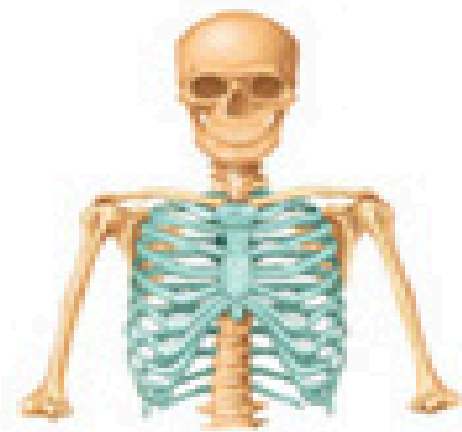


Respiratory 2

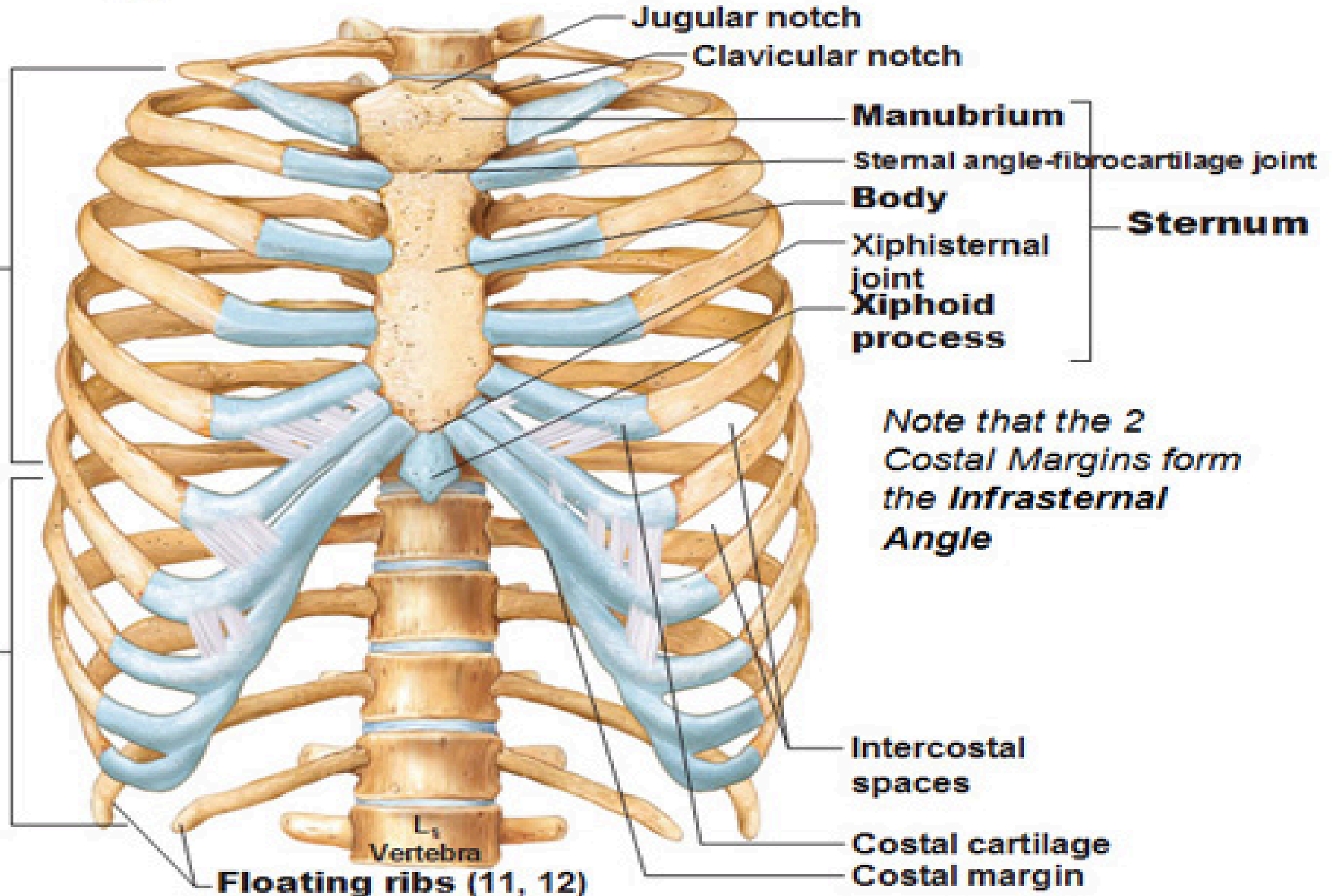
The Thoracic Cage: Anterior view



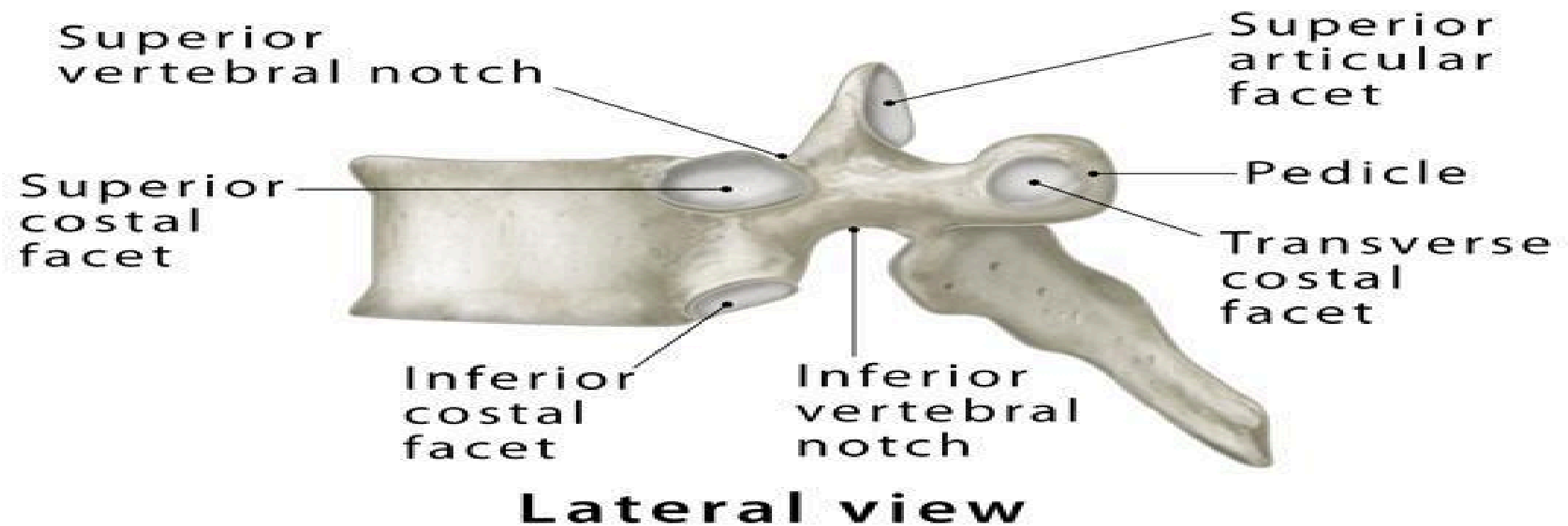
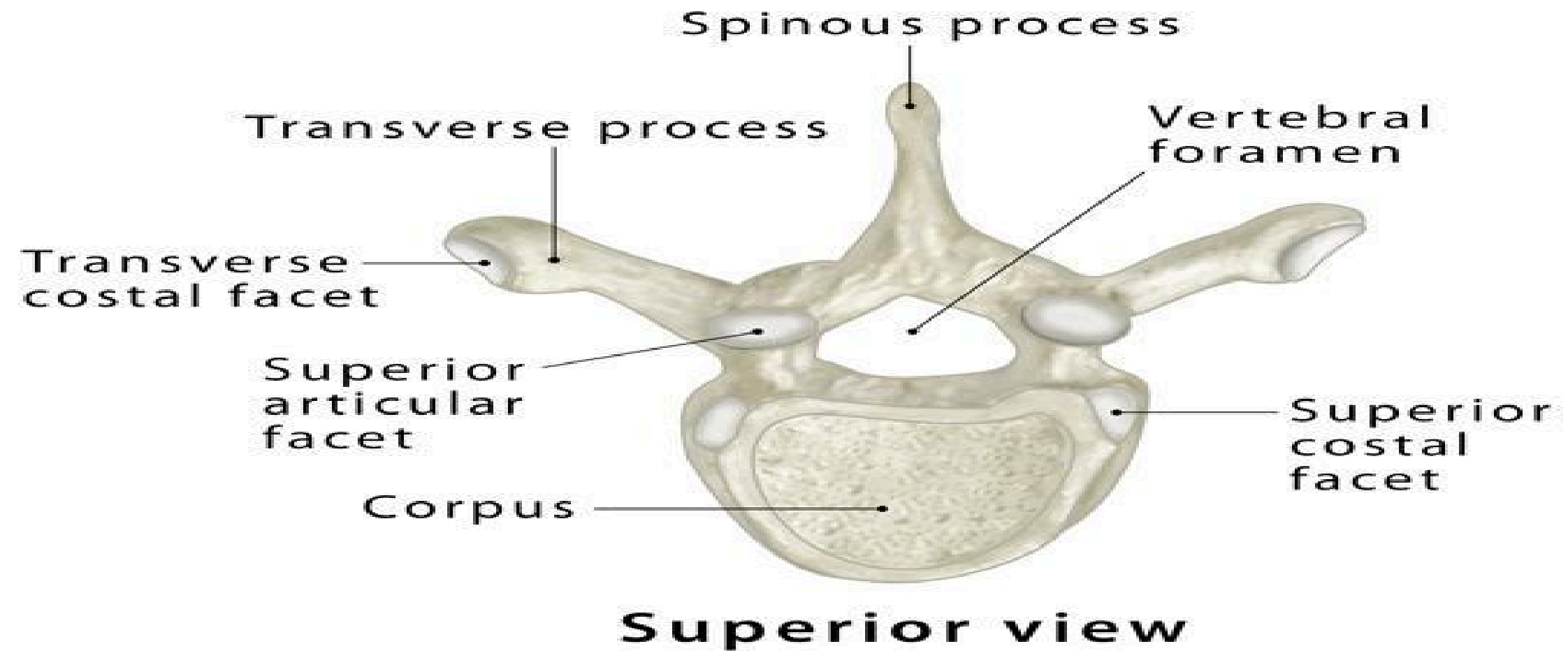
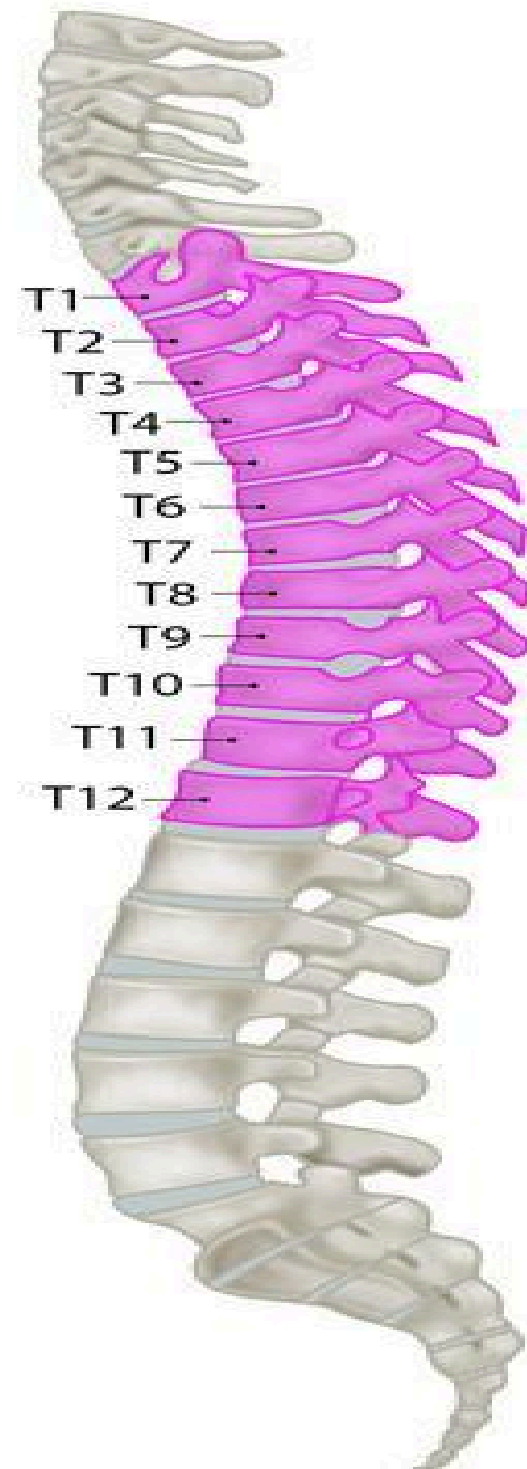
True ribs (1-7)

Note that ribs run anteroinferiorly
Note how Rib 1 is flattened.

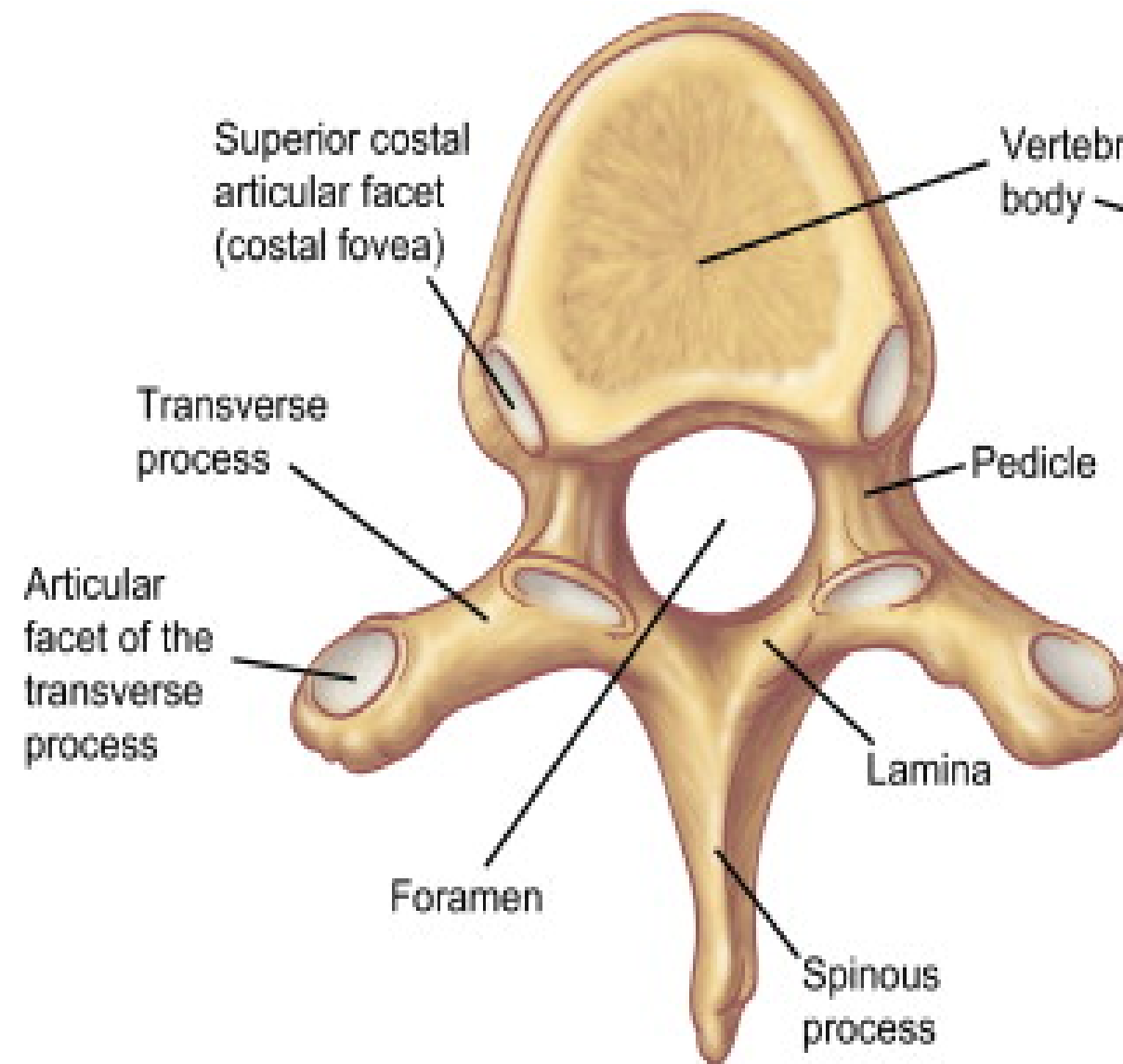
False ribs (8-12)



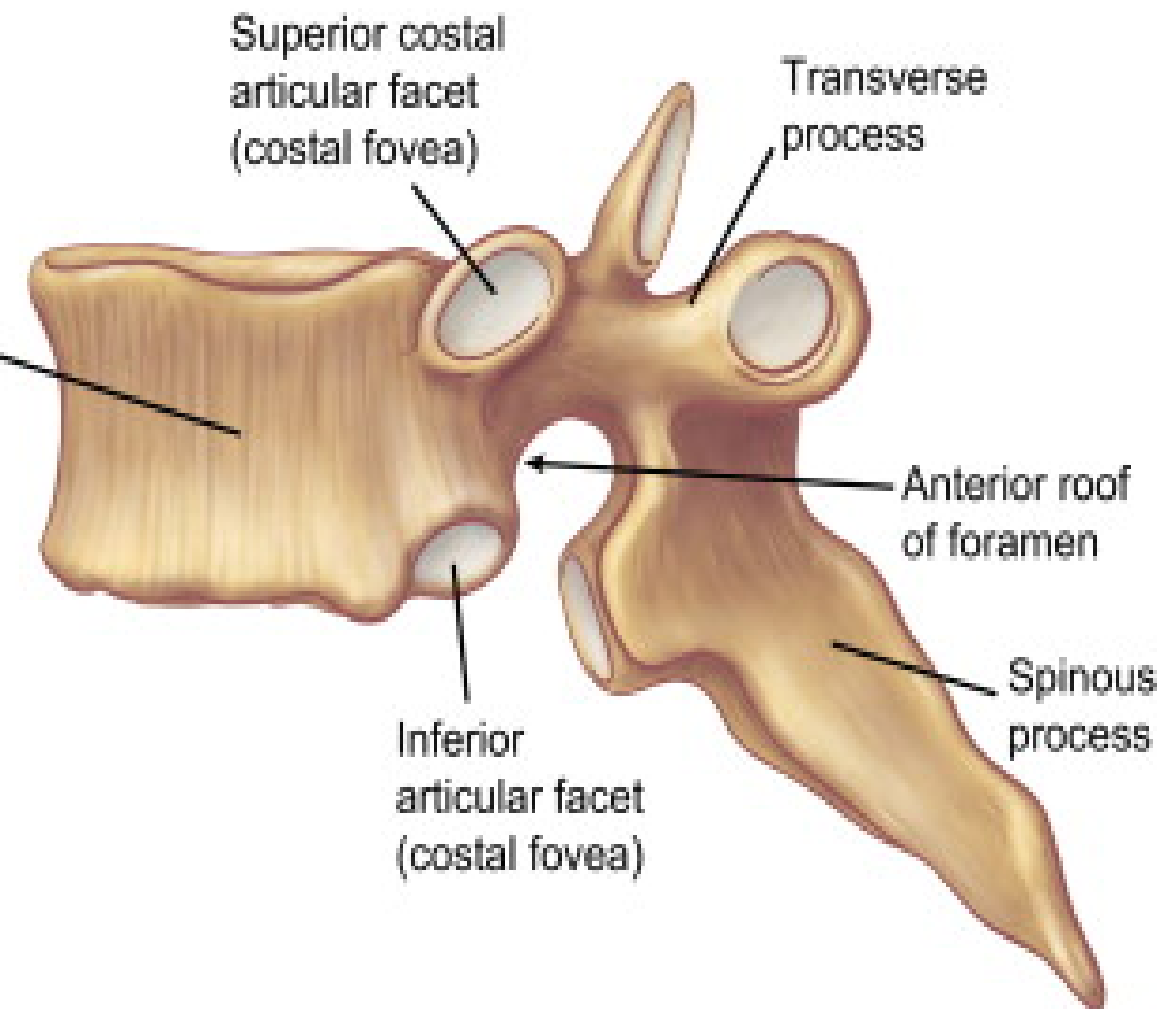
Thoracic Vertebrae



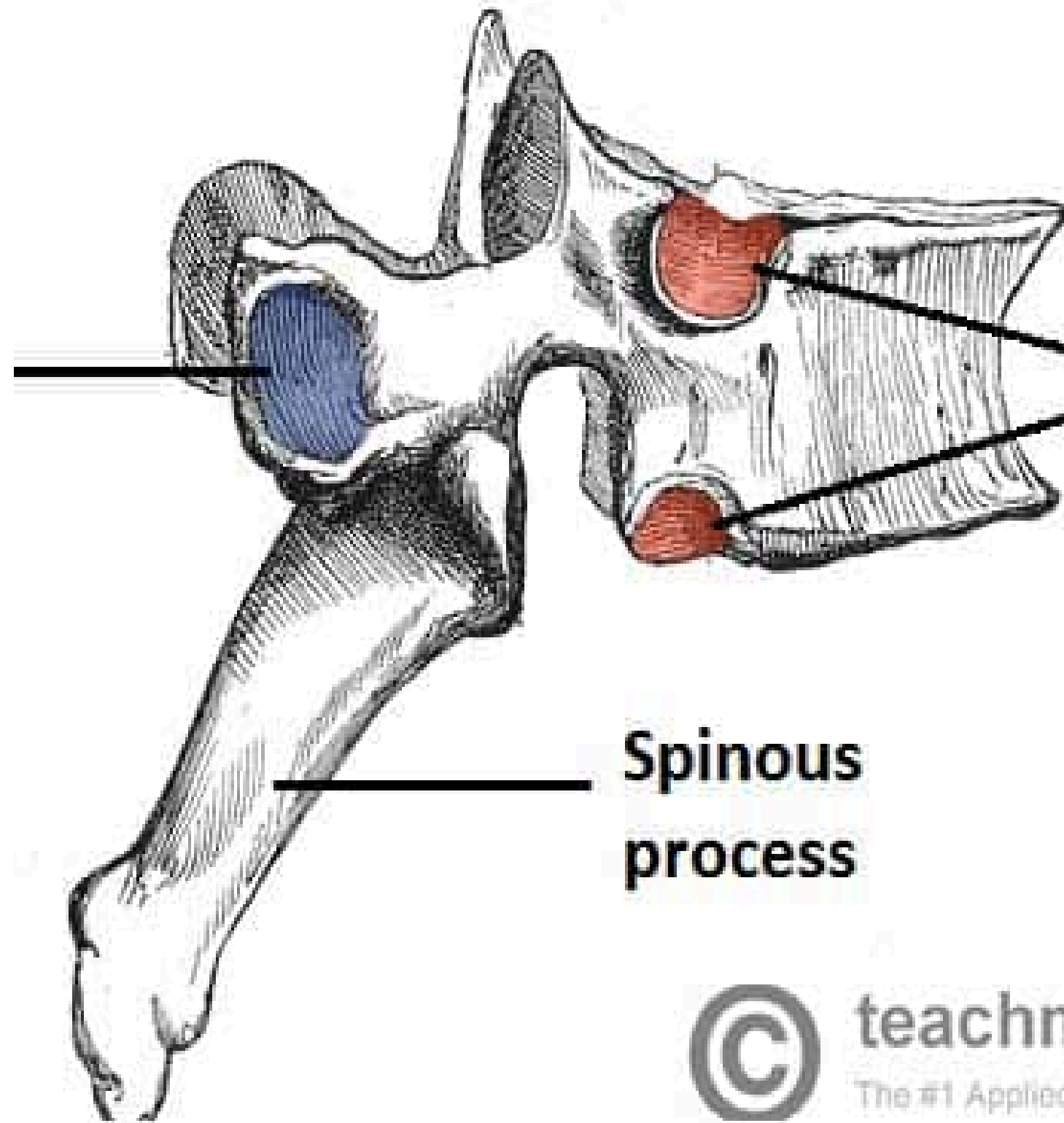
Thoracic vertebra, superior view



Thoracic vertebra, lateral view

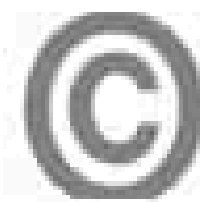


Costal facet



Demi-facets

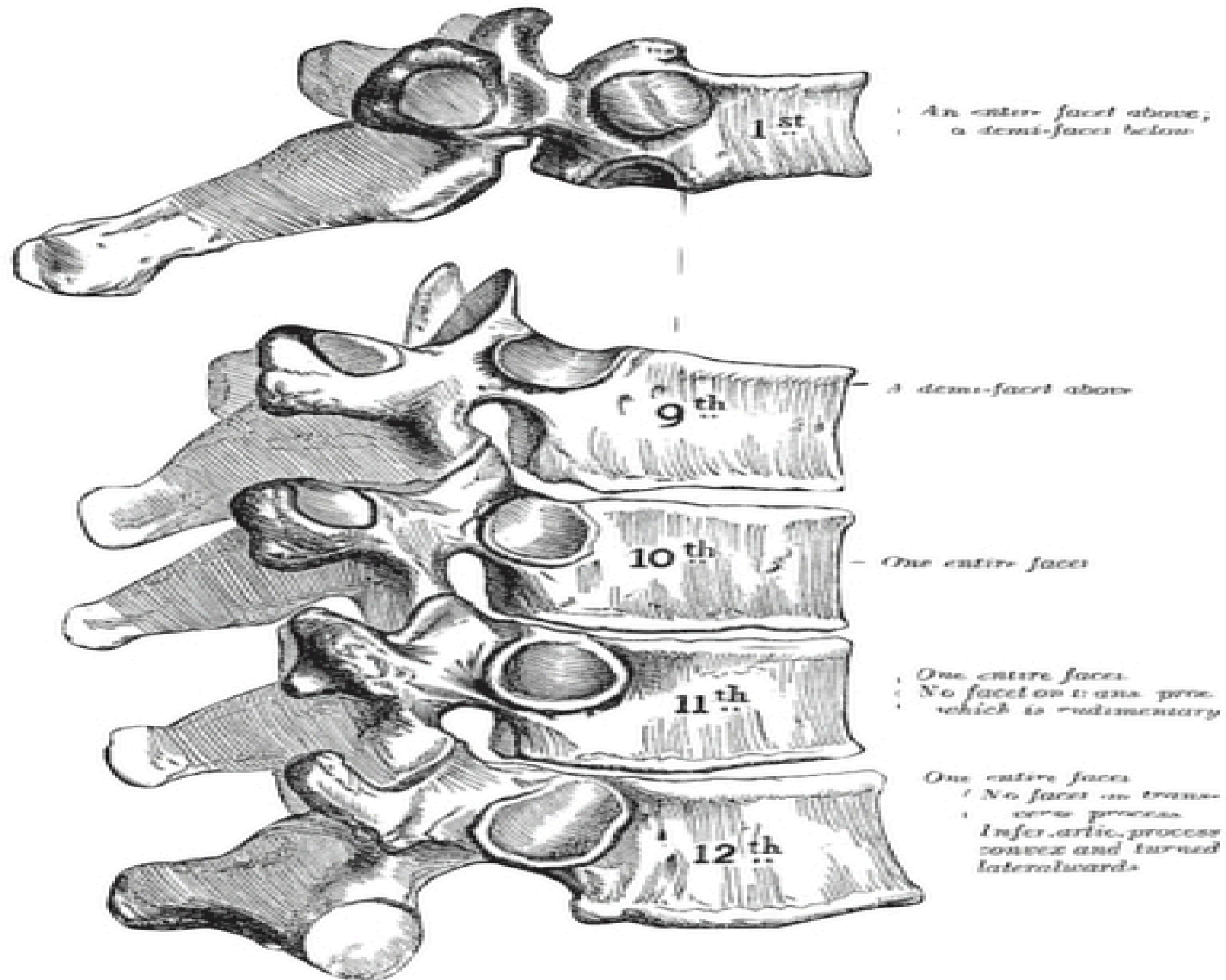
**Spinous
process**



teachmeanatomy

The #1 Applied Human Anatomy Site on the Web.

Atypical thoracic vertebrae



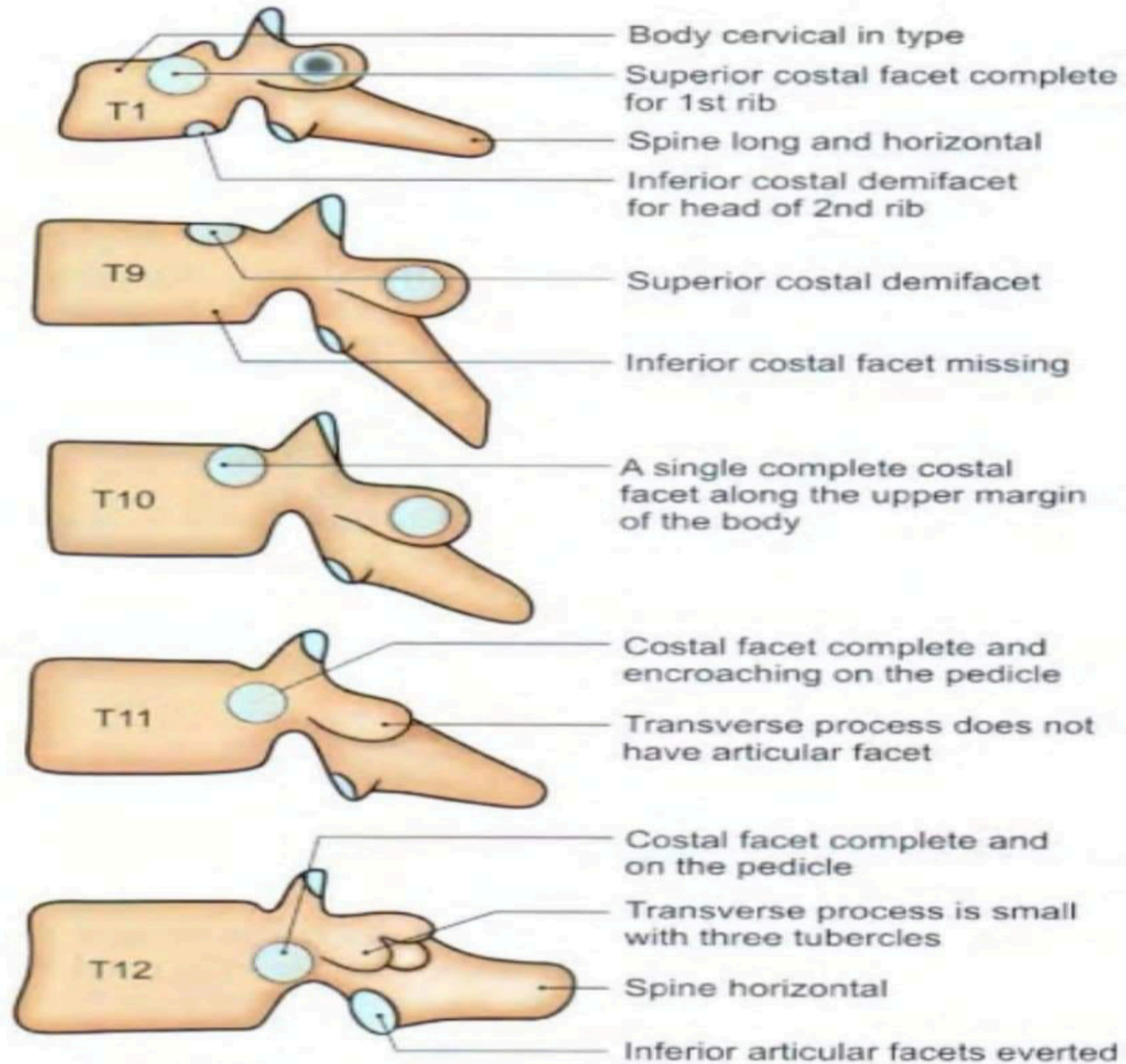
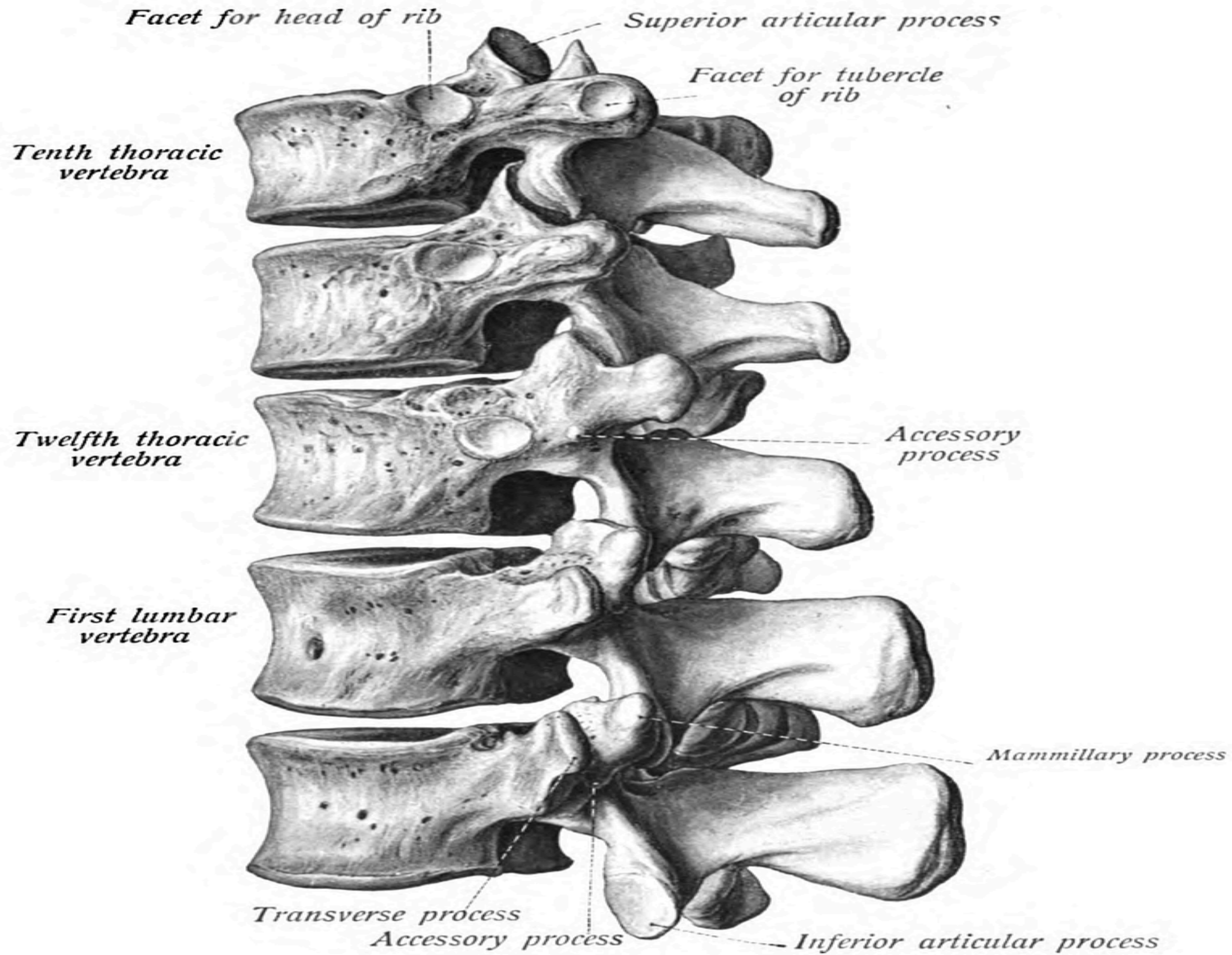
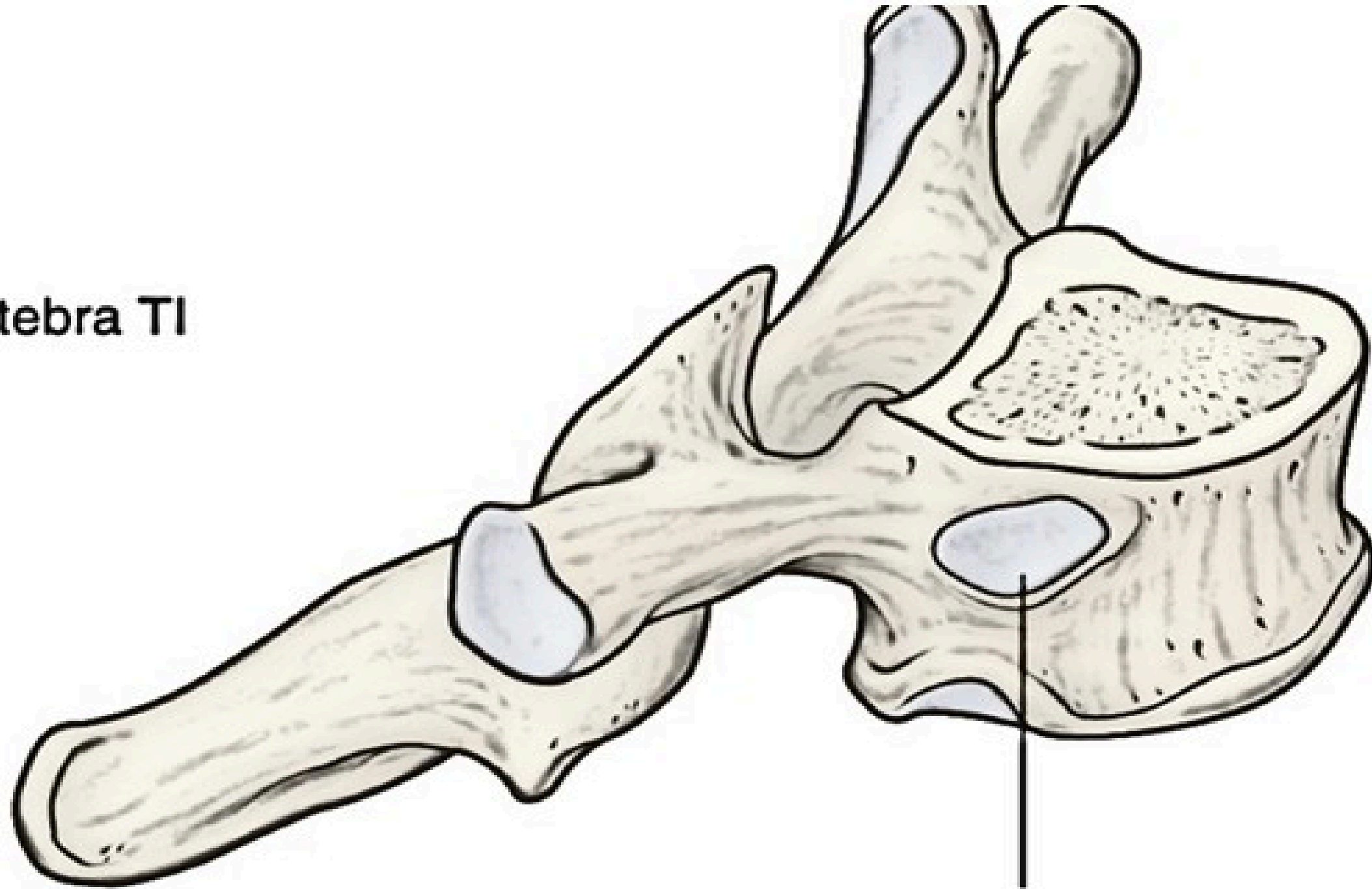


Fig. 13.21: Features of atypical thoracic vertebrae

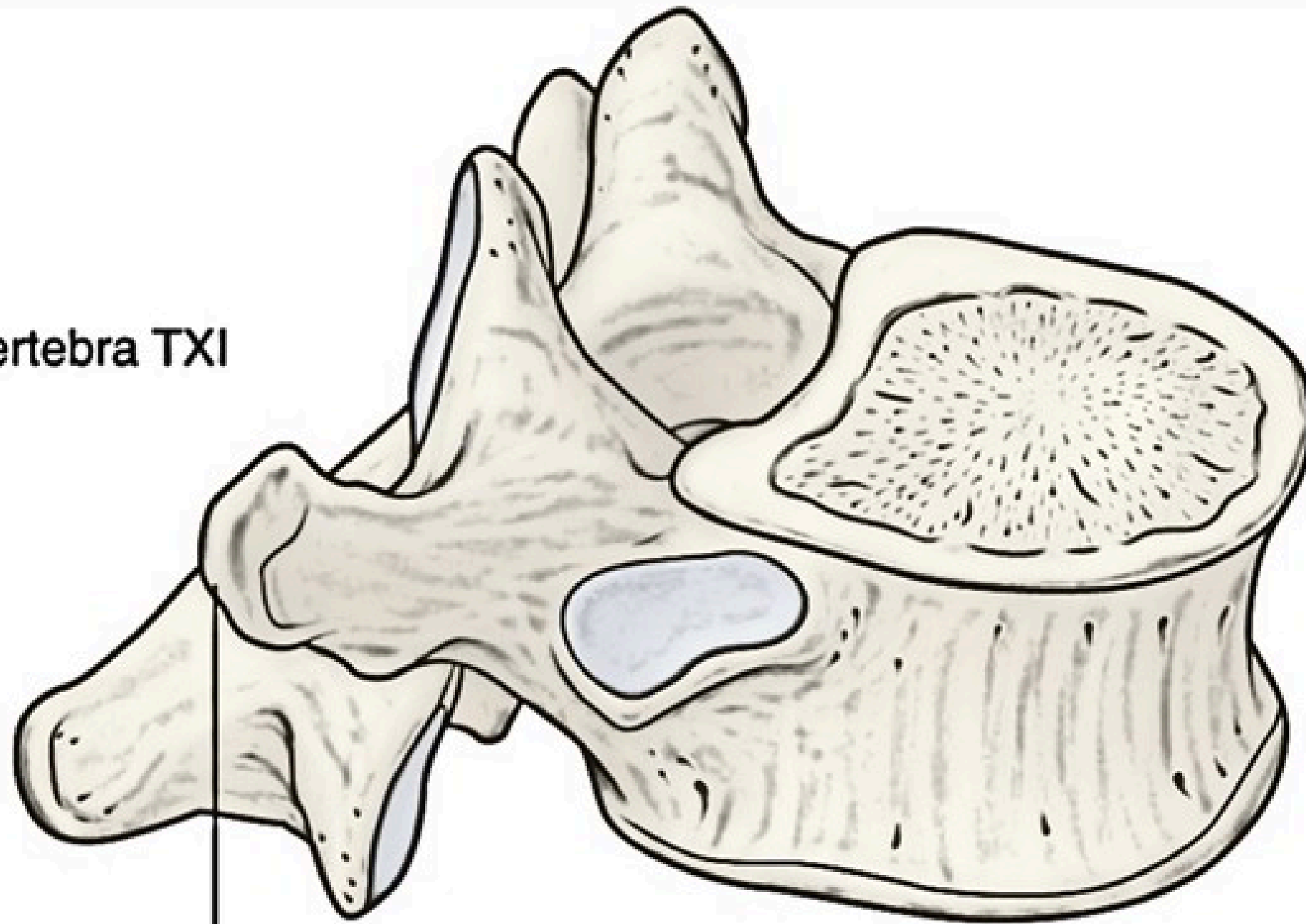


Vertebra T1

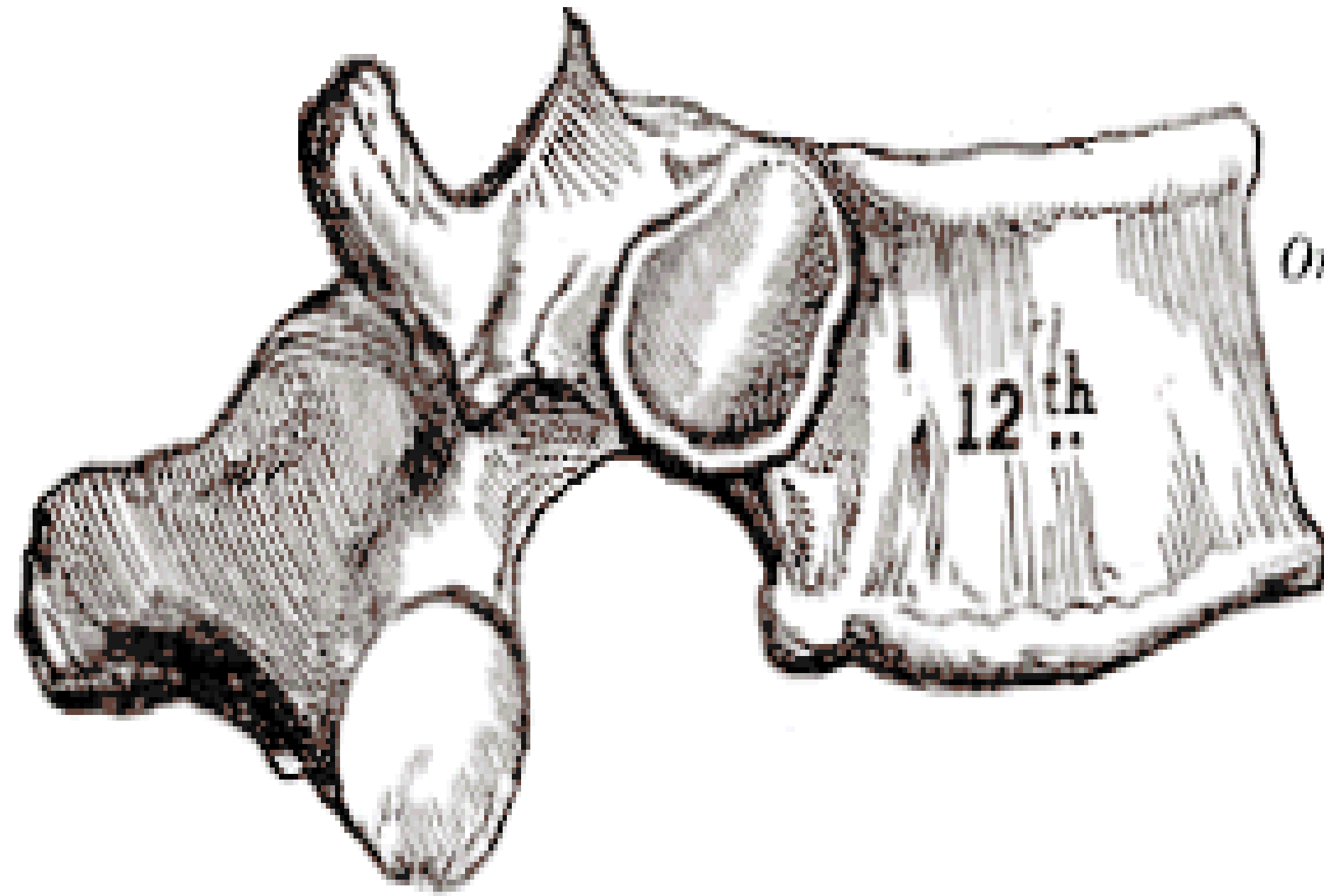


Superior costal facet for head of rib 1

Vertebra TXI



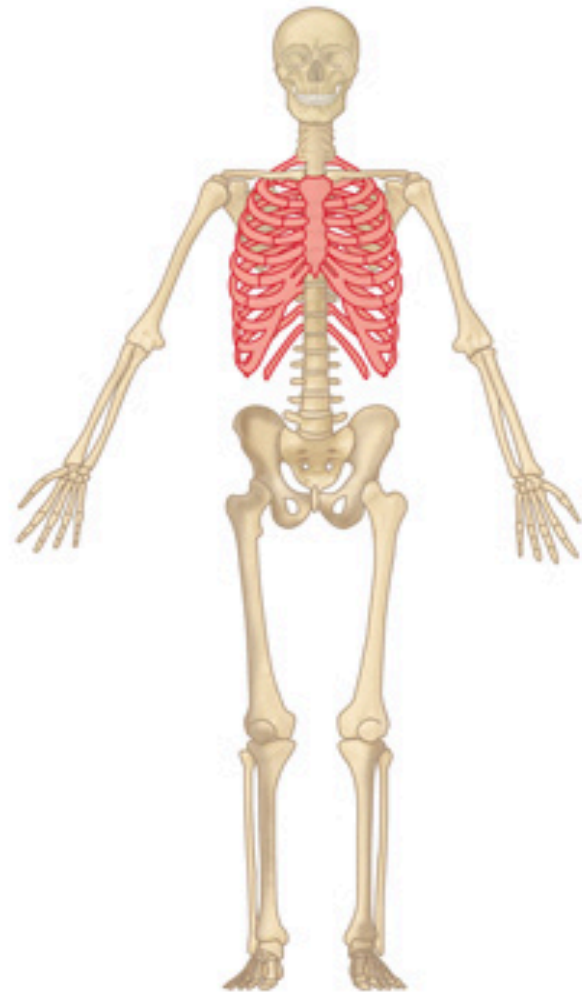
No costal facet on transverse process



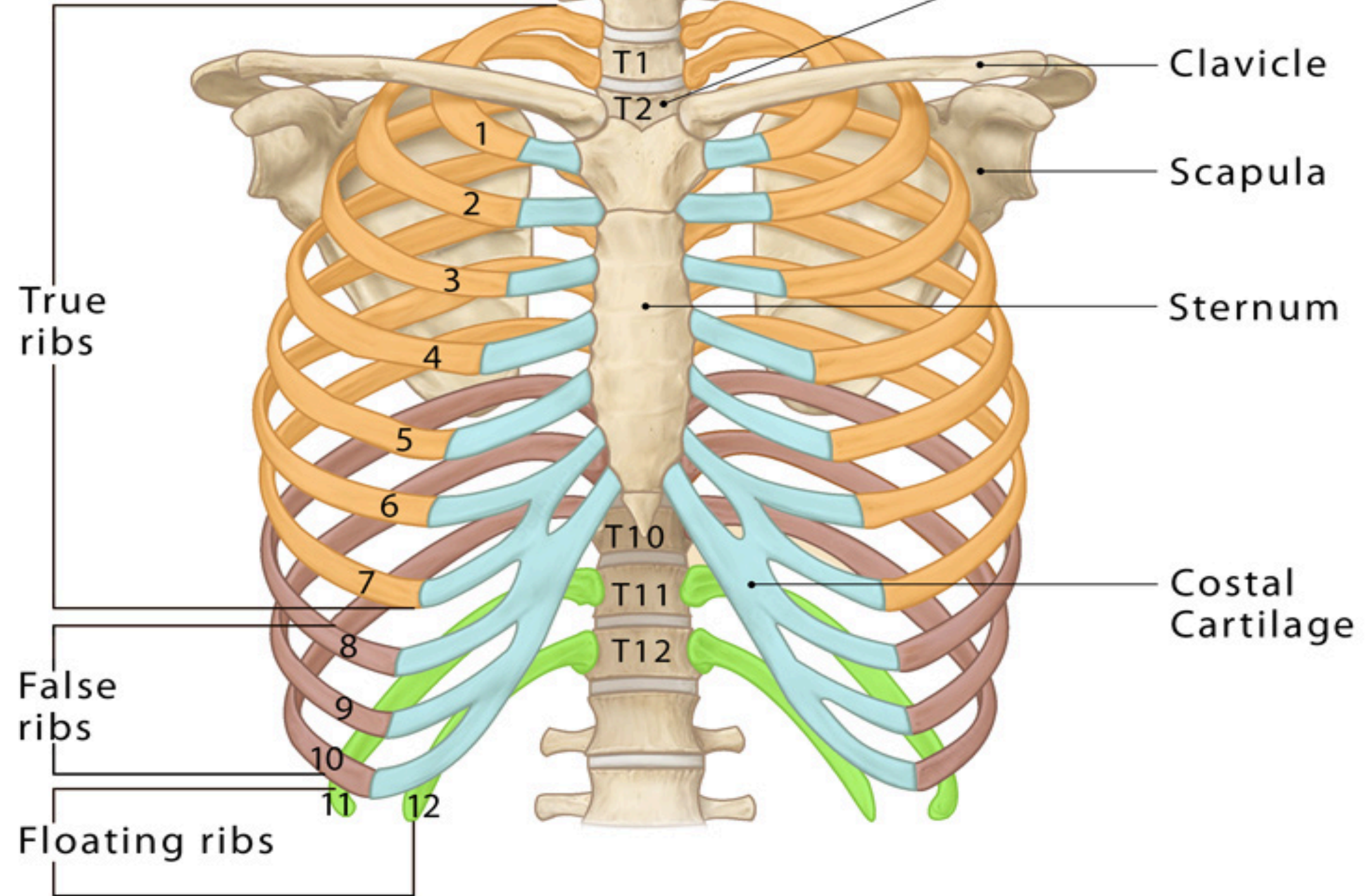
One entire facet.

*(No facet on trans-
verse process,
Infer. artic. process
convex and turned
lateralwards*

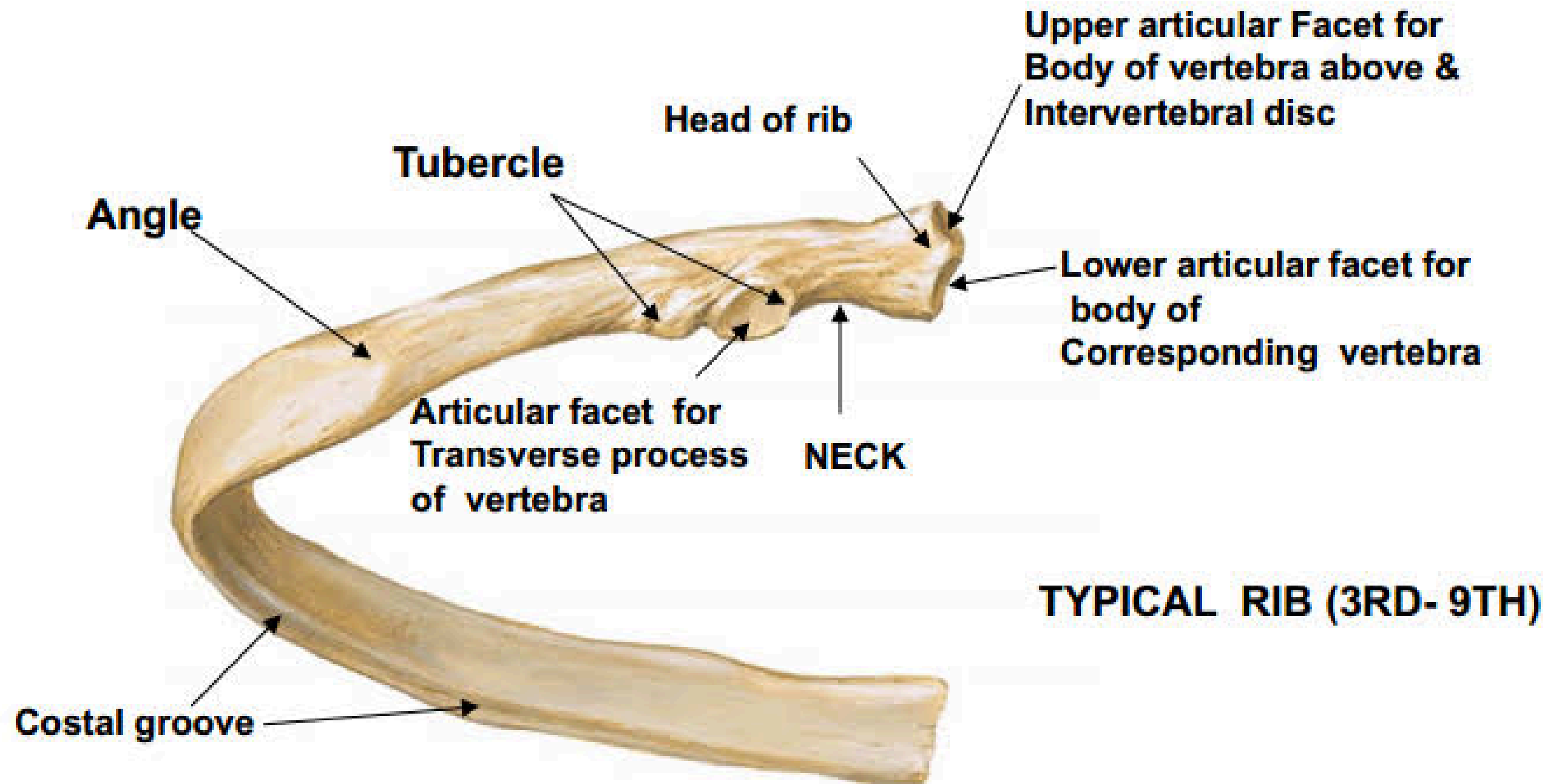
Rib Bones



Ribs



Typical Rib



Costovertebral joints:

Participants
in joint
of head
of rib

Body of vertebra
superior to rib
Intervertebral disc
Head of rib (crest)
Body of vertebra
of same number
as rib

Costo-
transverse
joint

Tubercle of rib
Transverse process
of vertebra of same
number as rib 7
Axis of rib rotation

Elevation

7th rib

Depression

Superior
articular facets

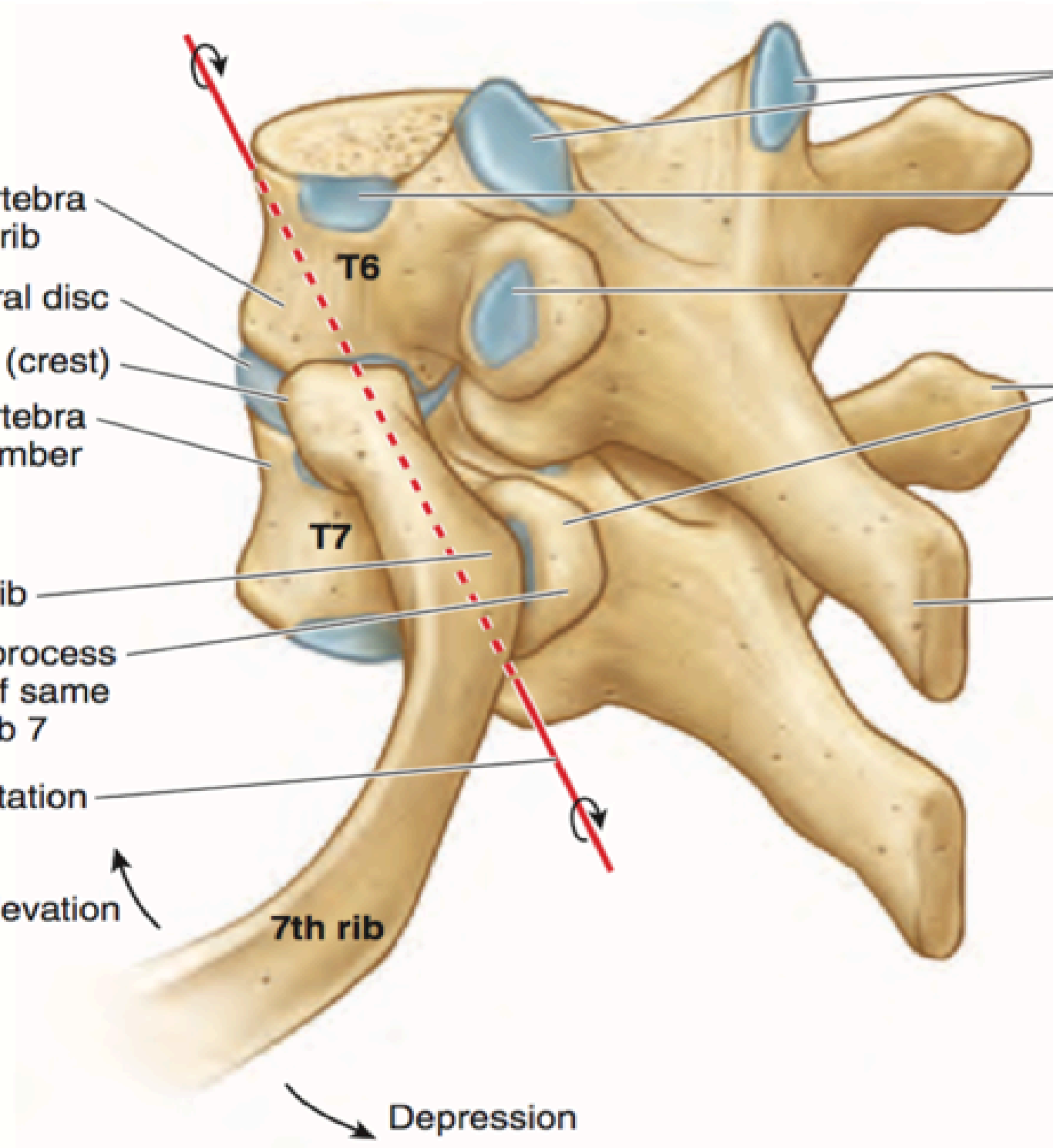
Costal demifacet
for head of 6th rib

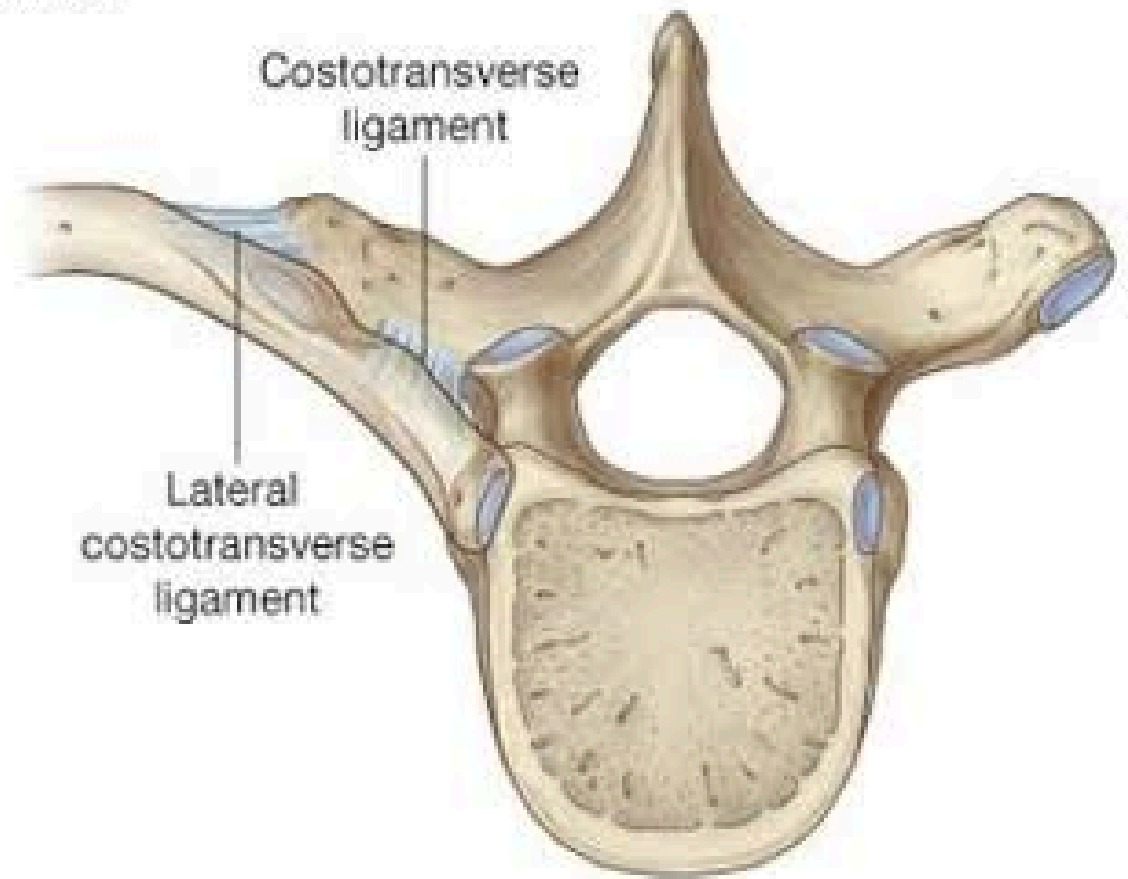
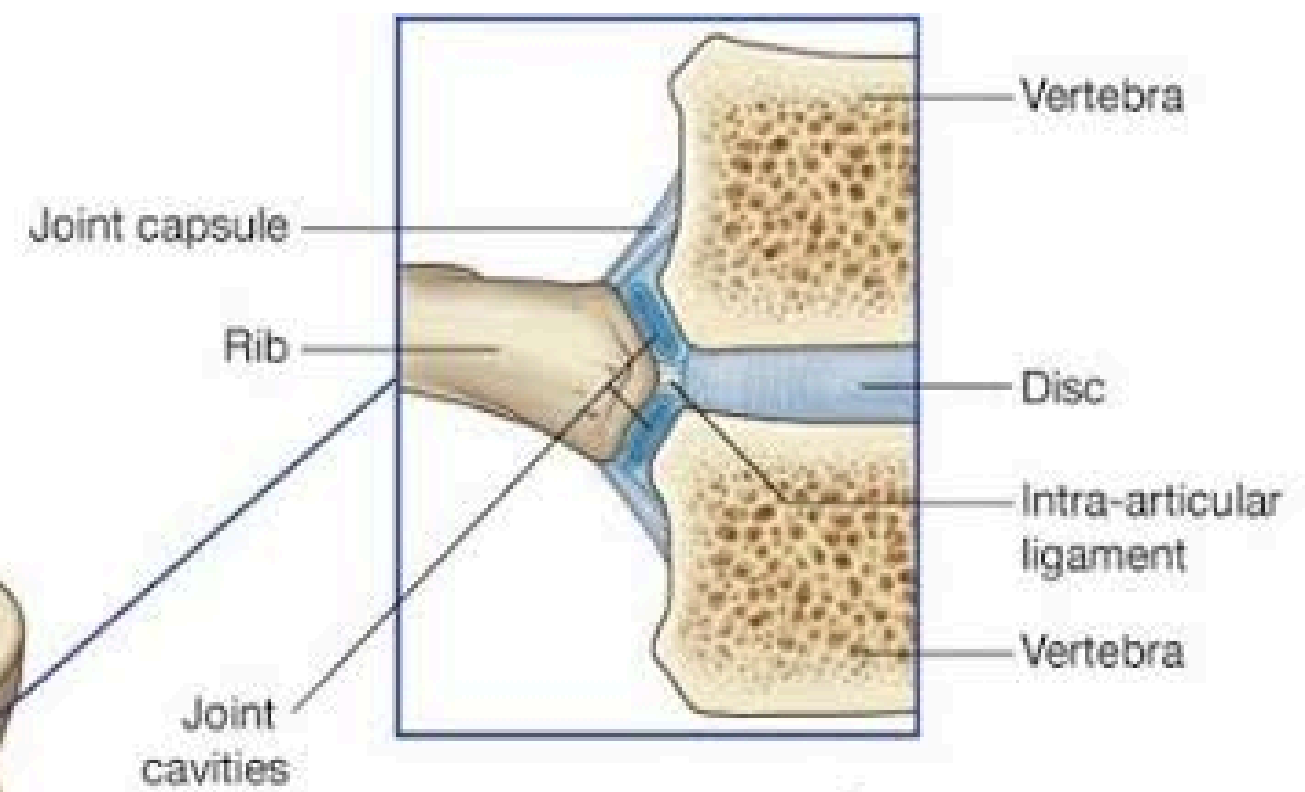
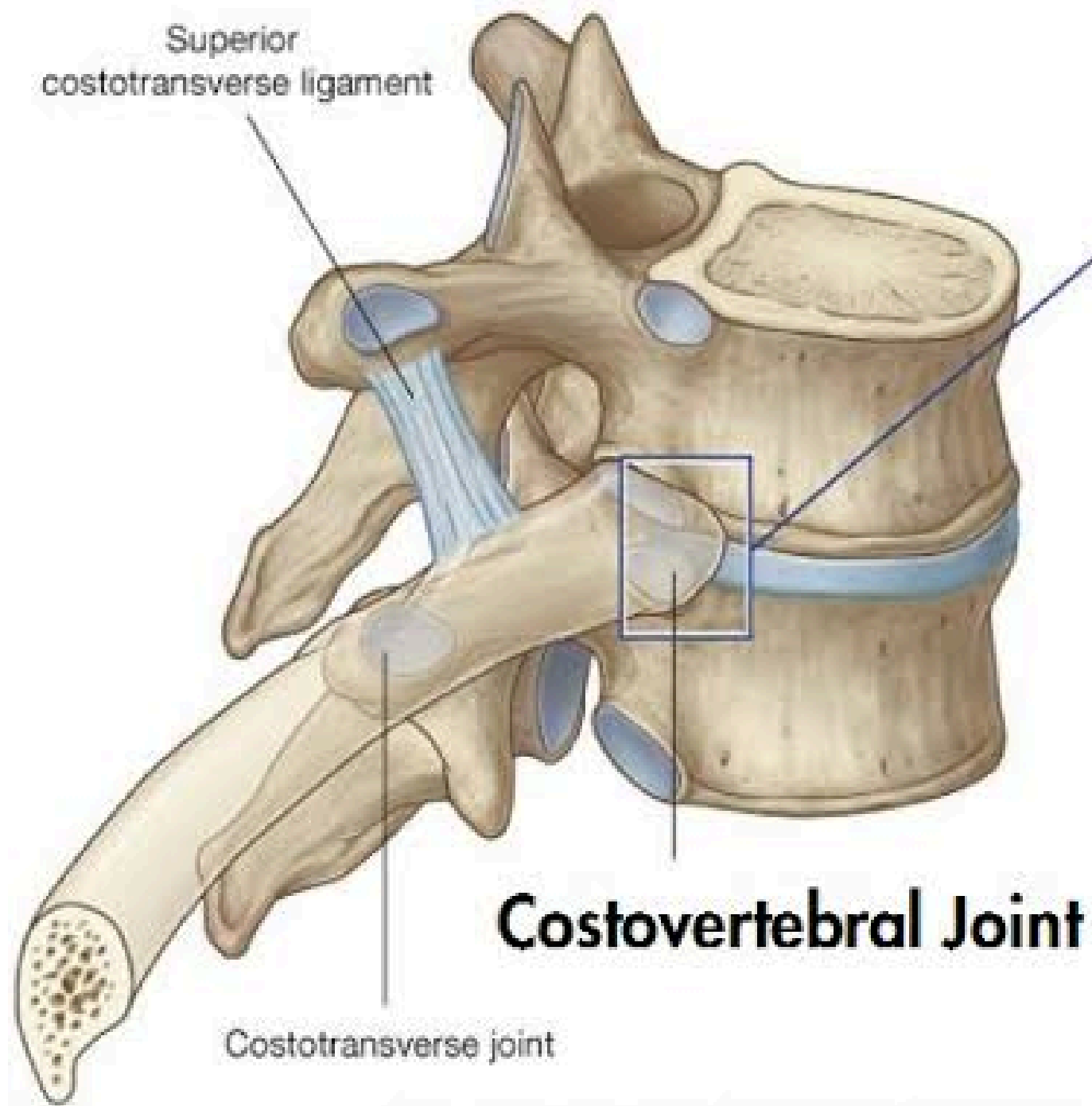
Articular facet for
tubercle of 6th rib

X

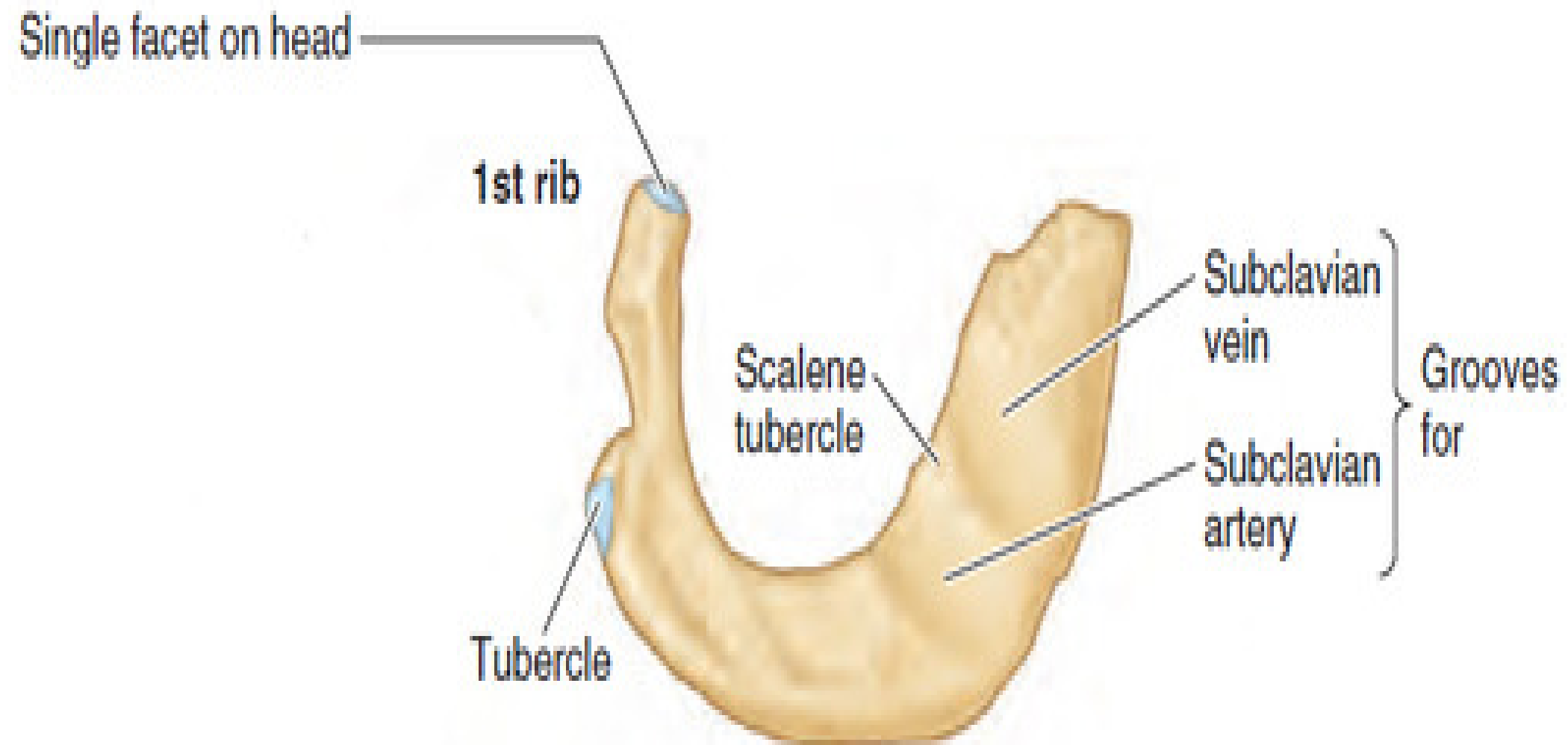
Spinous processes
of T6 vertebra

Left posterolateral view





1st rib



Scalene triangle:

Anterior scalene muscle

Middle scalene muscle

Long thoracic nerve

Brachial plexus

Subclavian artery

Subclavian vein

Clavicle

Costoclavicular
ligament

Subclavius
muscle

First rib

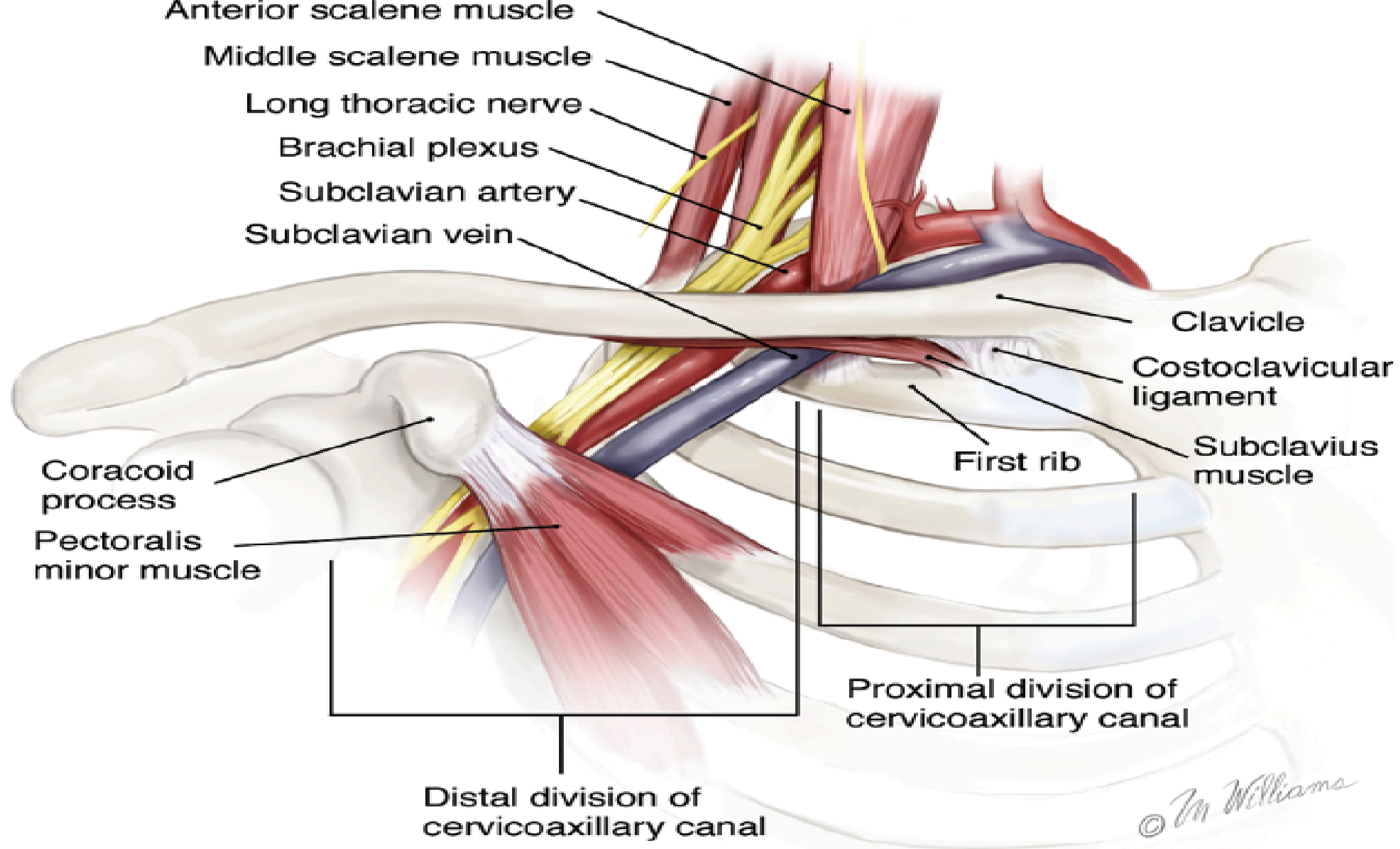
Coracoid
process

Pectoralis
minor muscle

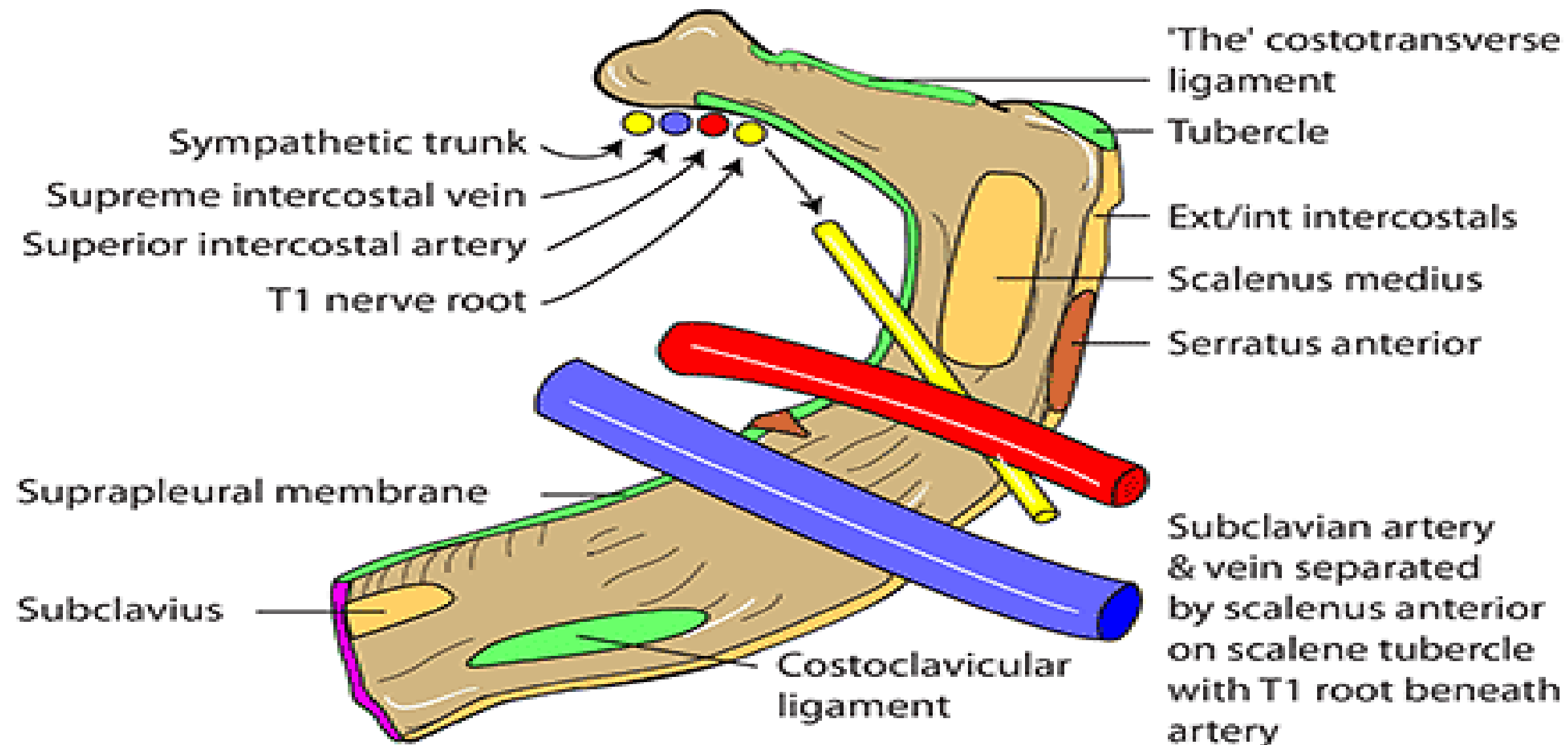
Proximal division of
cervicoaxillary canal

Distal division of
cervicoaxillary canal

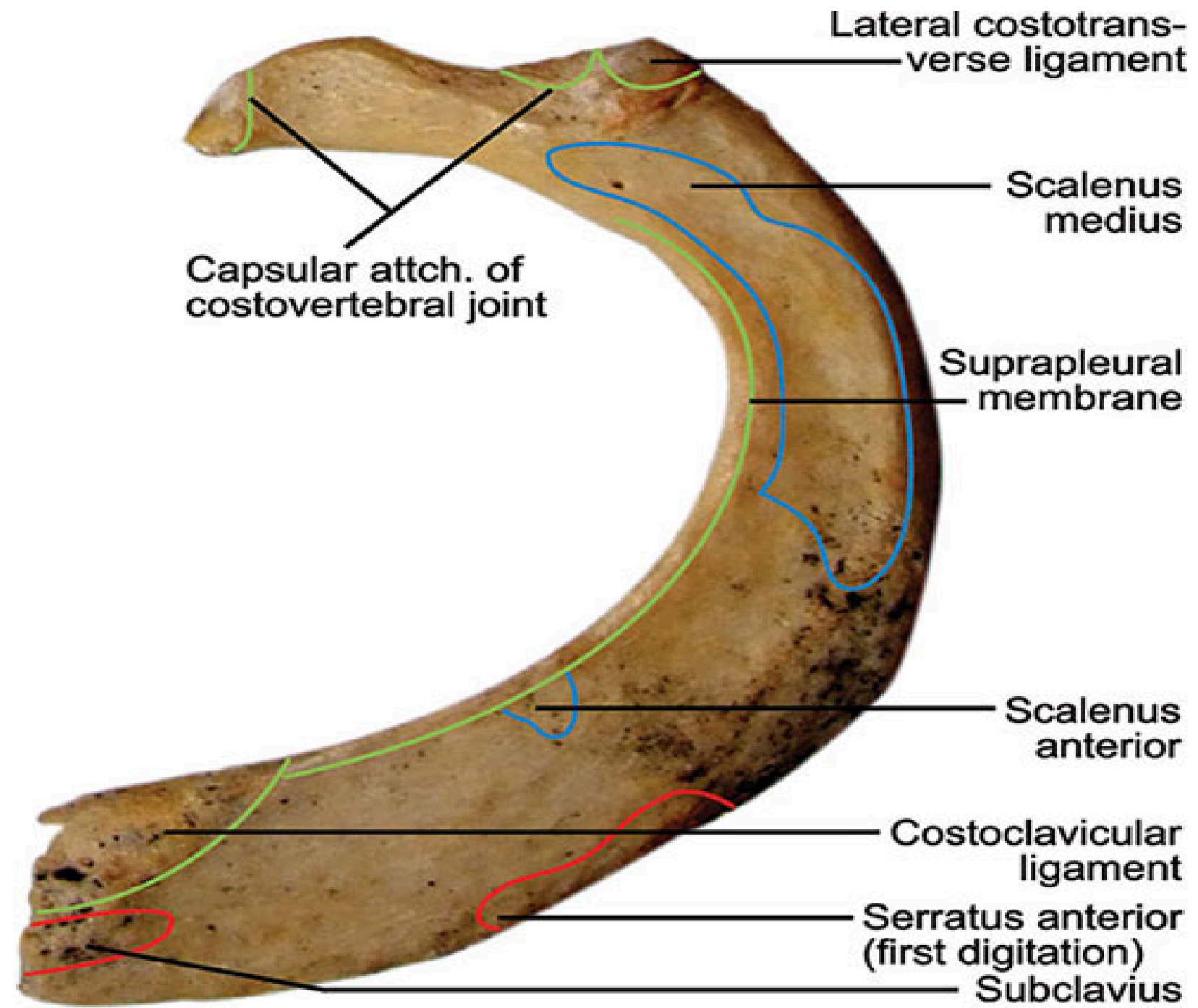
© J. Williams



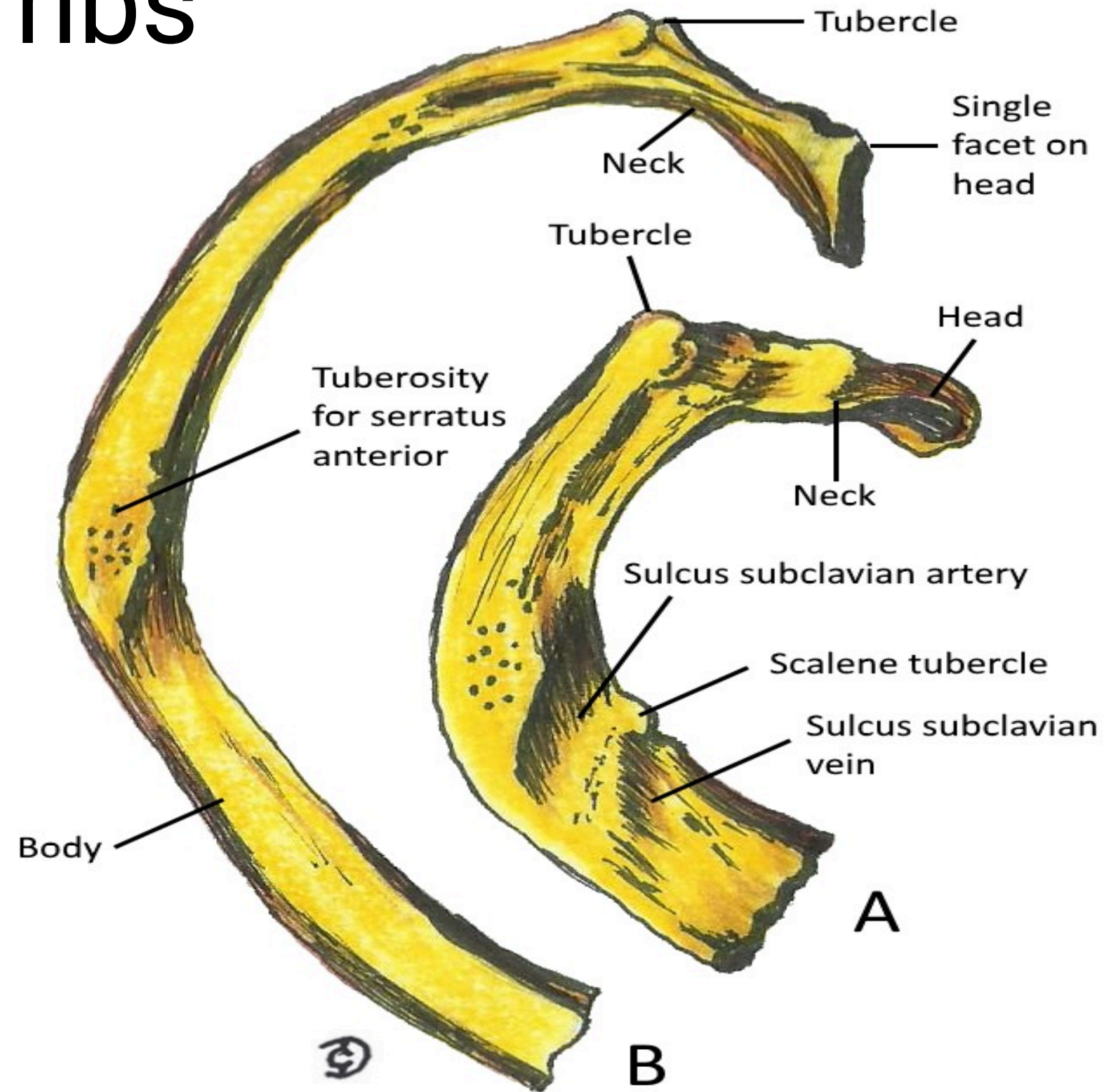
RELATIONS AND ATTACHMENTS OF LEFT FIRST RIB

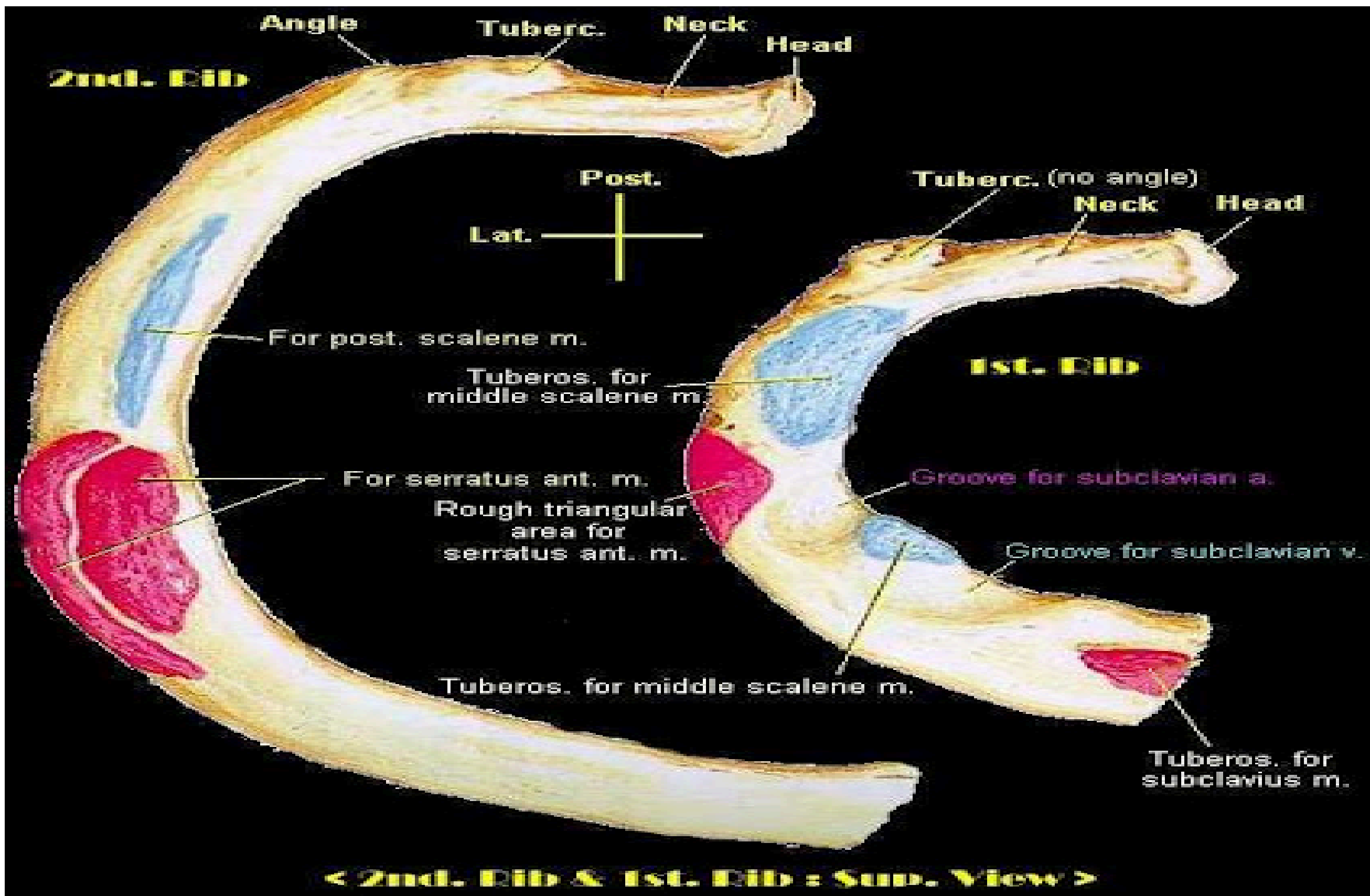


The under surface of the 1st rib is smoother. When the rib is laid on a flat surface, the head touches the flat surface when the rib is the correct way up



1st & 2nd ribs





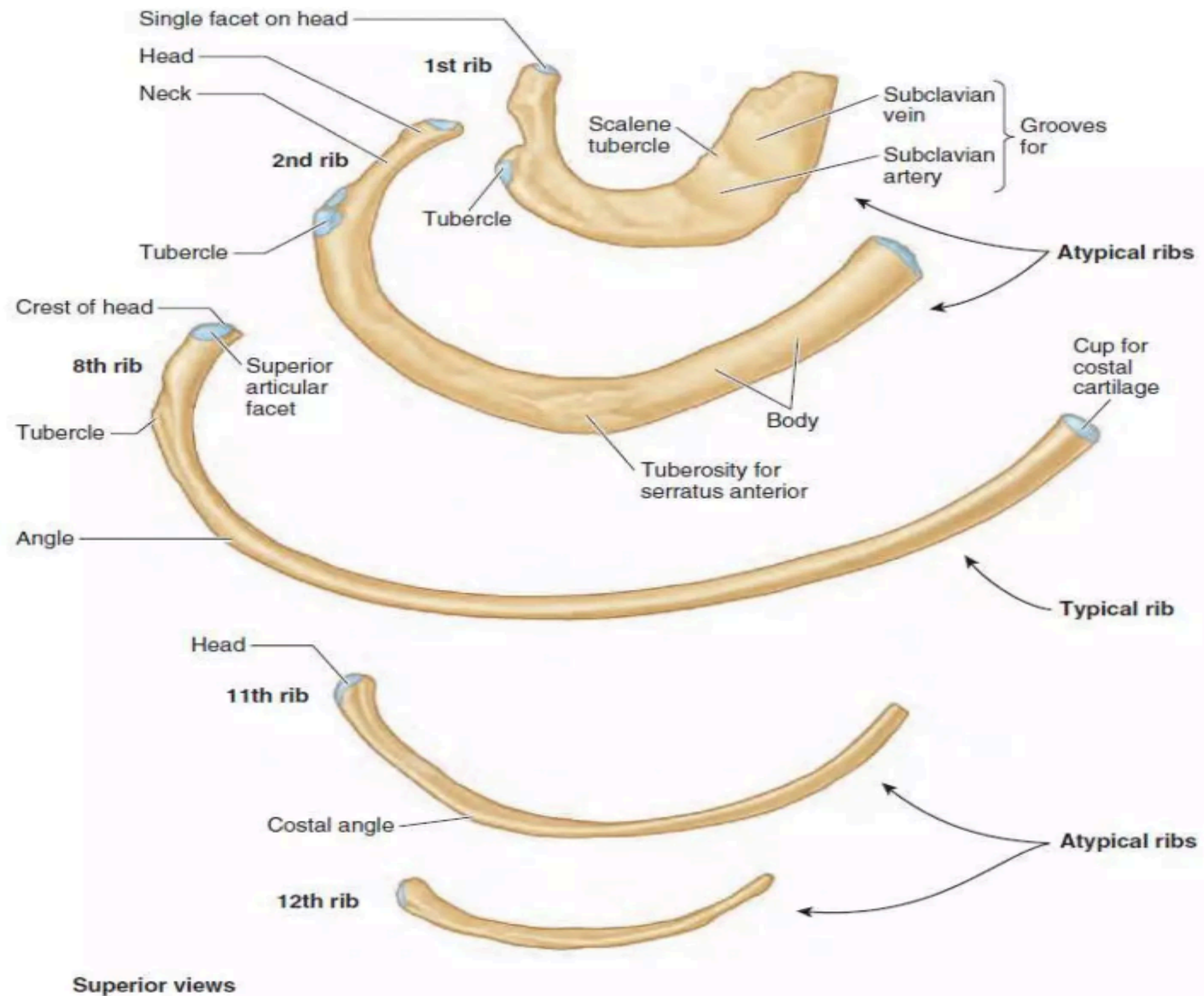
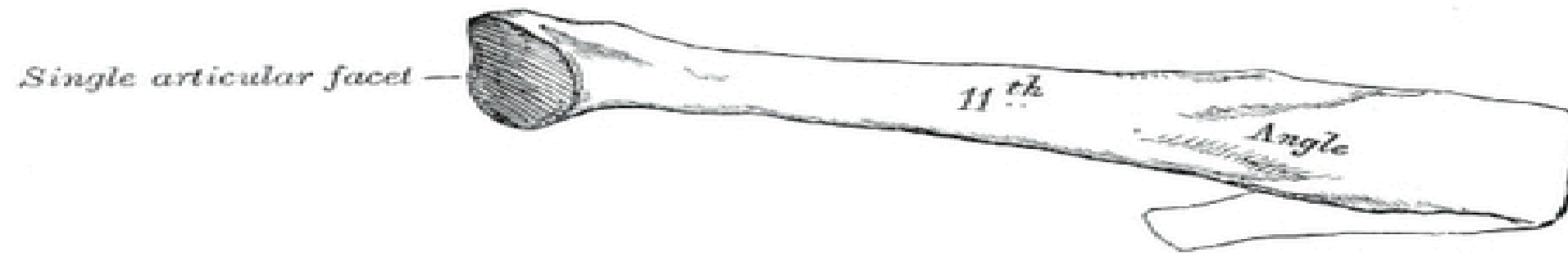
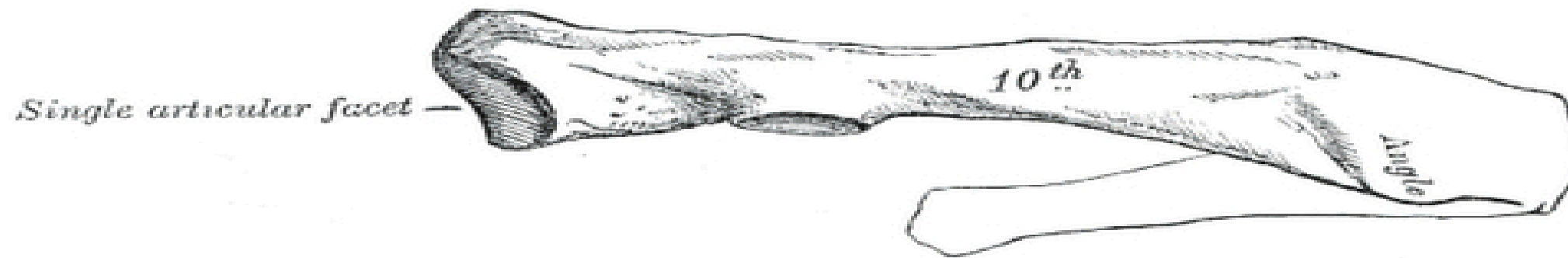


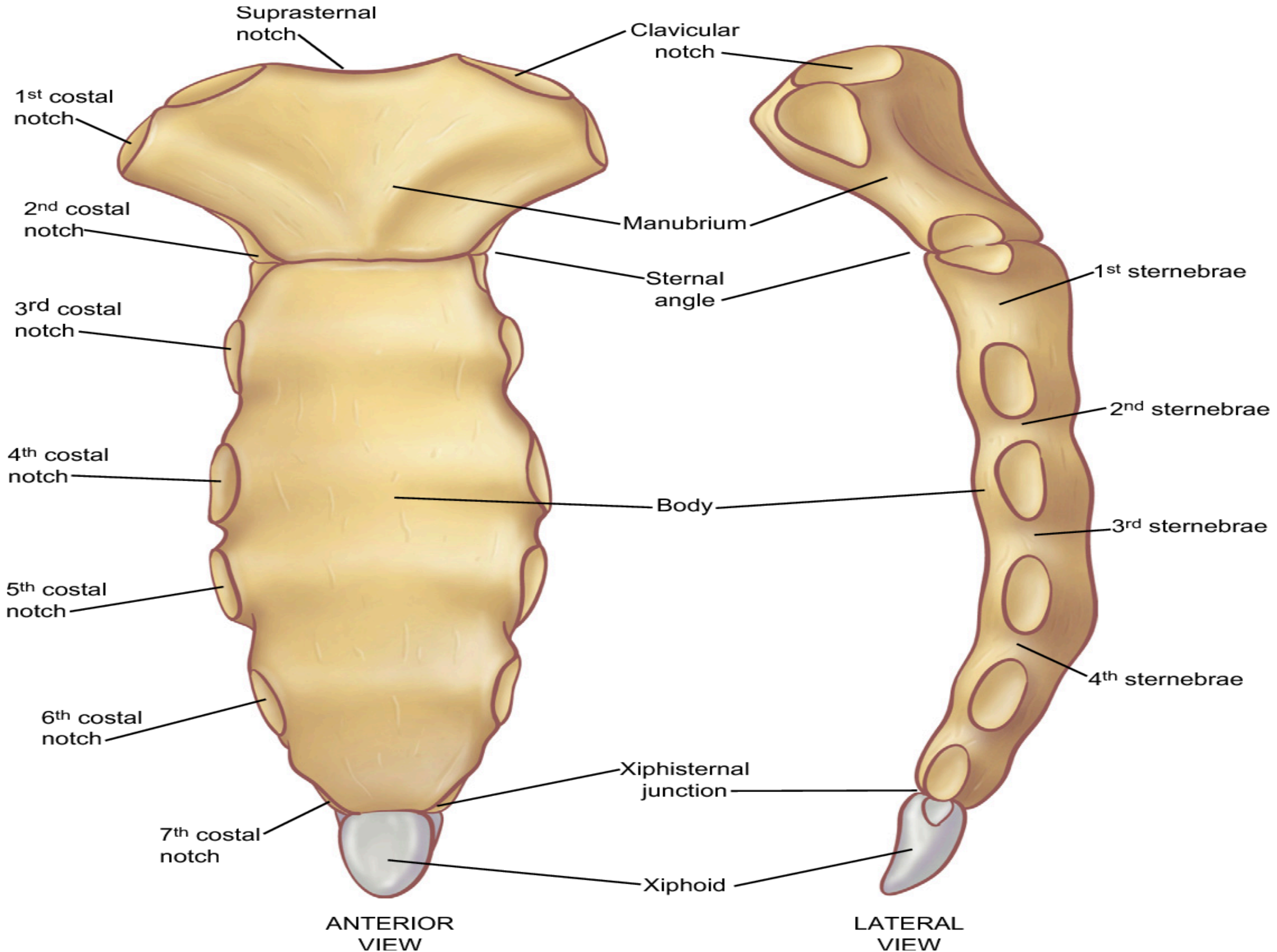
FIGURE 1.3. Atypical ribs. The atypical 1st, 2nd, 11th, and 12th ribs differ from typical ribs (e.g., the 8th rib, shown in center).

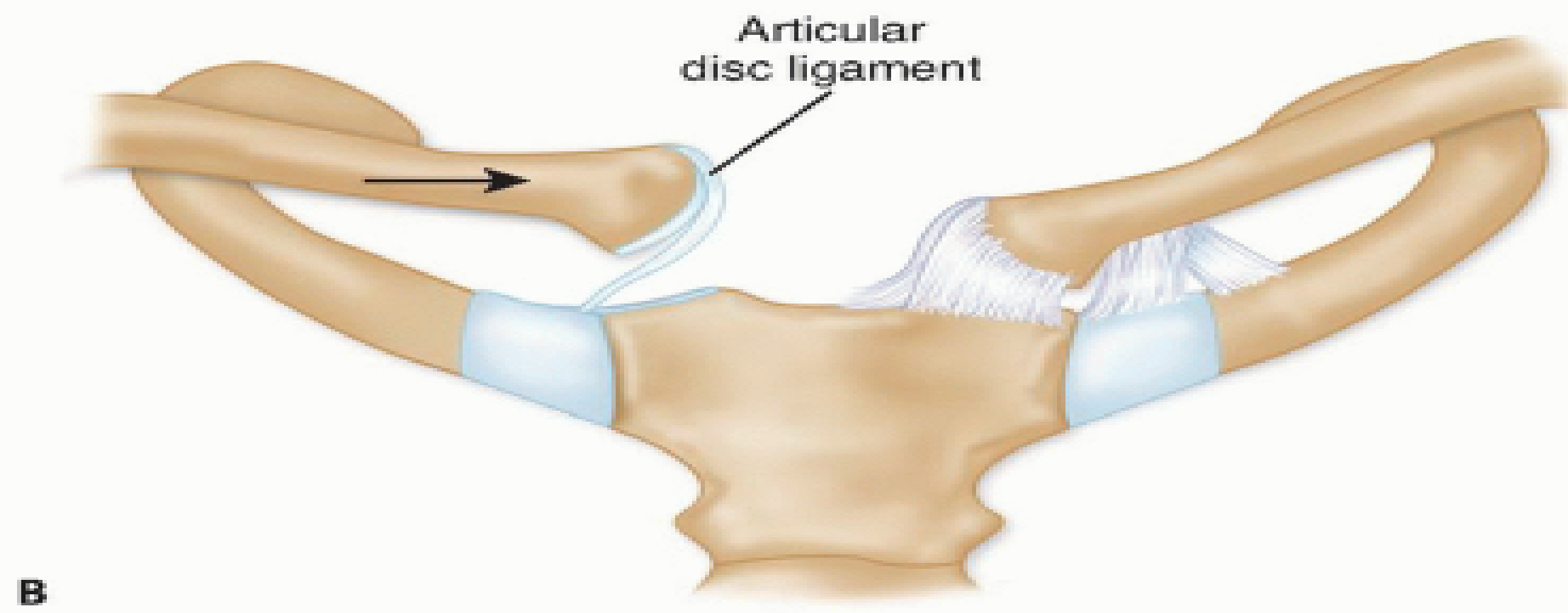
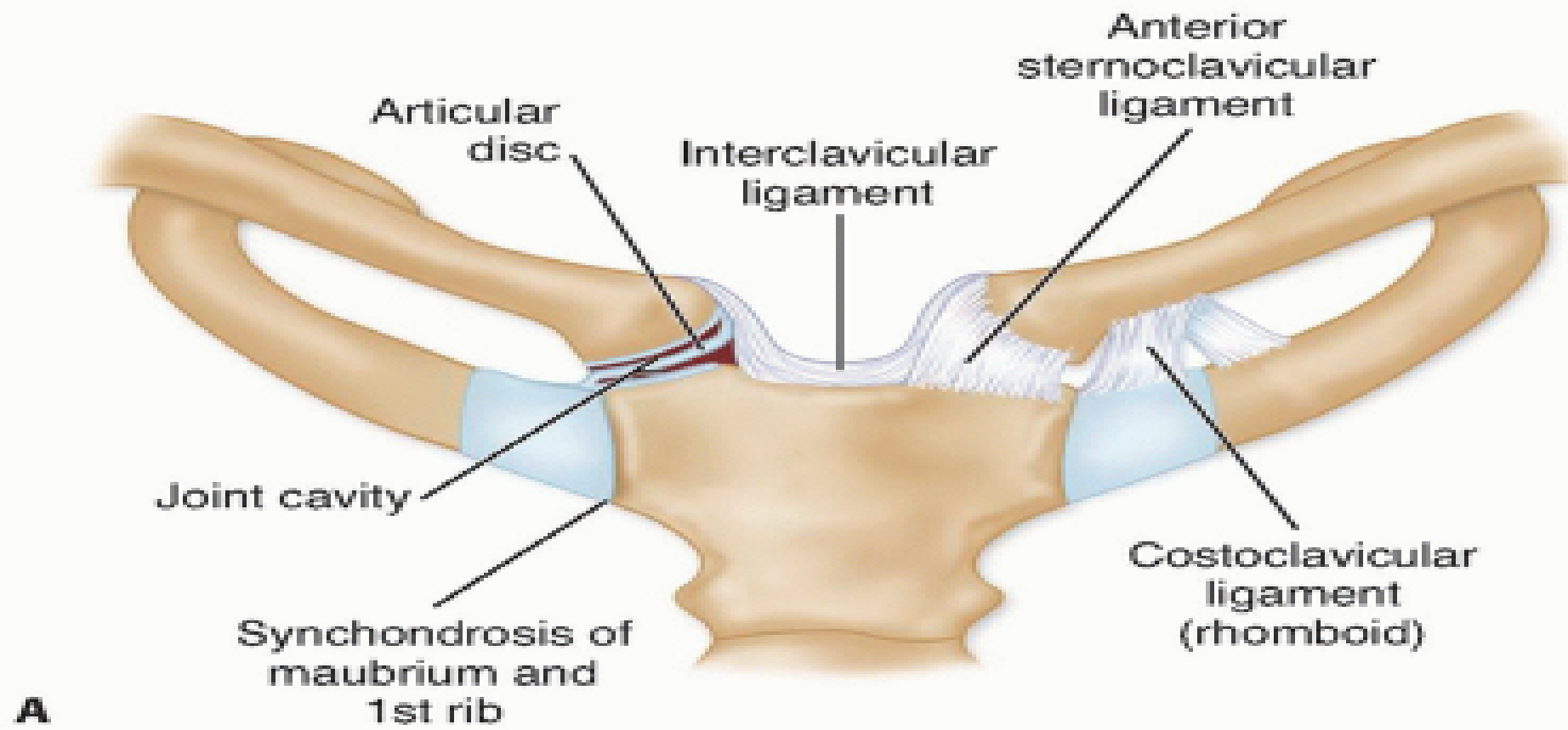


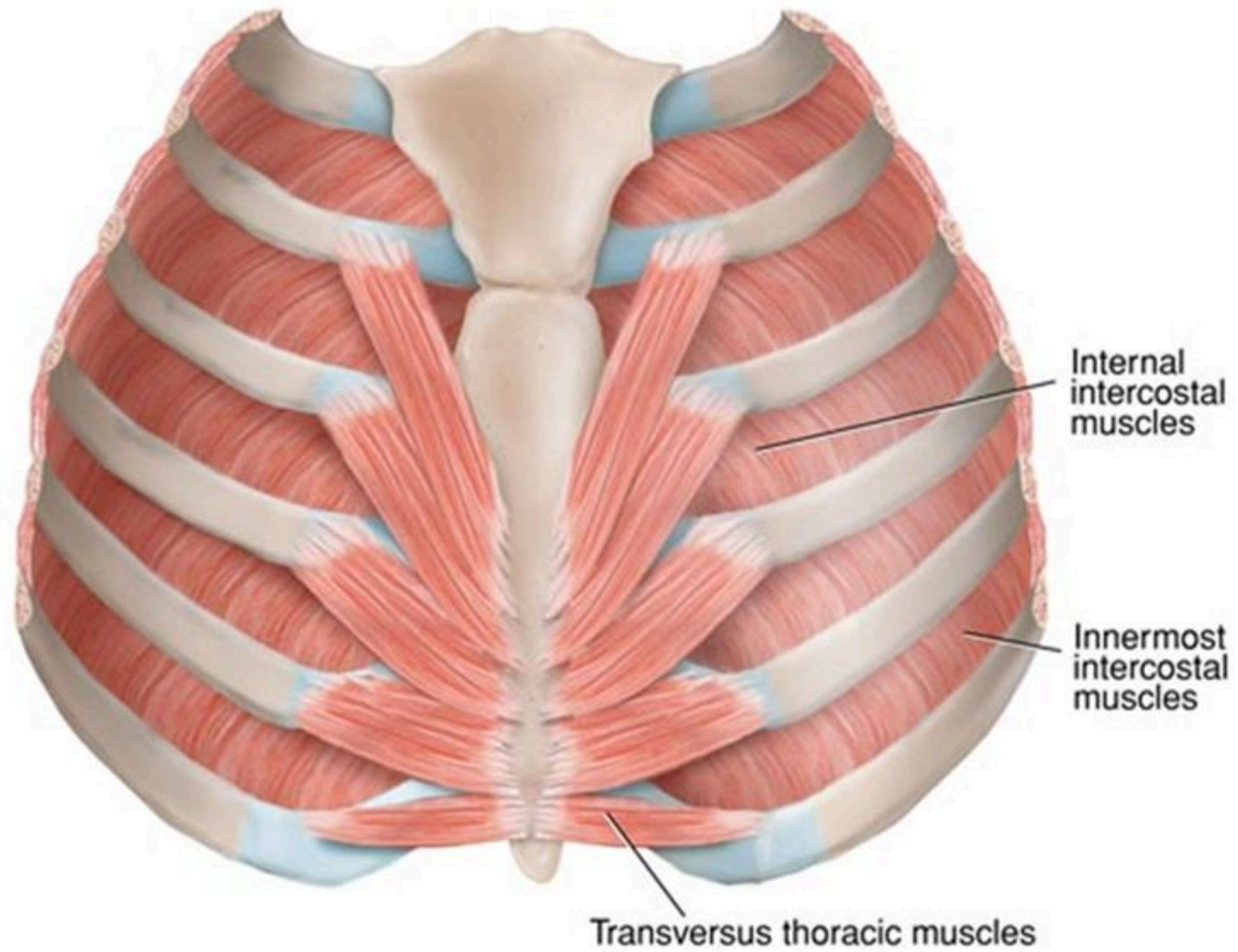
Atypical ribs - 10th, 11th, 12th

posterior view



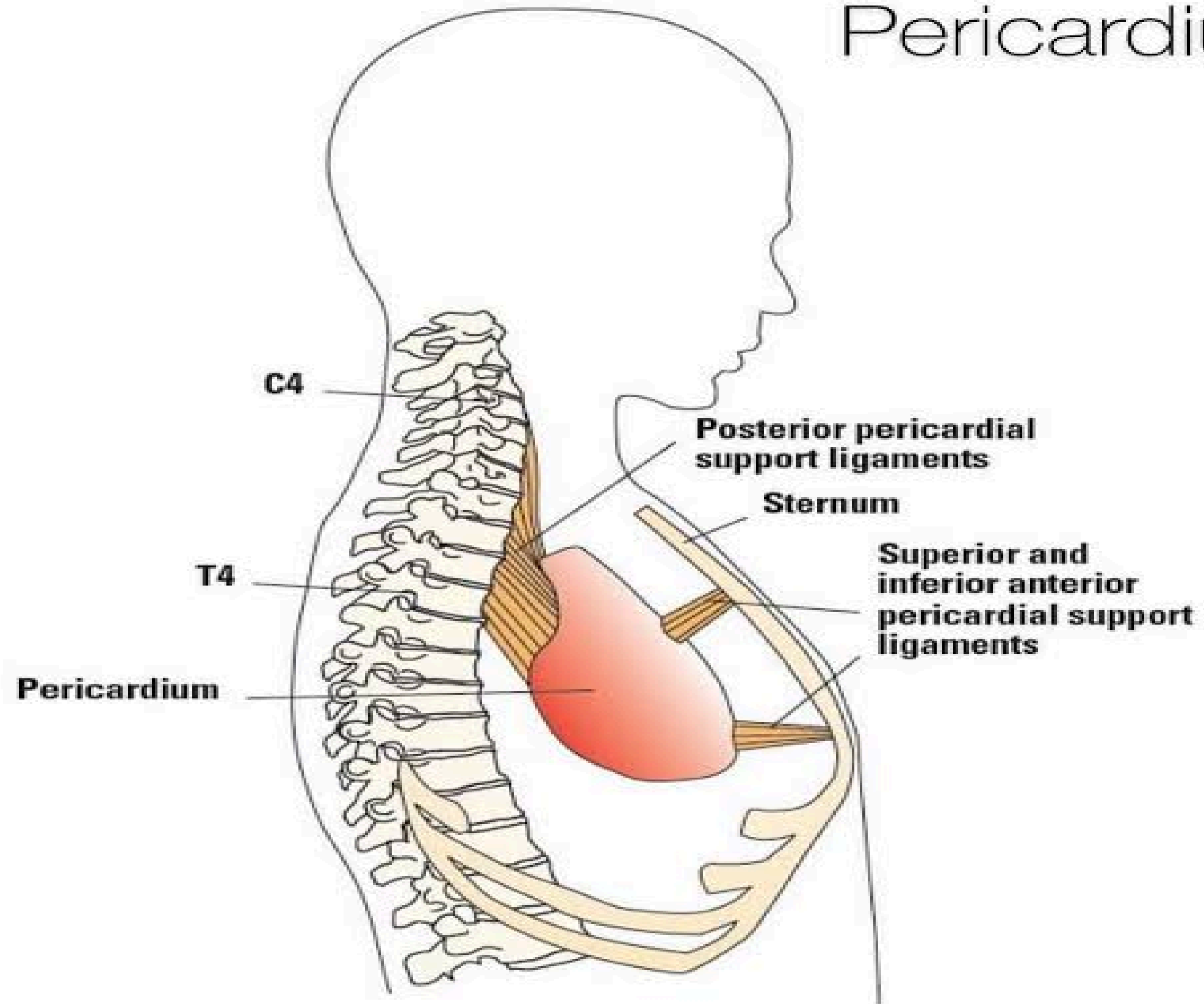


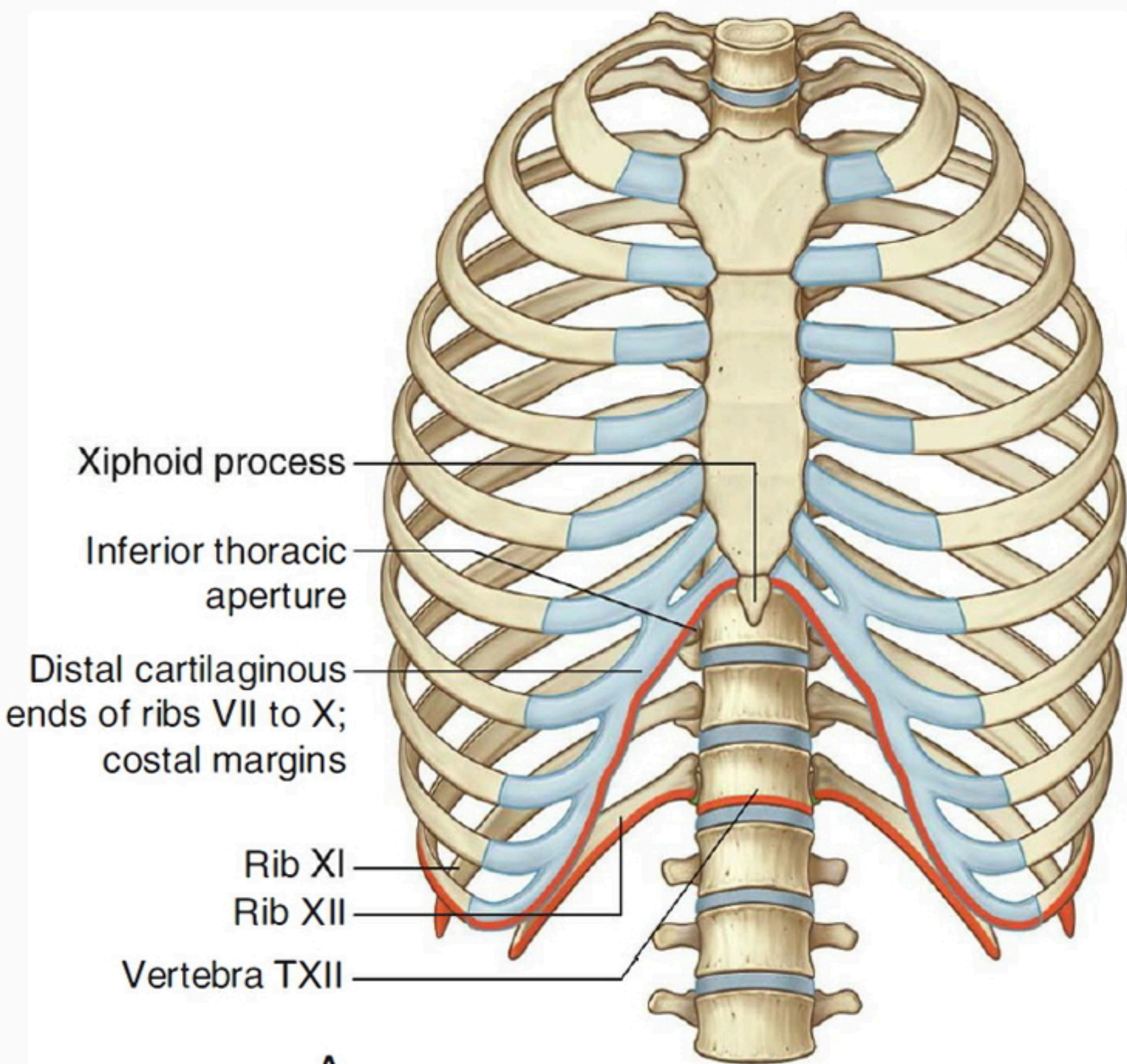




View from within thoracic cavity

Pericardium

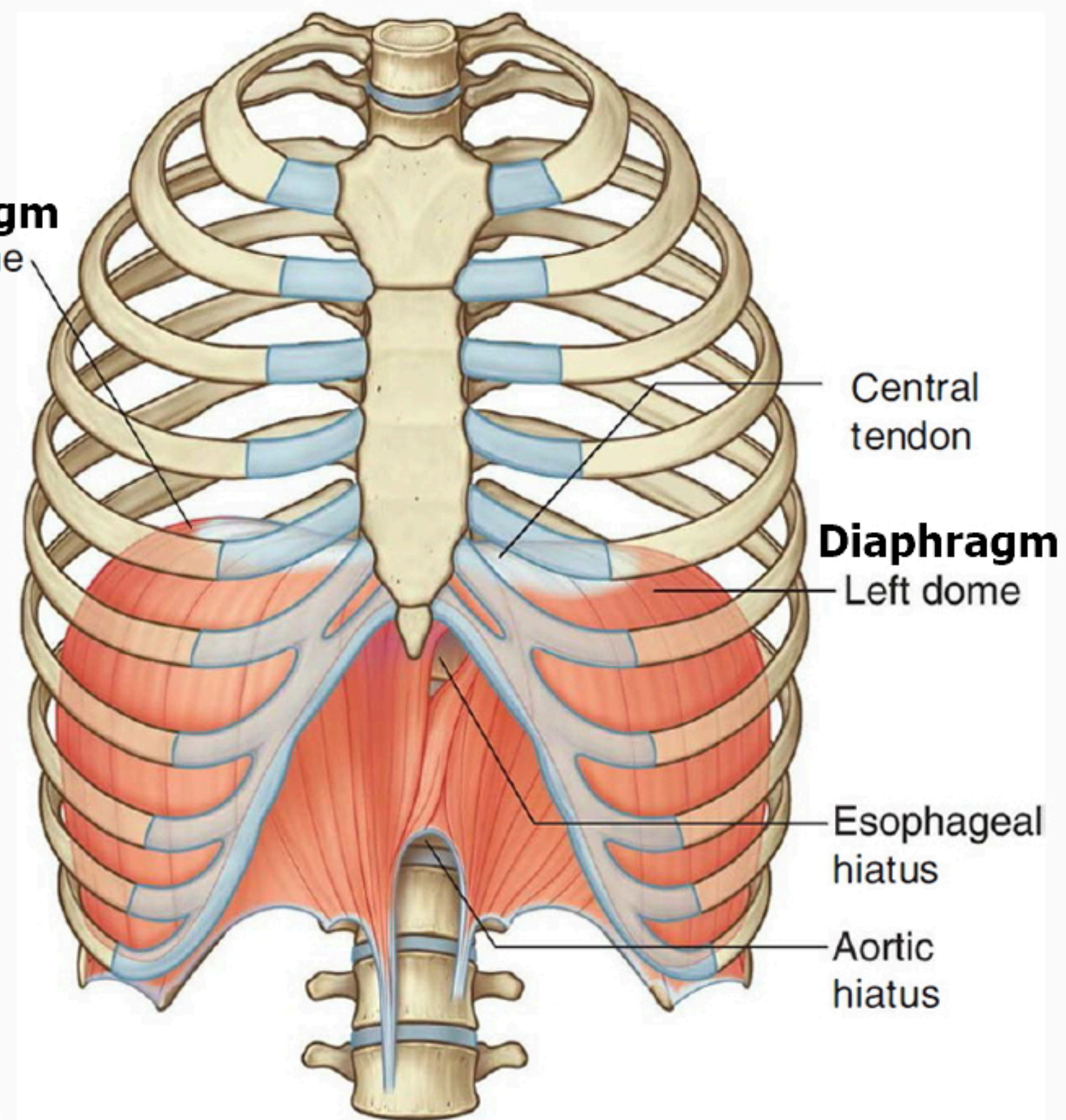




A

Diaphragm

Right dome



B

