



Süňk ulgamy barada düşünje. Skeletiň bölekleri. Oňurga sütüni we onuň bölümleri. Adaty döş oňurganyň gurluşy.

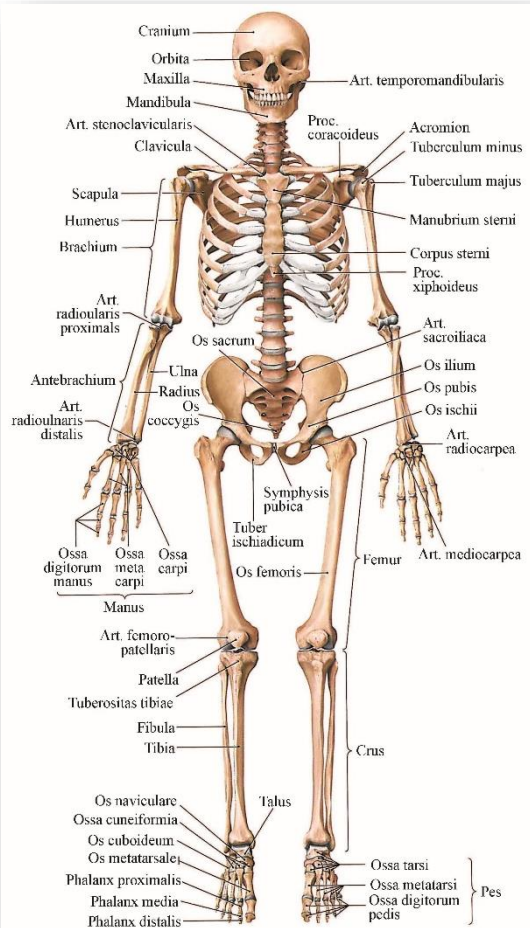
Adam anatomiýasy, topografik anatomiýa
we operativ hirurgiýa kafedrasynyň
mugallymy Y.B.Abdyýew

Talyp bilmeli:

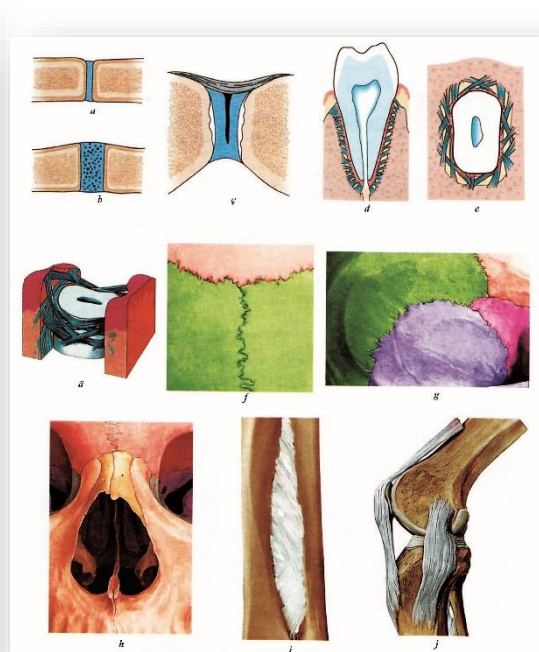
- 1) Anatomiýanyň bölümlerini, adalgalaryny aýdyp bermeli. Oklary we tekizlikleri, olaryň ähmiýetini bilmeli.
- 2) Skeletiň böleklerini. Adaty oňurganyň gurluşyny bilmeli.
- 3) Boýun oňurgalaryň gurluşyny aýdyp bermeli.

Talyp bařaryp bilmeli:

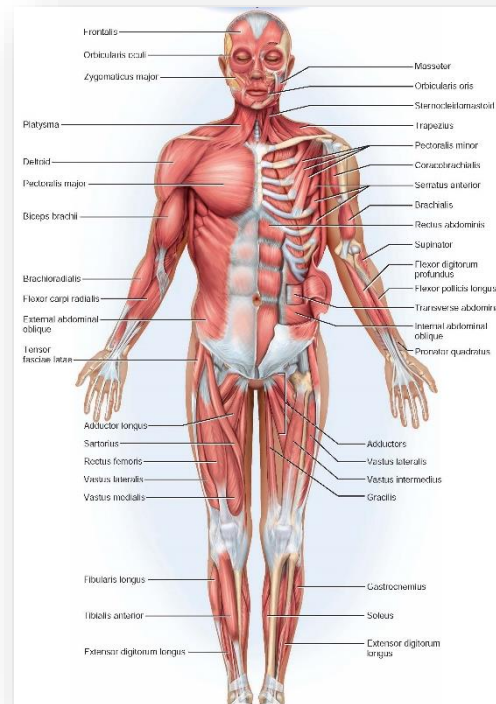
- 1) Skeletiň böleklerini görkezip, olary atlandyryp bařarmaly. Süňkleriň görnüşlerini tapawutlandyryp, olary toparlara bölüp bařarmaly;
- 2) Oňurga sütüniň böleklerini atlandyryp bařarmaly we her bölüminiň oňurgalarynyň sanyny bilmeli. Adaty oňurganyň gurluşyny gürrüň berip bařarmaly;
- 3) Oňurga sütüniniň boýun oňurgalaryny görkezip, olary atlandyryp we gurluşyny gürrüň berip bařarmaly;



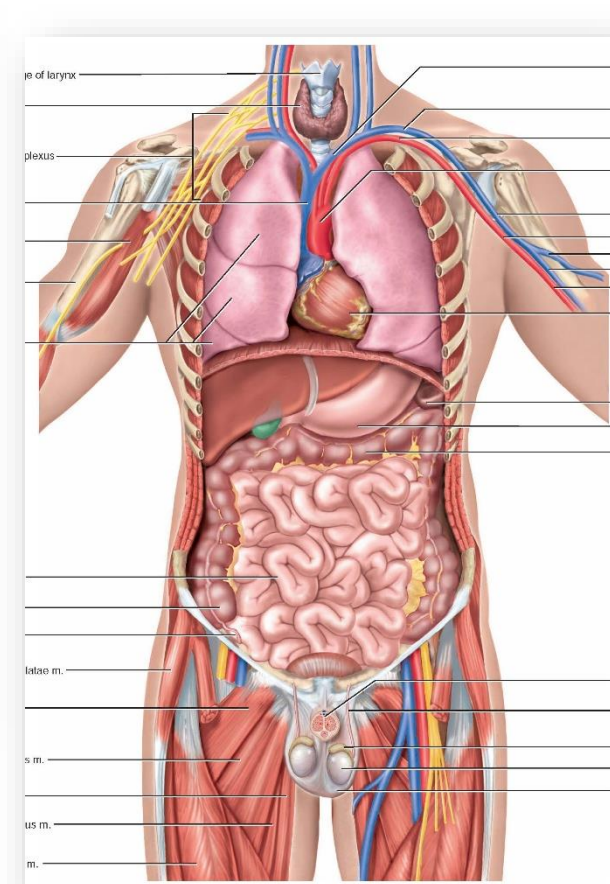
Osteologiya



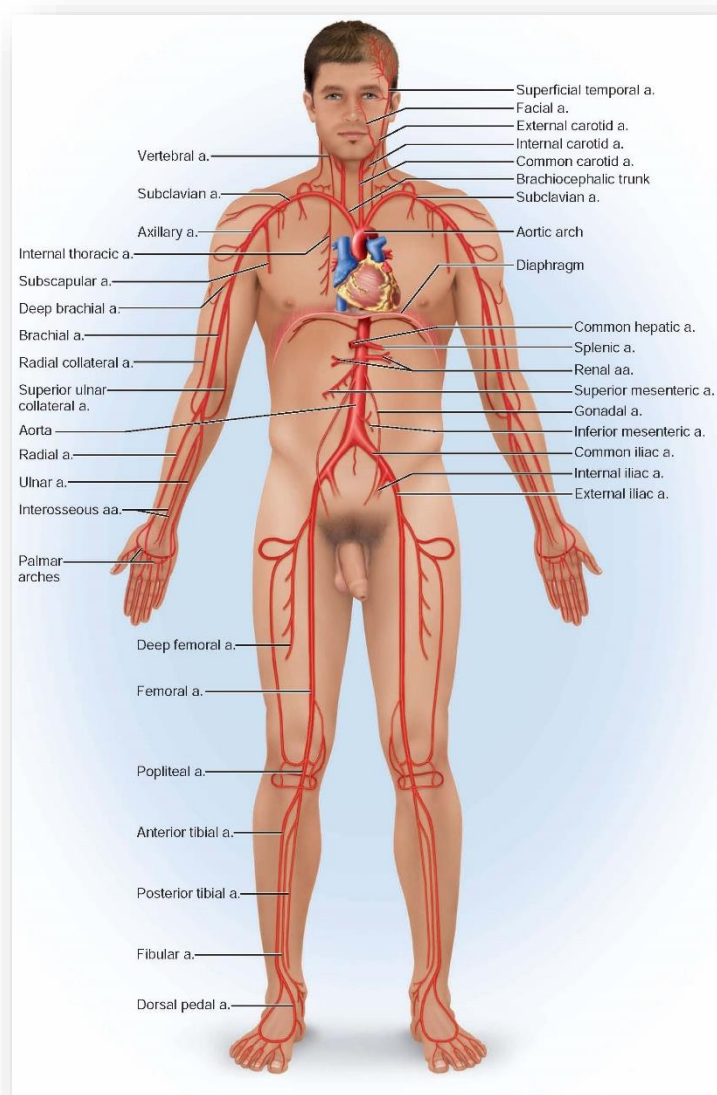
Artrologiýa



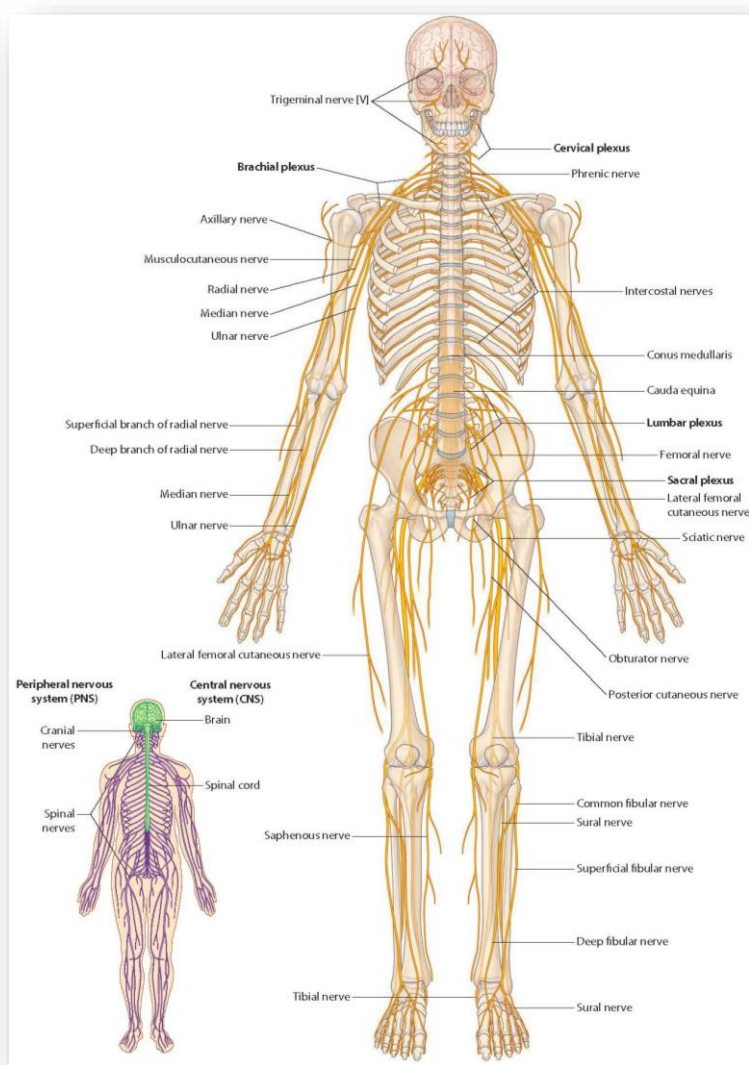
Miologiya



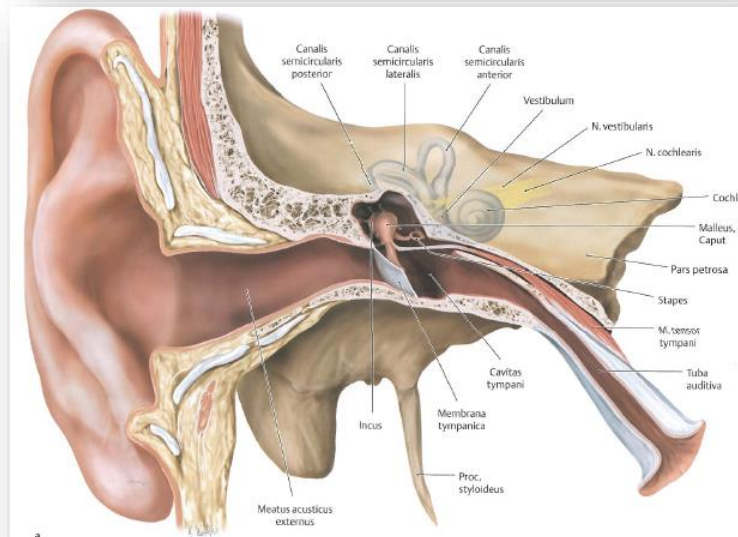
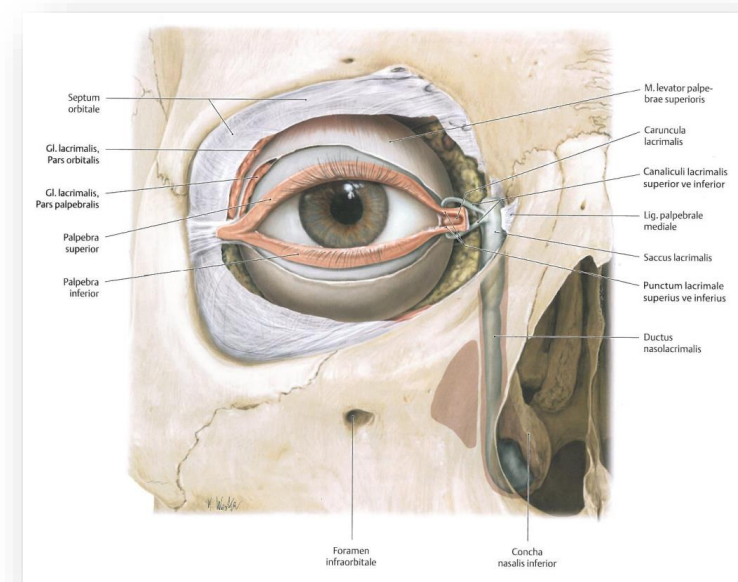
Splanhnologiýa



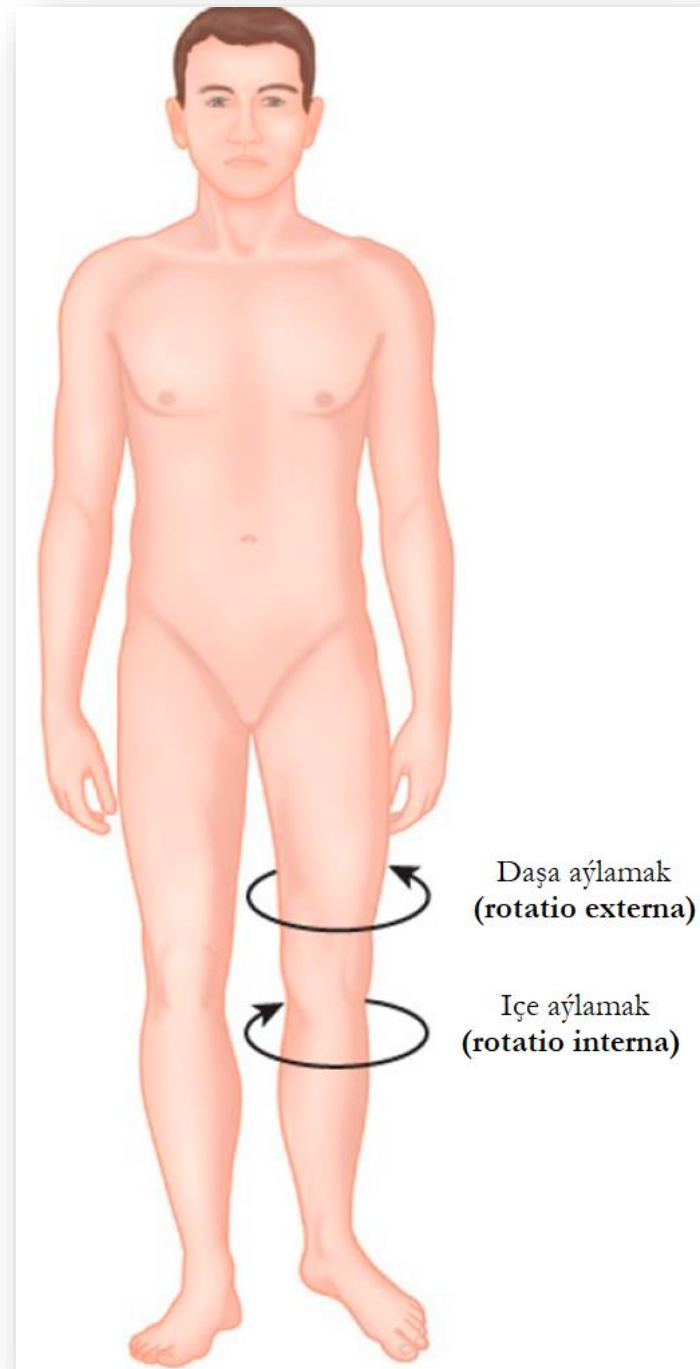
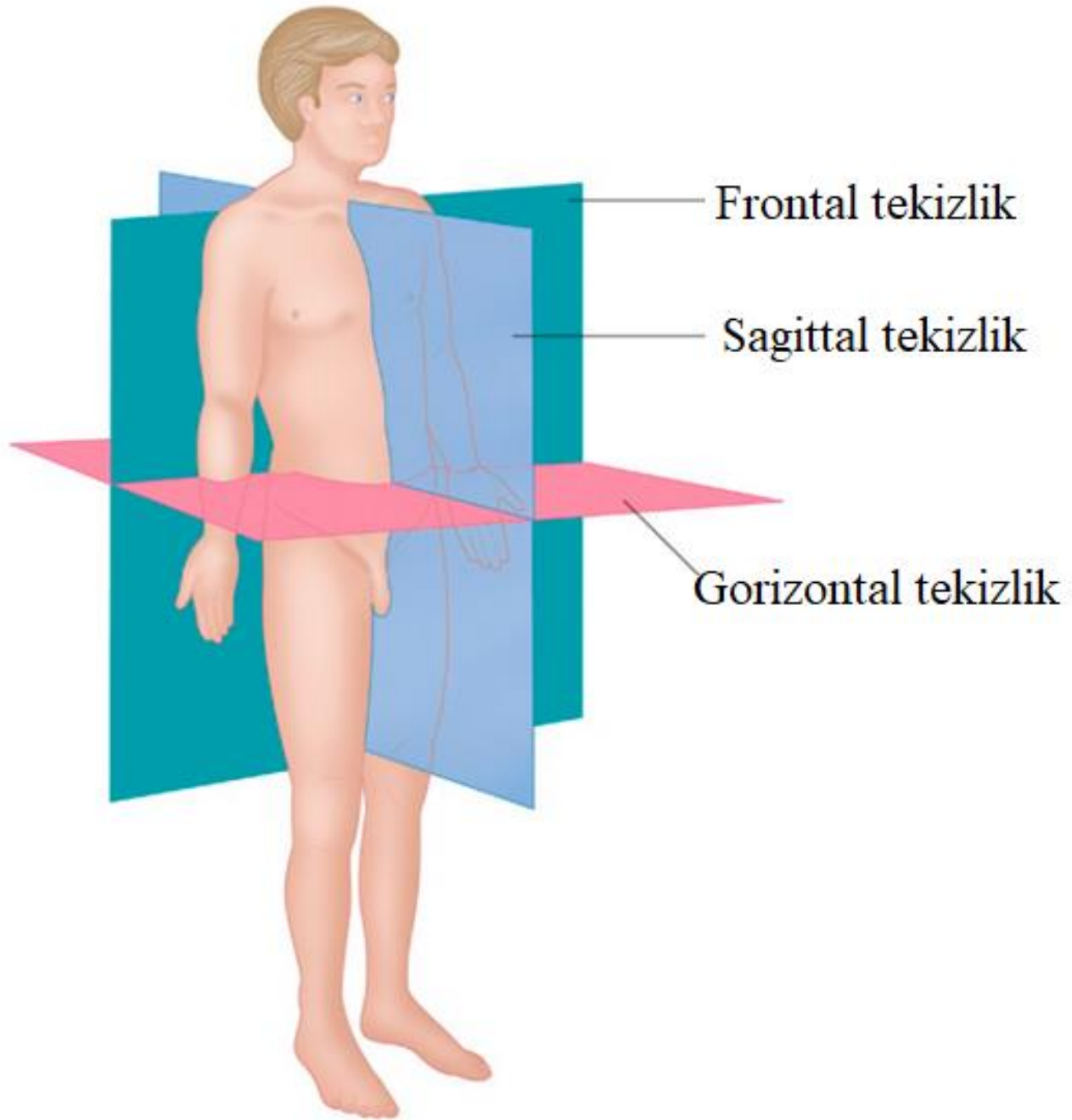
Angiologiya



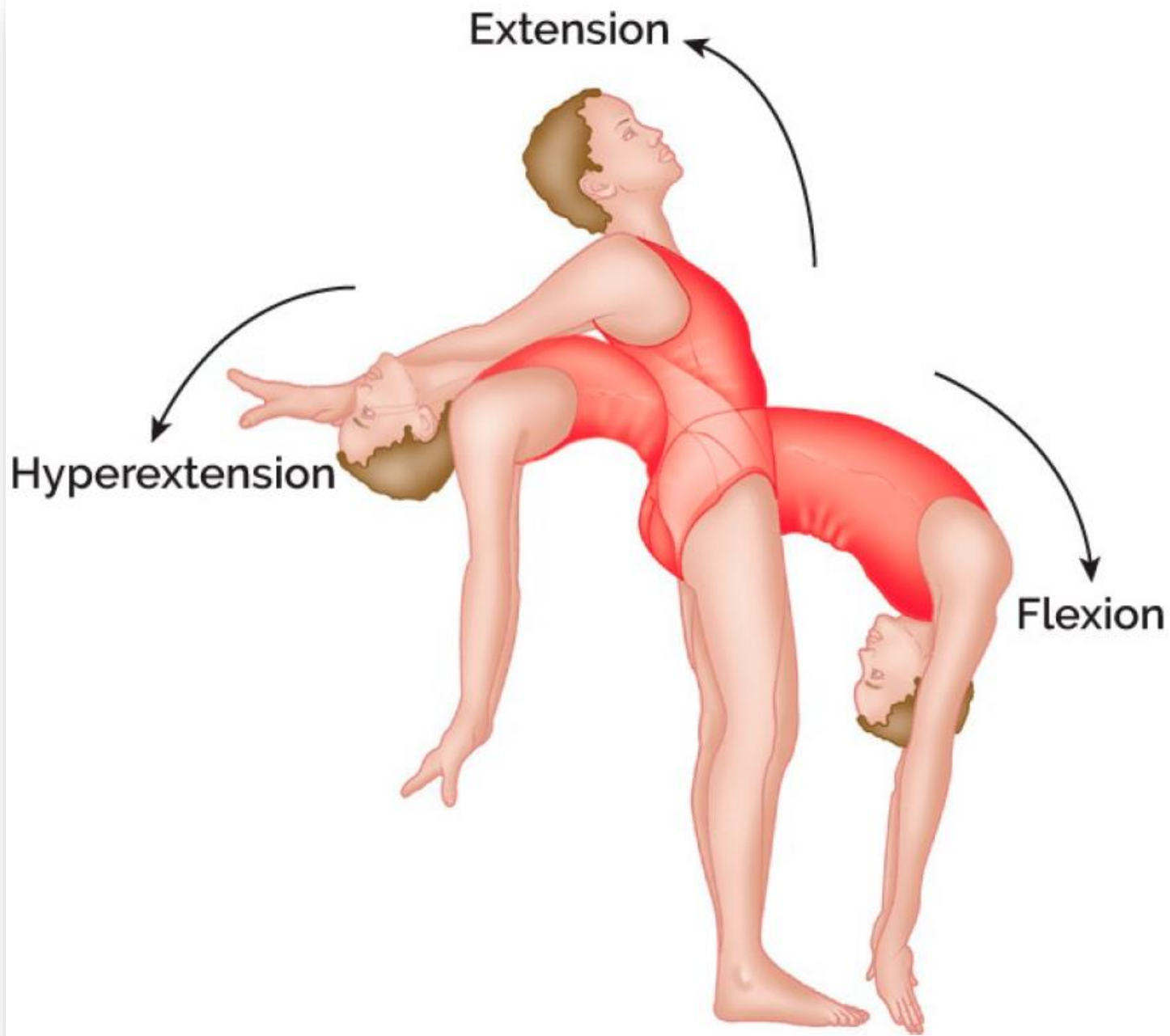
Newrologiya



Estesiologiya

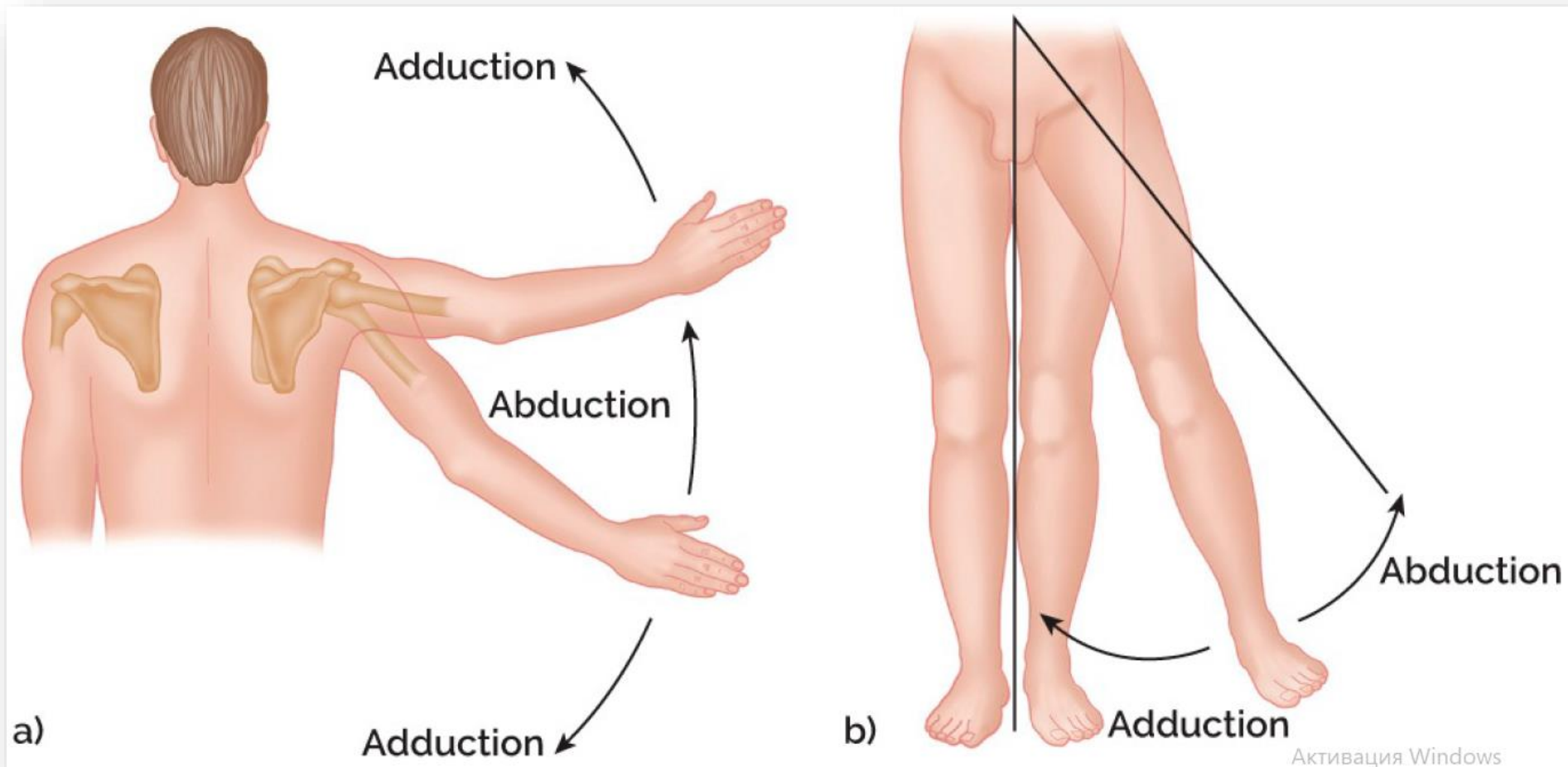


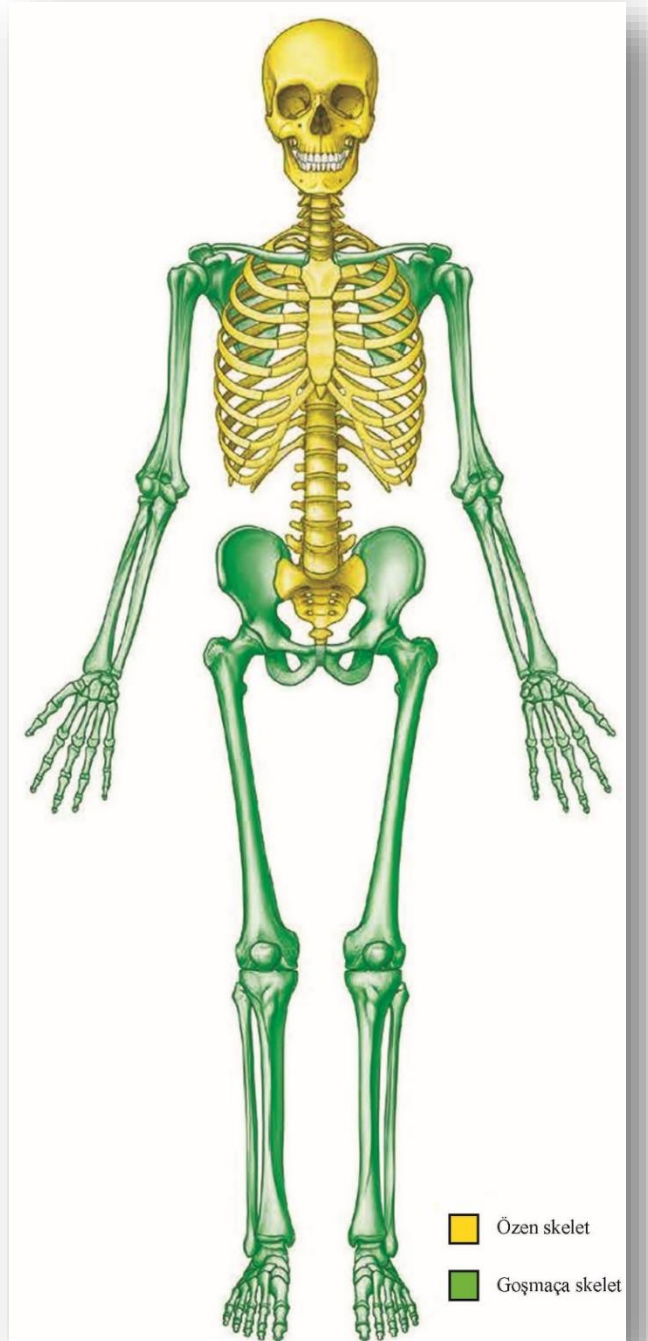
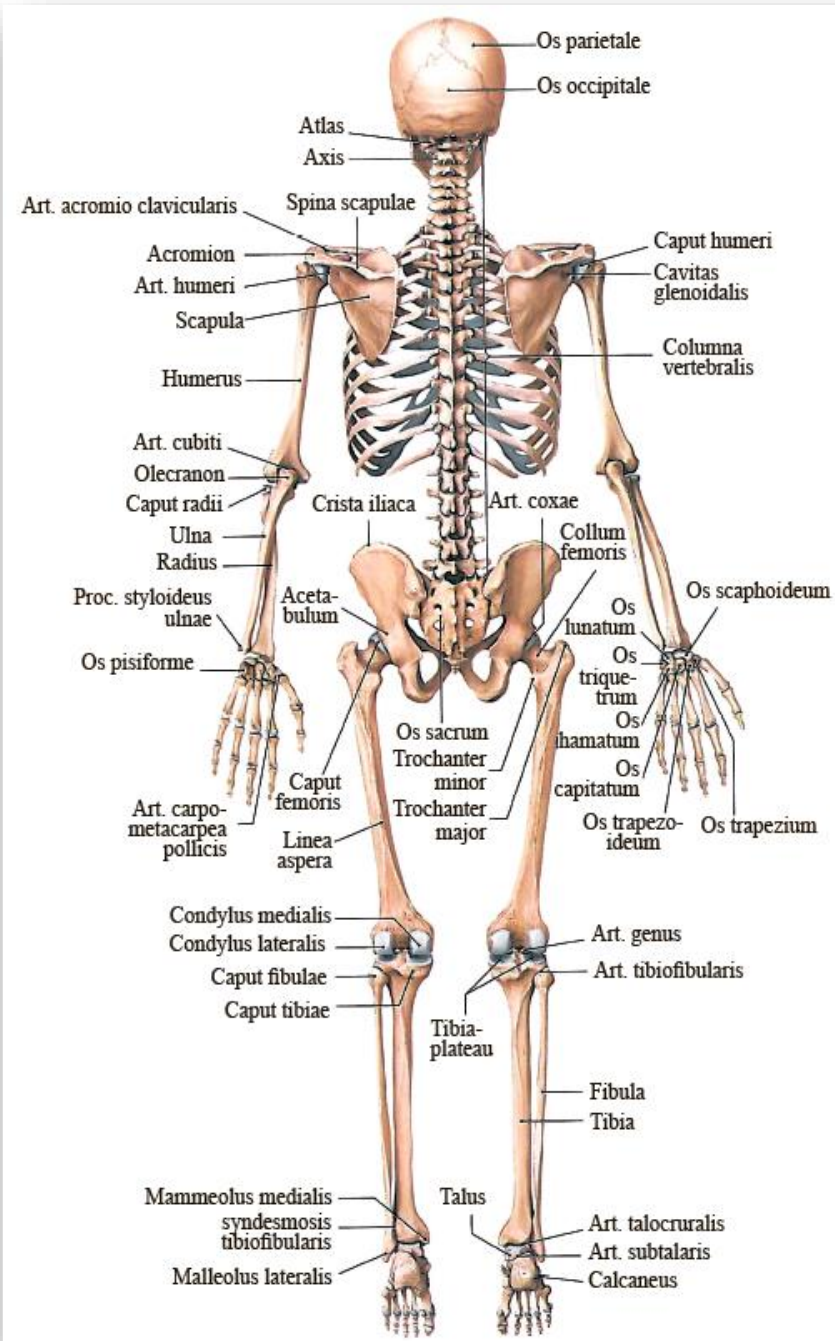
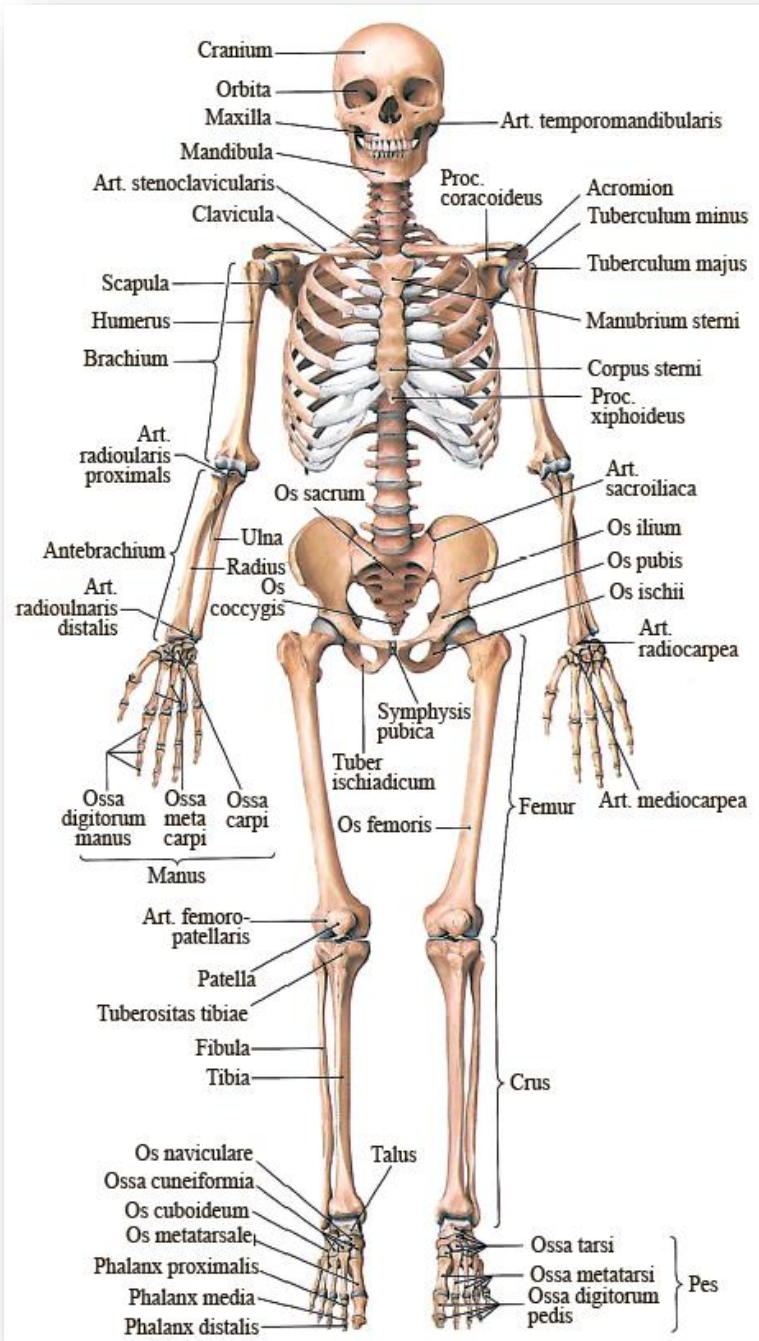
Wertikal
ok



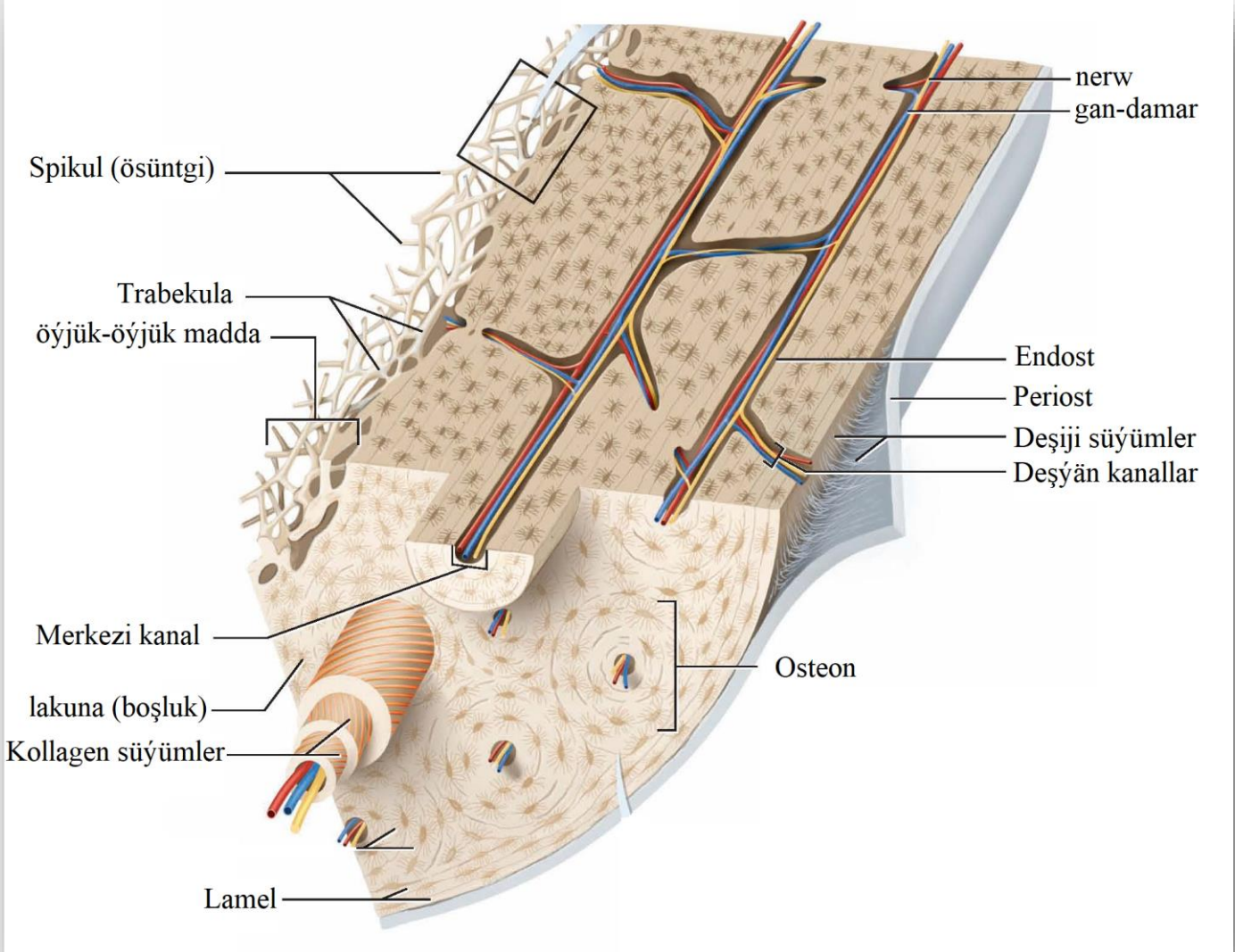
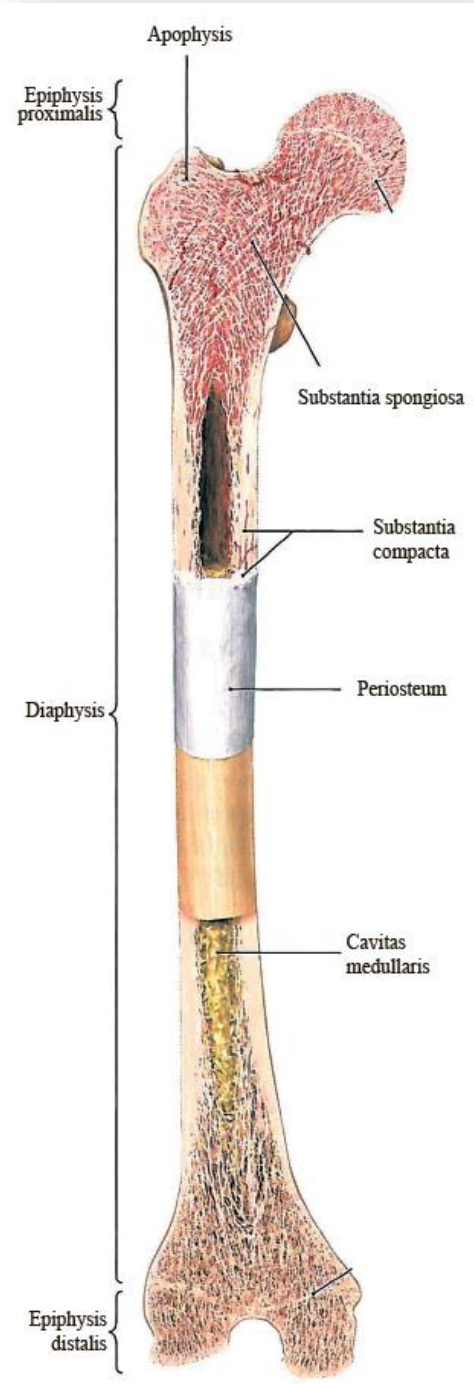
**Frontal
ok**

Sagittal ok

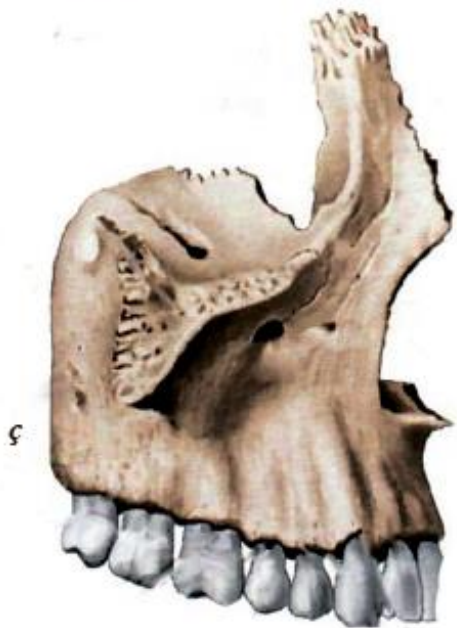
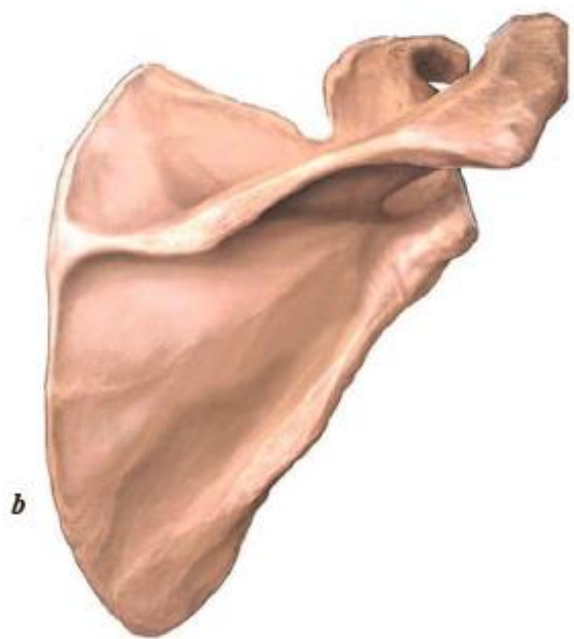




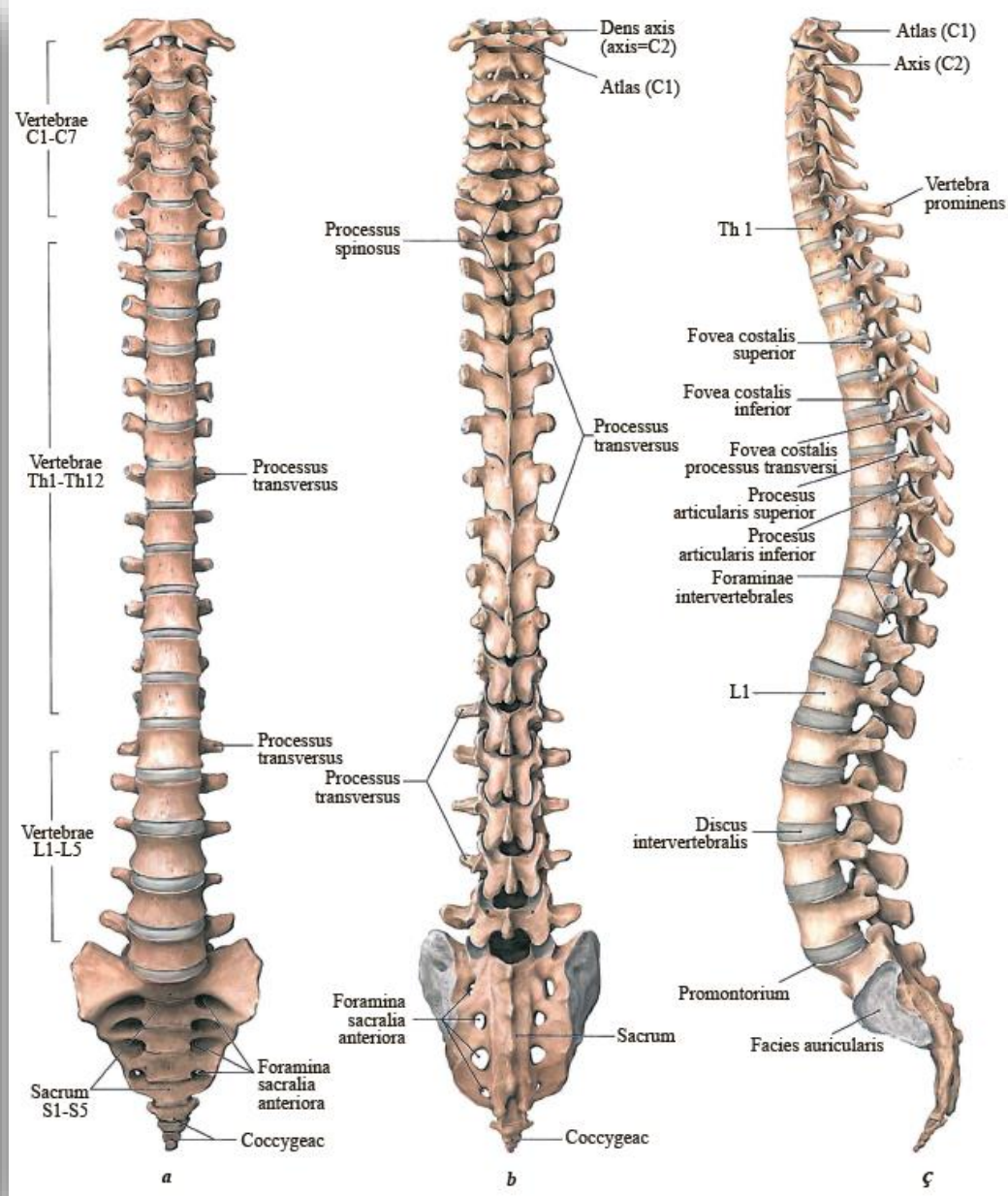
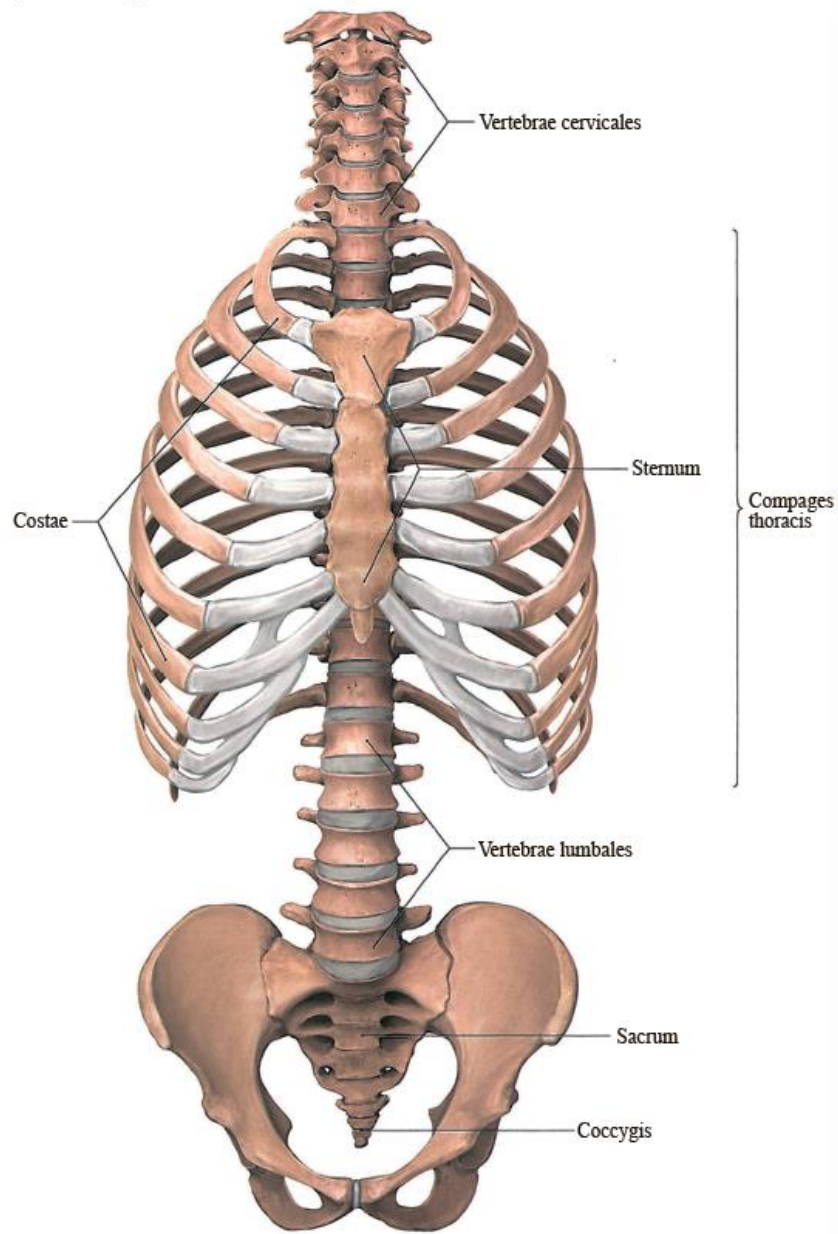
Süňküň gurluşy



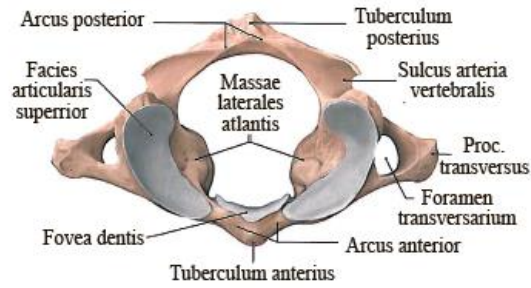
Süňkleriň görnüşleri



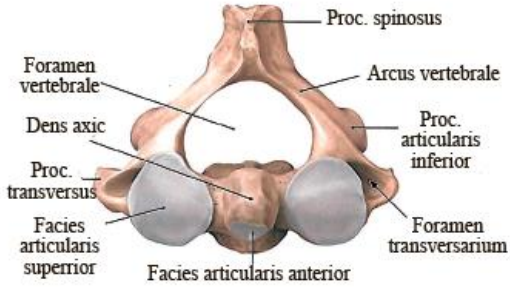
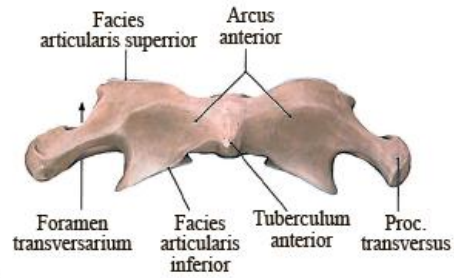
Özen skeleti we oňurga sütüni



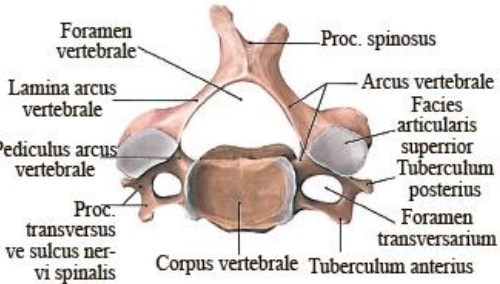
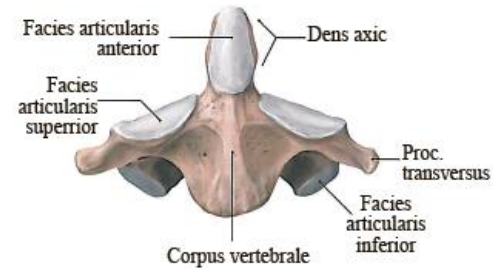
Boýun oňurgalary (vertebrae cervicales)



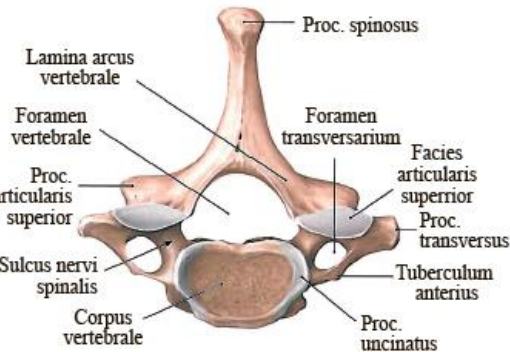
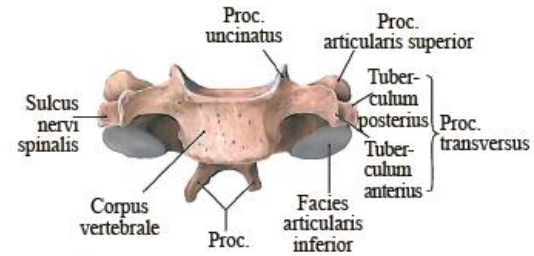
a



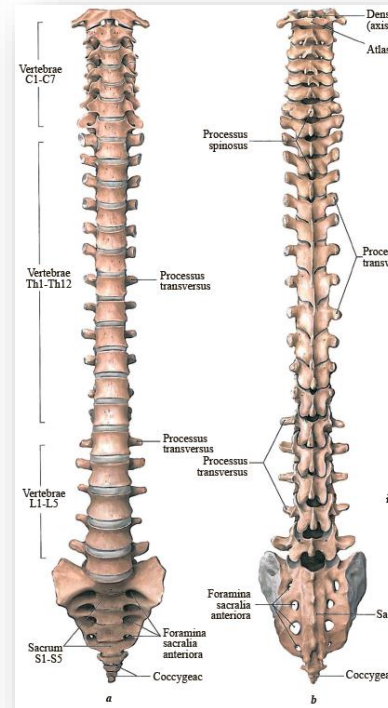
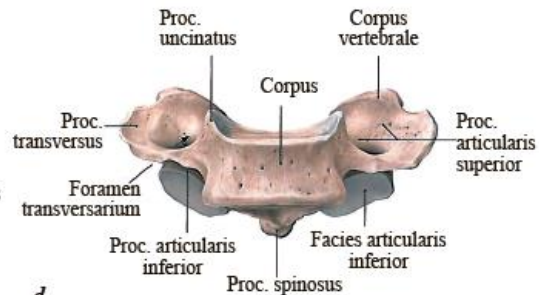
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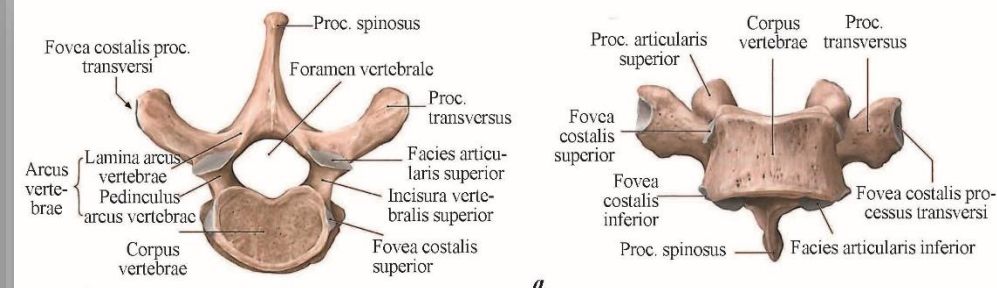
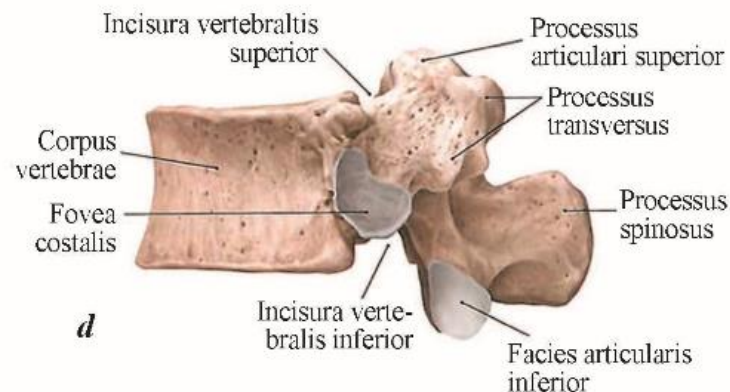
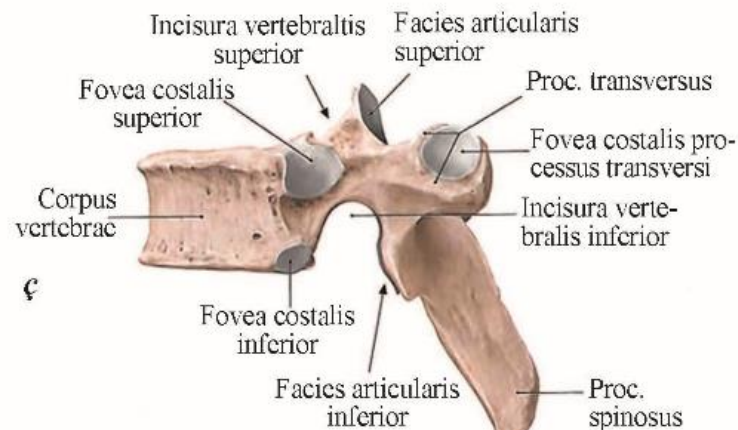
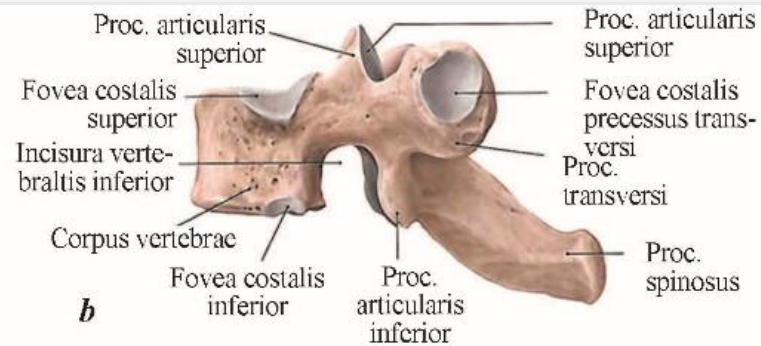
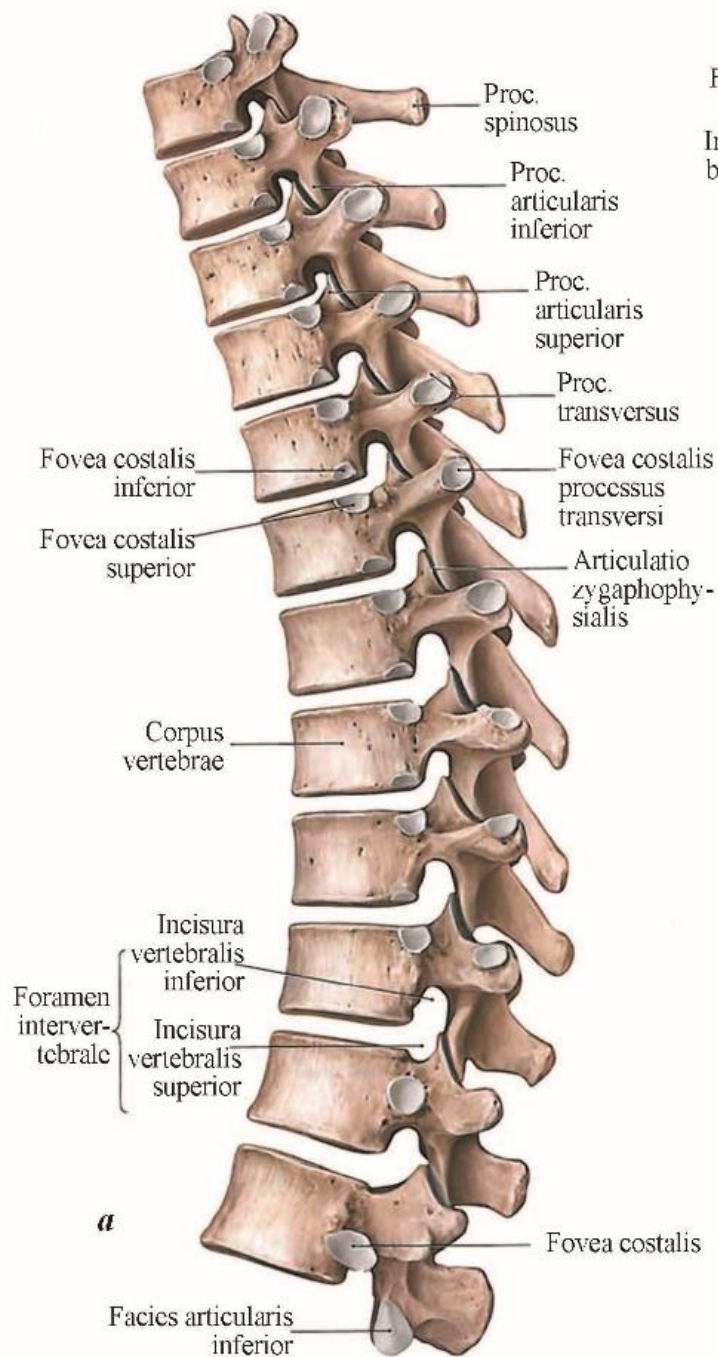
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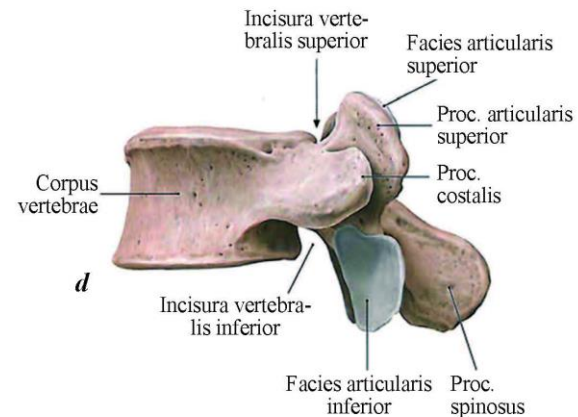
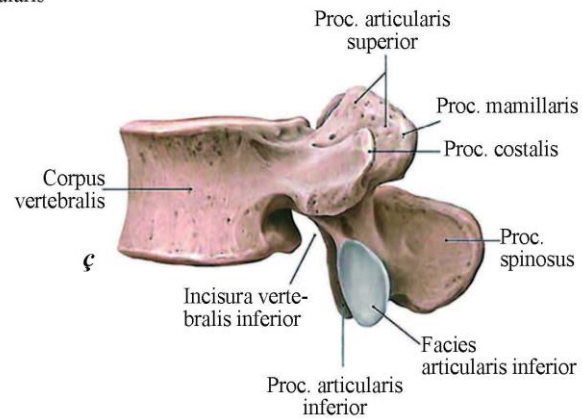
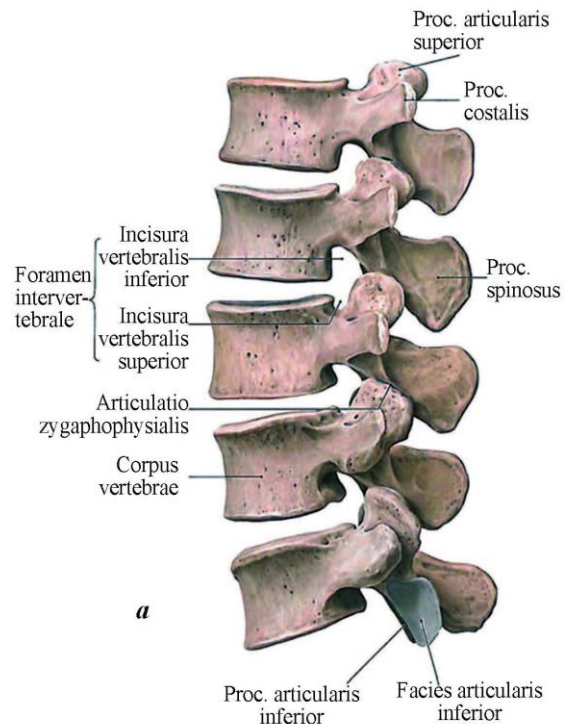
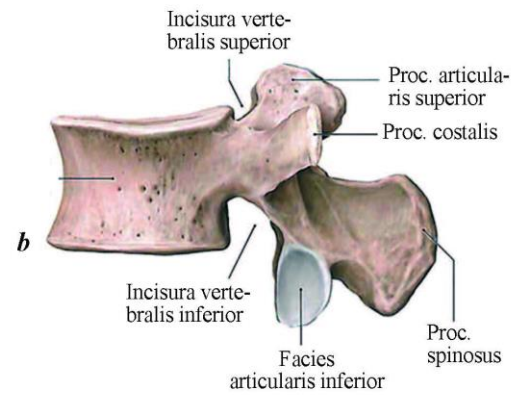
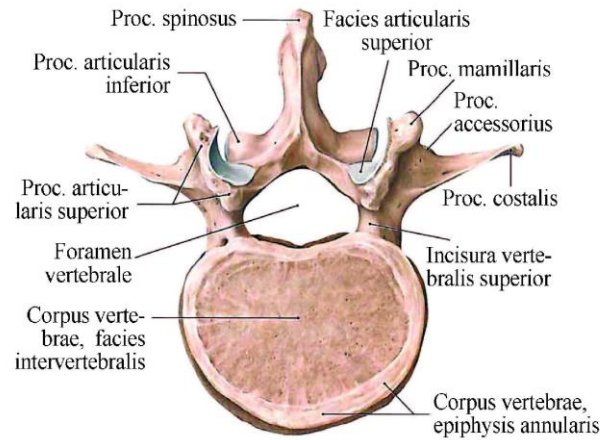
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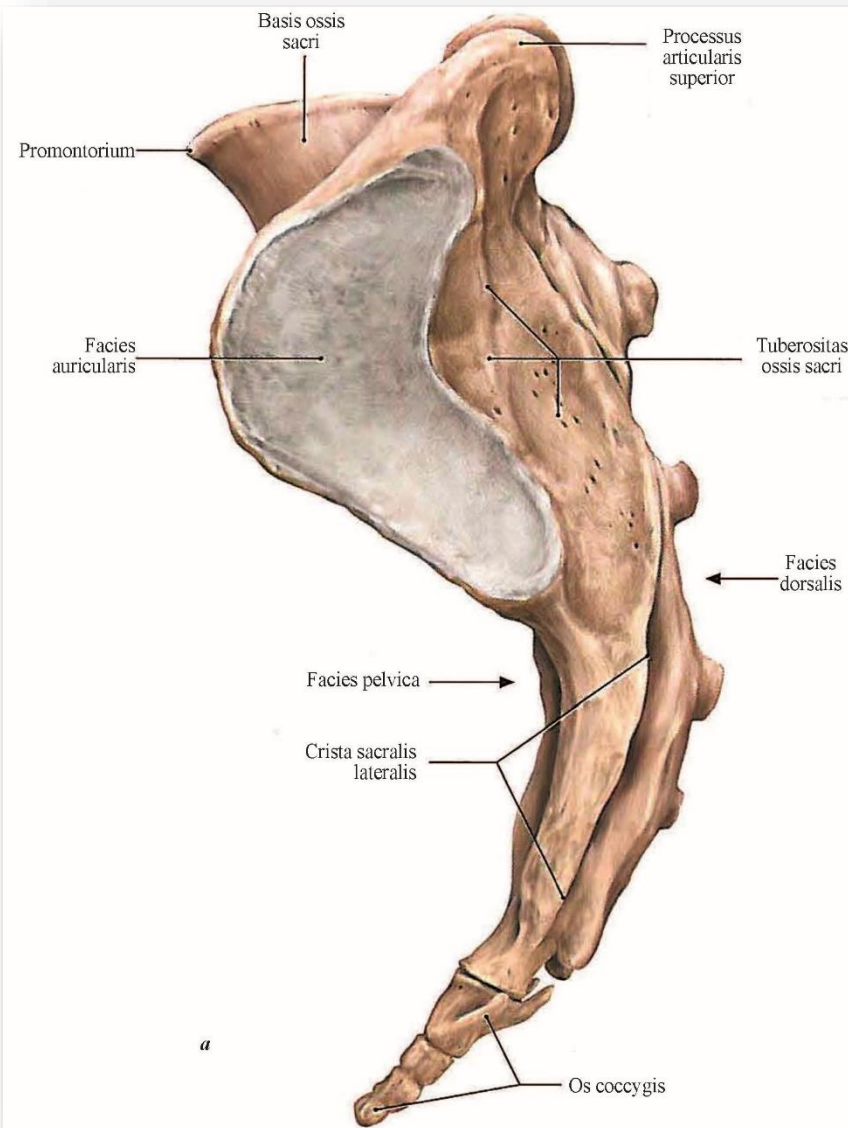
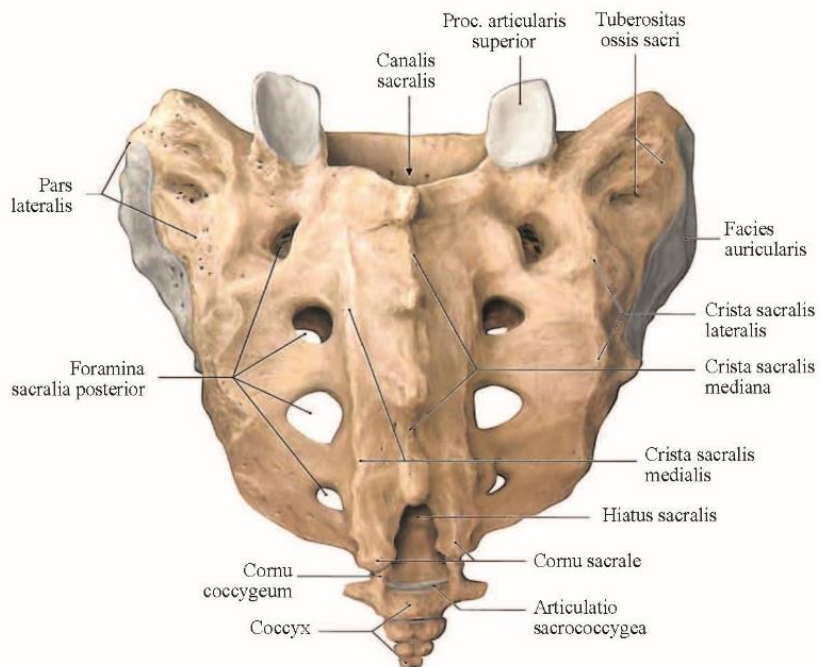
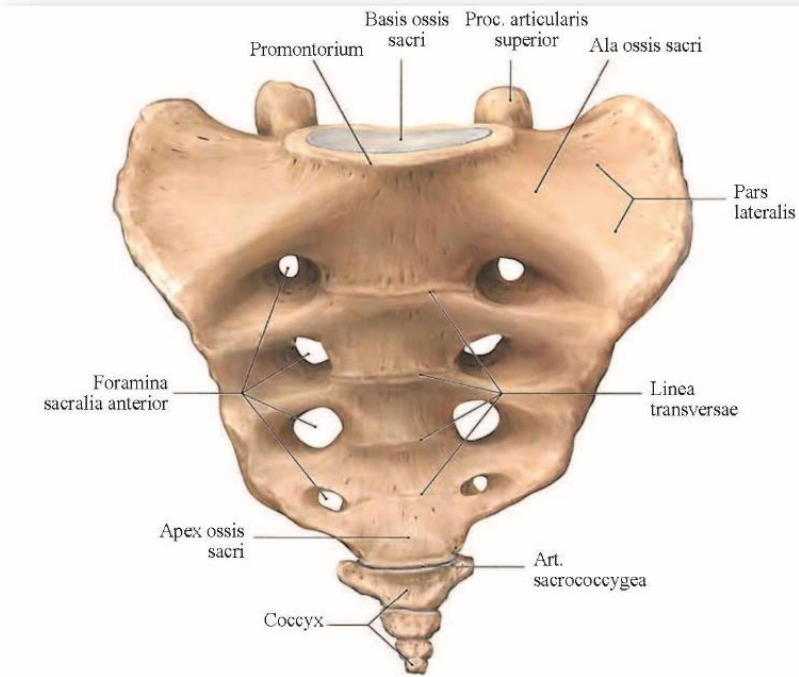
Döş oñurgalary (vertebrae thoracicae)



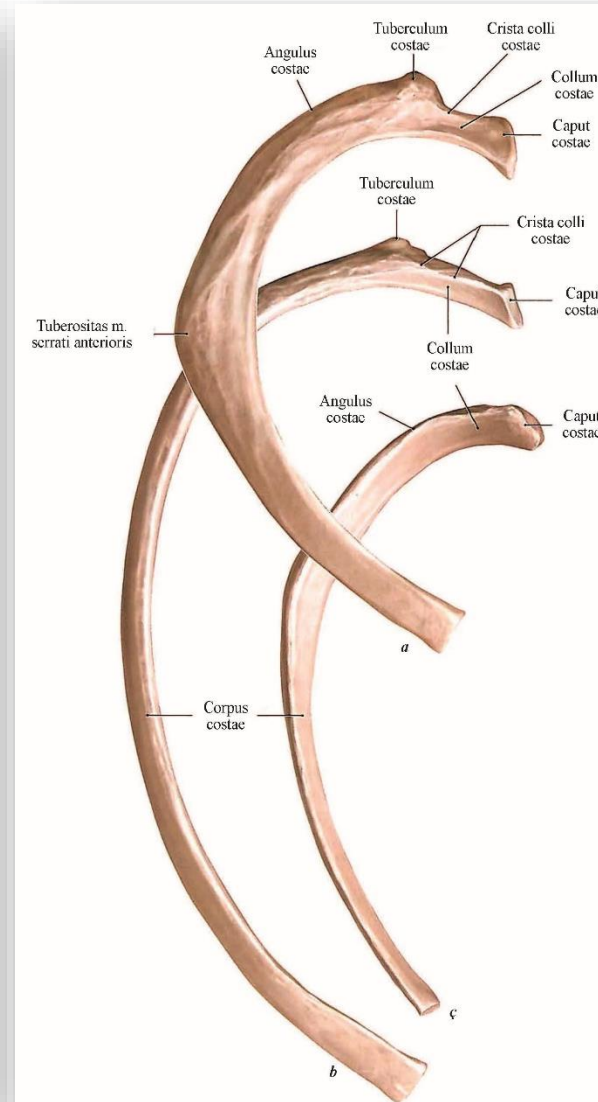
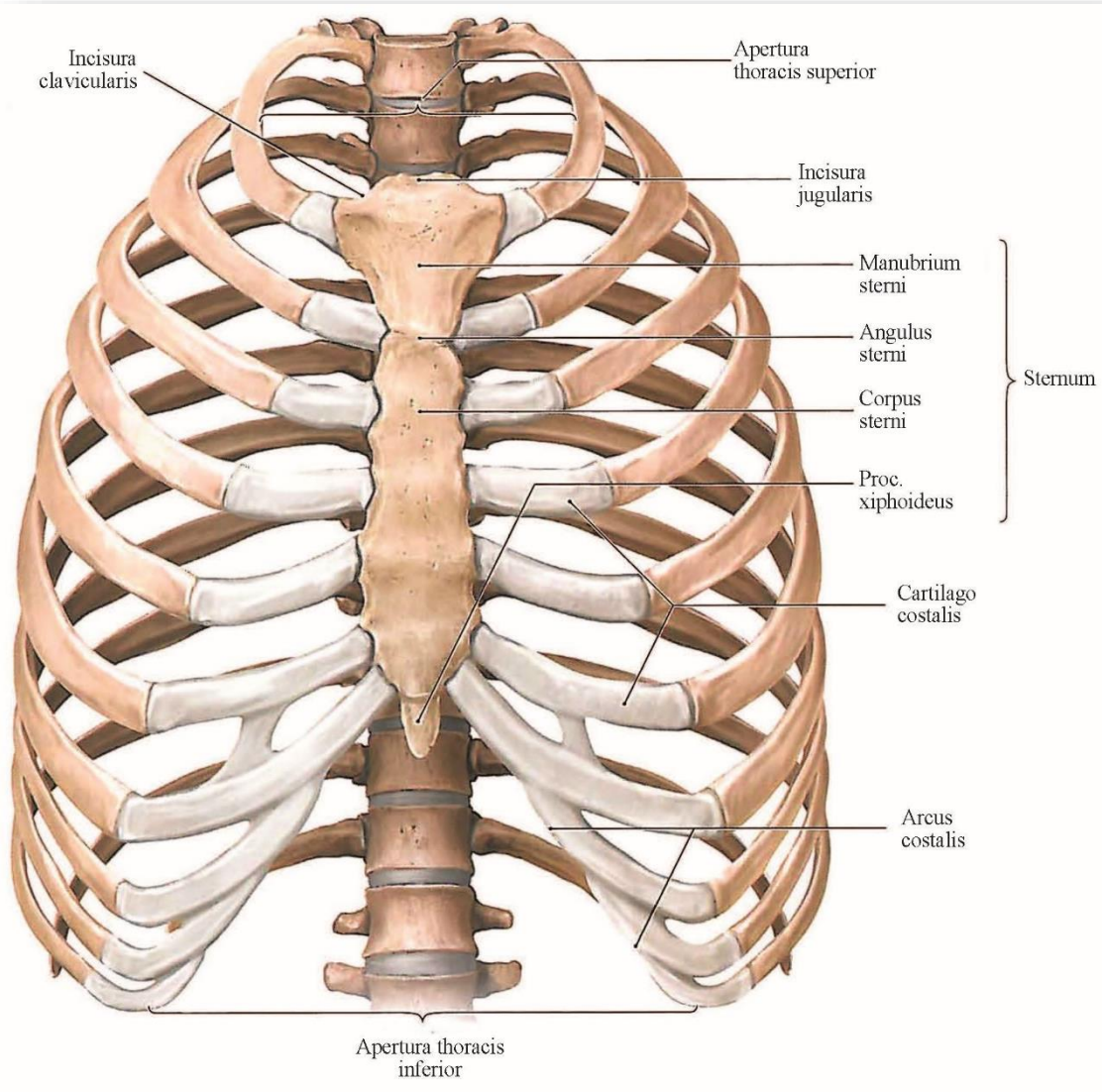
Bil oňurgalary (vertebrae lumbalis)



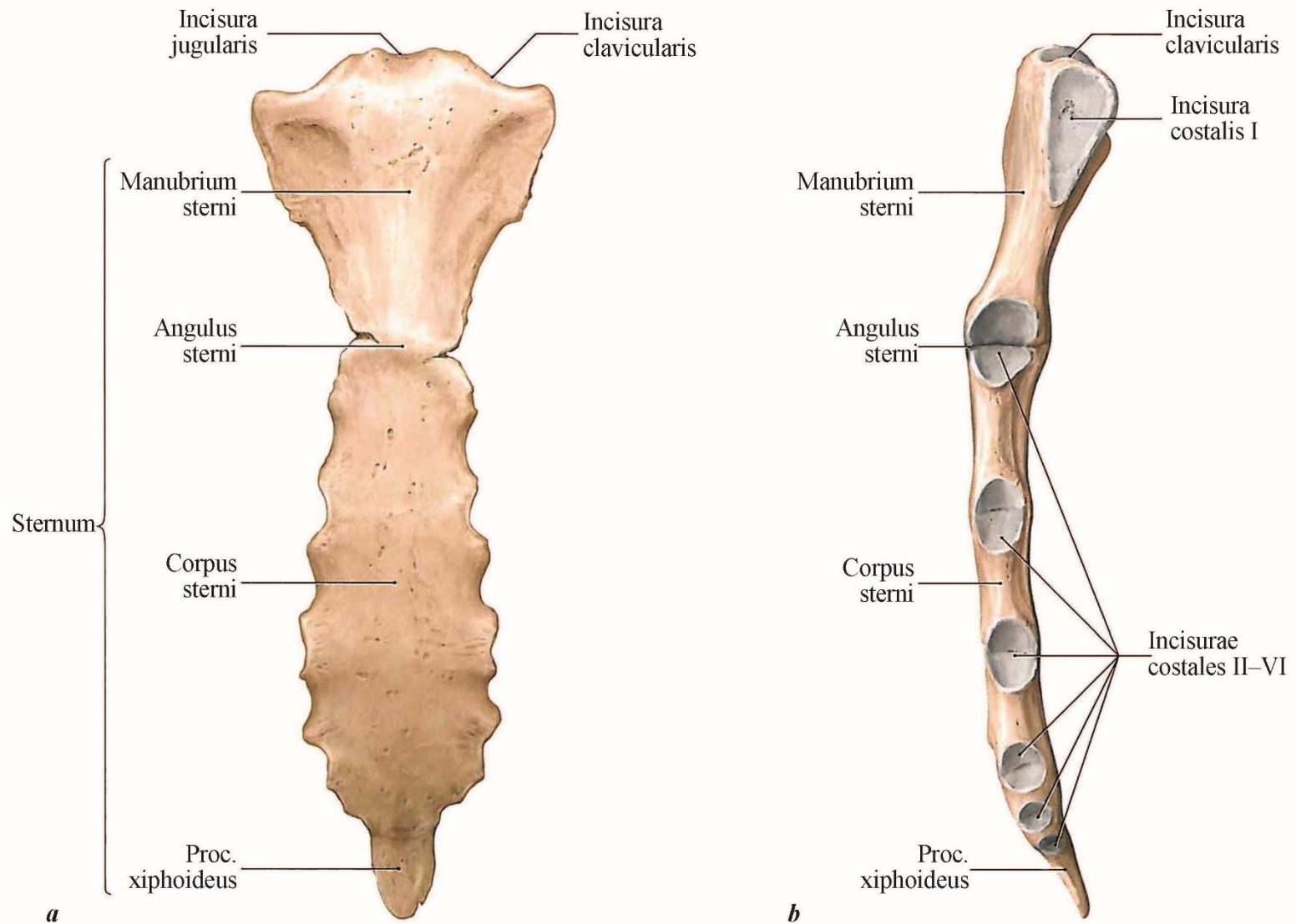
Türre süňki (os sacrum)



Gapyrgalar (os costae)



Döş süňki (os sternum)



Testler:

1. Tekizlikleriň görnüşi:

- a) sagittal, frontal we wertikal;*
- b) frontal, gorizontal we sagittal;
- ç) dik, gorizontal we frontal.

2. Oklaryň görnüşi:

- a) wertikal, sagittal we frontal;*
- b) sagittal we gorizontal;
- ç) frontal we sagittal.

3. Skeletiň bölekleri:

- a) ýokarky ahyr, aşaky ahyr we göwre skeleti;
- b) kelleçanak, göwre skeleti, ýokarky we aşaky ahyrlaryň skeleti;*
- ç) kelleçanak, ýokarky we aşaky ahyrlaryň skeleti.

4. Göwre skeletiniň düzümi:

- a) oňurga sütüni we döş kapasasy;*
- b) oňurga sütüni we döş süňki;
- ç) gapyrgalar we döş süňki.

5. Oňurga sütüniniň bölümleri:

- a) boýun, döş, bil, türre we uja;*
- b) boýun döş we bil;
- ç) döş, bil we uja.

6. Adaty oňurganyň gurluşy:

- a) bedeni, ýaýy, deşigi hem-de ösüntgileri;*
- b) bedeni, ýaýlary we ösüntgileri;
- ç) bedeni, ýaýlary we ösüntgileri.

7. Oňurganyň ösüntgileri:

- a) geriş, kese, ýokarky we aşaky bogun ösüntgileri;*
- b) geriş we kese ösüntgileri;
- ç) ýokarky we aşaky bogun ösüntgileri.

8. Boýun oňurgalarynyň sany:

- a) 6;
- b) 7;*
- ç) 8.

9. Birinji boýun oňurgasynyň gurluşy:

- a) bedeni, deşigi we ýaýlary;
- b) öňki we yzky ýaýlary, gapdal massalary, bogun üstleri;*
- ç) bedeni, ösüntgileri we dişi.

10. Ikinji boýun oňurgasynyň aýratynlygy:

- a) dişi we ösüntgileri;
- b) dişi;*
- ç) ýaýlary we ösüntgileri.

11. Döş oňurgalarynyň sany:

- a) 10;
- b) 13;
- ç) 12.*

12. Döş oňurgalarynyň gurluş aýratynlyklary:

- a) gapyrga oýlary;*
- b) goşmaça tümmüsi we ýaýlary;
- ç) gapdal massalary we ösüntgileri.

13. Bil oňurgalarynyň gurluş aýratynlyklary:

- a) bedeni äpet, ösüntgileri ýaýbaň;*
- b) bedeni kiçi, geriş ösüntgisi ýapgyt;
- ç) emzik görnüşli tümmüjiginiň bolmagy.

14. Türräniň bölekleri:

- a) esasy, uýy, öňki we yzky üstleri we deşikleri, kanaly;*
- b) esasy, uýy, öňki we yzky üstleri;
- ç) öňki we yzky üstleri we deşikleri, kanaly.

15. Döş kapasasynyň süňkleri:

- a) 12 sany döş oňurgasy, döş süňki;
- b) 12 jübüt gapyrga we 12 sany döş oňurgasy;
- ç) döş süňki, 12 jübüt gapyrga we 12 sany döş oňurgasy.*

- **Ulanylan edebiýatlar:**

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10. Привес.М.Г Анатомия человека, М. 1985г.
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Diñläniñiz üçin köp sagboluñ!