
- 5- ; 6-
- 6- ; 7-
- 7- ; 8-
- 8- ; 9-
- 9- ; 10-
- 10- ;
- 11- ;
- 12- ; 13-
- 13- ; 14-
- 14- ;
- 15- ;
- 16- -

**VIII**

(n.vestibulocoshlearis).

IX

—

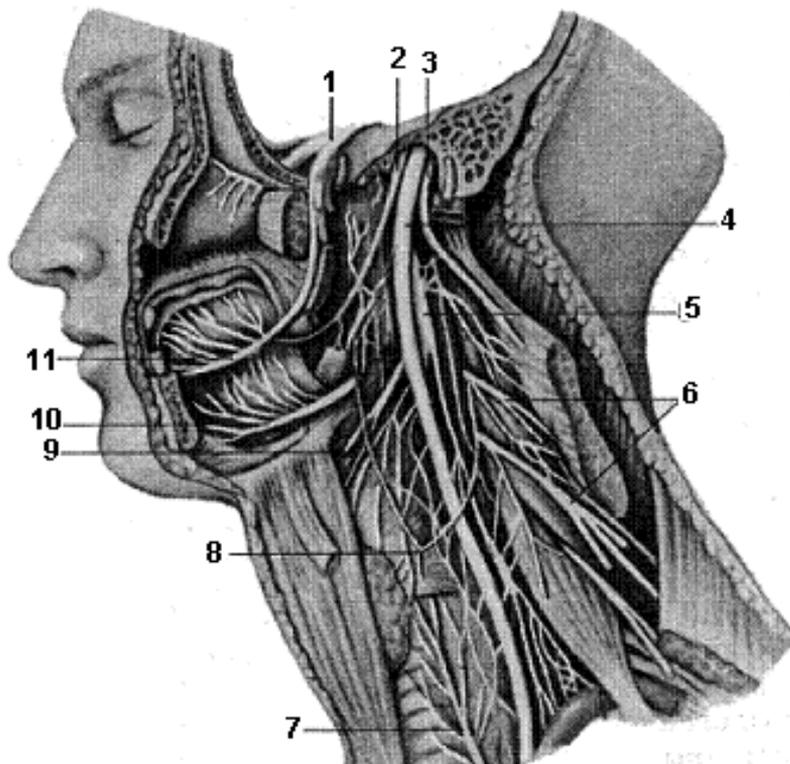
(n.glossopharyngeus),

X

—

(n. vagus)

(.77).



- 77.
- 1— ;
  - 2— ; 3— ;
  - 4— ; 5— ;
  - 6— ; 7— ;
  - 8— ; 9— ;
  - 10— ;
  - 11— ;

( , )

4

**XI**

(n.accessorius),

**XII**

(n. hypoglossus),

**12 –**



( )

( )

I

II

III

IV

I

II

III

IV

I

II

III

I

II

III

1.

)

II

)

II

II

II

II

V

II

II

V, VI, VII

I

II

13 -

:

- 1. ; - ,
- 2. - VII, IX X
- 3. - , VIII ,
- 4. II - IV - - .

- 1. , ( ) :
- ( ). ( ) ,
- 2. : , , ,
- 3. , .

- 1. .
- 2. , , .
- 3. , .
- 4. . , .

1.

2.

3.

4.

VIII

20-25



( ) ,

II-IV

( )

( )

II -IV

## 14 – практическое занятие

Тема:

1.

2.

3.

1.

2.

1.

2.

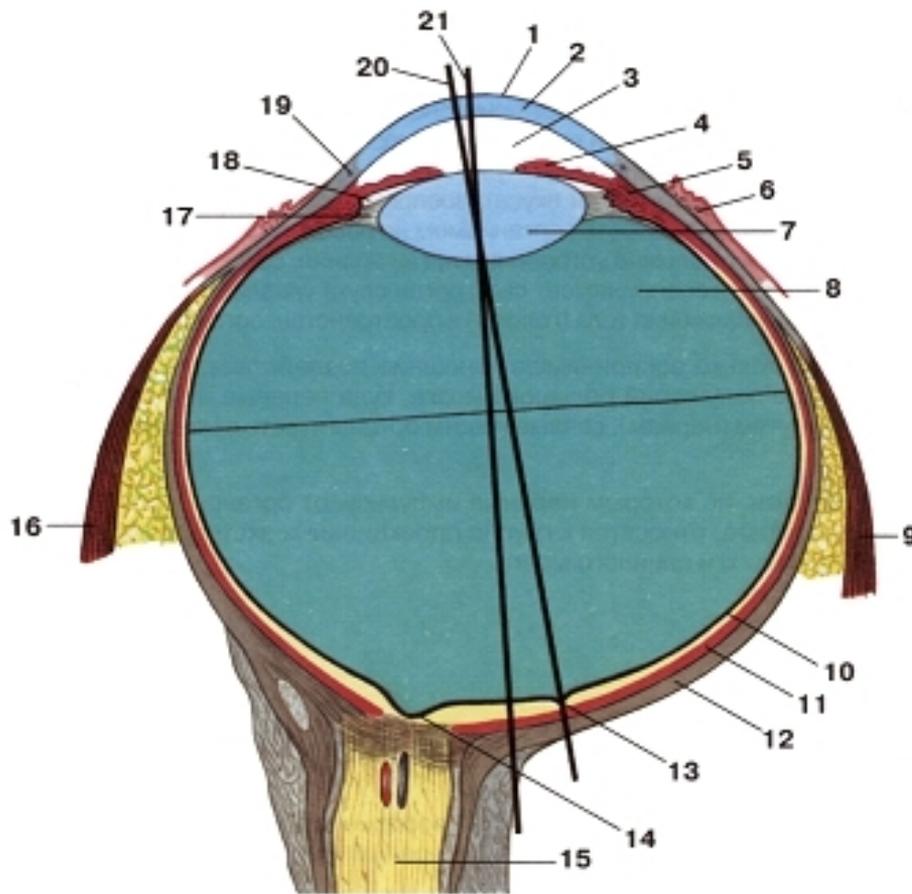
( ) ) - ,  
- ( , ).  
- ( , ).

(oculus)

( .78).

24

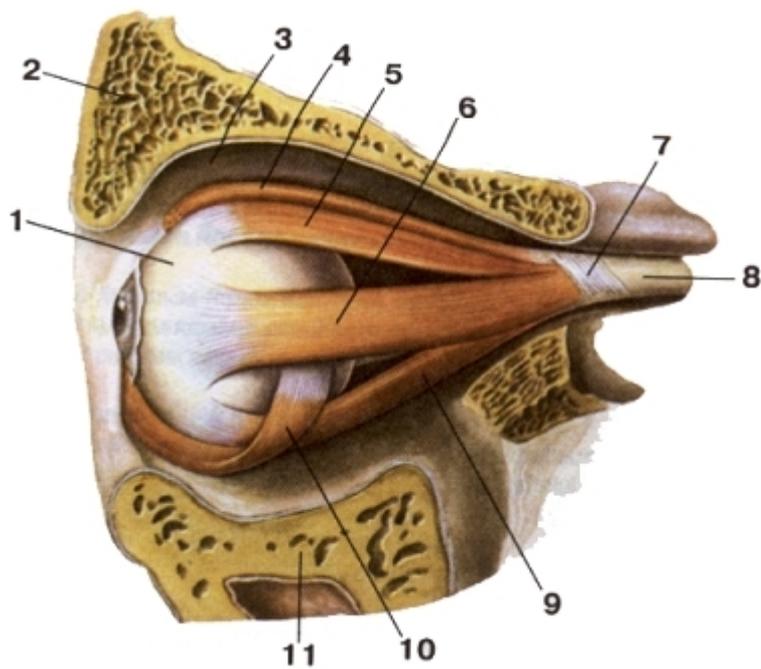
21,75



.78

- 1- ;
- 2 ; 3-
- 4-
- 5- -
- 6- -
- 7- -
- 8- -
- 9- -
- 10- -
- 11- -
- 12- -
- 13- -
- 14-
- 15-
- 16- -

- 17-
- 18-
- 19-
- 20-
- 21-



79.

- 1- ; 2-
- ; 3- ; 4-
- ; 5-
- ; 6- -
- ; 7- -
- ; 8- -
- ; 9-
- ; 10-
- ; 11- -

5-8

15

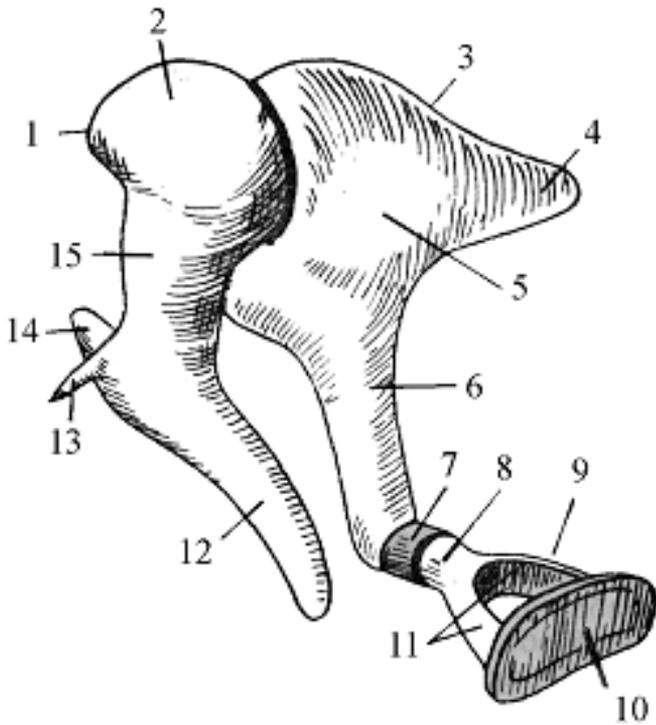
1/3

2/3

11 9

2

1 3



6

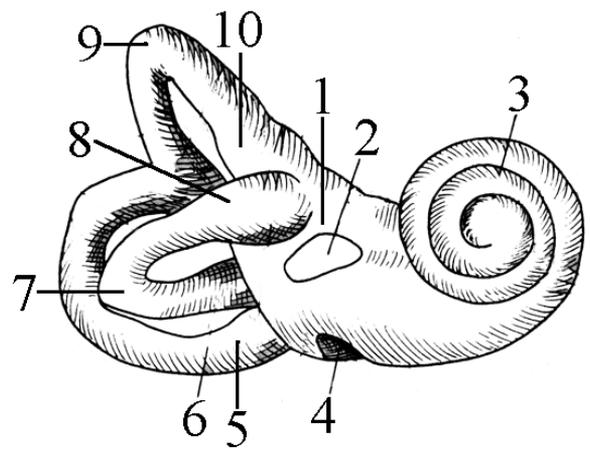
79.

1- ; 2-  
; 3- ;  
4- ; 5-  
; 6-  
; 7- -  
; 8-  
; 9- ; 10-  
; 11-

; 14- ; 12- ; 13- ; 15-

( .79).

35 , 2



( .80).

80.

1- ; 2-  
 ; 3- ; 4-  
 ; 5-  
 ; 6-  
 ; 8-

; 7-

; 9-

; 10-

(vestibulum)

5

(co hlea)

2

5

24 000

60-70

6-12

15-20

2000.

$2/3$

(cutis)

$1,5 - 2^2$

82%

1

D.

0,5 3-4

2,5

« »,

,

.

.

.

,

.

,

.

,

.

,

,

,

.

,

.

,

,

.

,

.

,

,

.

,

,

:

.

—

,

,

,

.

,

.

.

2—

2,5

.

,

.

—

,

,

.

.

,

,

.

.

,

(

,

,

,

,

).

:

(

,

,

),

(

,

)

,

.

,

,

(

),

2-4

1. I II. 2001
2. 2003.
3. . 2005 .
4. 1982 .

I.	.....	4
	.....	5
	.....	5
	.....	8
	.....	10
	.....	10
	.....	11
	.....	12
	.....	13
	.....	15
	.....	15
	.....	17
	.....	20
	.....	21
II.	.....	22
	.....	22
	.....	26

		.....	27
		.....	31
	,		
	.....		34
III.		.....	36
		.....	36
		.....	40
		.....	43
		.....	47
	,		
	.....		51
IV.		.....	54
		.....	54
		.....	54
		.....	61
		.....	65
		.....	65
		.....	67
		.....	69
		.....	71
V.		.....	73
		.....	74
		.....	76
		.....	77
		.....	78
		.....	81
	,		
	.....		90
VI.		.....	94
		.....	103
VII		.....	105
		..	111
VIII.		.....	112
		.....	112
	,		
	.....		117
		.....	119
		.....	119
		.....	122
	,		
	.....		123
		.....	124
IX.		.....	126
		.....	127

	.....	132
	.....	133
	.....	137
	.....	142
	.....	143
X.	.....	148
	.....	153
	.....	154
	.....	155
	.....	157
XI.	- .....	159
	.....	167
	.....	168
	.....	169
	.....	170
	.....	172
	.....	173
XII.	.....	178
	.....	179
	.....	181
	.....	182
XIII.	.....	184
	.....	185
	.....	186
	.....	187
XIV.	.....	189
	.....	190
	.....	192
	.....	193
	.....	195
	.....	197
	.....	198
	.....	200