L. PALES et M. A. GARCIA

ATLAS OSTÉOLOGIQUE DES MAMMIFÈRES

II. Tête — Rachis
Ceintures scapulaire et pelvienne

HERBIVORES

Editions du CNRS

MUSEO GEOLOGICO "GEMMELLARO"
UNIVERSITA' PALERMO
INV. RS. 30/ID

ATLAS OSTÉOLOGIQUE

pour servir à l'identification des

MAMMIFÈRES DU QUATERNAIRE

II. Tête – Rachis
Ceintures scapulaire et pelvienne
Membres

HERBIVORES

par

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1981

ATLAS OSTÉOLOGIQUE

n° 2 Pales et Garcia

Numéros d'Inventaire du laboratoire d'Anatomie comparée du Muséum National d'Histoire Naturelle

HERBIVORES

	Tête	Squelette	Tête et Squelette
*BISON ♀			1971-144
BŒUF ♀			1939-342
*BOUQUETIN ♂			A 14 112
BOUQUETIN (TUR) ♀			1945-68
CERF (Elaphe) ♂			1878-604
CERF (RUSA) ♀	A 7991 (dents)		
CHAMOIS ♂	1869-292	1908-162	
CHEVAL ♂	1932-46	1935-486	
CHEVRE ♀			1888-303
*CHEVREUIL ♂	A 12 639	1919-88	
*DAIM ♂	1954-173	1938-76	
*MOUFLON ♂			1945-88
MOUTON ♀			1939-217
RENNE ♀	1963-274	1925-410	
RHINOCEROS (Afr.) ♂			1944-278
*SAIGA ♂	1960-25	1960-143	
SANGLIER ♂	1927-102	1876-324	
CASTOR (Canada)	1950-52		
*CASTOR (Fiber)		1936-202	
*LIEVRE			1911-374
LAPIN			1920-132
*MARMOTTE			1935-542

* *Animaux dont les membres sont figurés dans l'Atlas 2.*

HERBIVORES

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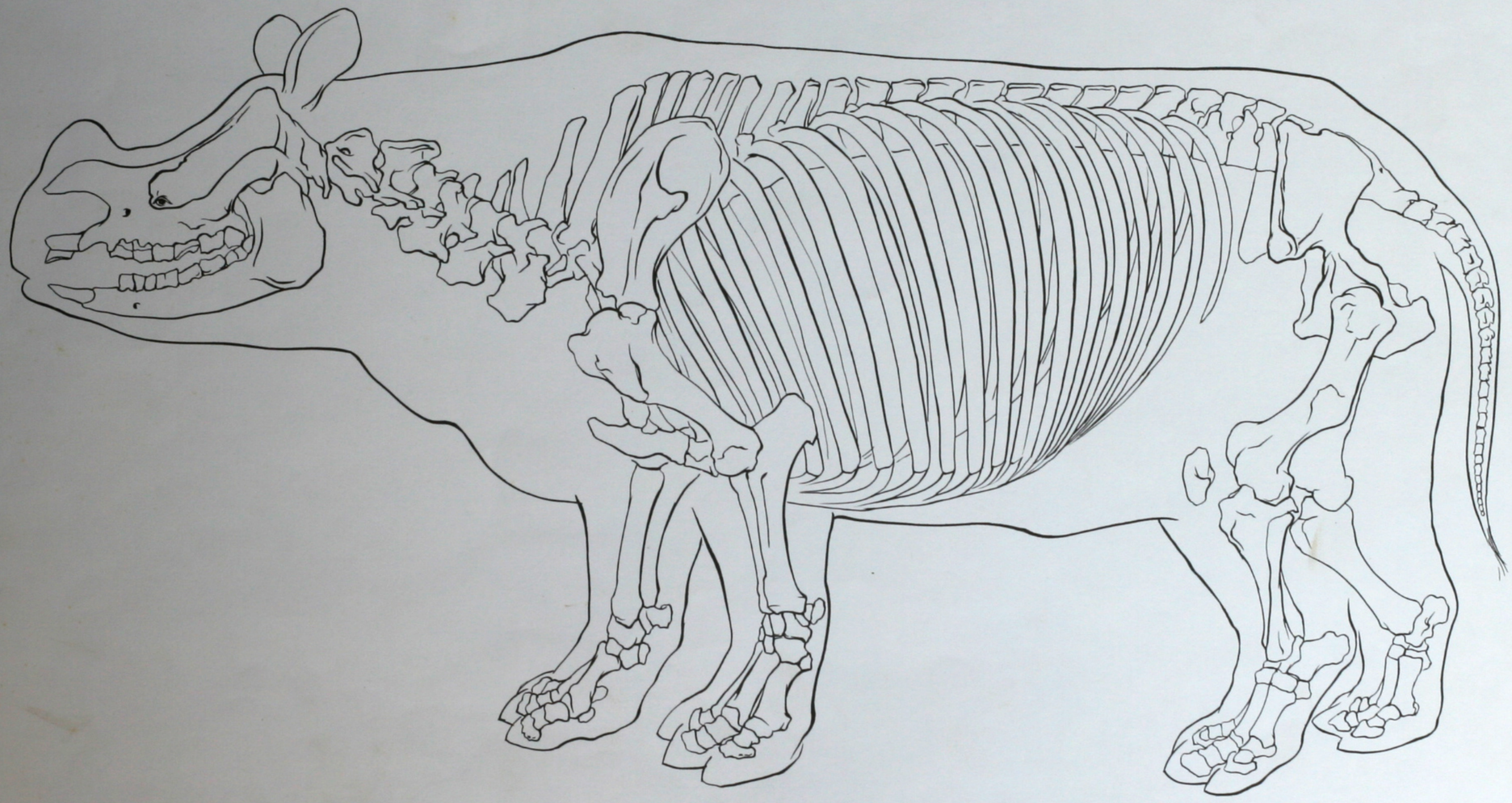
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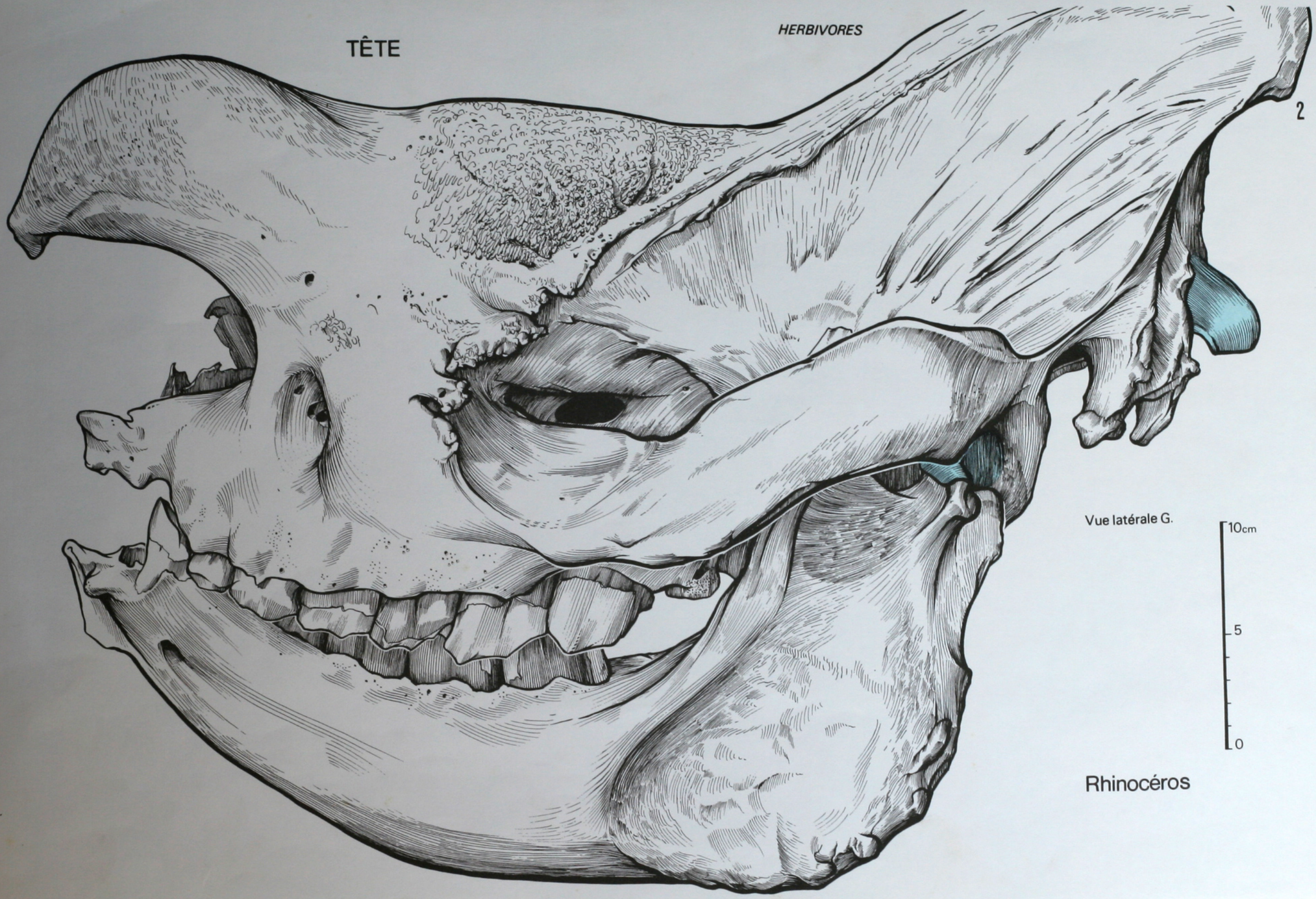
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Rhinocéros *(Sondaïcus)*



0 10 20 30 40 50 cm

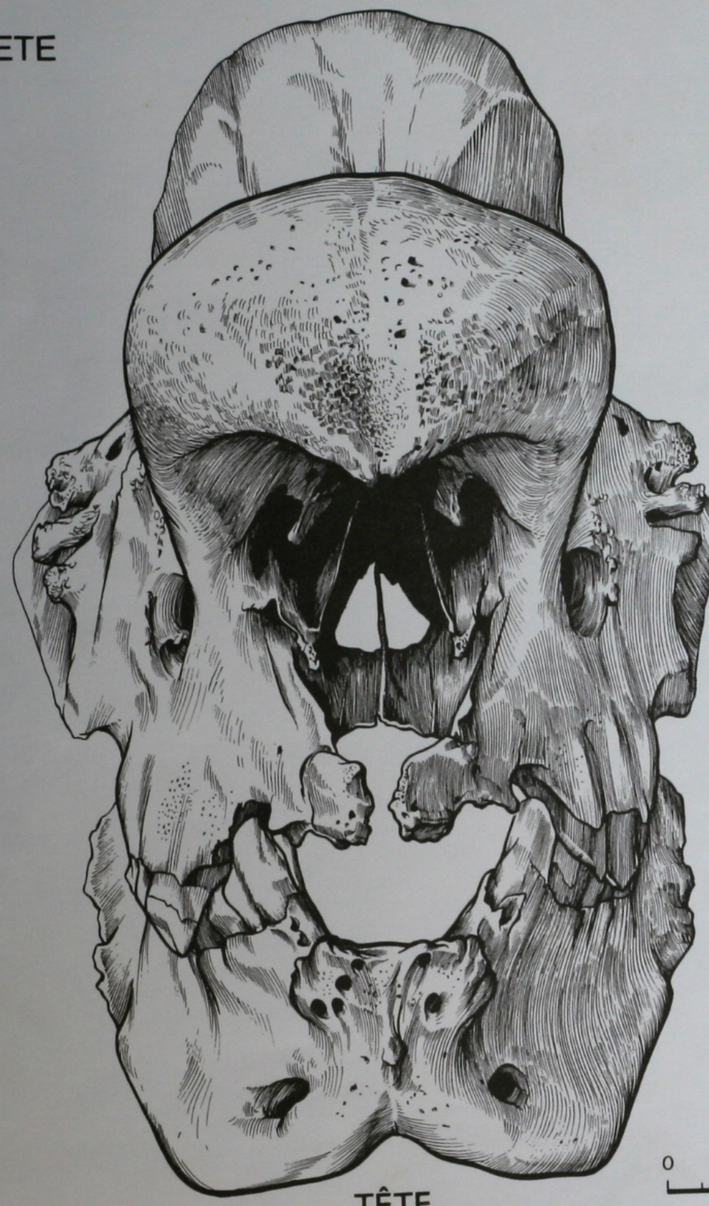


Vue latérale G.

10cm
5
0

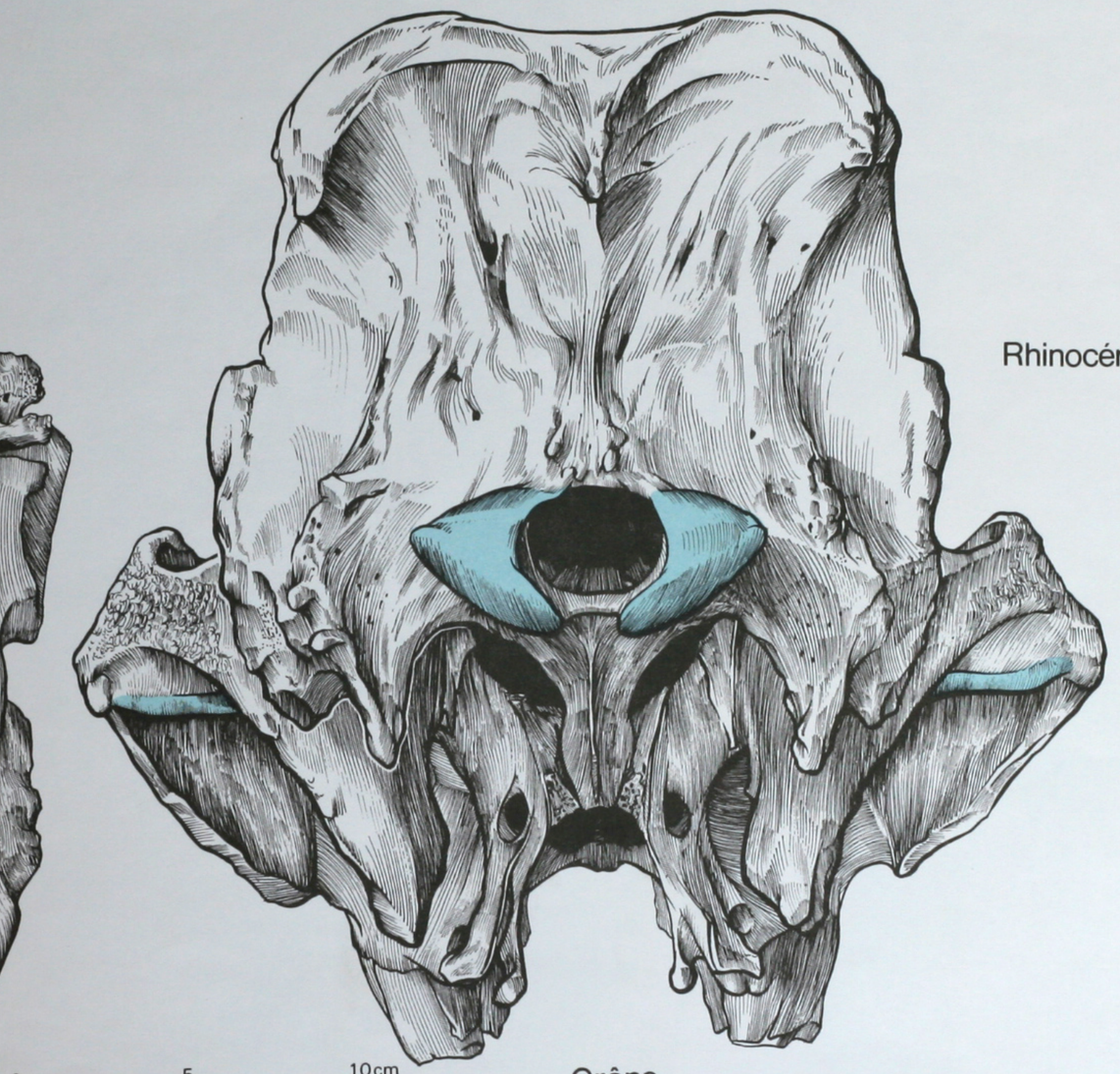
Rhinocéros

TETE



TÊTE

Vue rostrale



0 5 10cm

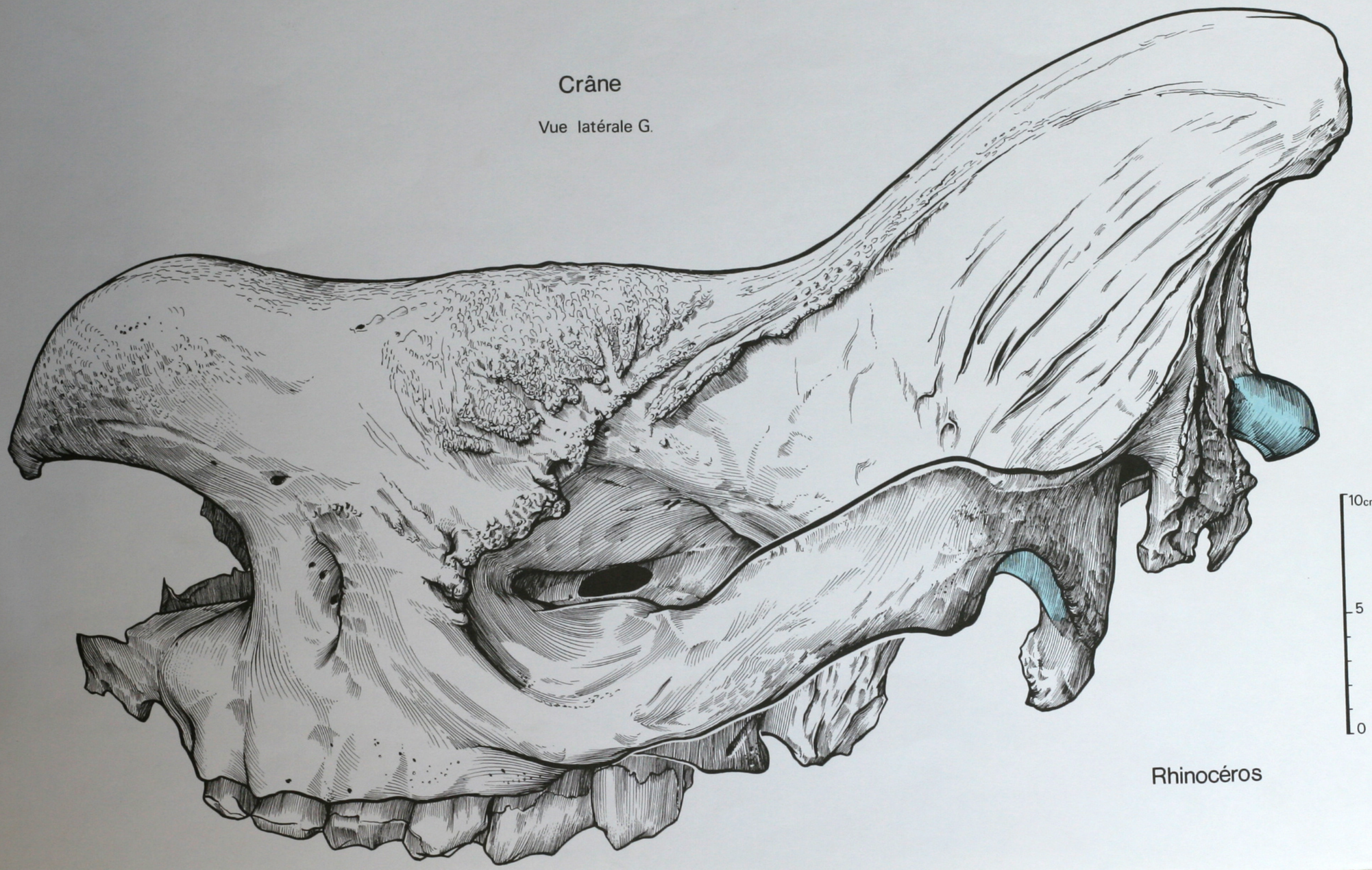
Rhinocéros

Crâne

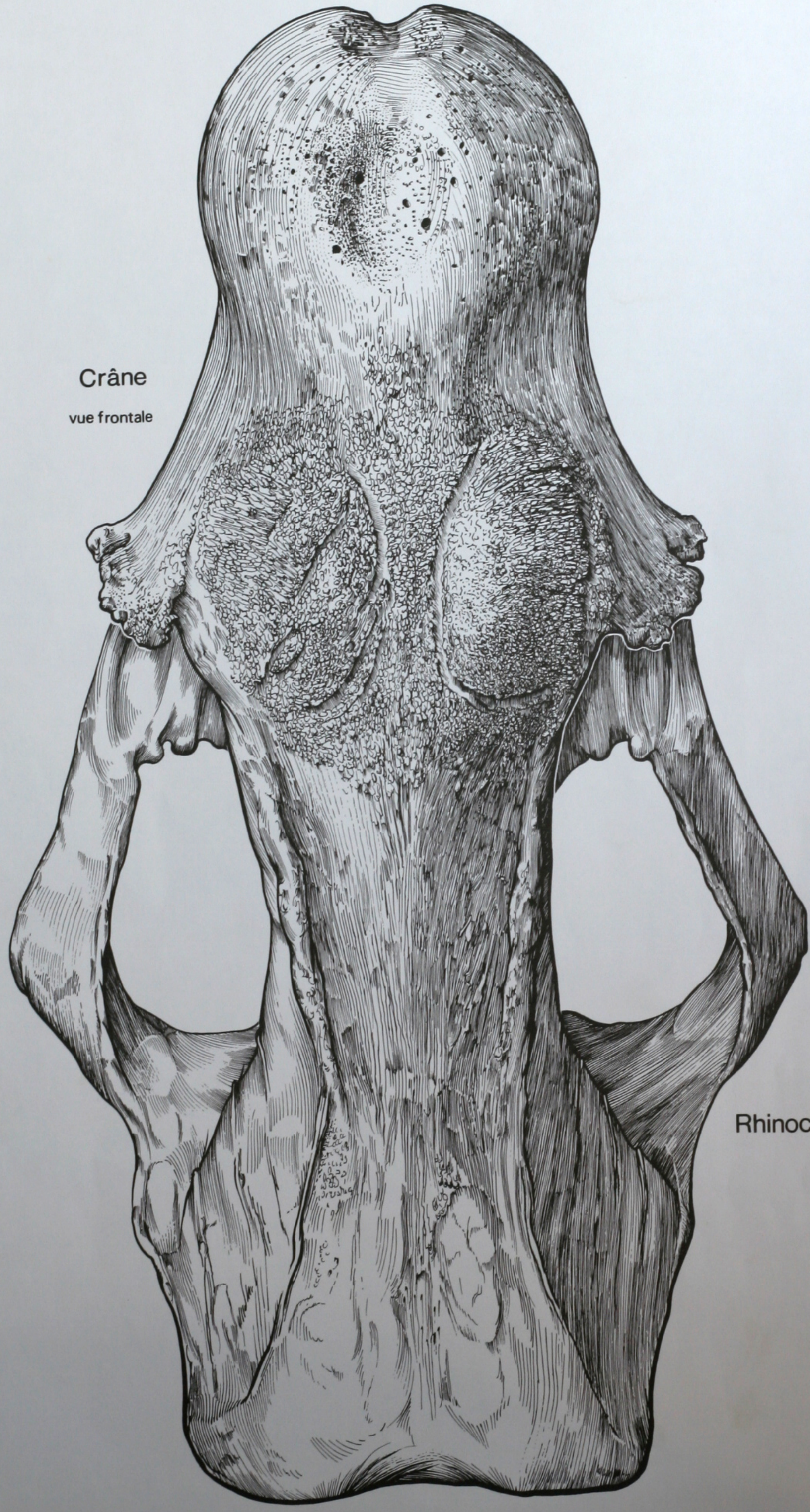
Vue nuchale

Crâne

Vue latérale G.



Rhinocéros



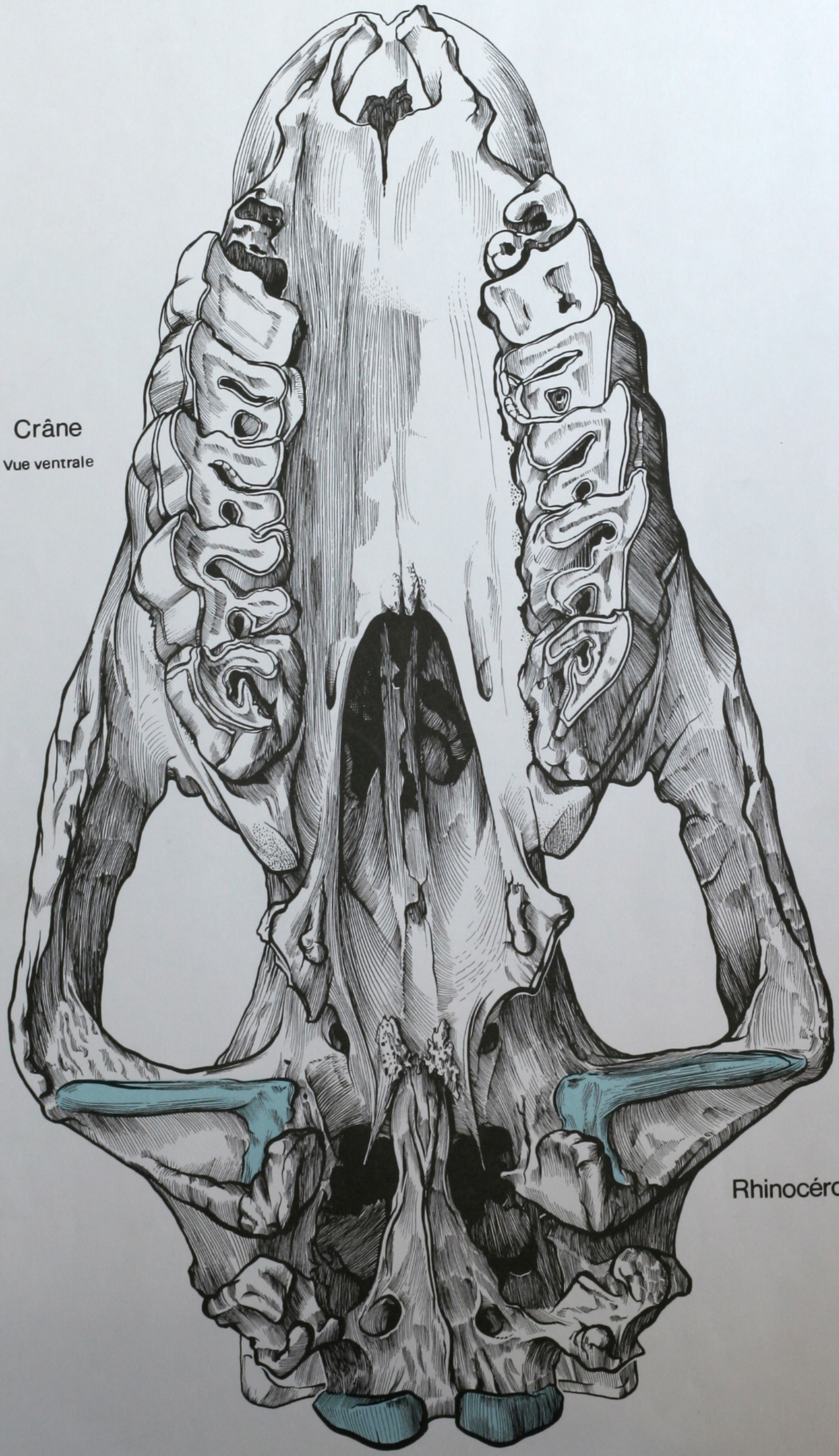
Crâne

vue frontale

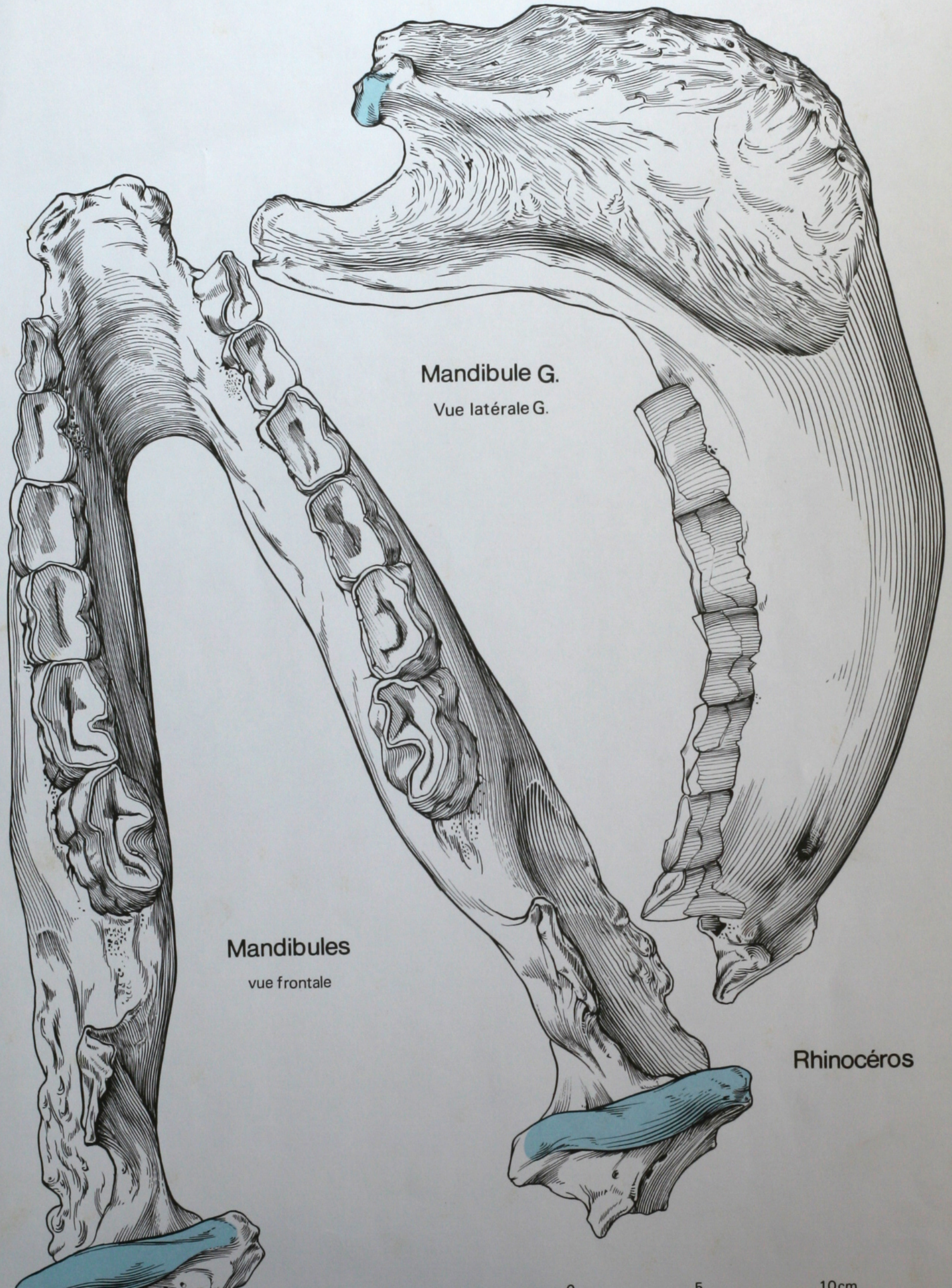
Rhinocéros

Crâne

Vue ventrale



Rhinocéros



Mandibule G.

Vue latérale G.

Mandibules

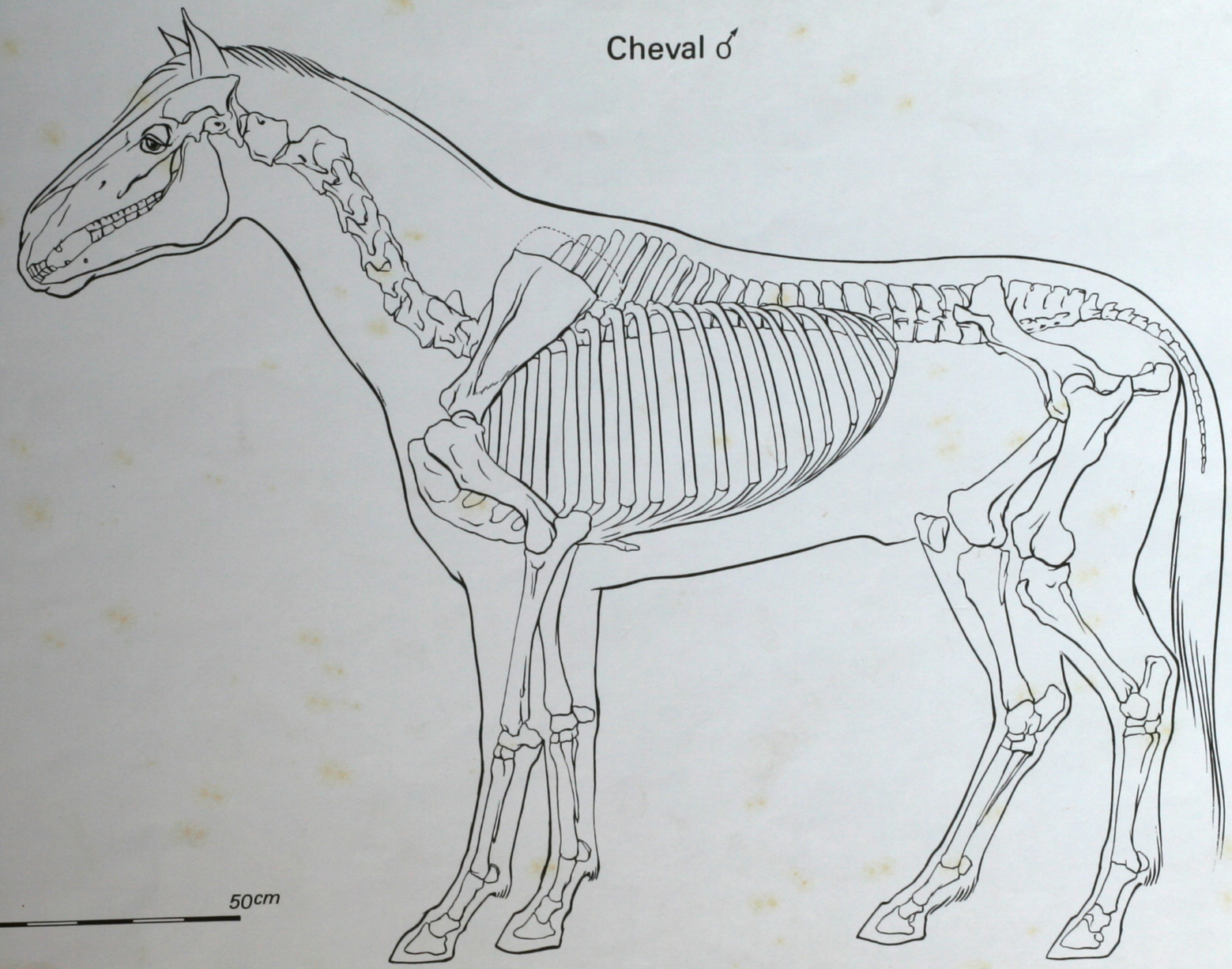
vue frontale

Rhinocéros

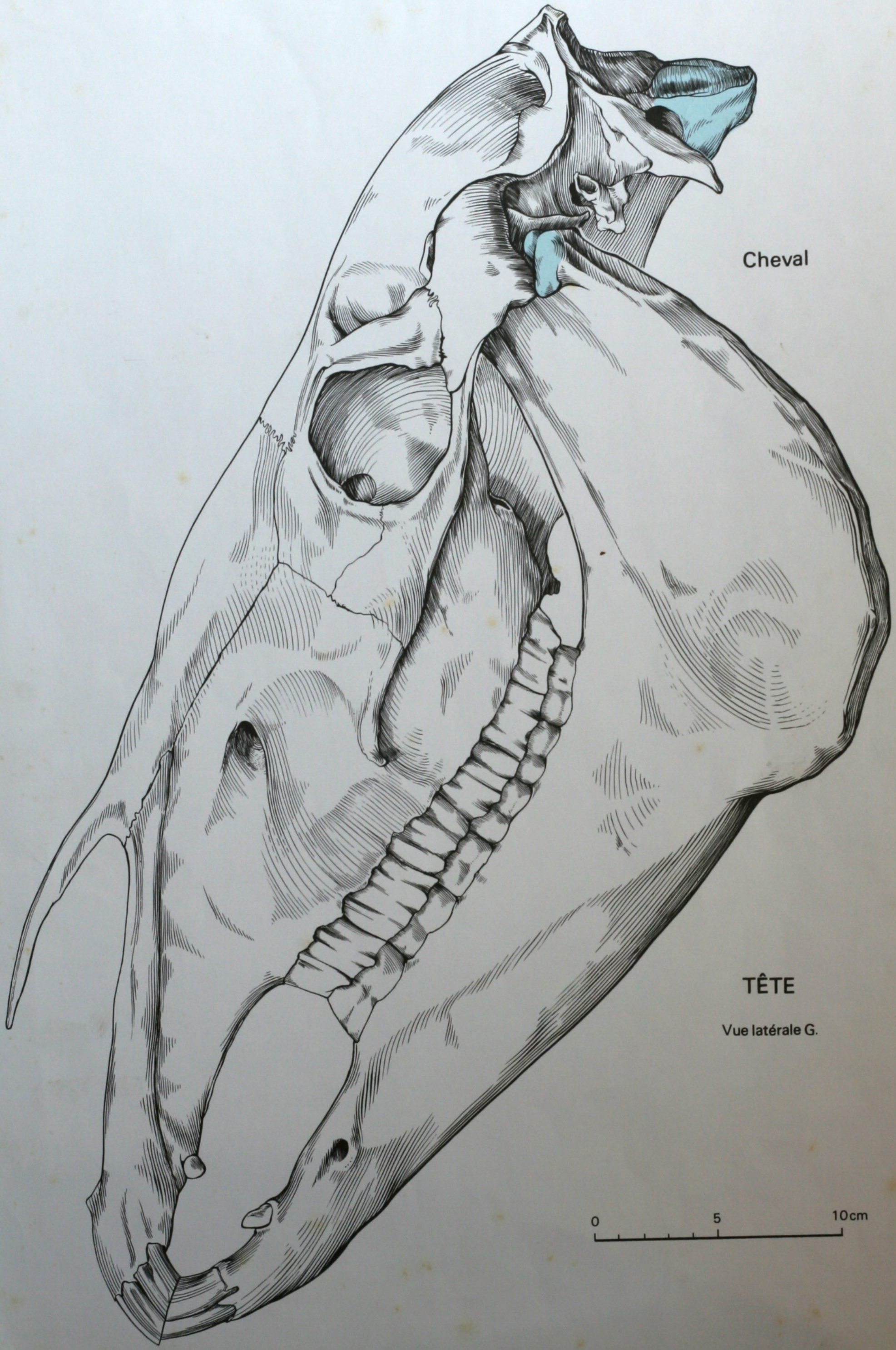
0 5 10cm

SQUELETTE

Cheval ♂



0 50cm



Cheval

TÊTE

Vue latérale G.

0 5 10cm

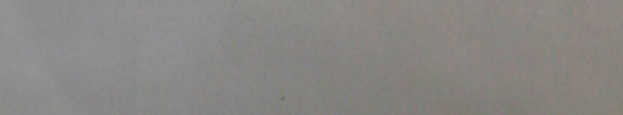
Crâne



Vue nuchale

Vue ventrale

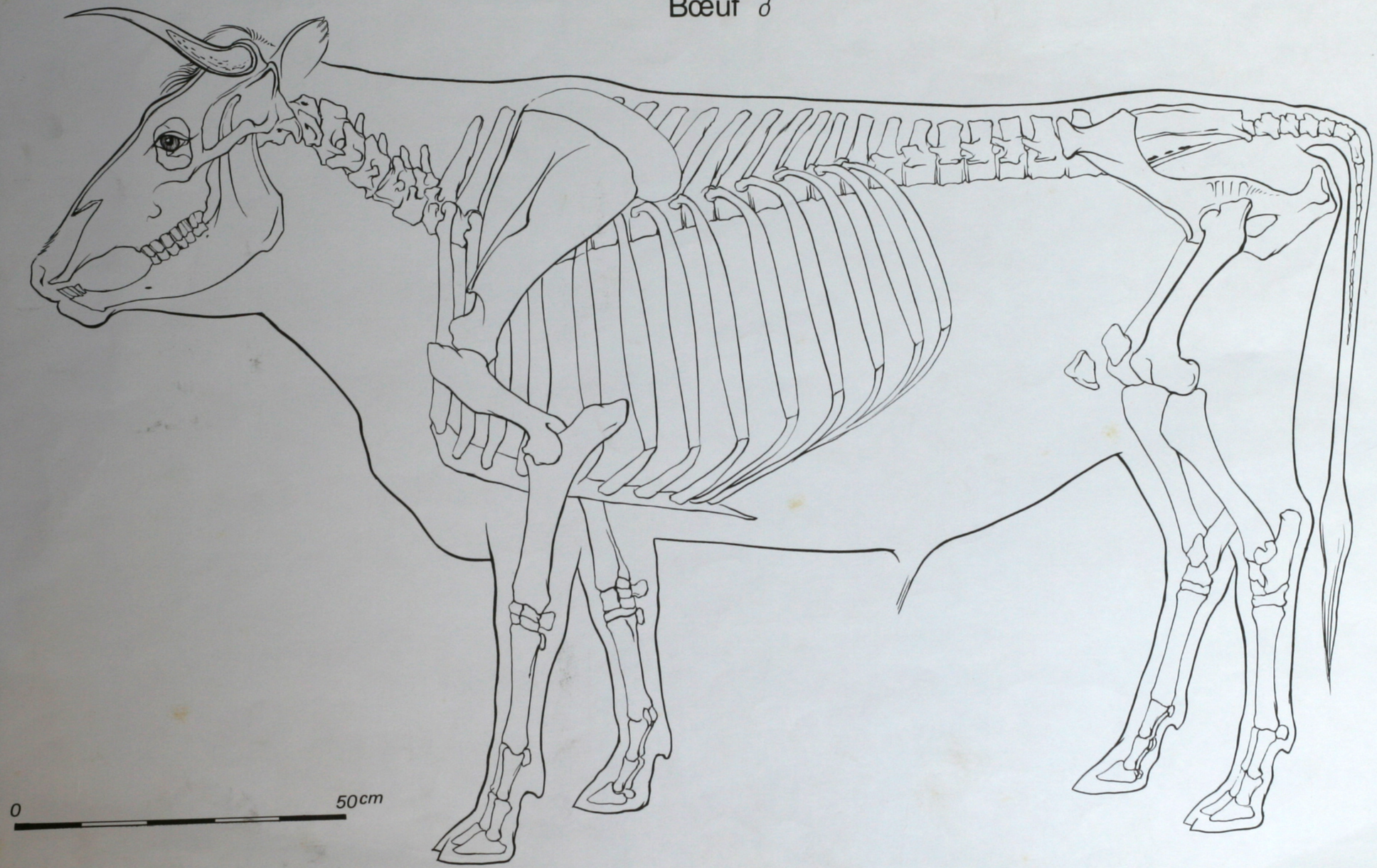
Cheval

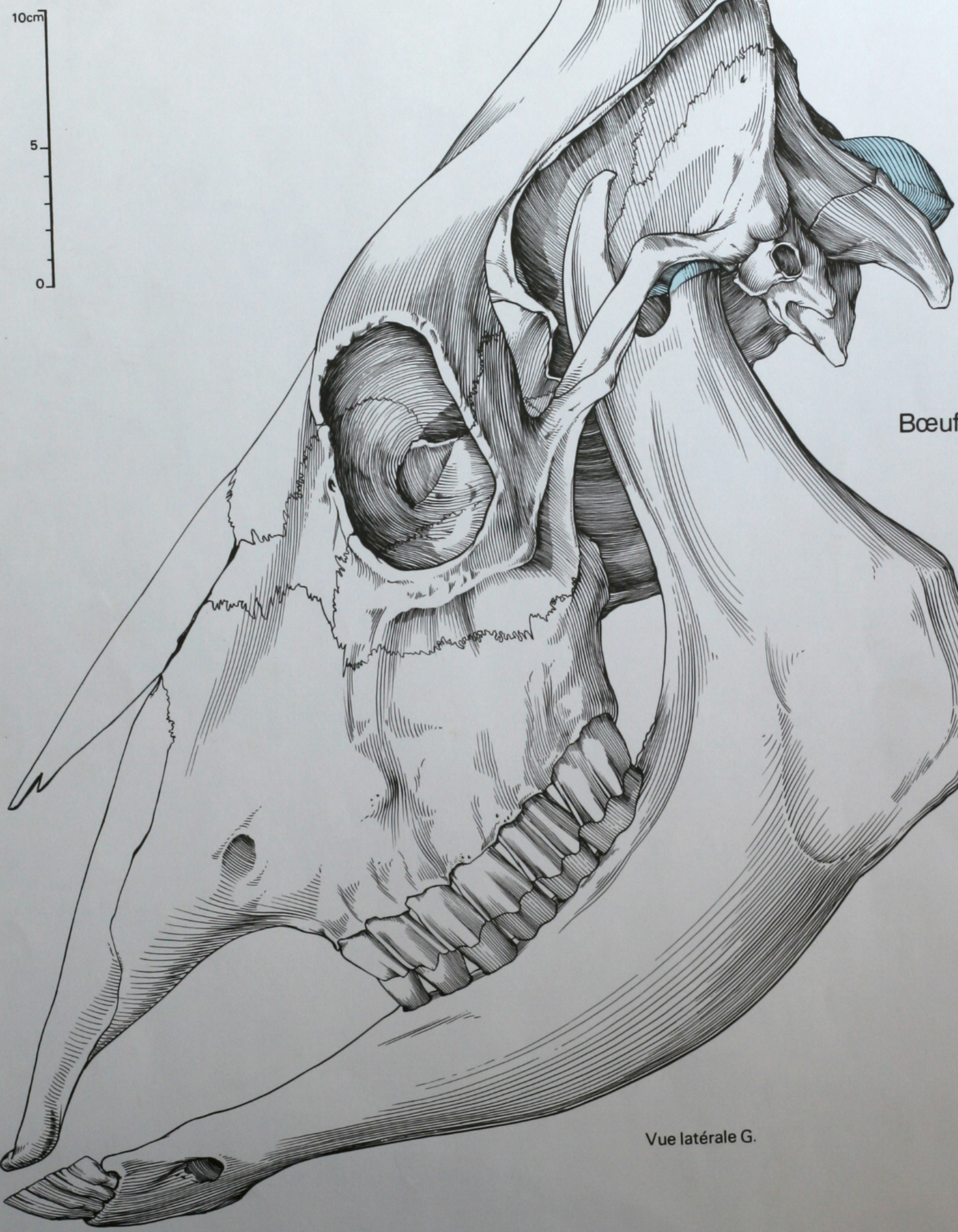



Crâne
Mandibules
vue frontale
0
5
10cm
Cheval

SQUELETTE

Bœuf ♂



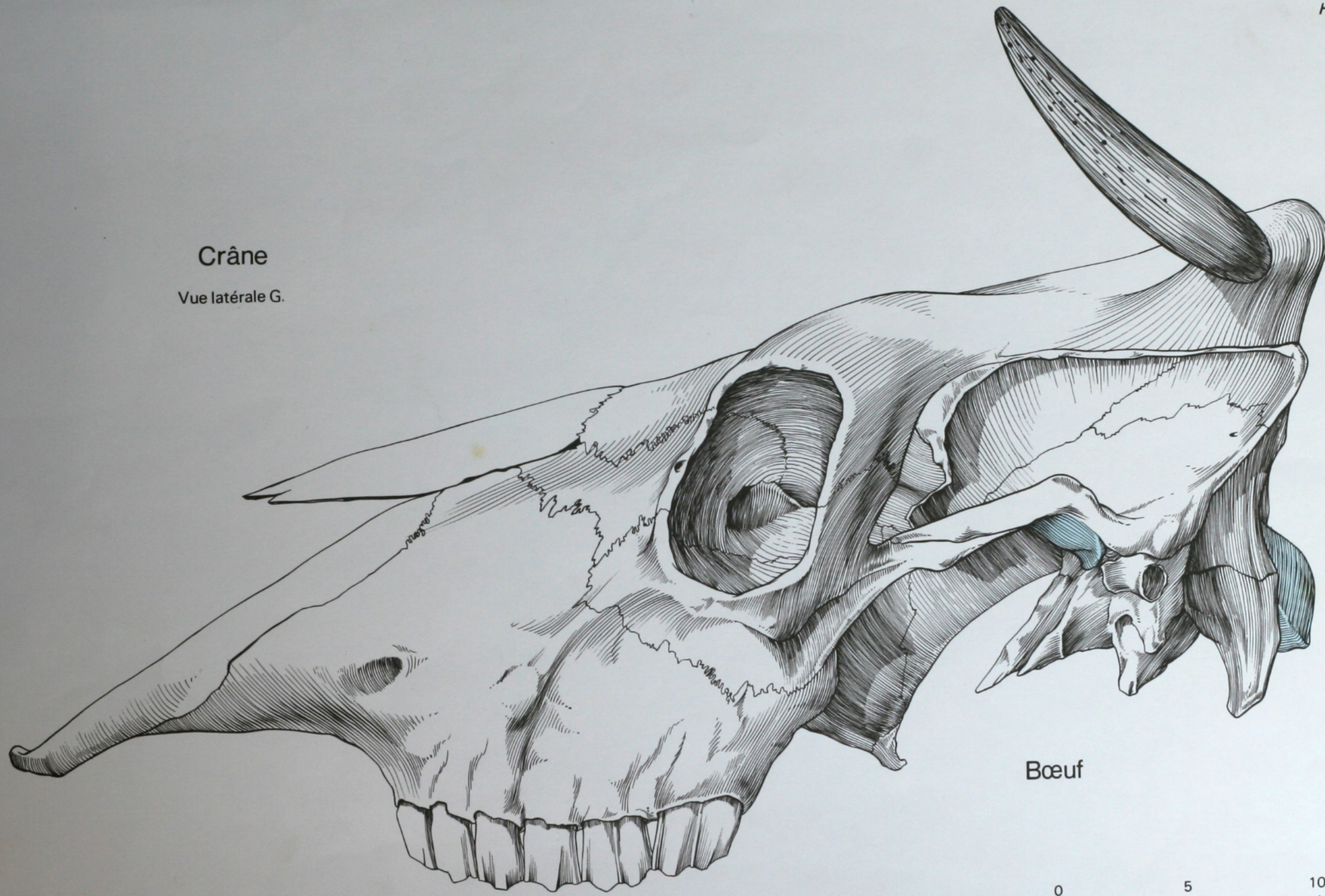


Bœuf

Vue latérale G.

Crâne

Vue latérale G.

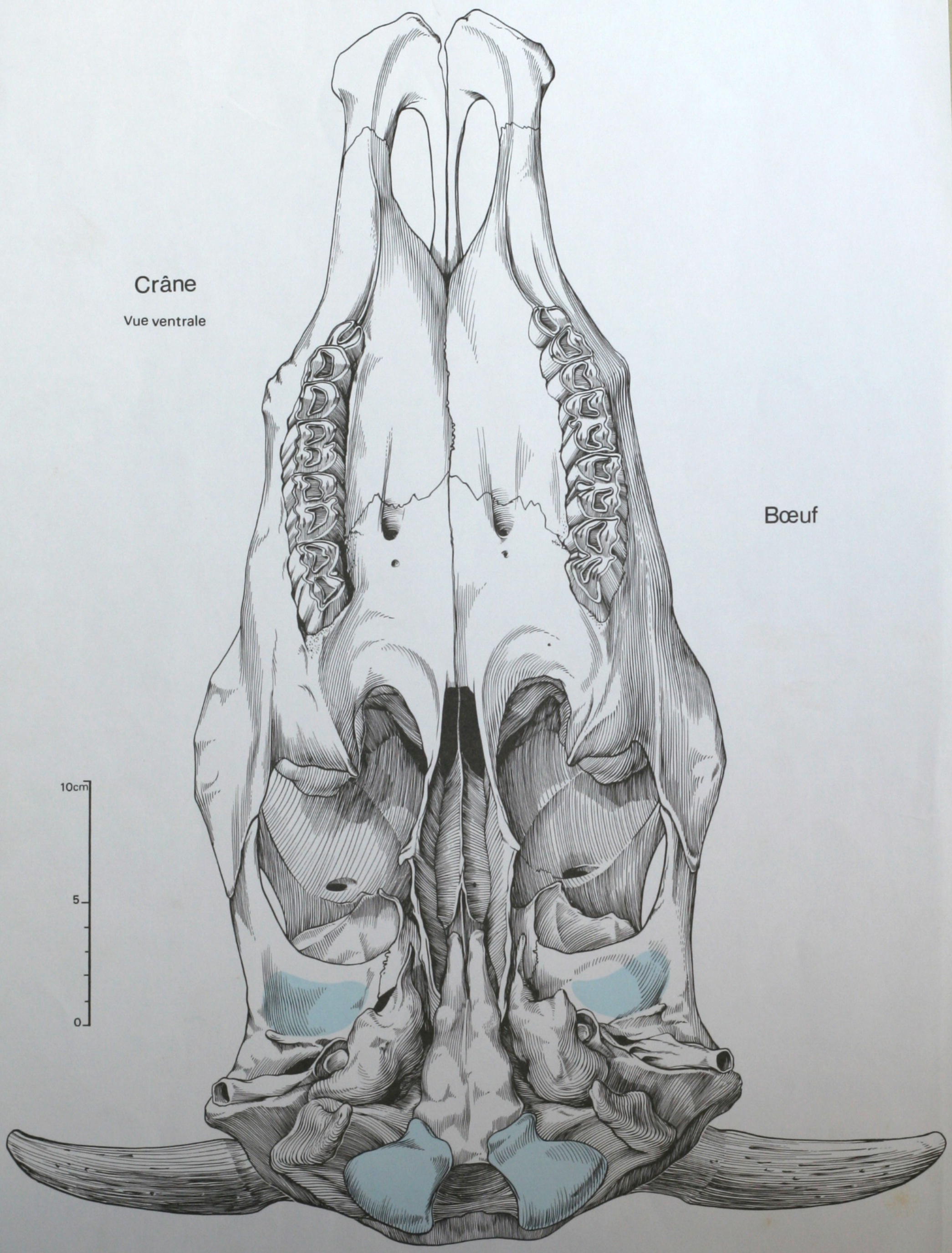


Bœuf

0 5 10cm

Crâne

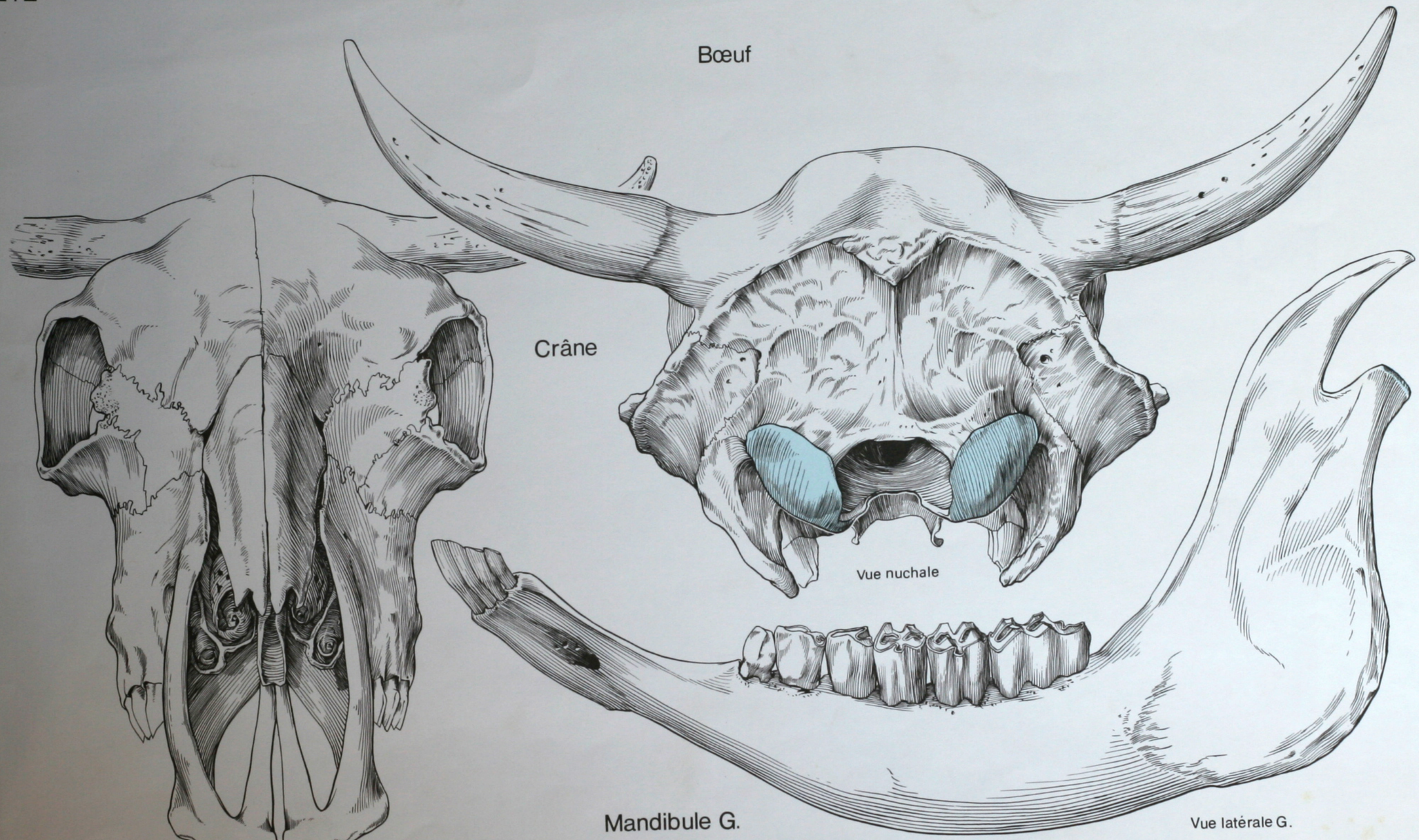
Vue ventrale



Bœuf

TÊTE

Bœuf



Vue rostrale

Crâne

Vue nuchale

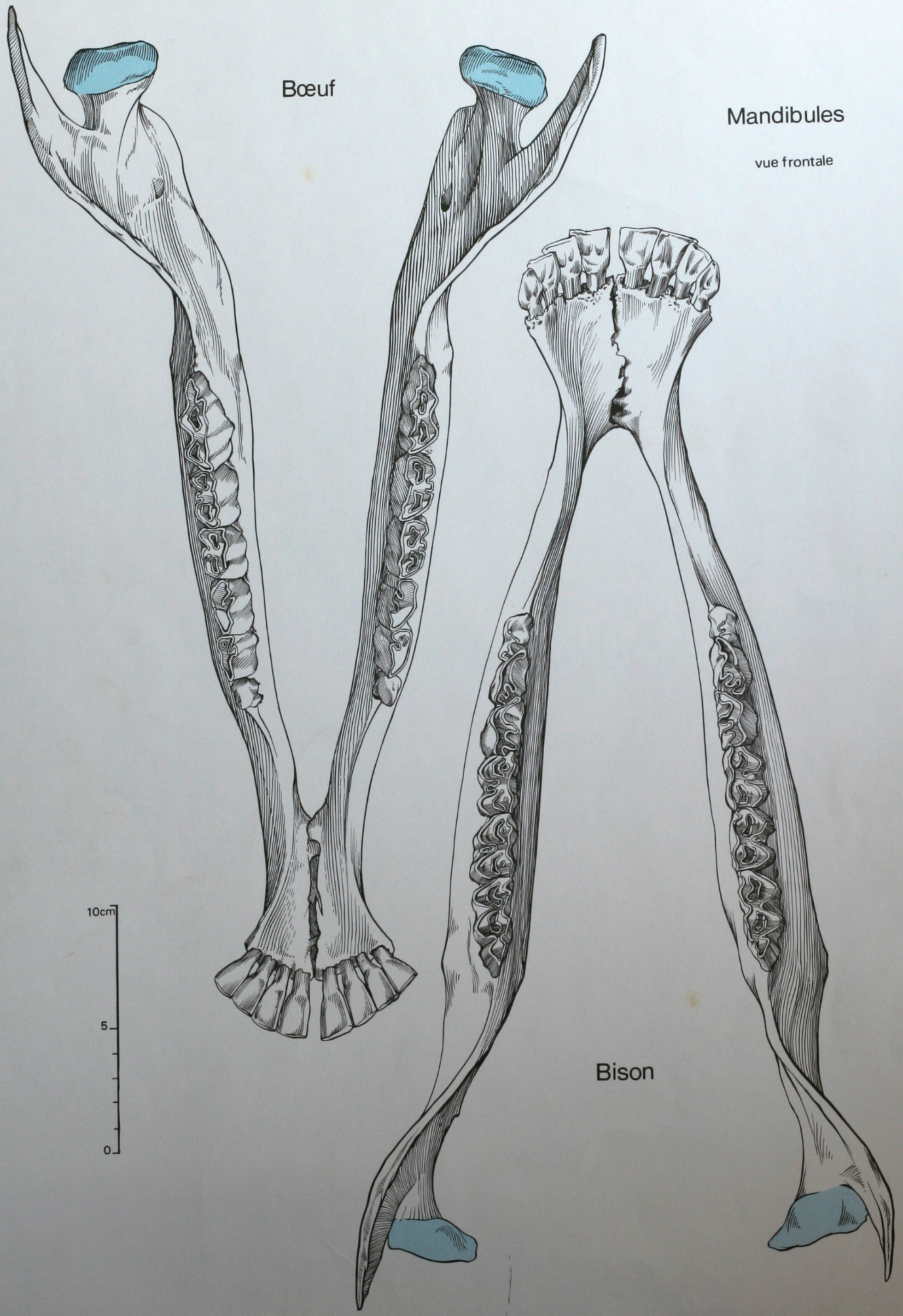
Mandibule G.

Vue latérale G.

0 5 10cm

Mandibules

vue frontale

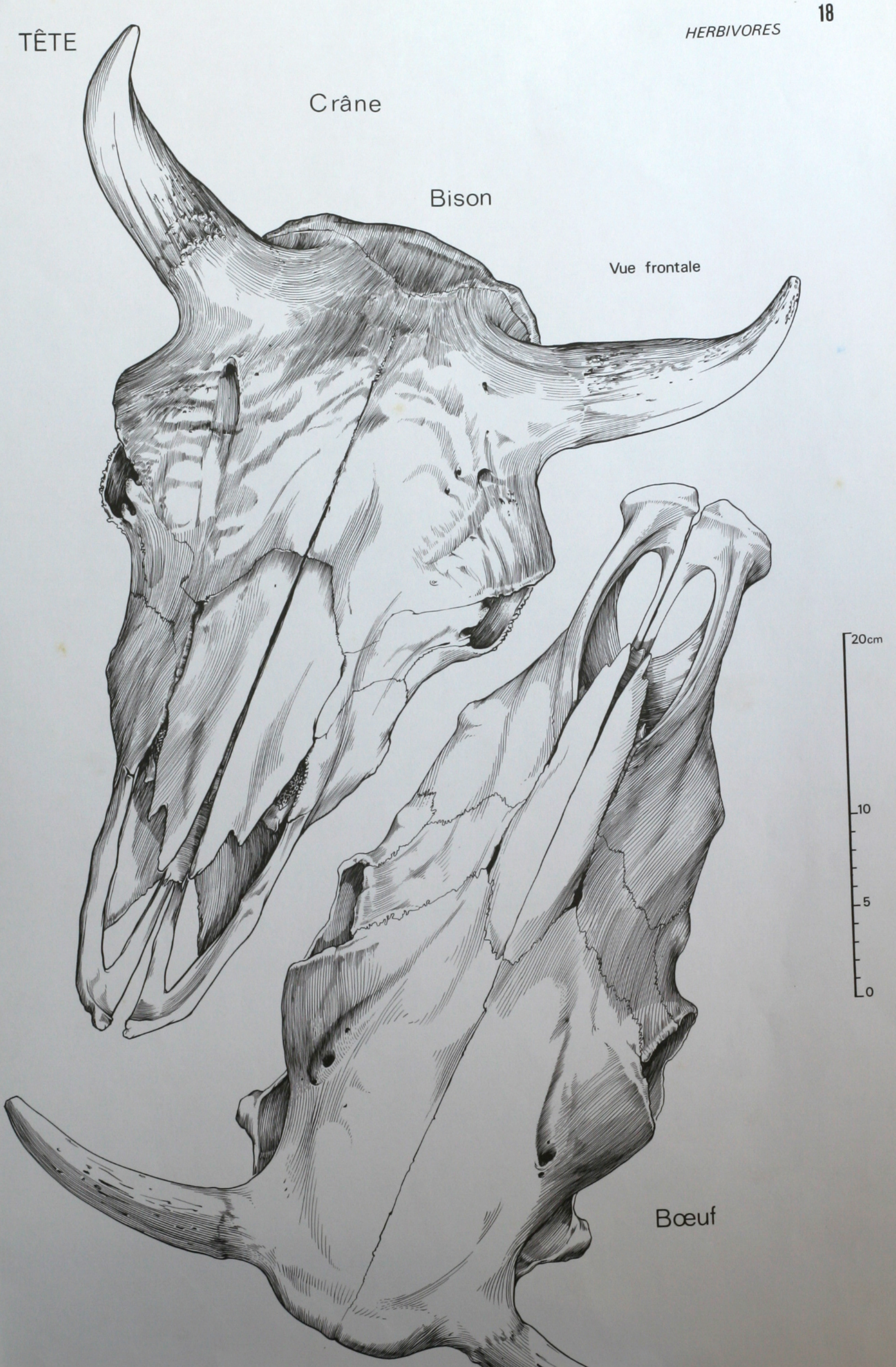


TÊTE

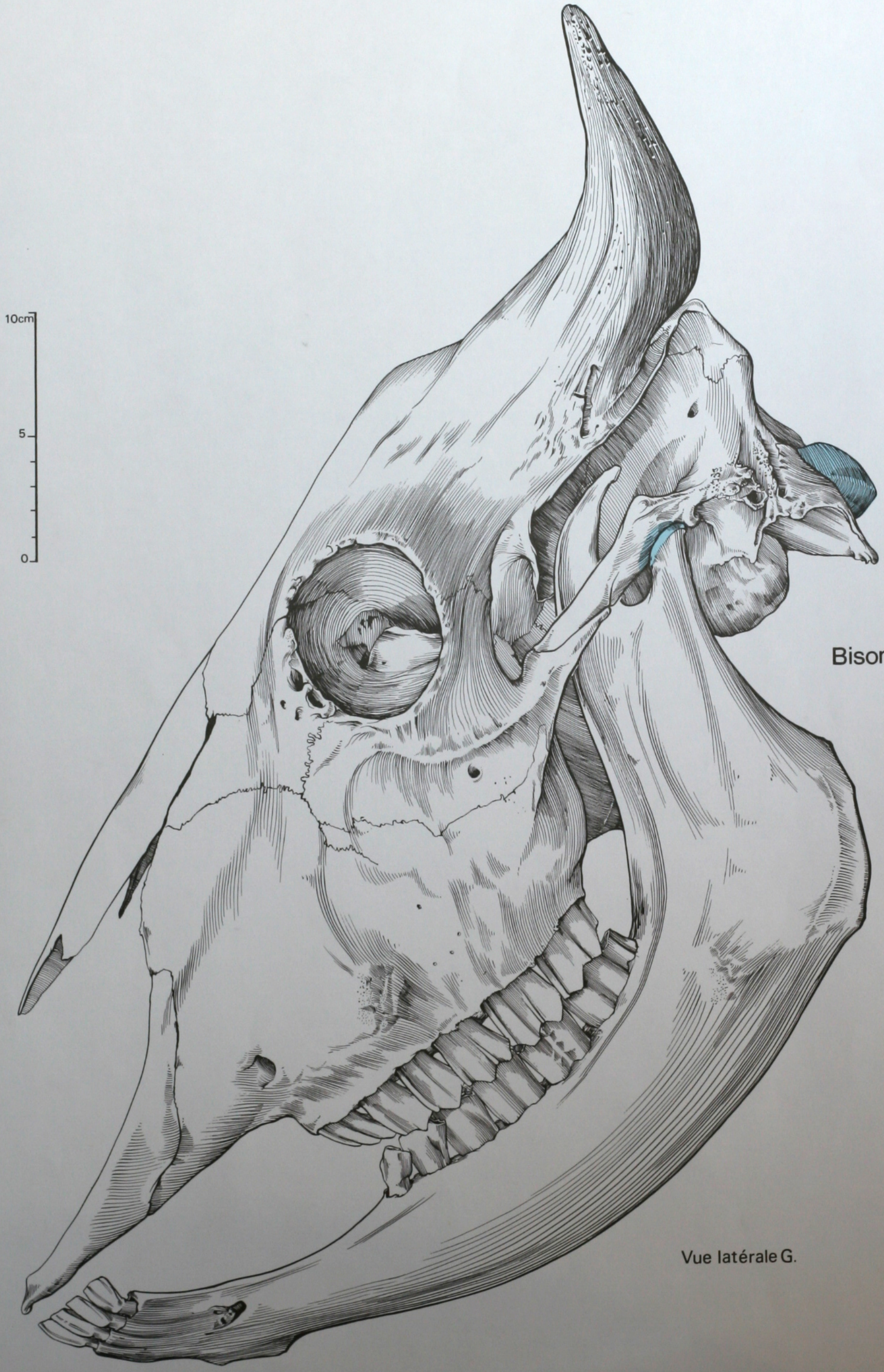
Crâne

Bison

Vue frontale



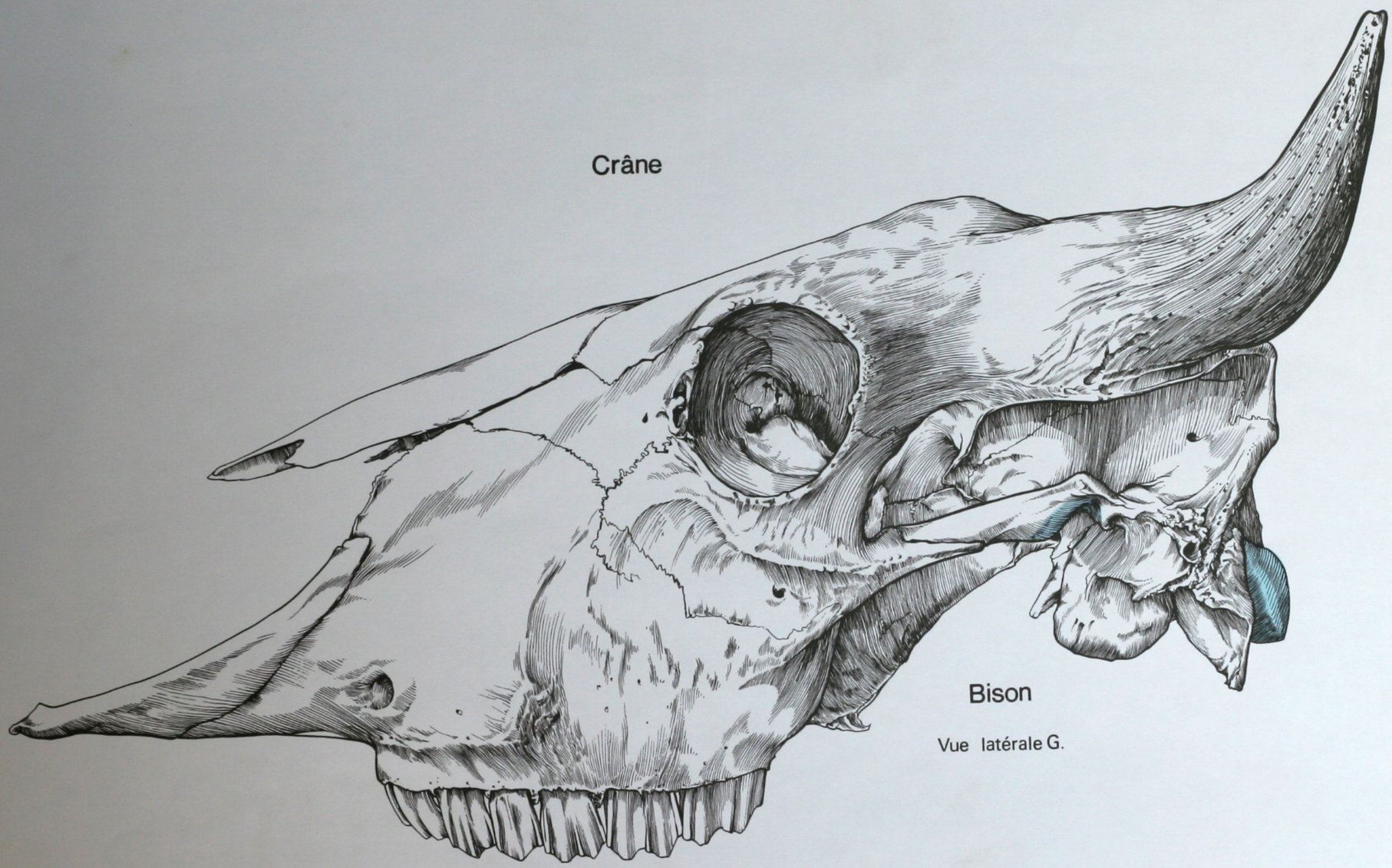
Bœuf



Bison

Vue latérale G.

Crâne

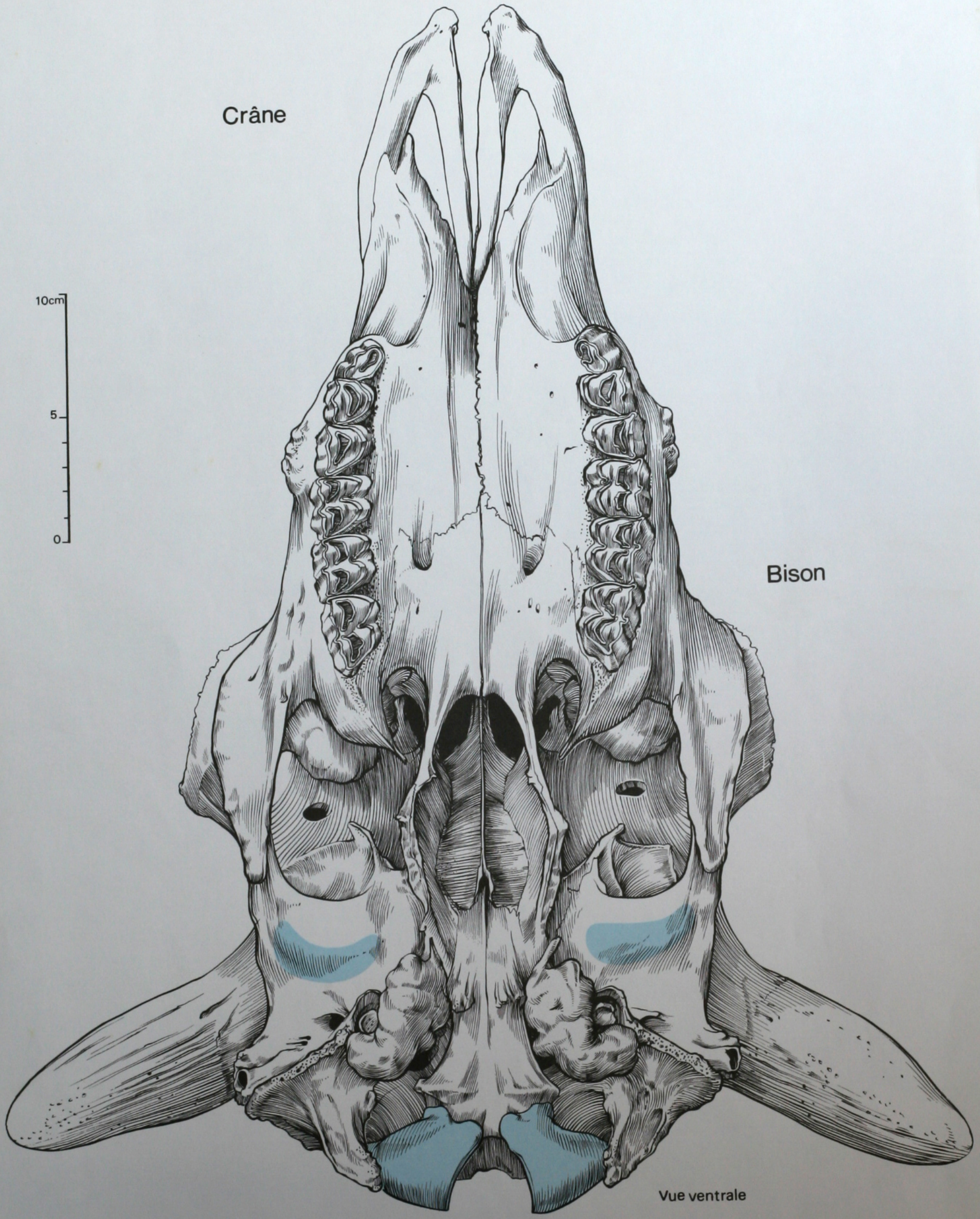


Bison

Vue latérale G.

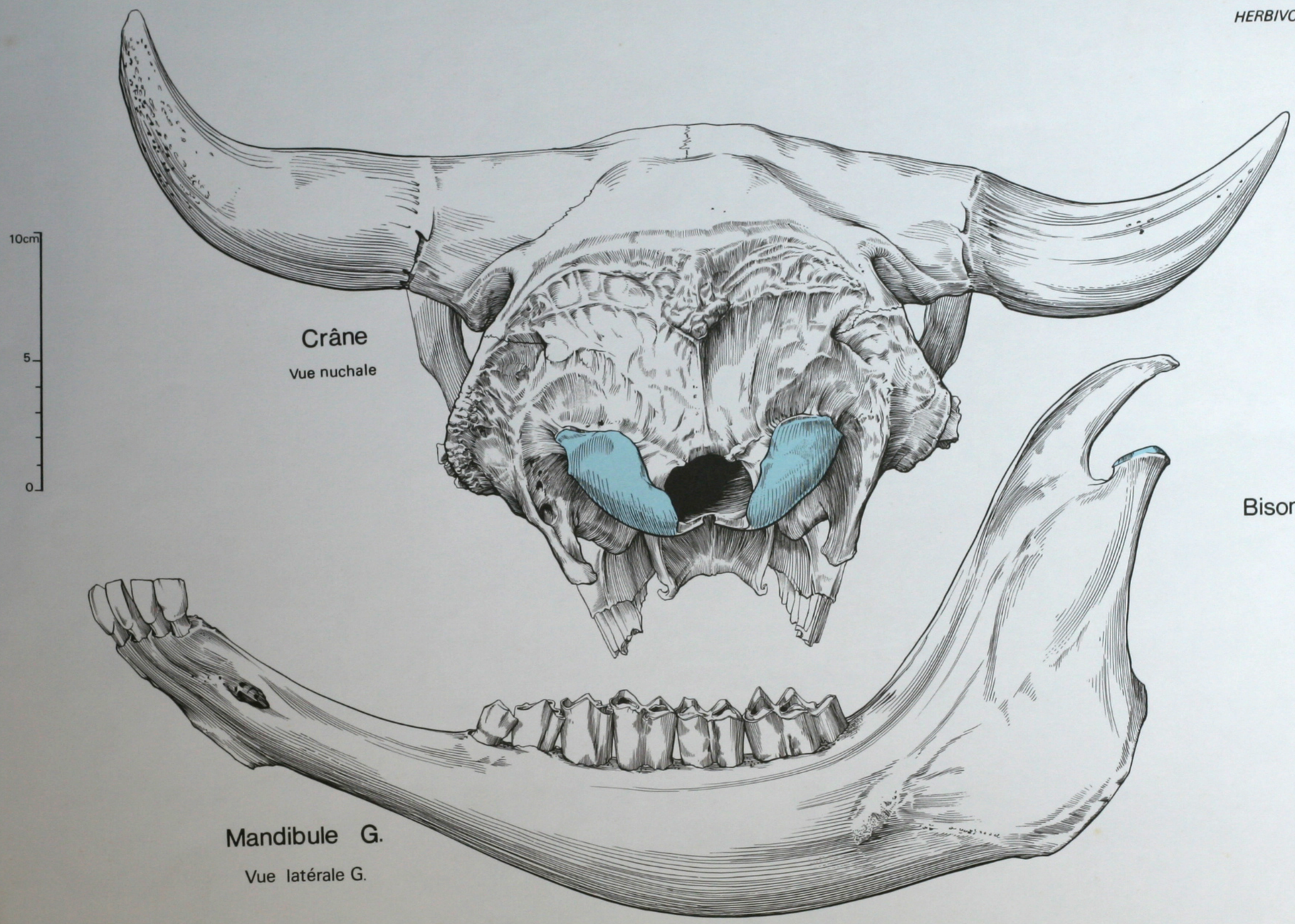
0 5 10cm

Crâne



Bison

Vue ventrale



Crâne

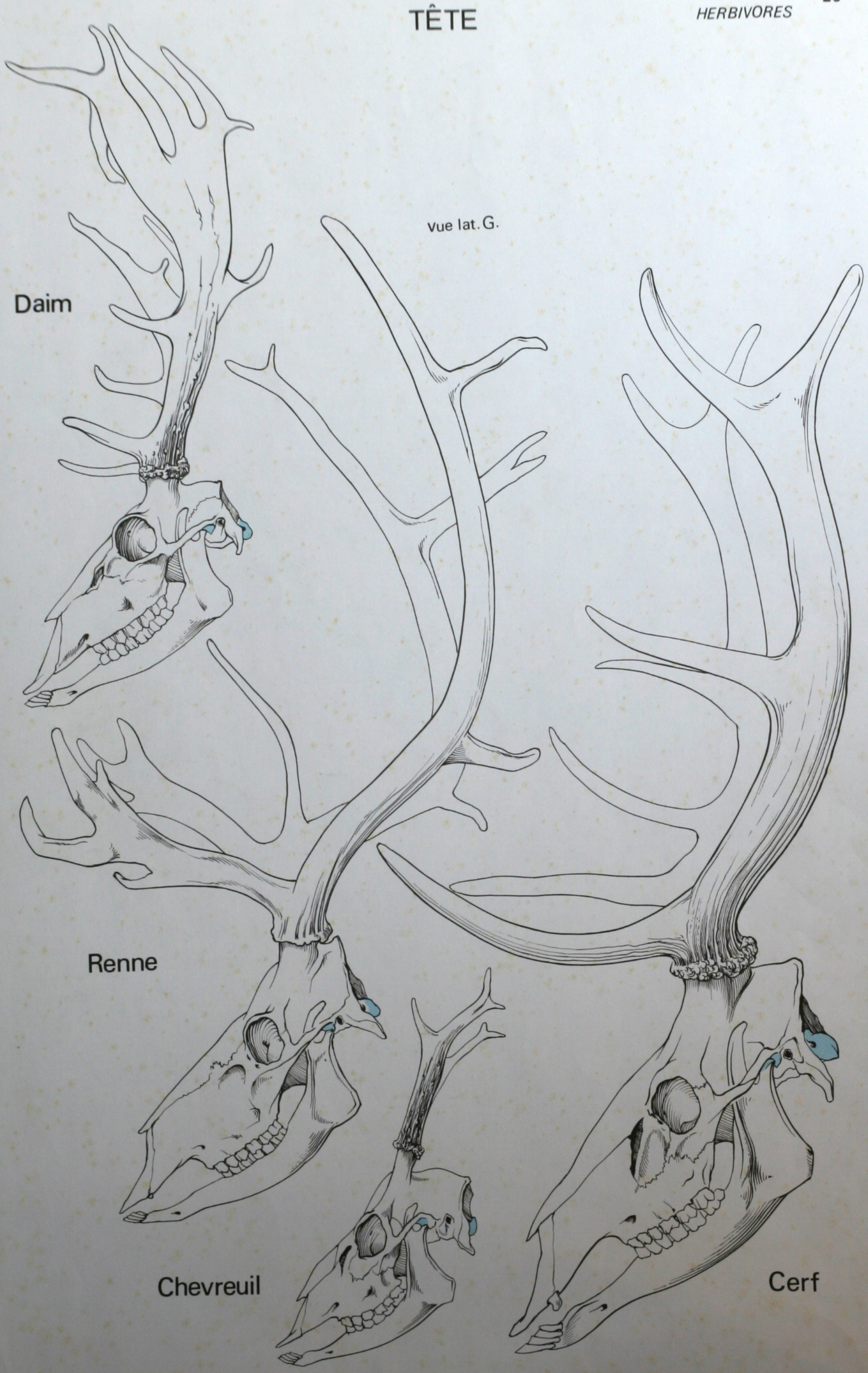
Vue nuchale

Mandibule G.

Vue latérale G.

Bison

TÊTE



vue lat. G.

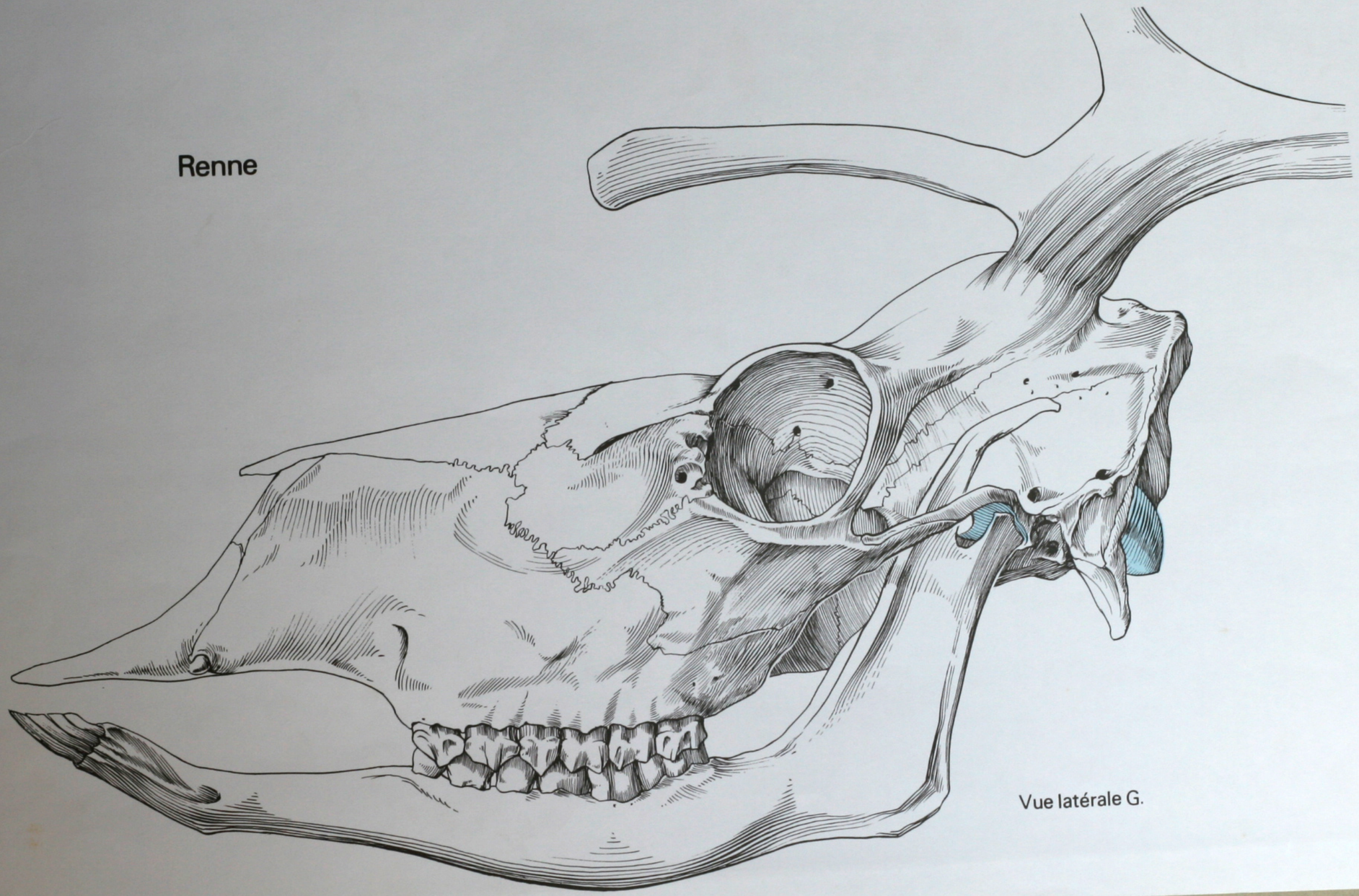
Daim

Renne

Chevreuil

Cerf

Renne

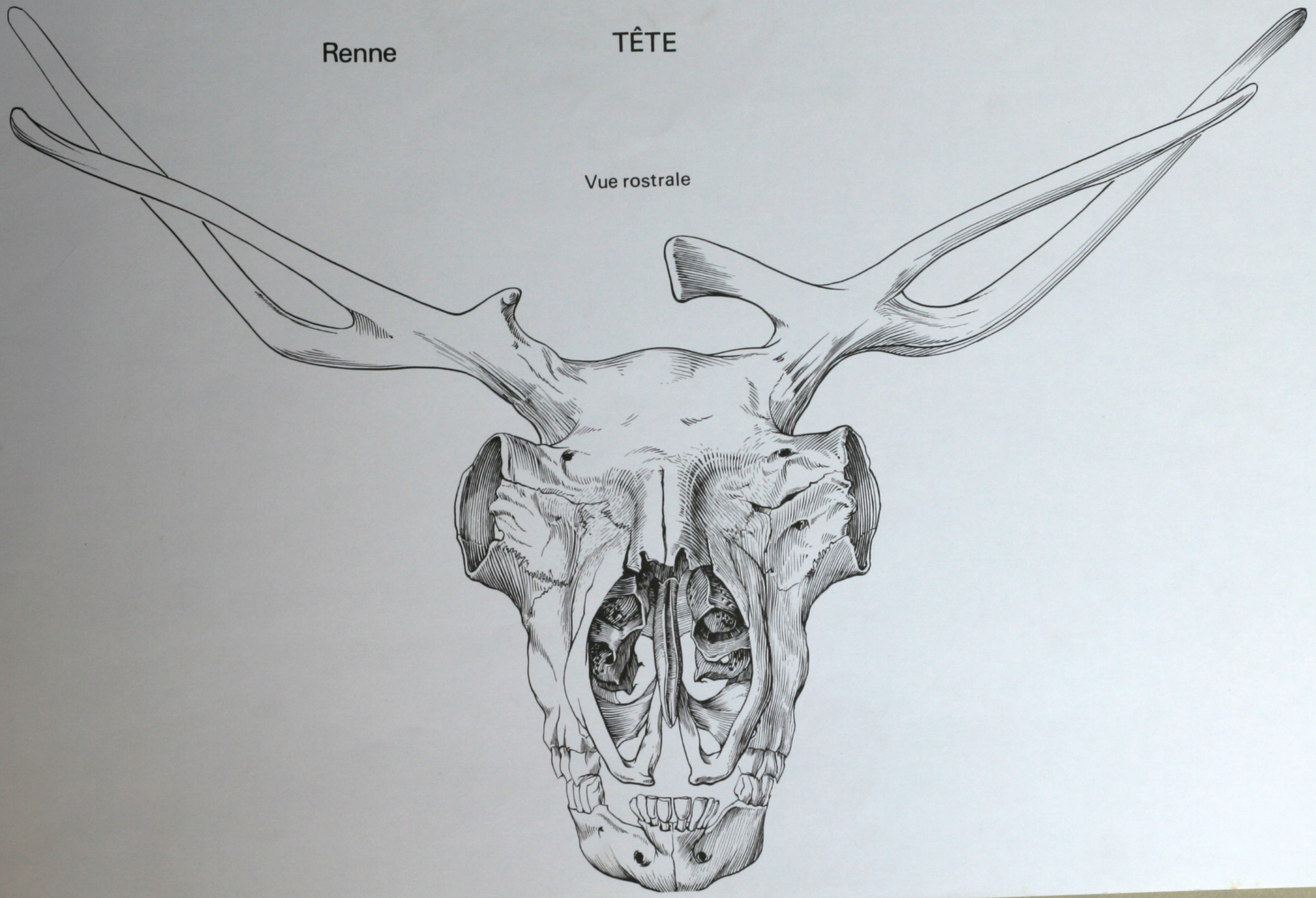


Vue latérale G.

Renne

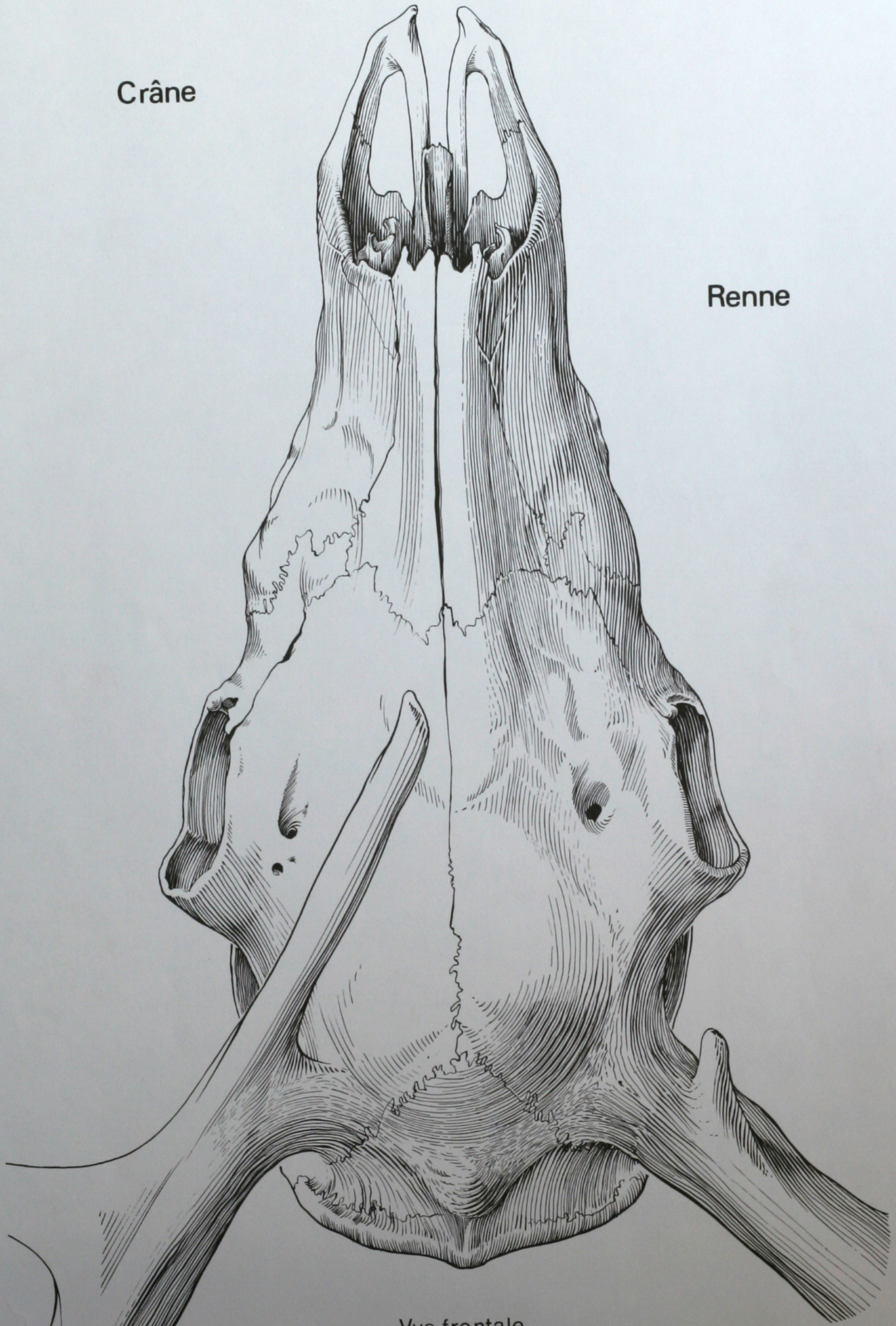
TÊTE

Vue rostrale



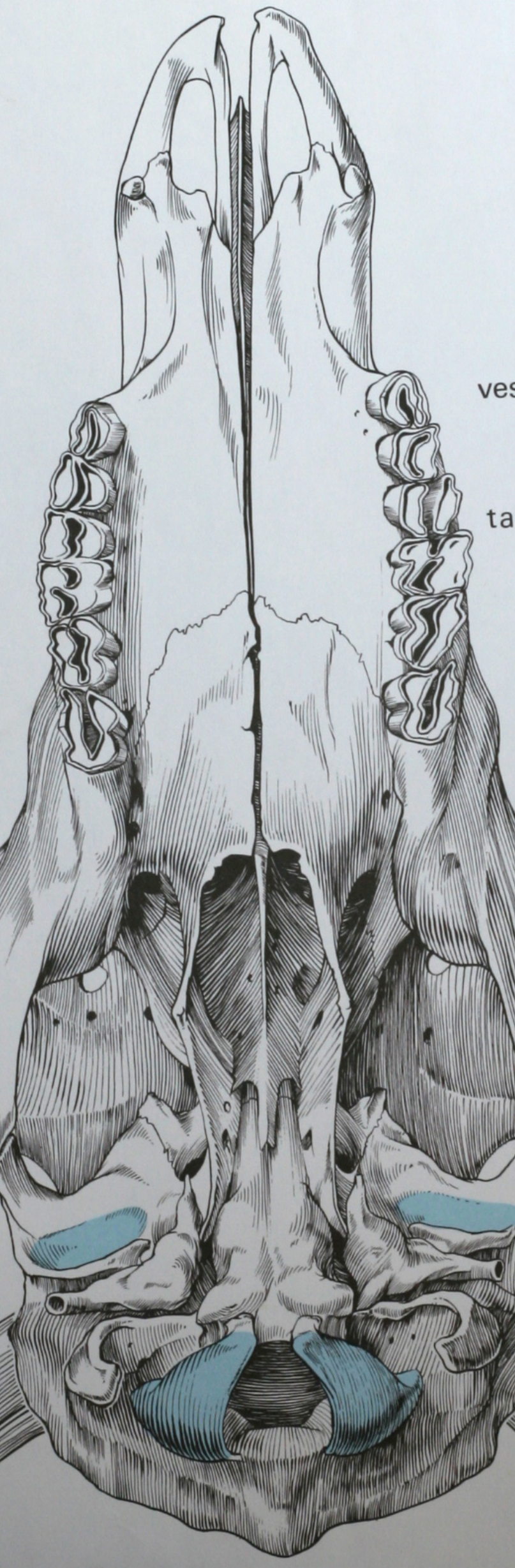
Crâne

Renne

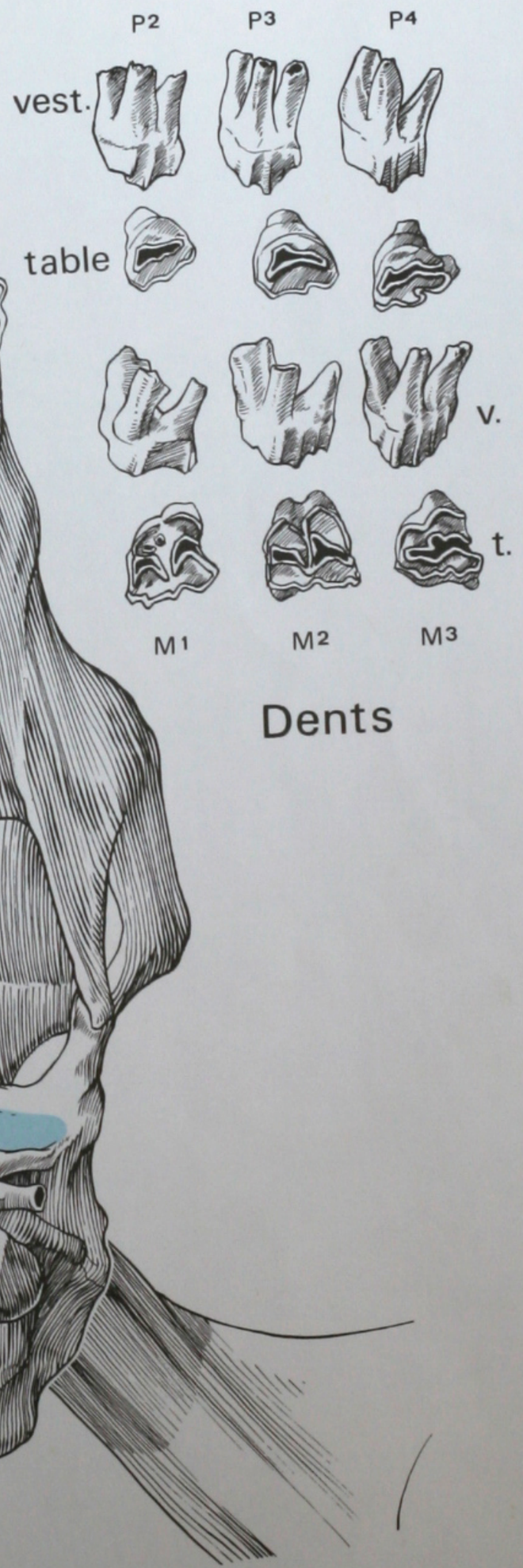


Vue frontale

Crâne



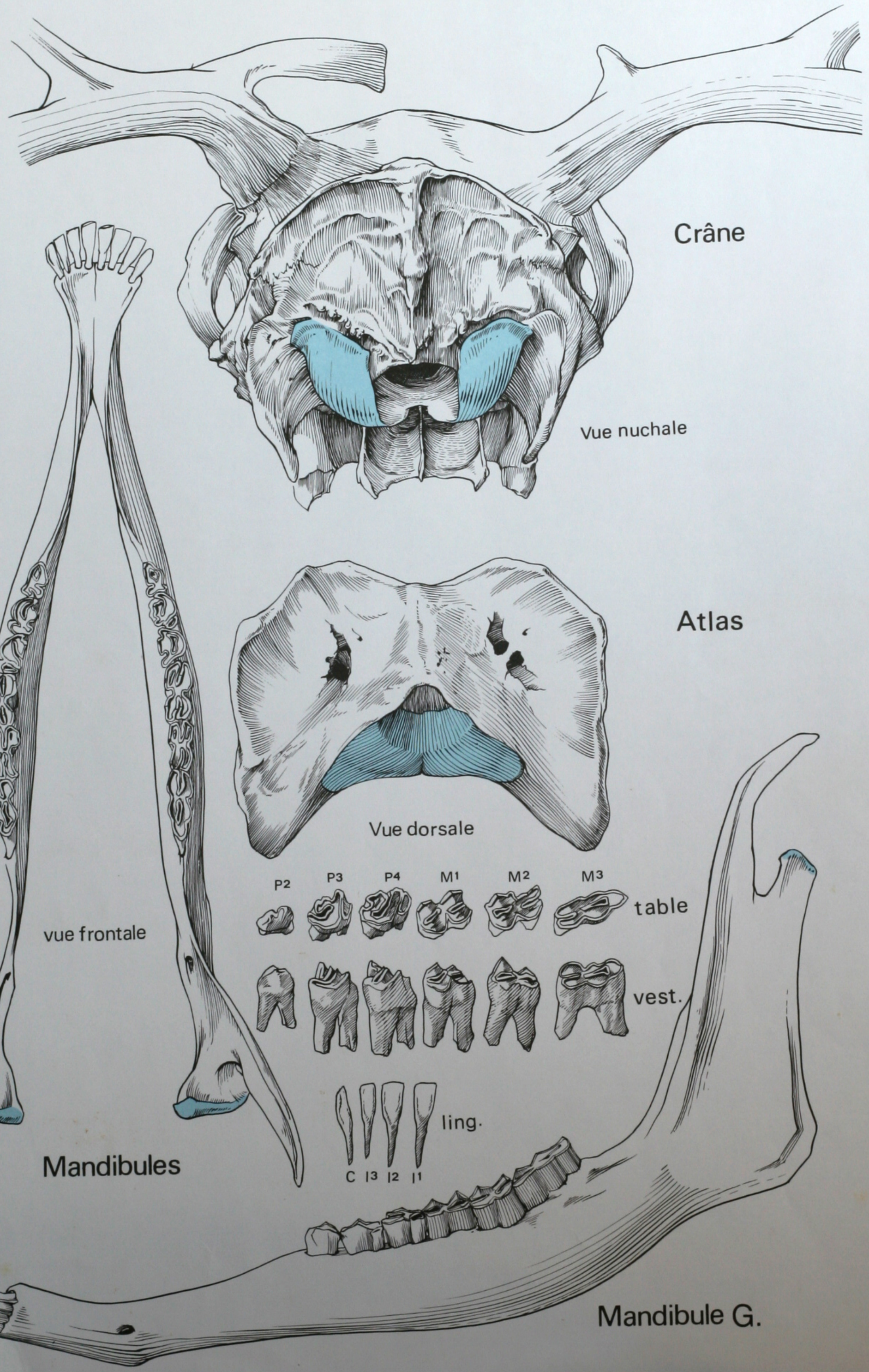
Renne



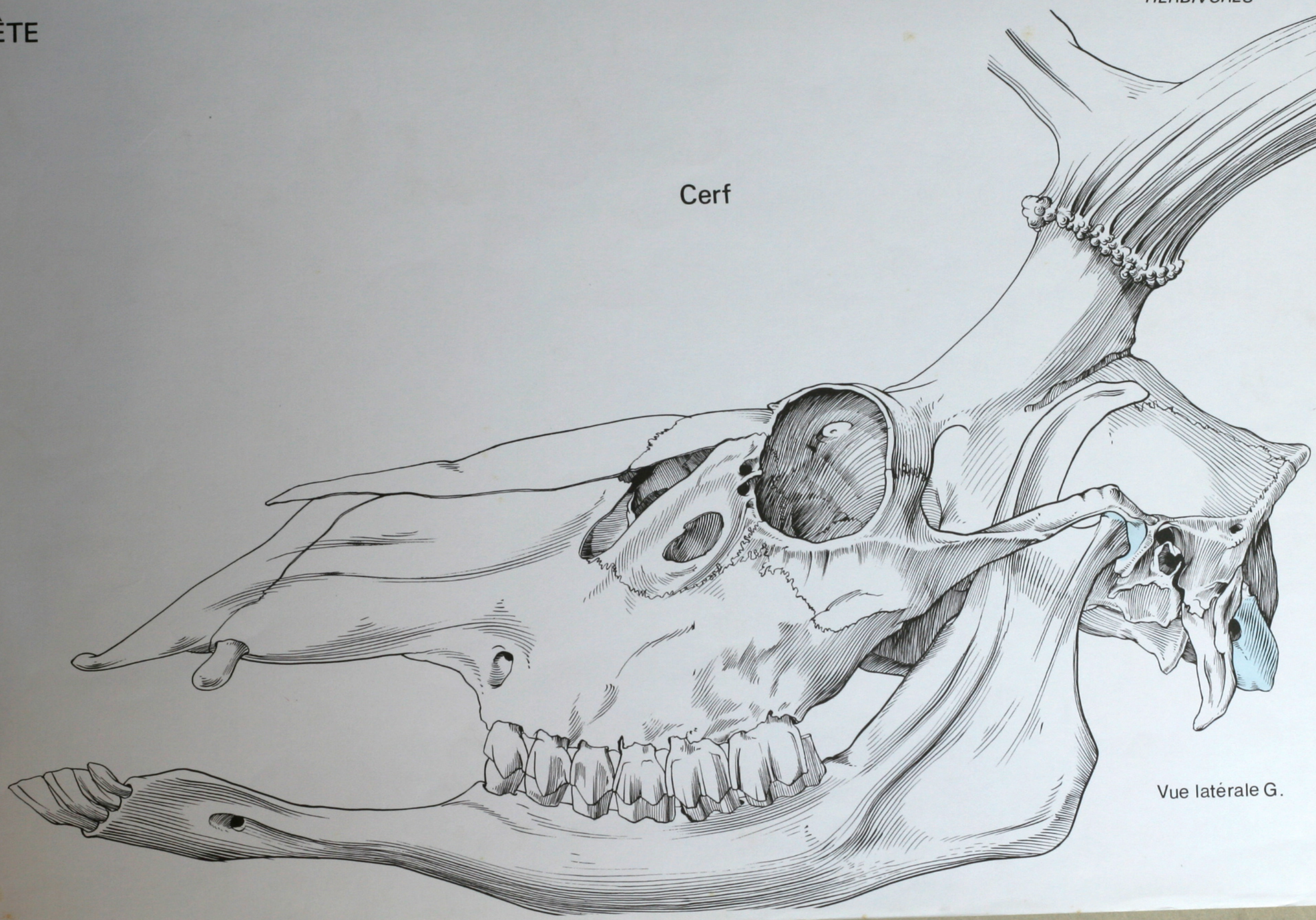
Dents

Vue ventrale

Renne


Crâne
Vue nuchale
Atlas
Vue dorsale
vue frontale
P2
P3
P4
M1
M2
M3
table
vest.
ling.
C
I3
I2
I1
Mandibules
Mandibule G.

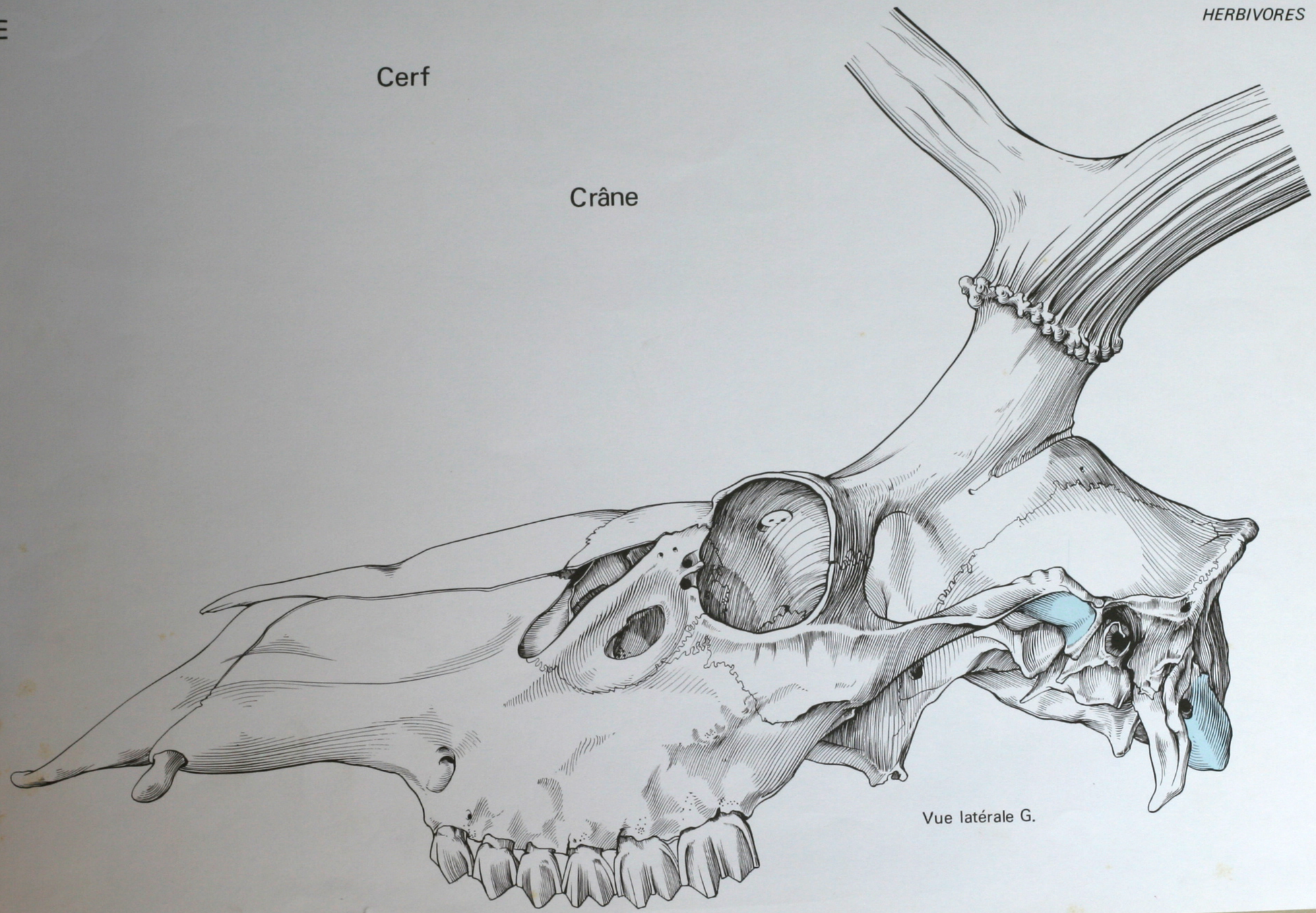
Cerf



Vue latérale G.

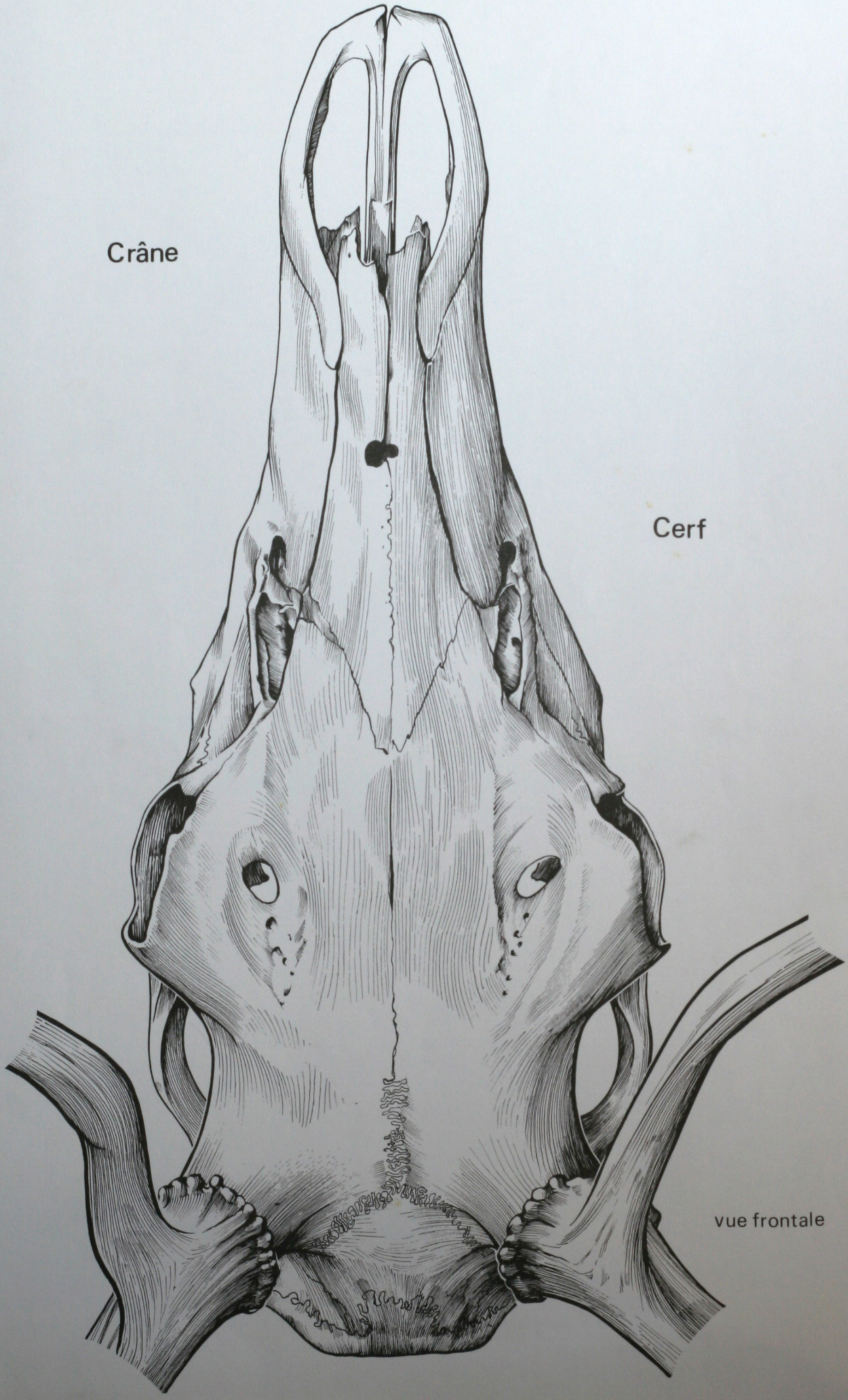
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Crâne



Vue latérale G.

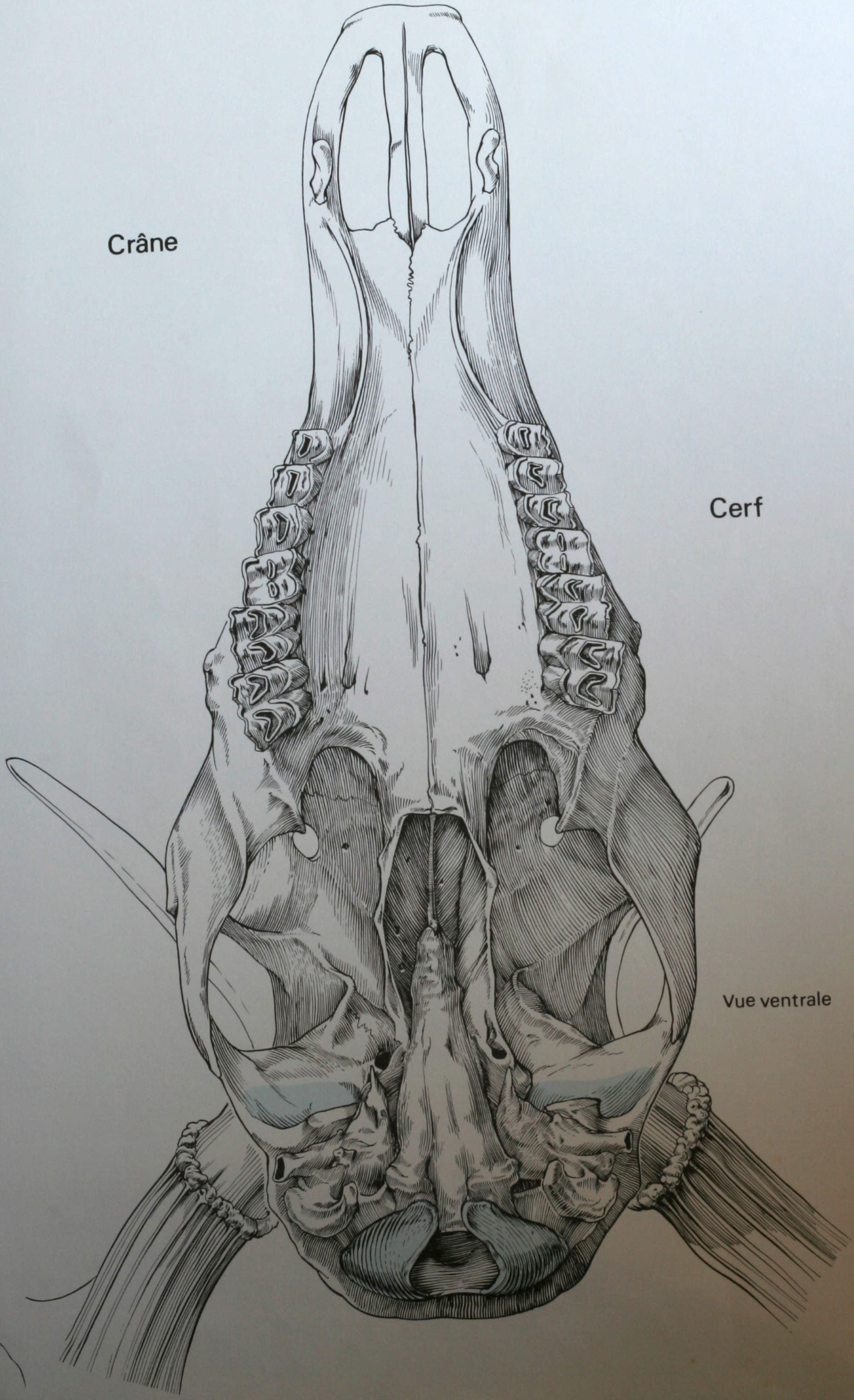
Crâne



Cerf

vue frontale

Crâne

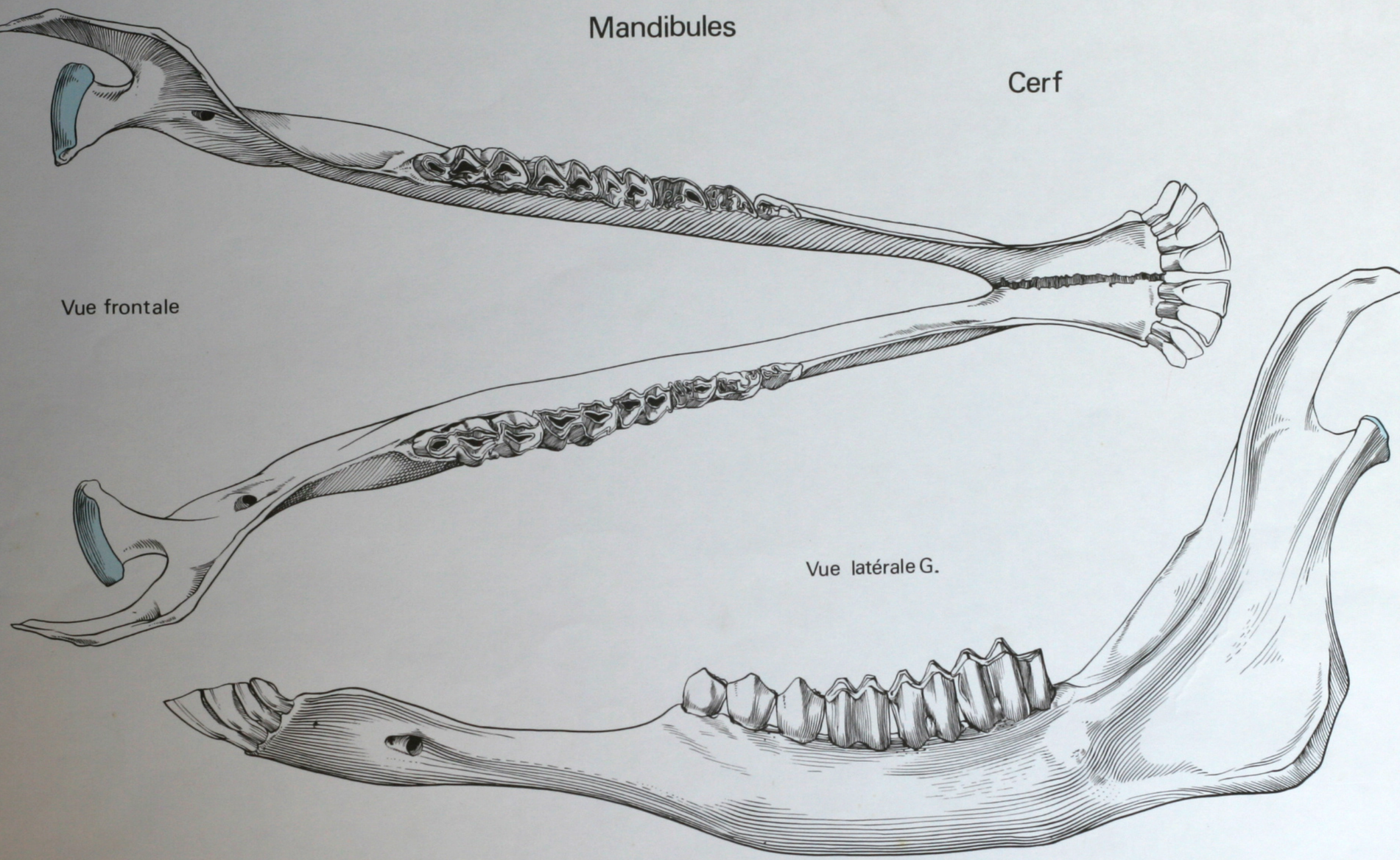


Cerf

Vue ventrale

Mandibules

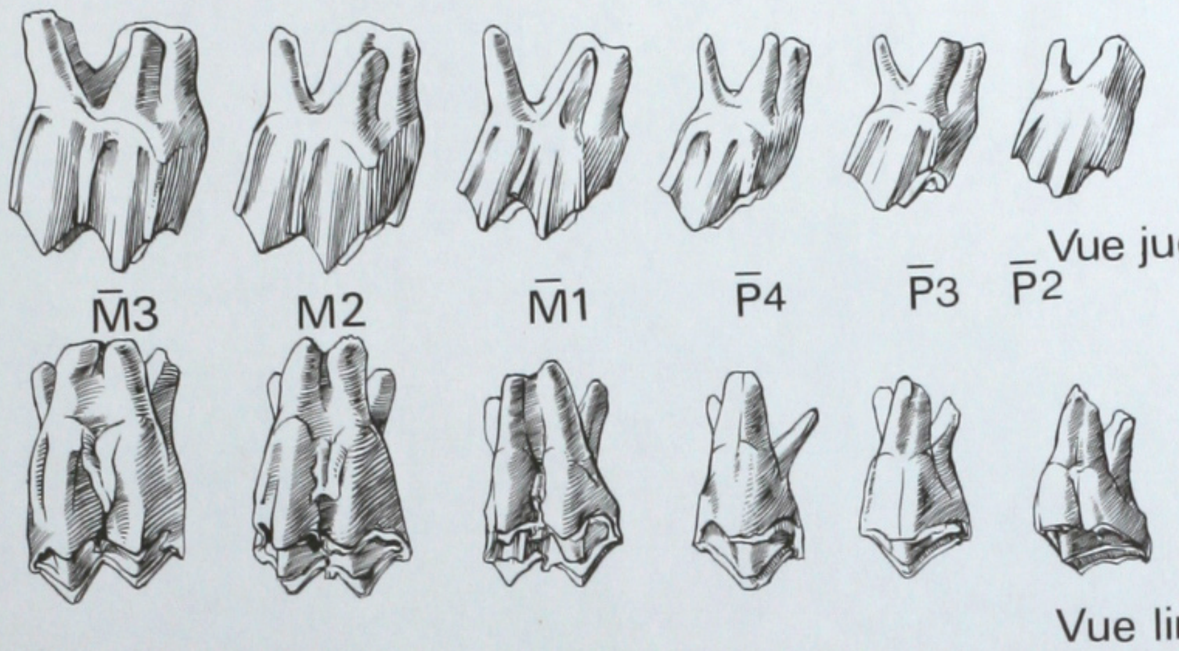
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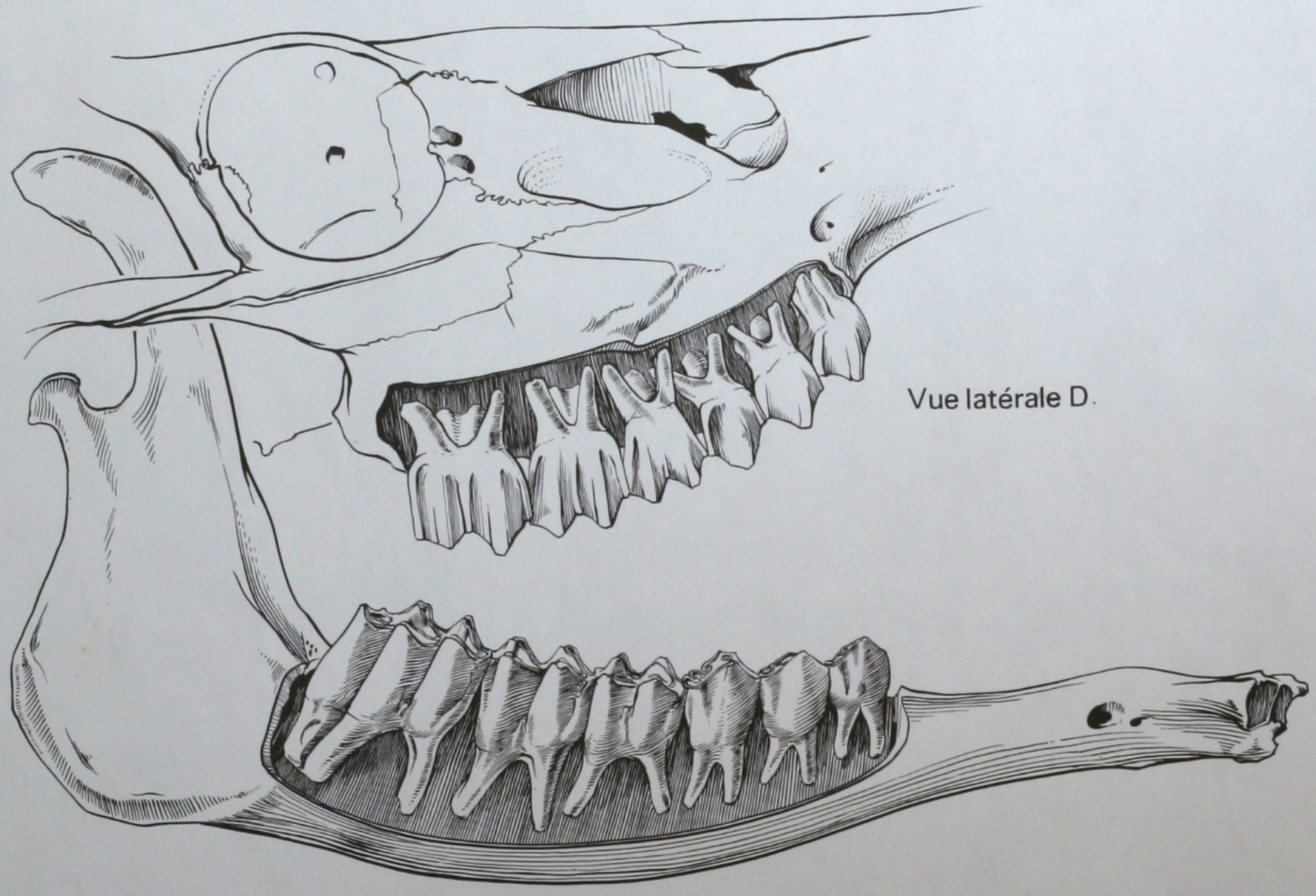


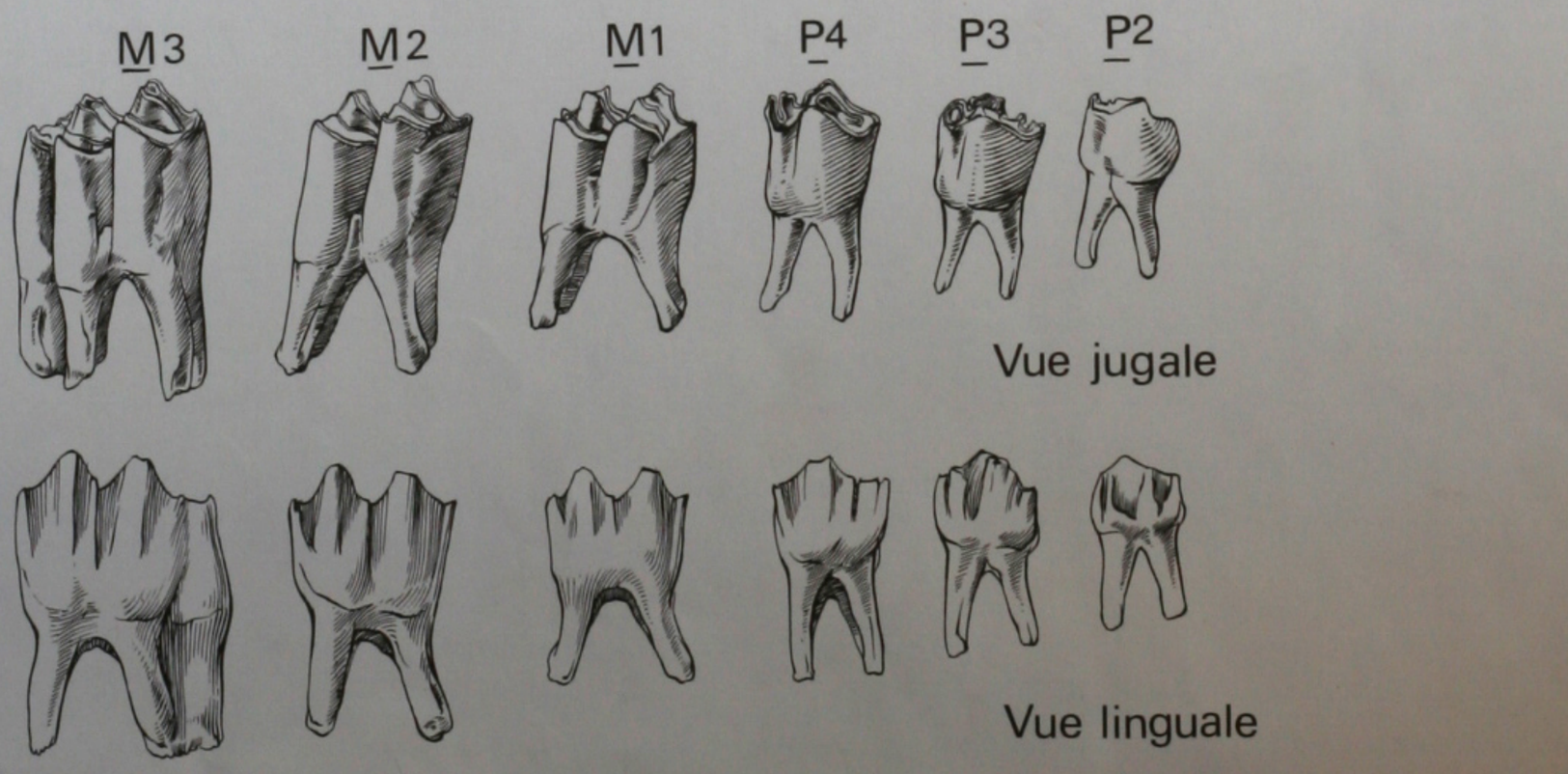
Vue frontale

Vue latérale G.

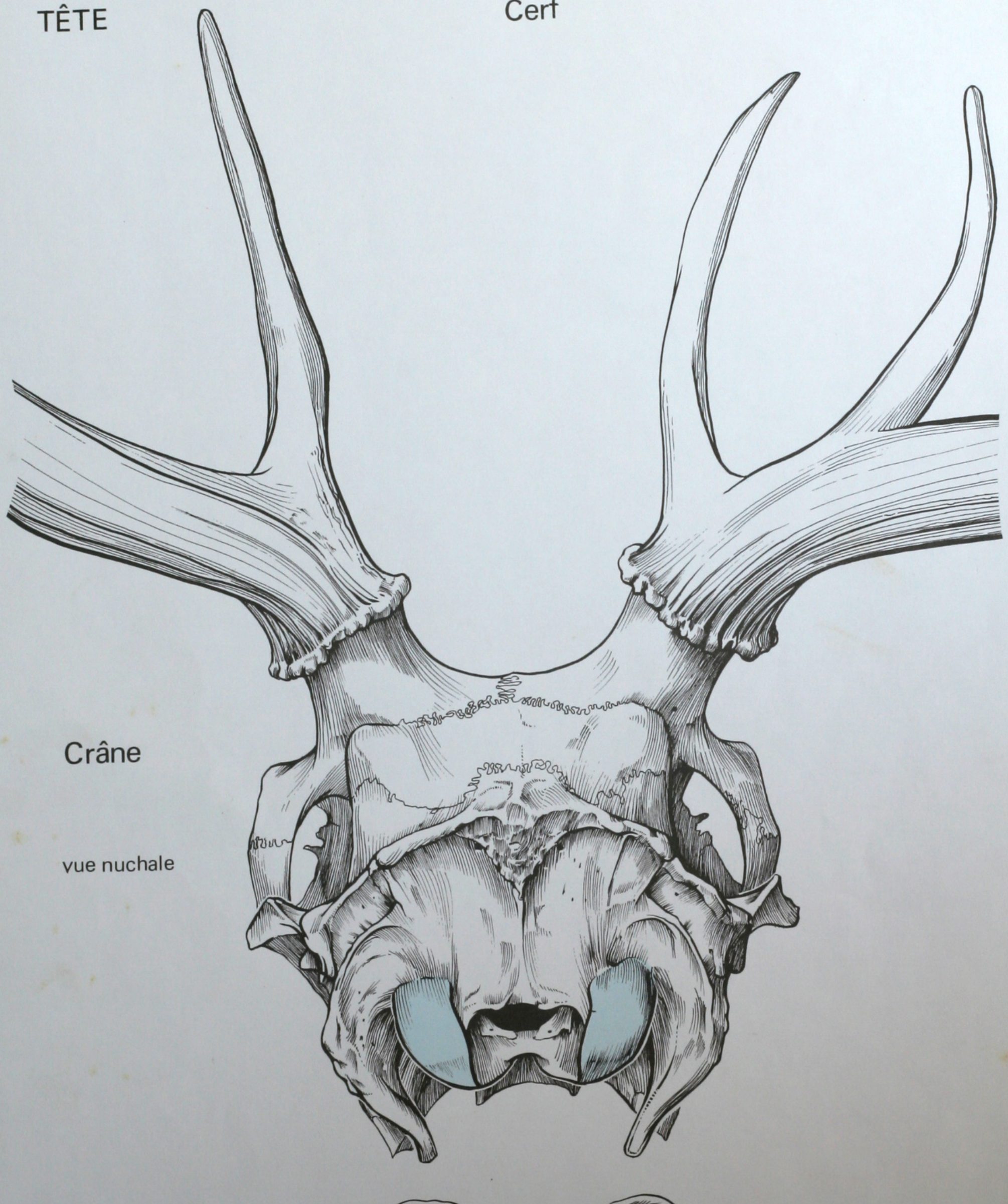
Cerf
Dents


M̄3
M2
M̄1
P̄4
P̄3
P̄2
Vue jugale
M3
M2
M1
P4
P3
P2
Vue linguale


Vue latérale D.


M̲3
M̲2
M̲1
P̲4
P̲3
P̲2
Vue jugale
Vue linguale

Cerf



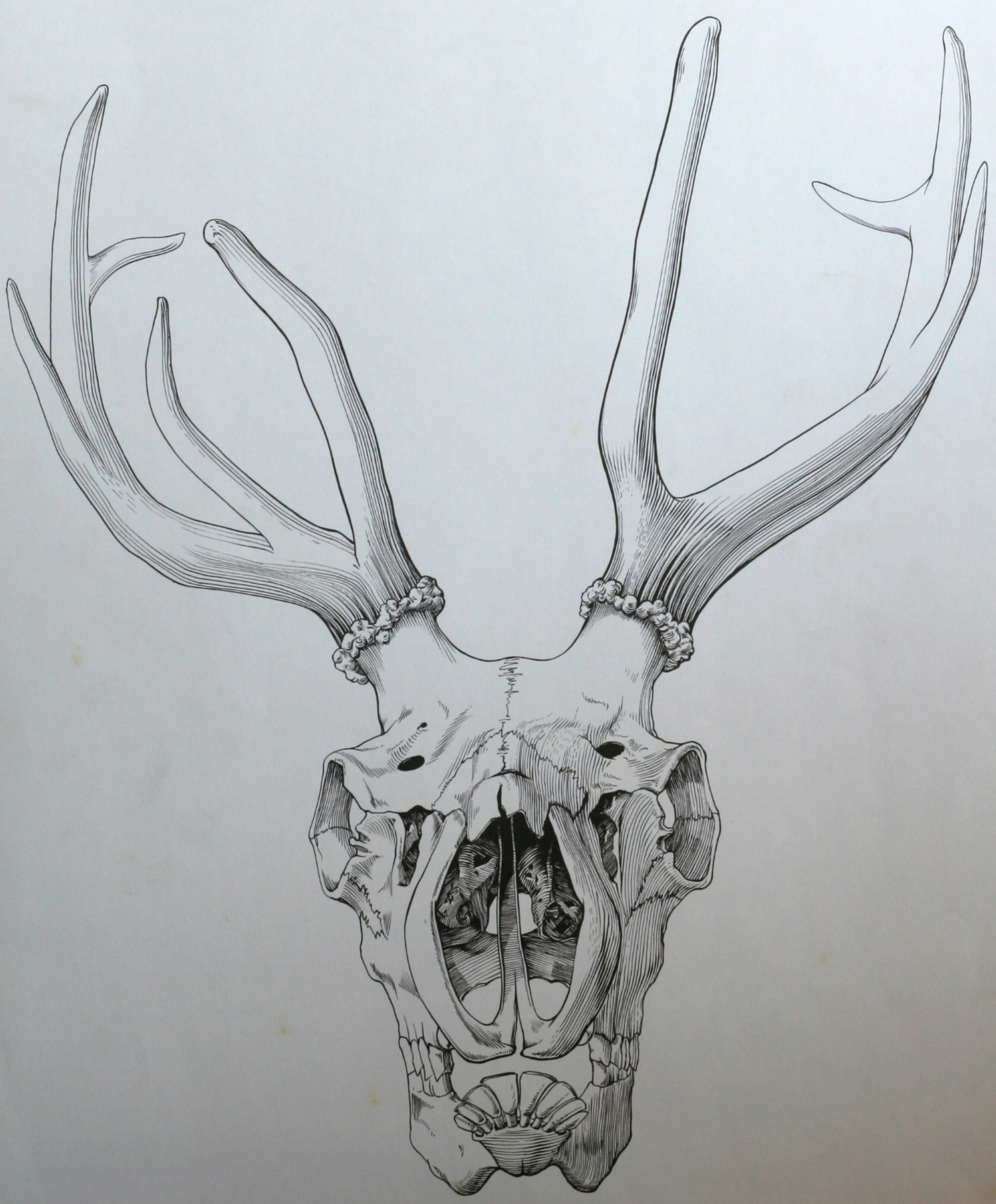
Crâne

vue nuchale

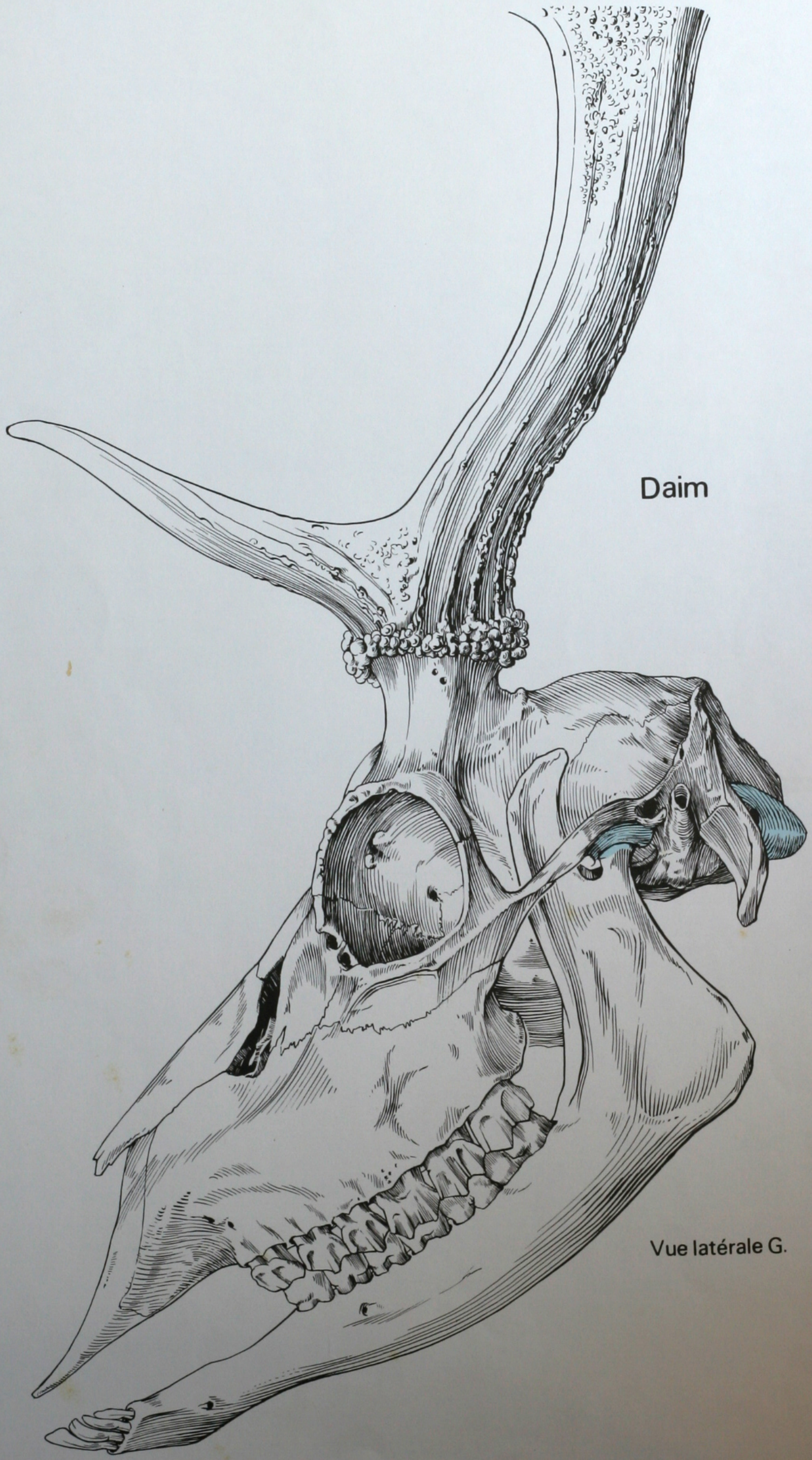
Atlas

vue dorsale

Cerf

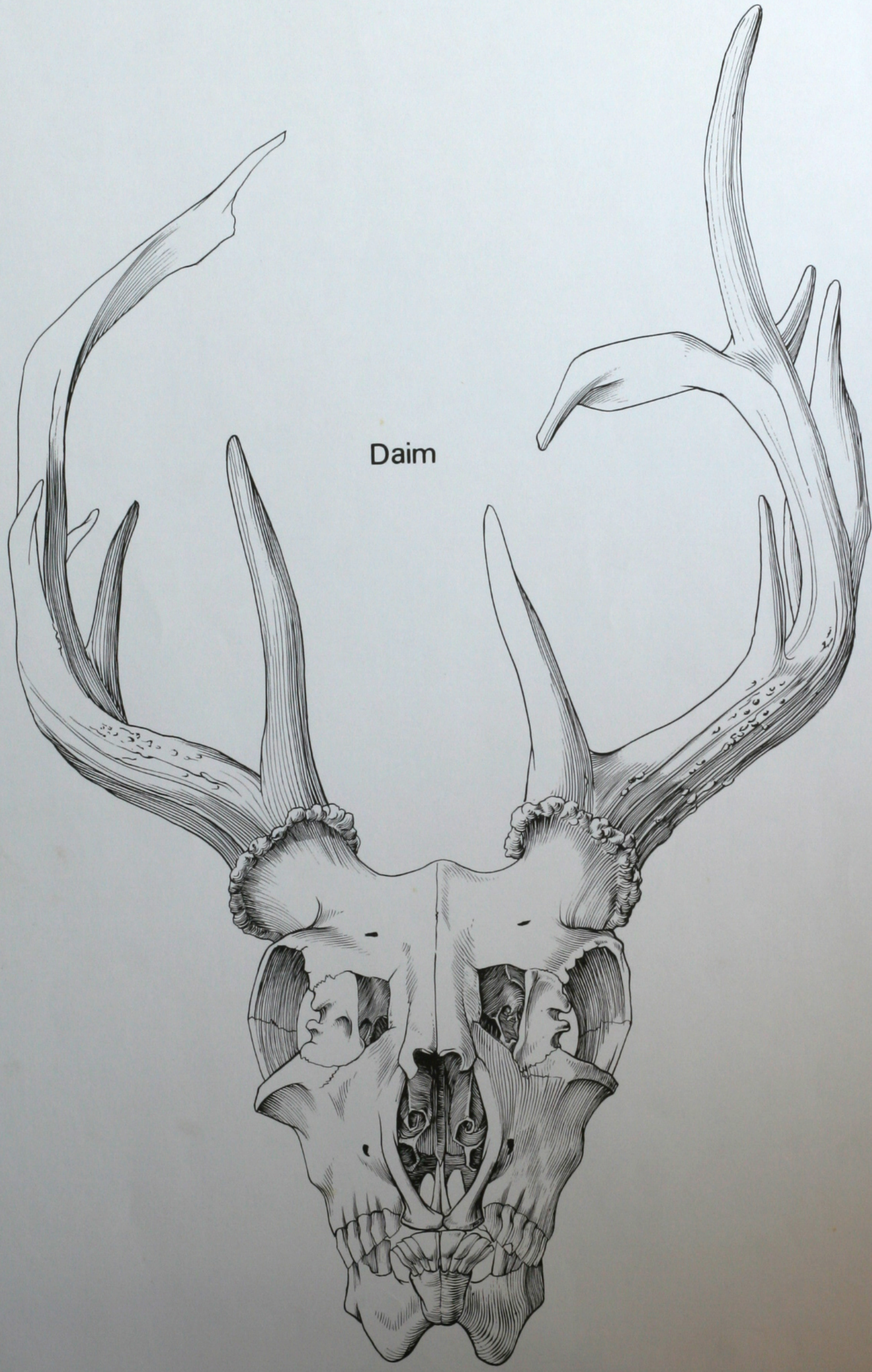


Vue rostrale



Daim

Vue latérale G.

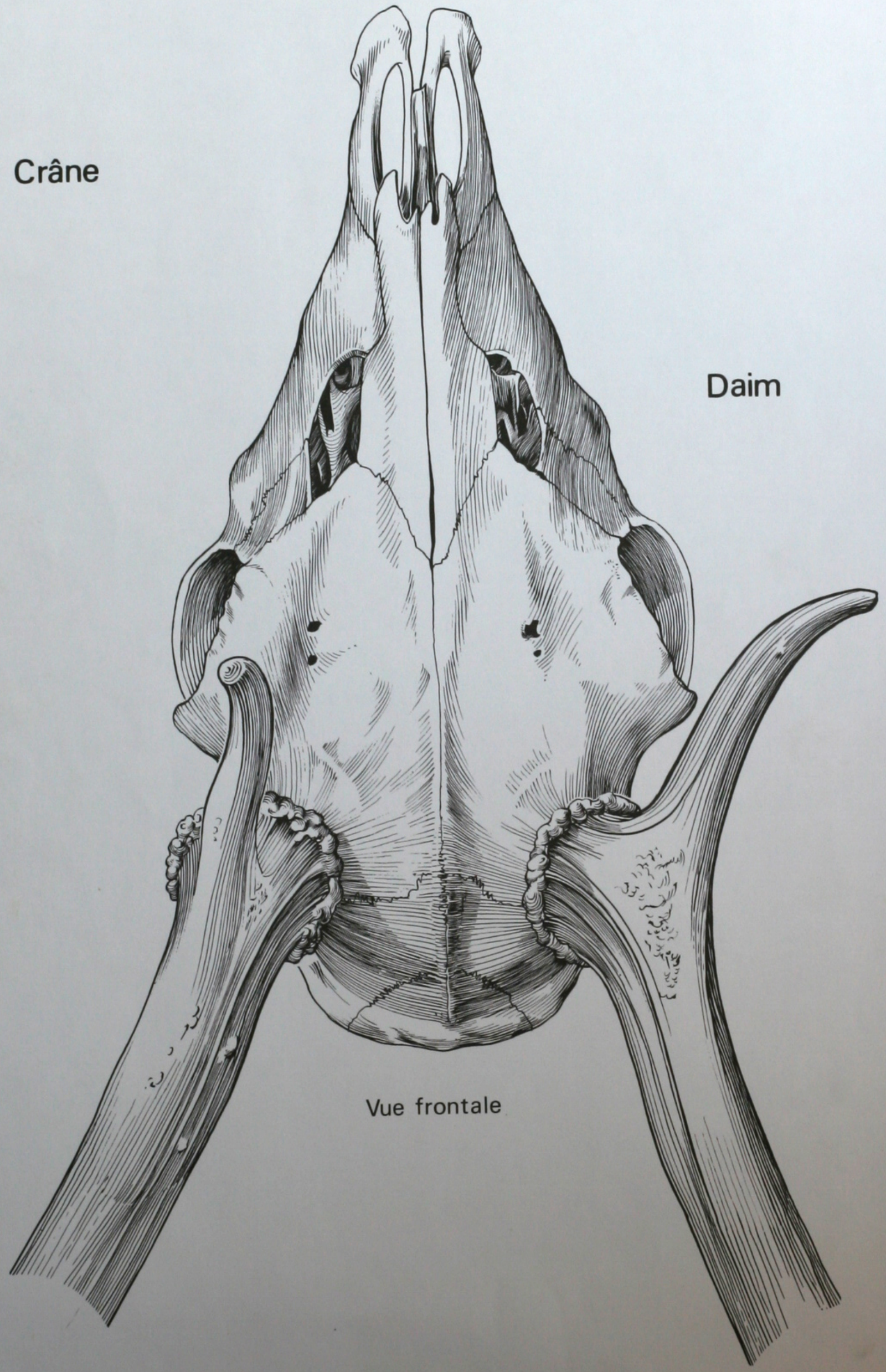


Daim

Vue rostrale

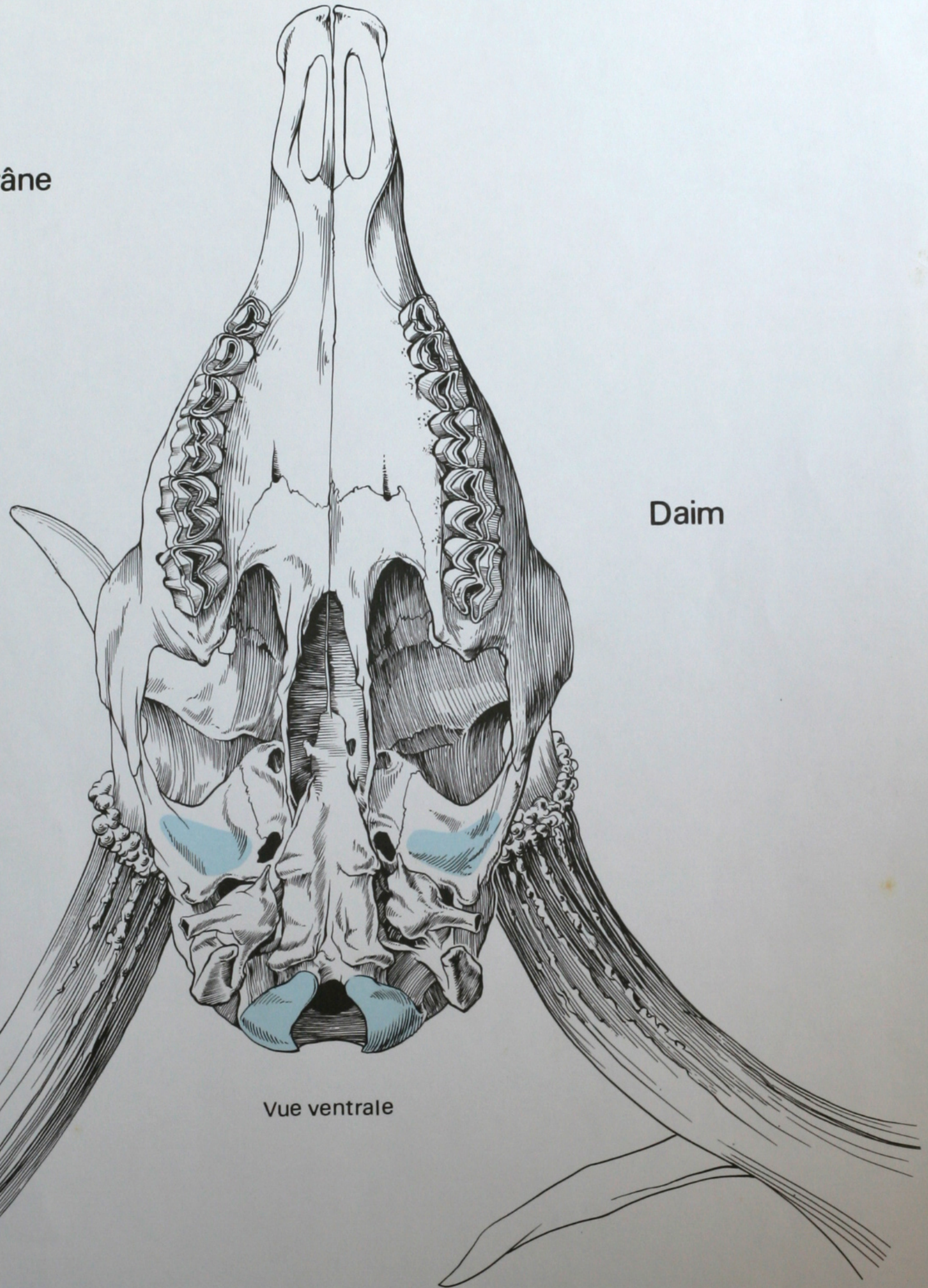
Crâne

Daim



Vue frontale

Crâne

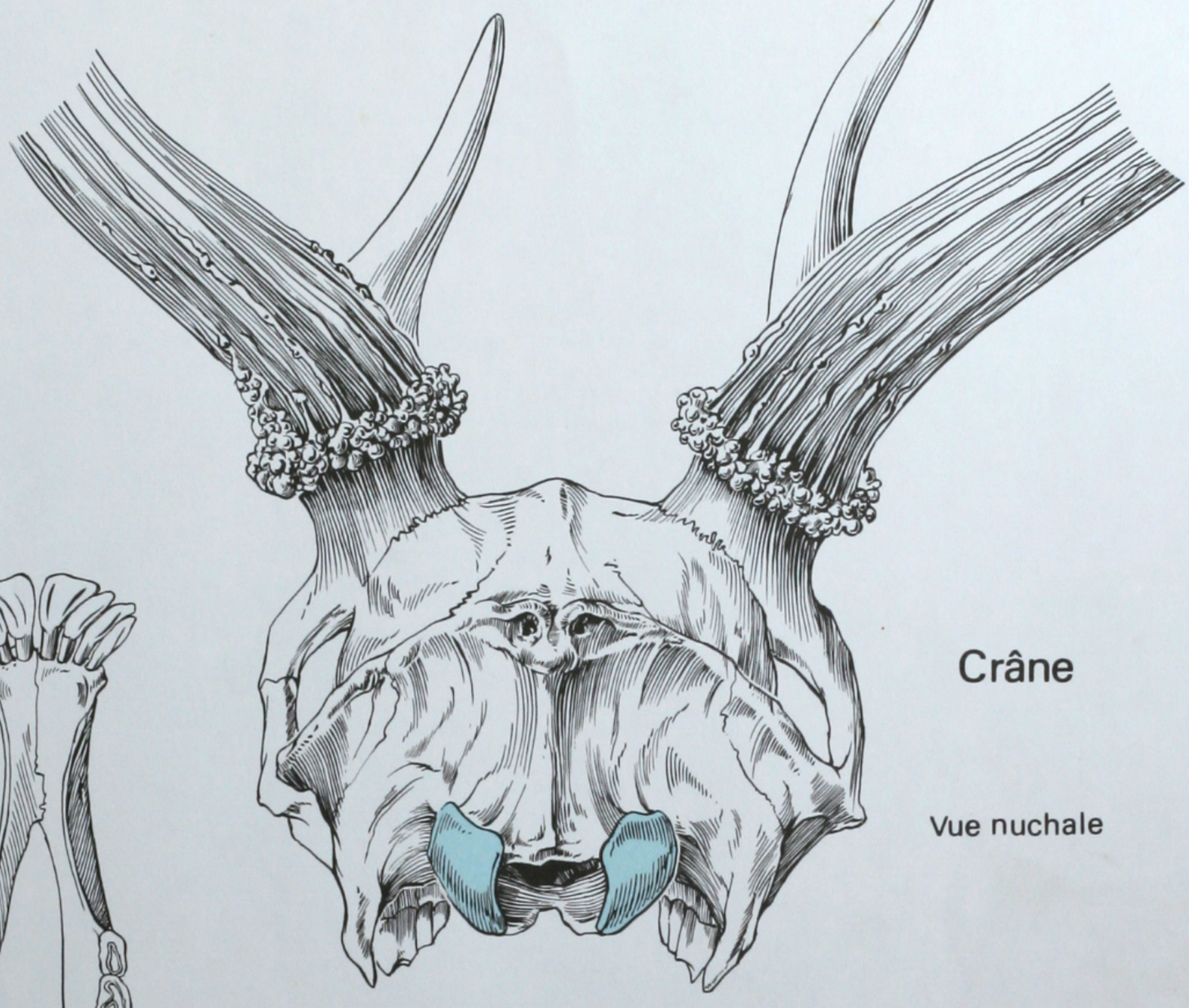


Daim

Vue ventrale

TÊTE

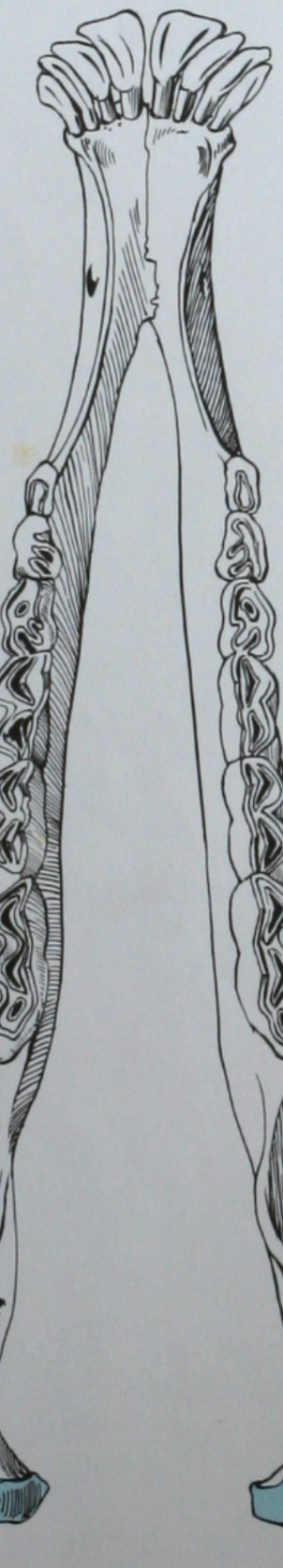
Daim

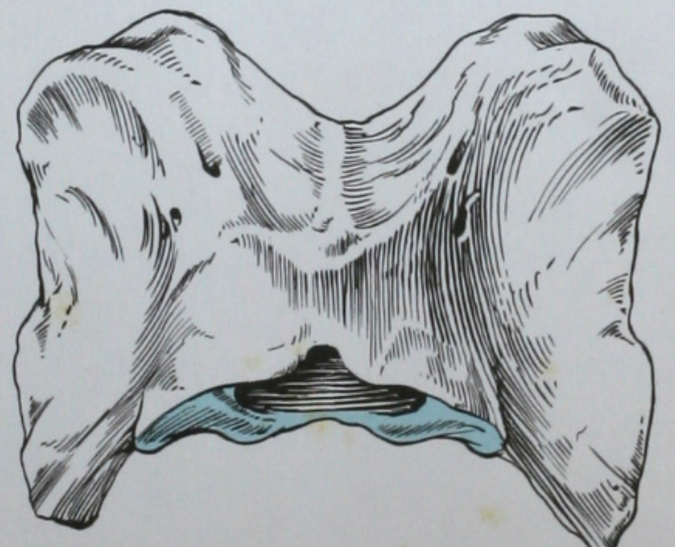


Mandibules

Crâne

Vue nuchale





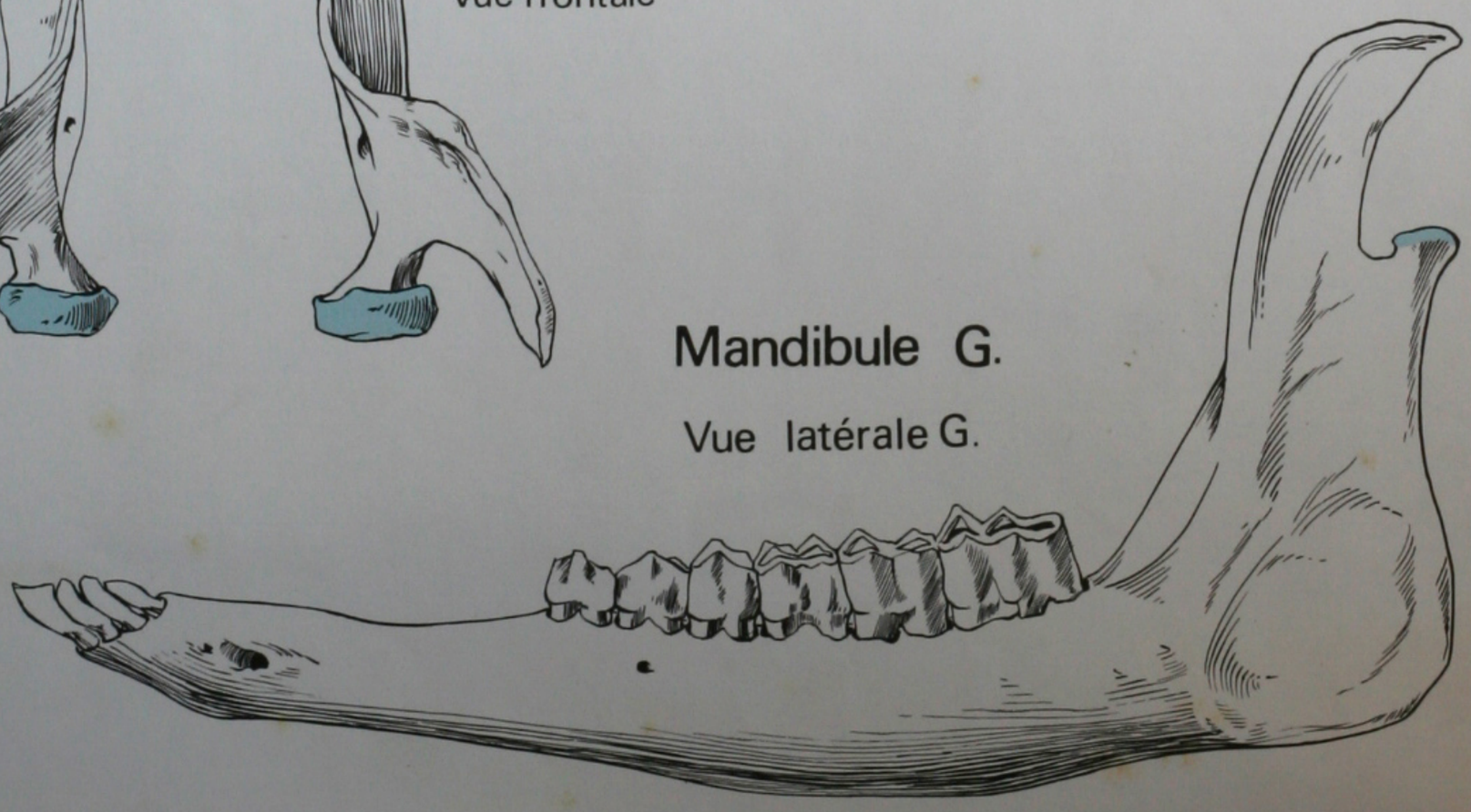
Vue dorsale

Atlas

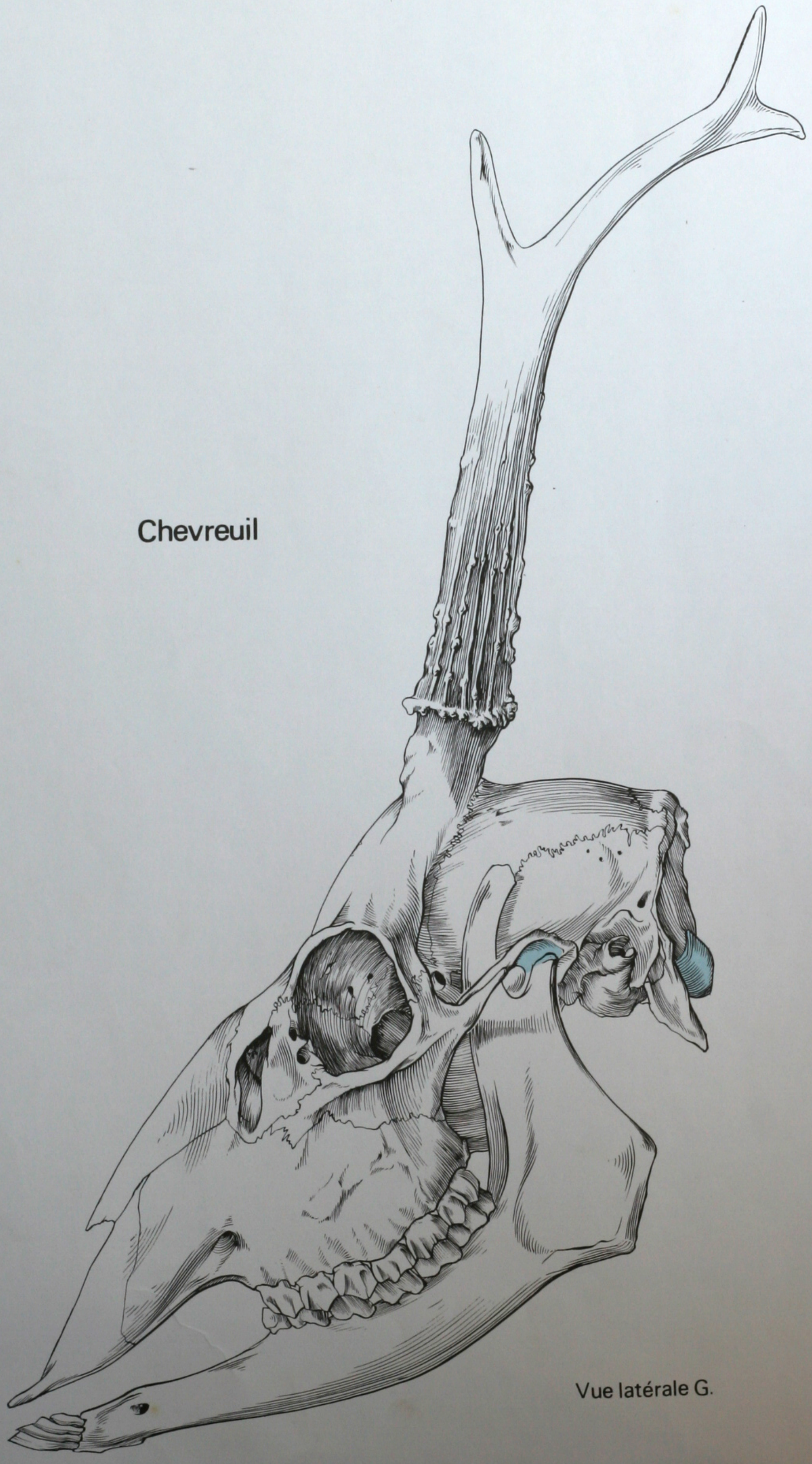
vue frontale

Mandibule G.

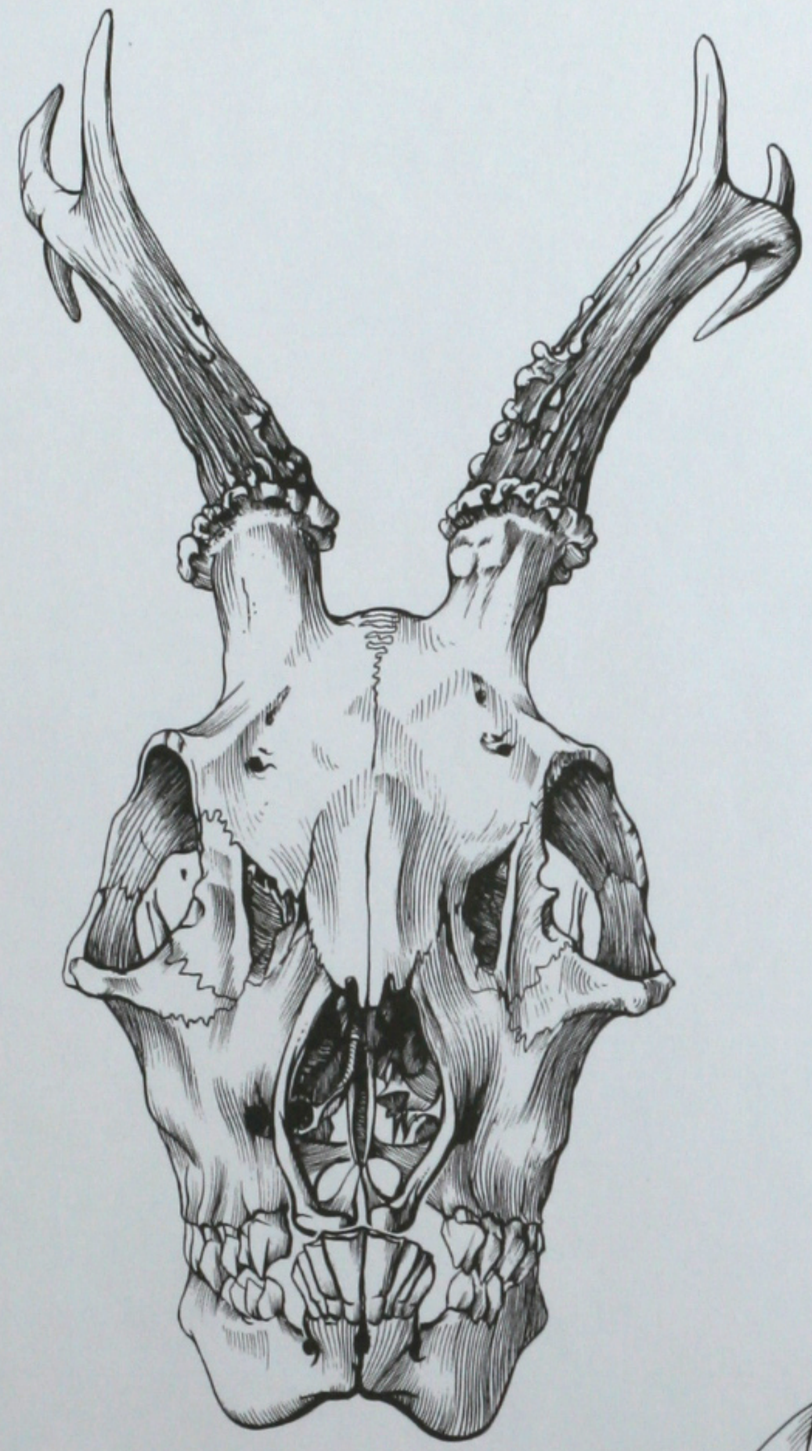
Vue latérale G.



Chevreuil



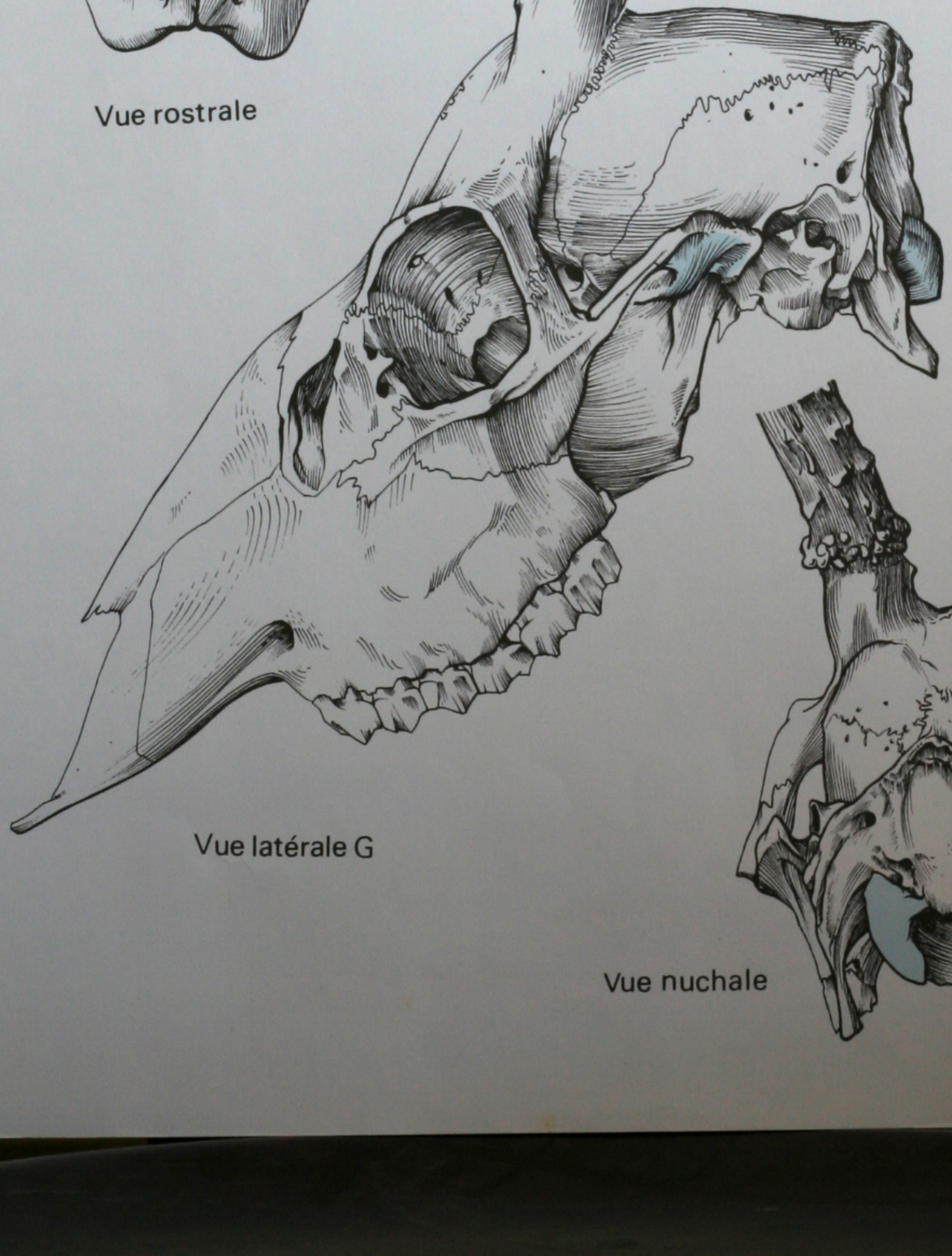
Vue latérale G.



Vue rostrale



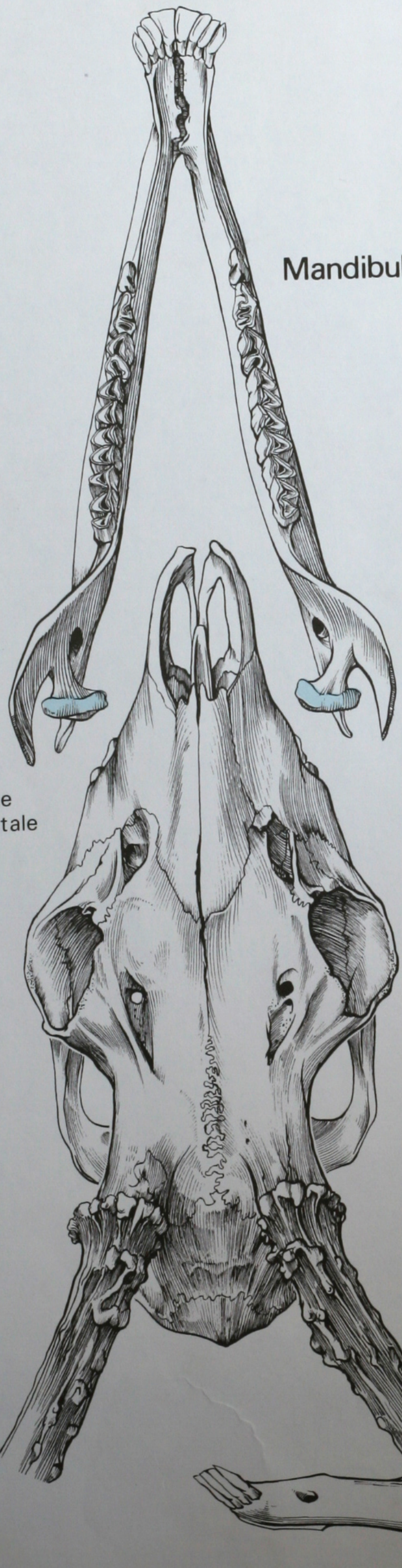
Chevreuil



Crâne

Vue latérale G

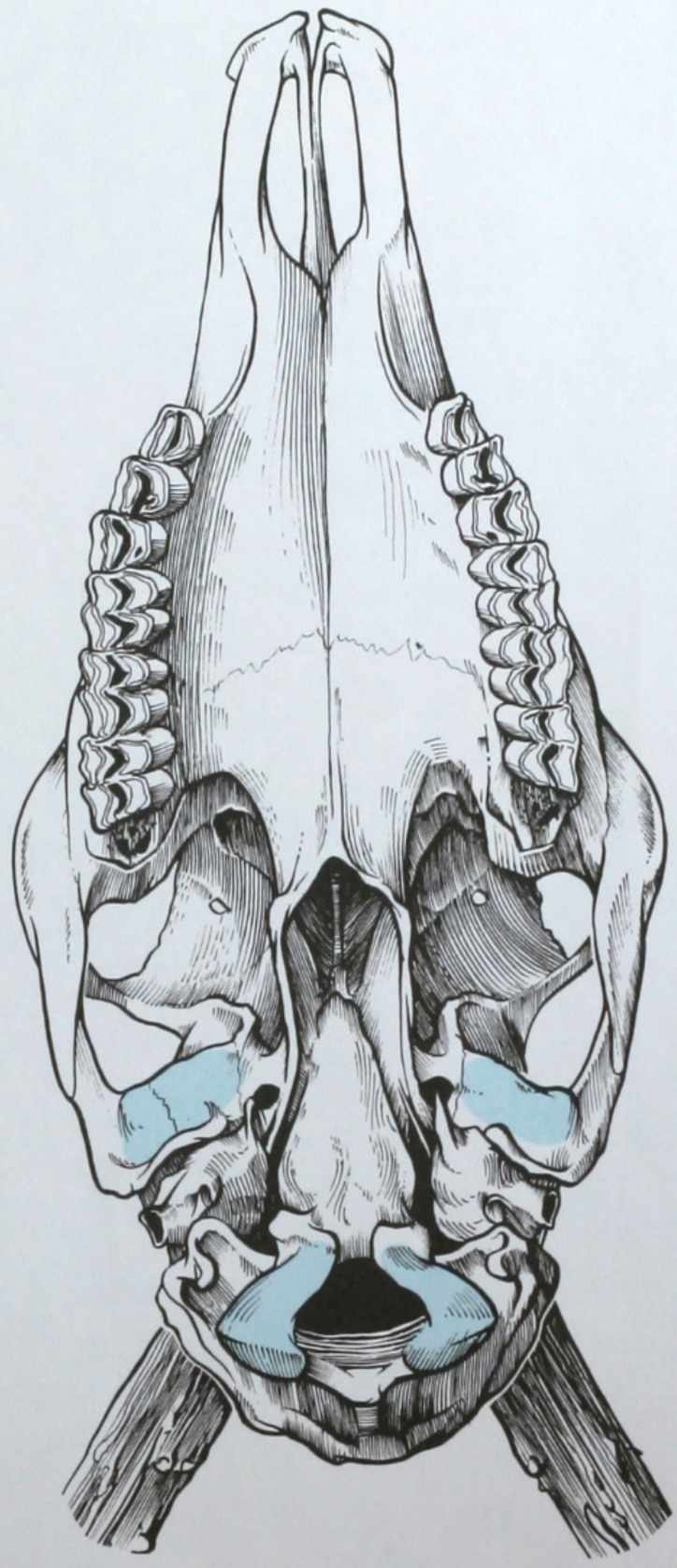
Vue nuchale



Vue frontale

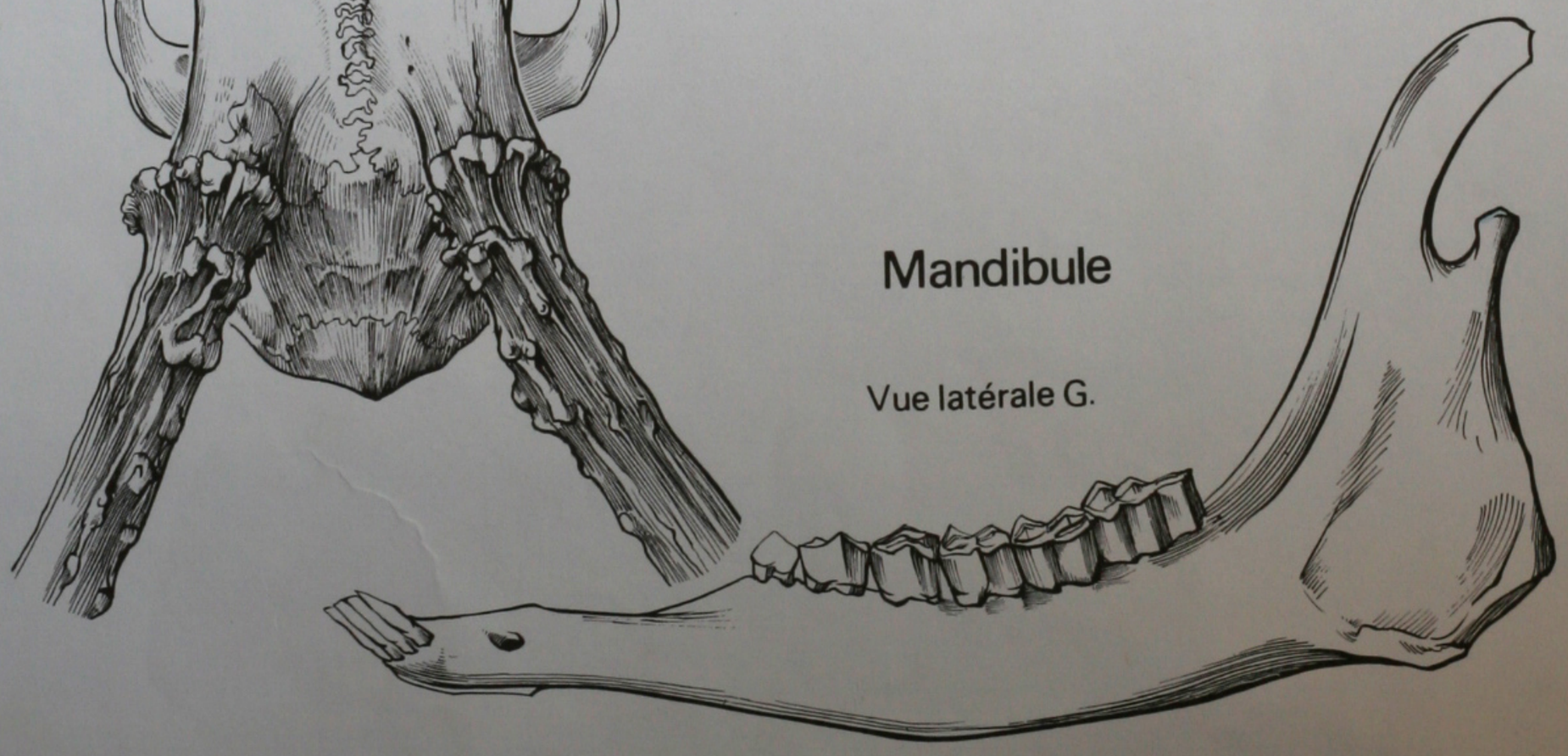
Mandibules

Crâne



Vue ventrale

Chevreuil

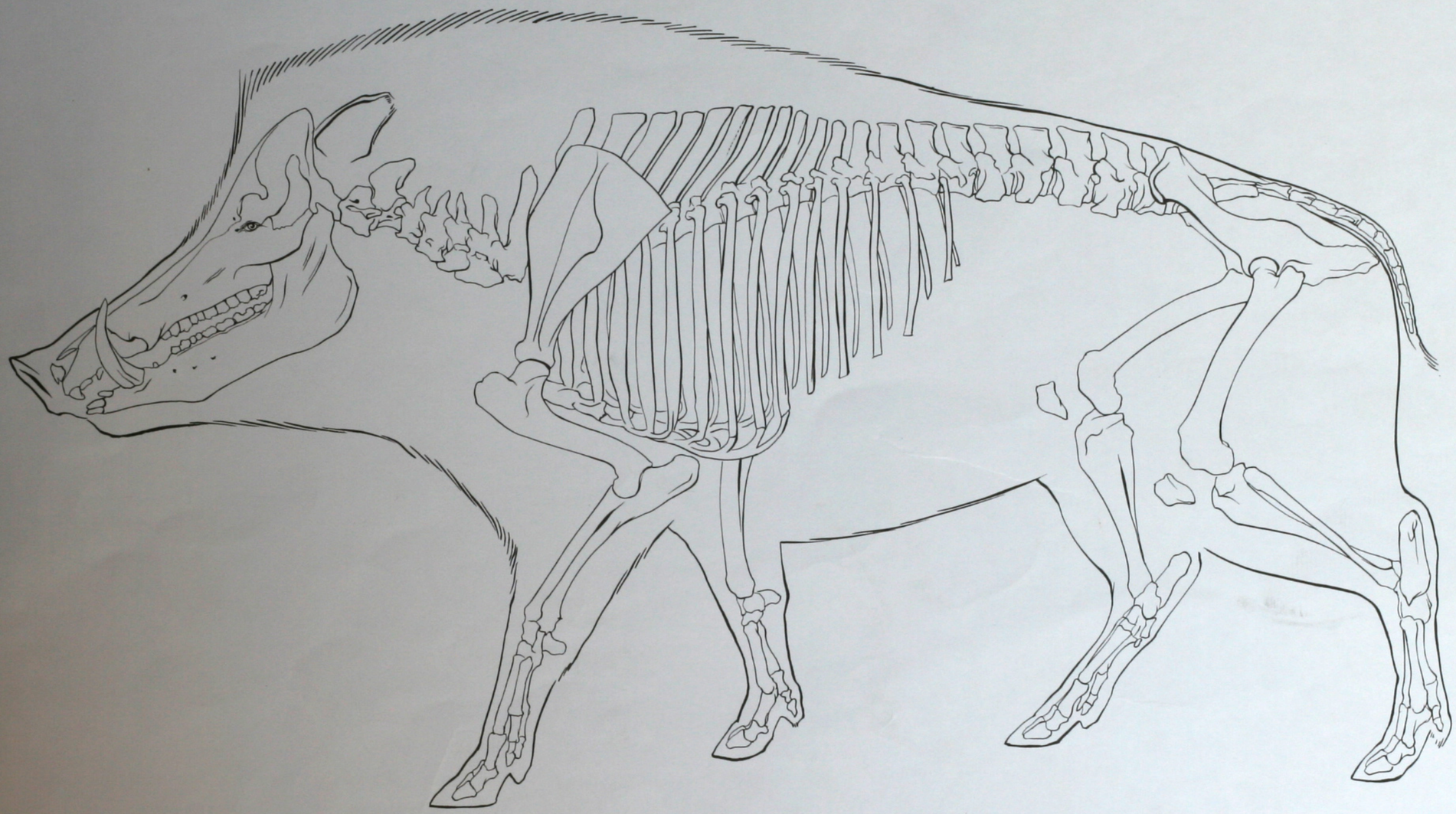


Mandibule

Vue latérale G.

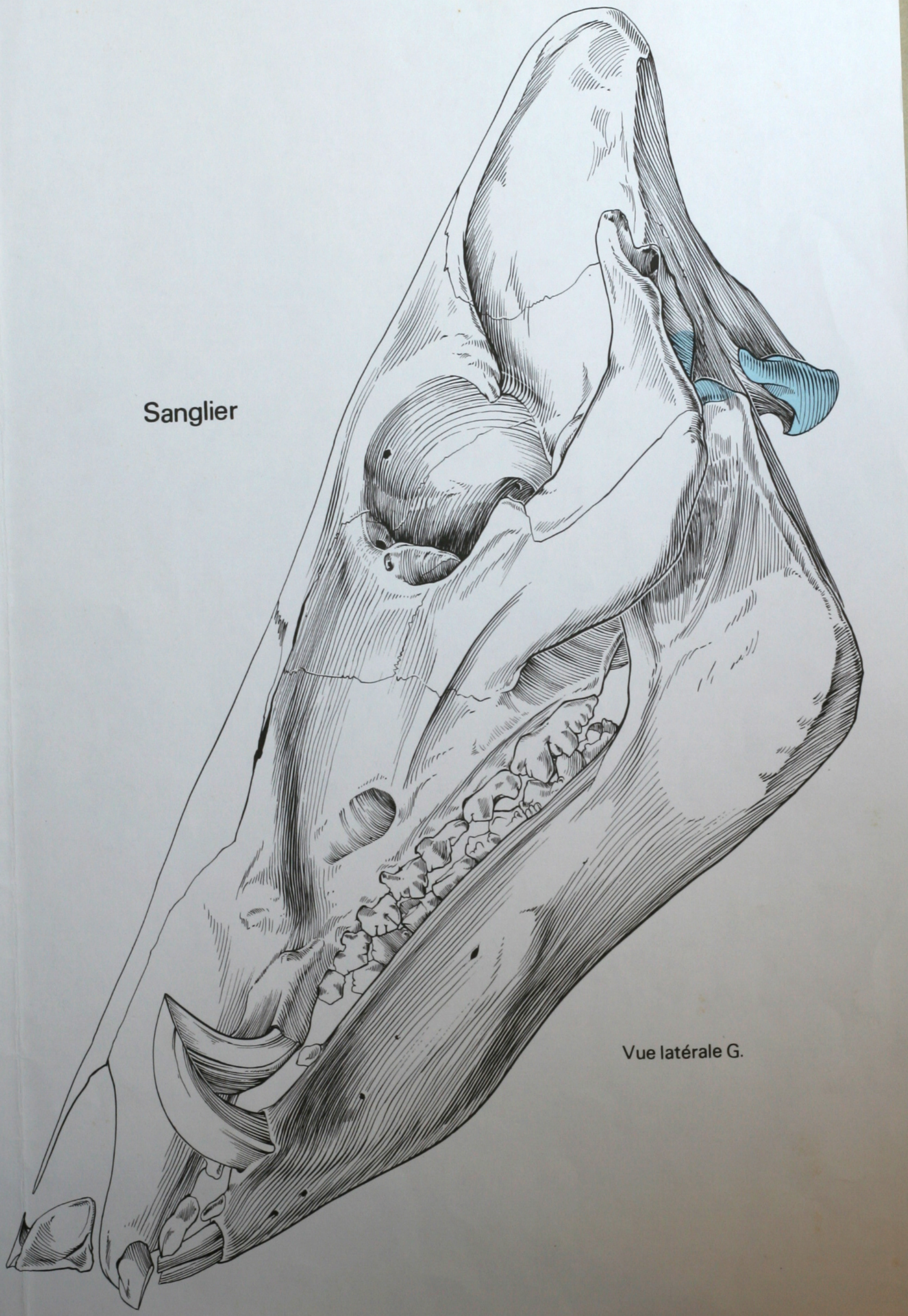
SQUELETTE

Sanglier ♂



0 10 20 30 40 50cm

Sanglier



Vue latérale G.



Sanglier

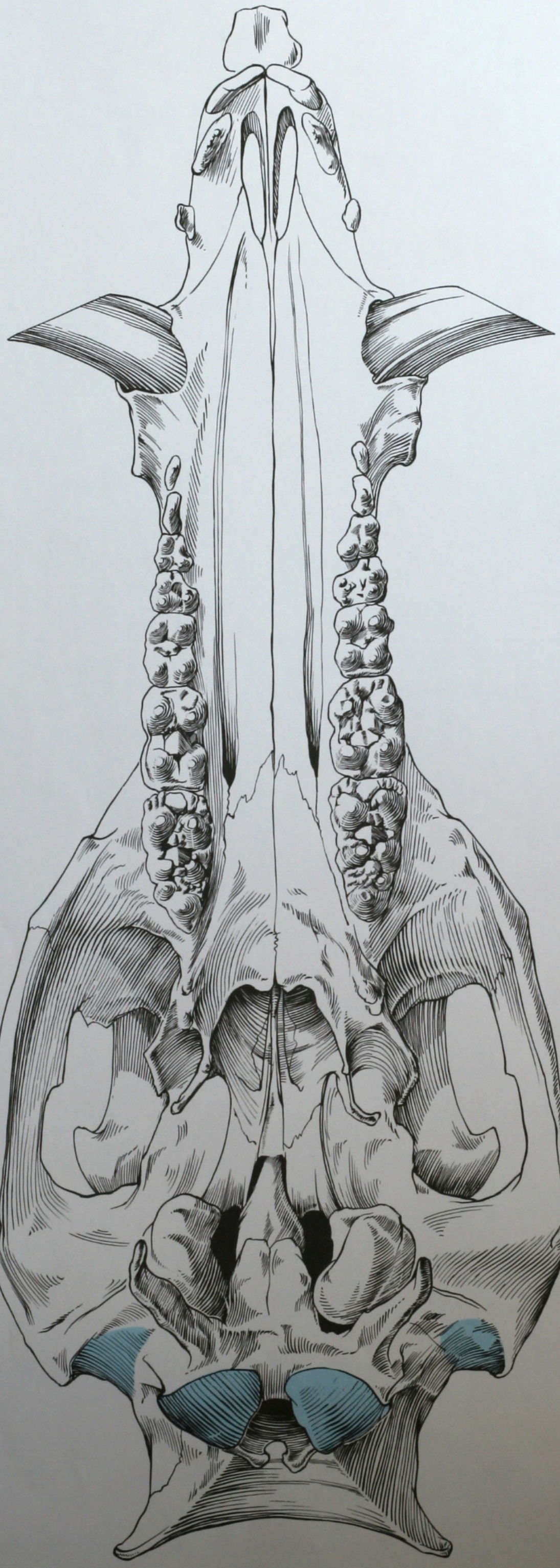
Crâne

Vue frontale

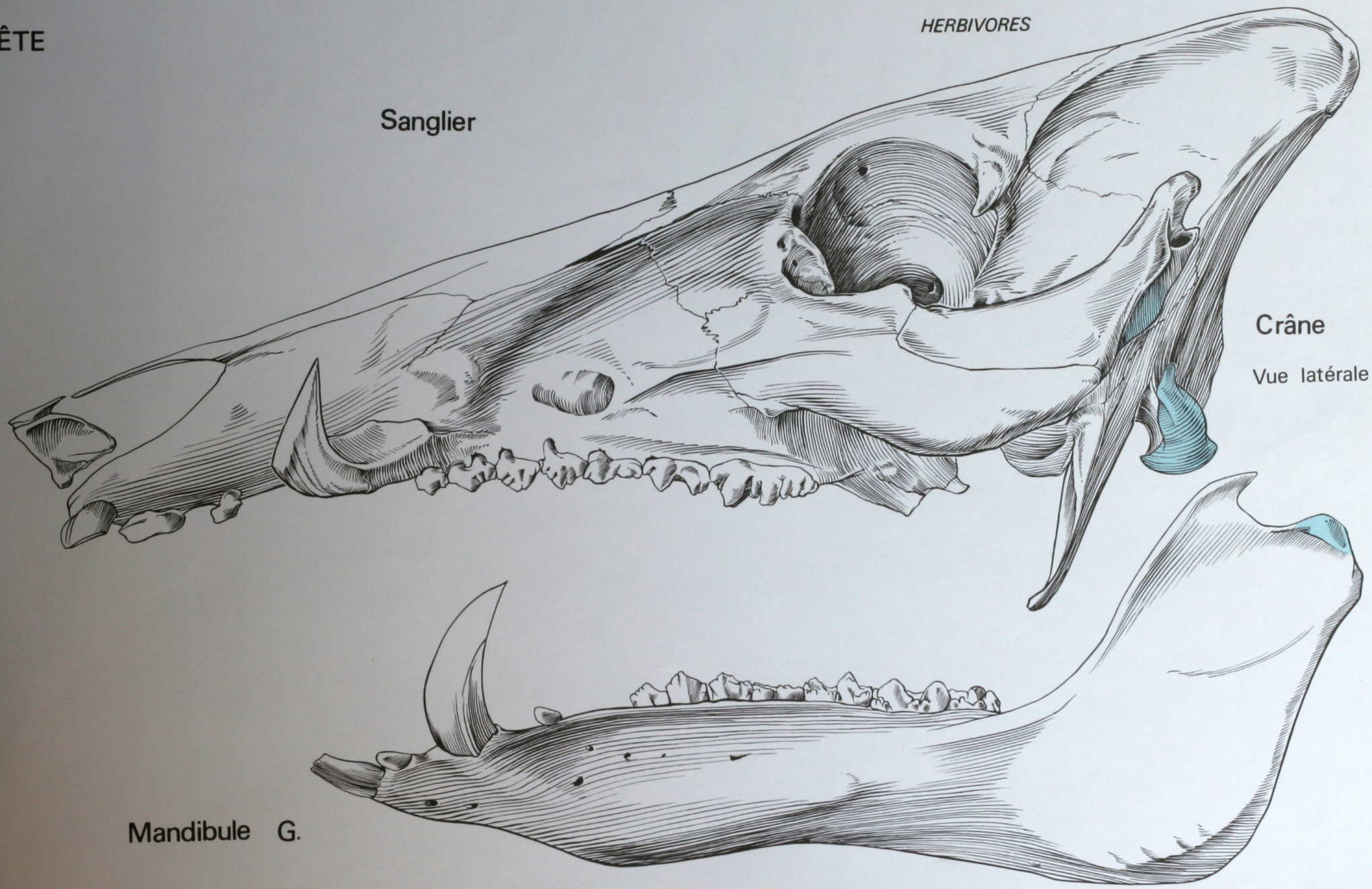
Crâne

Sanglier

Vue ventrale



Sanglier



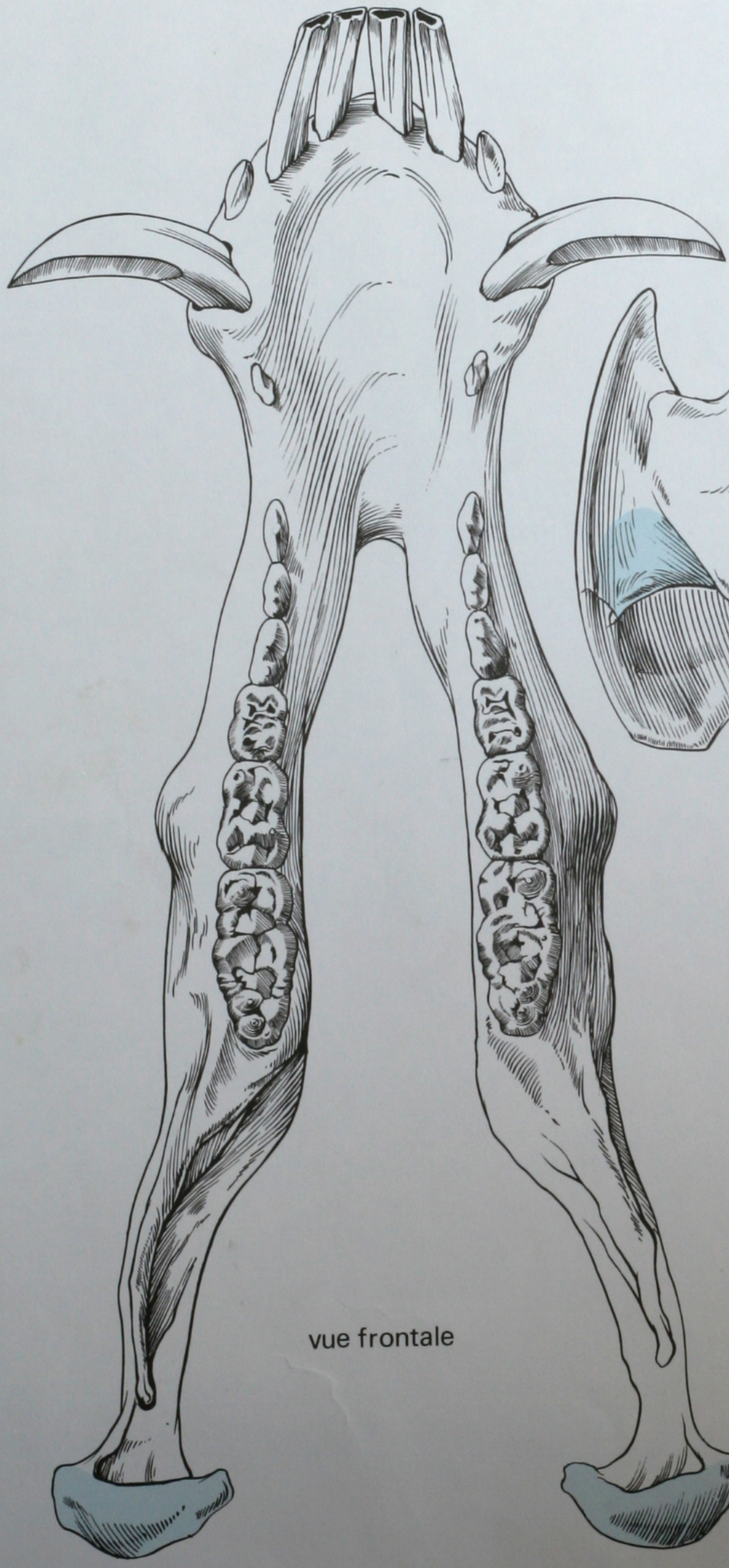
Crâne

Vue latérale G.

Mandibule G.

Sanglier

Mandibules



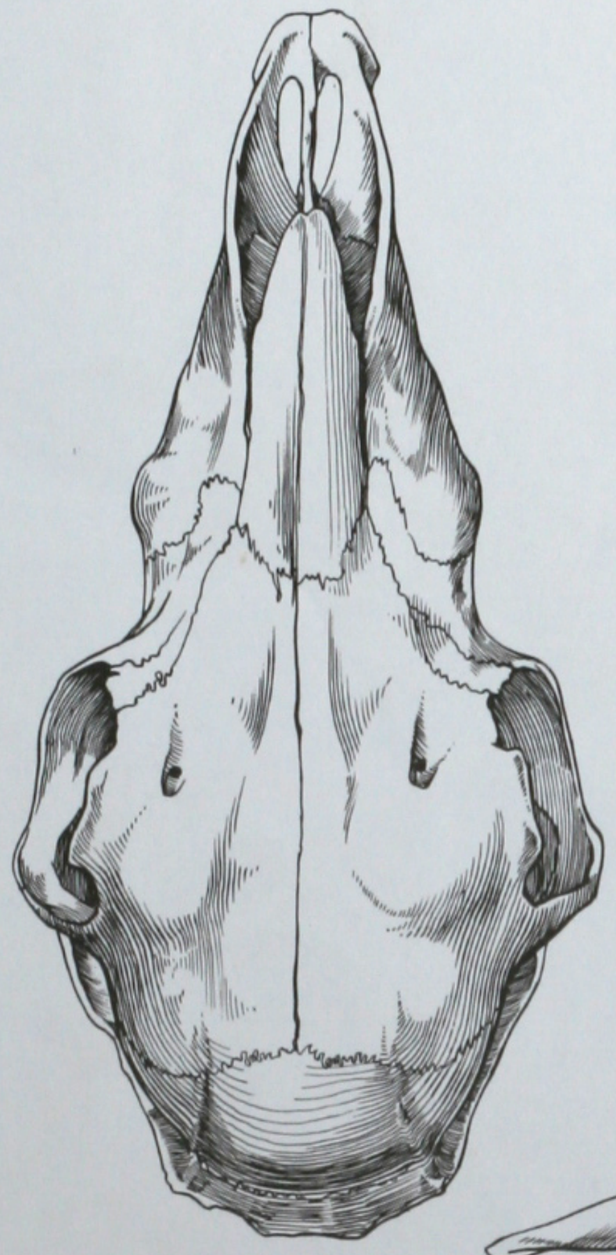
vue frontale



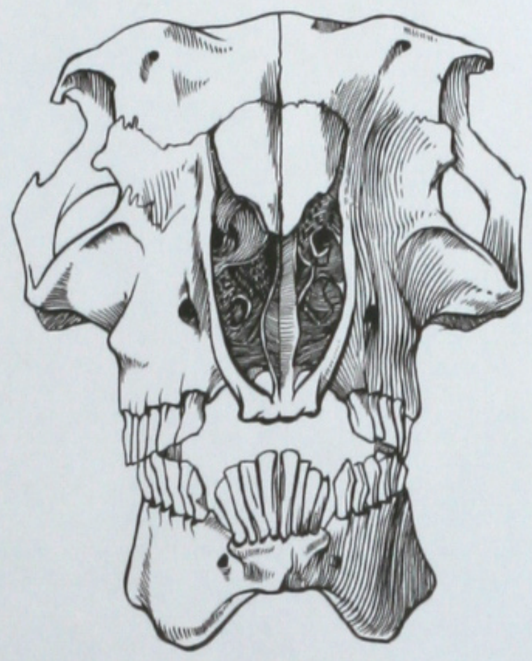
Crâne

Vue nuchale

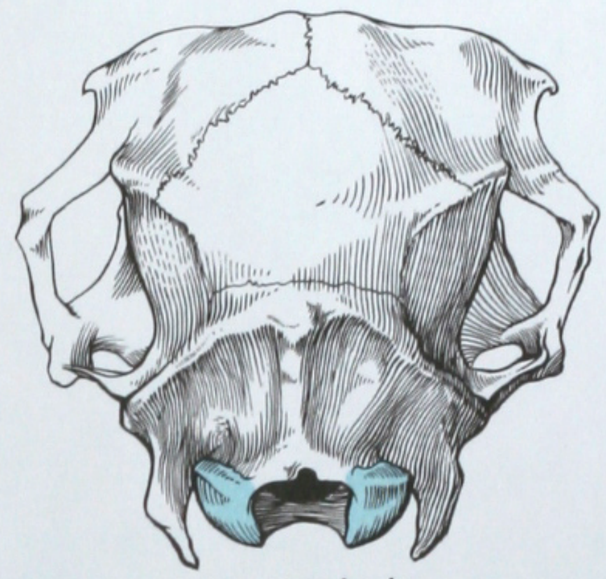
Mouton



vue frontale

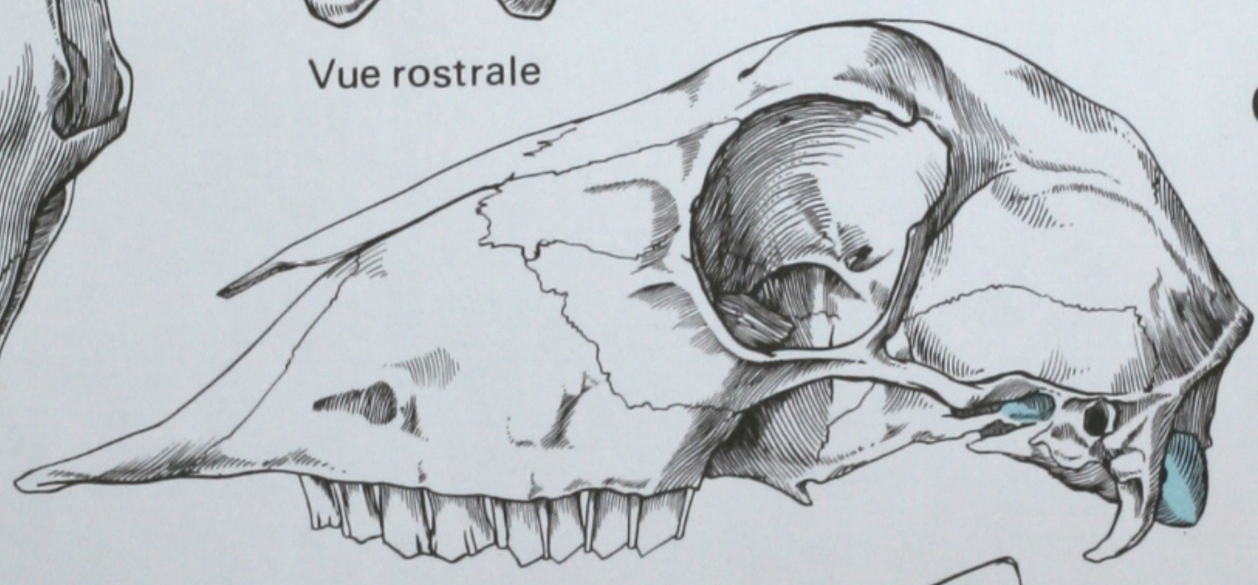


Vue rostrale

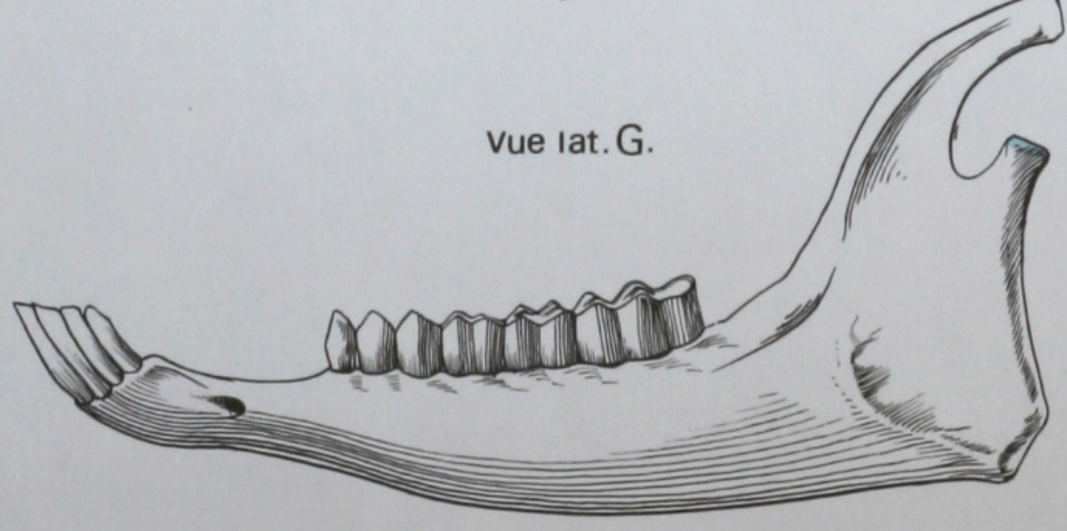


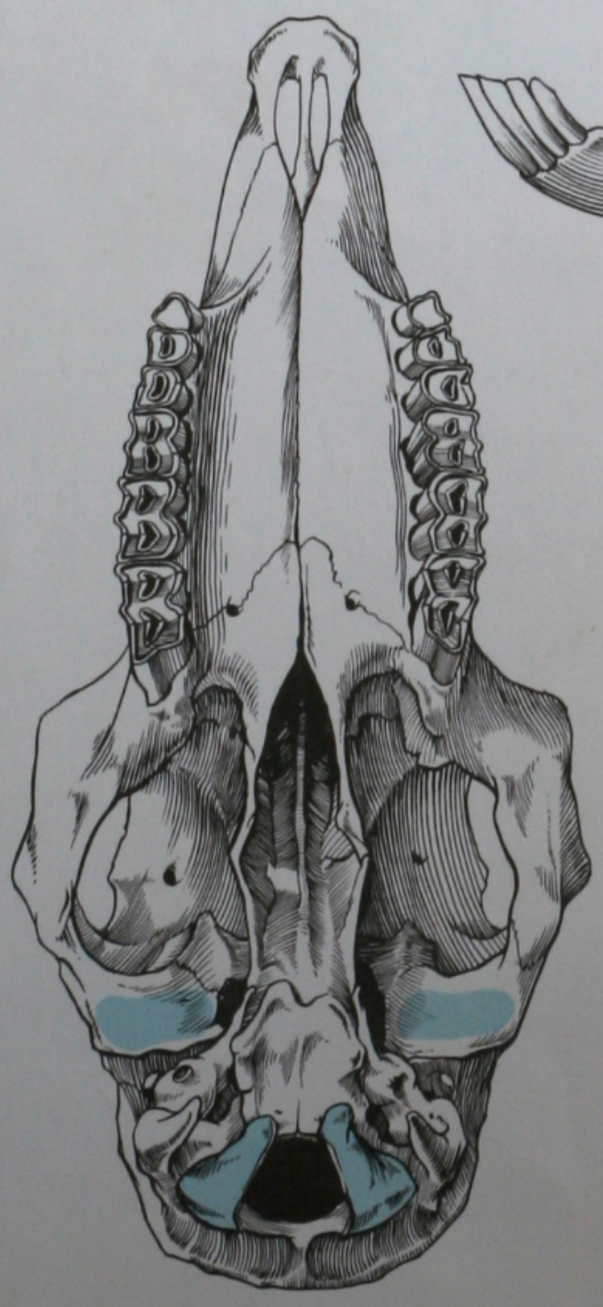
Vue nuchale

Crâne

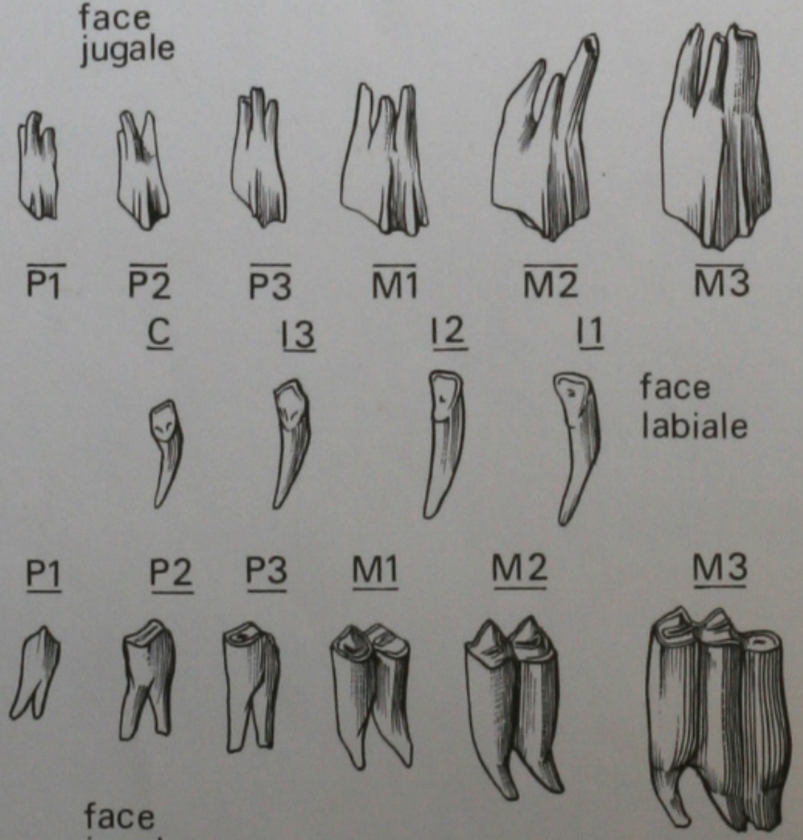


Mandibules

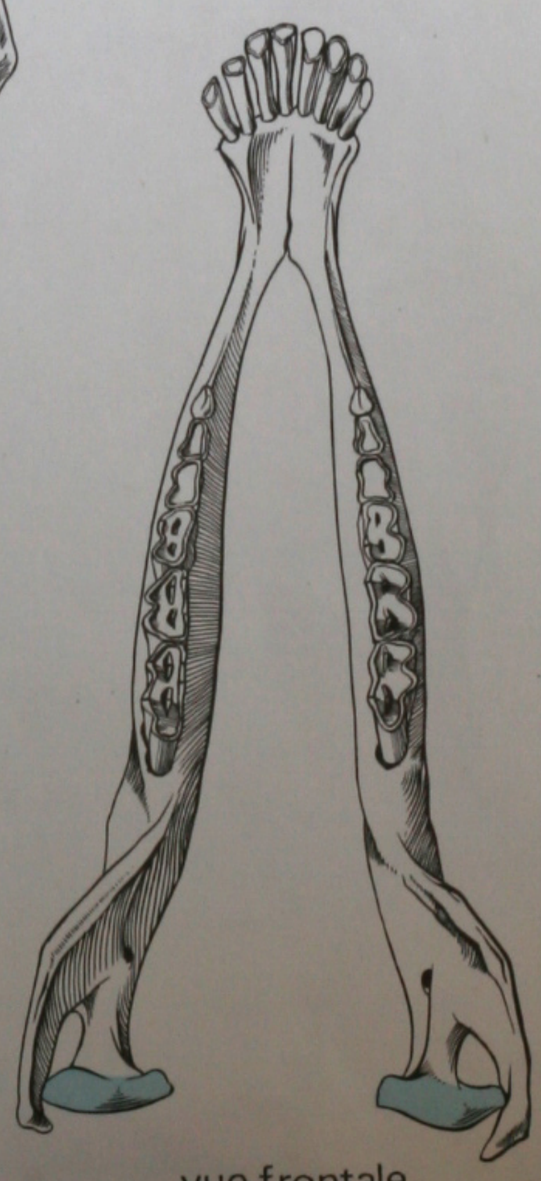




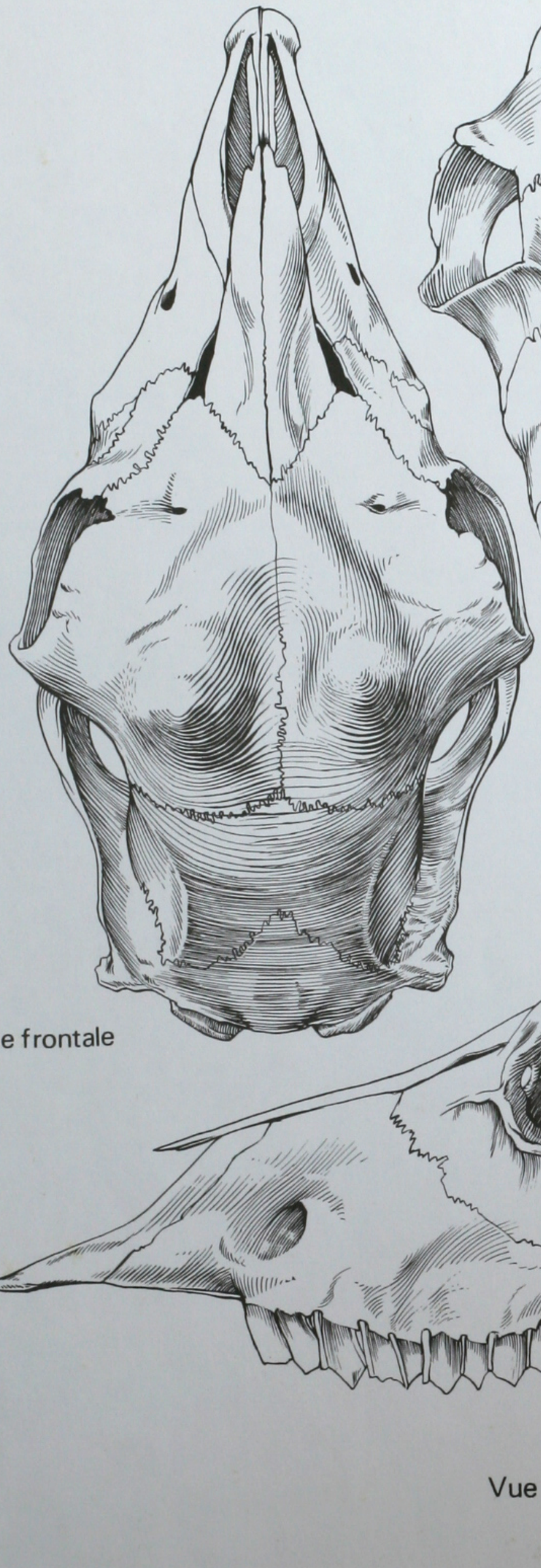
Vue ventrale



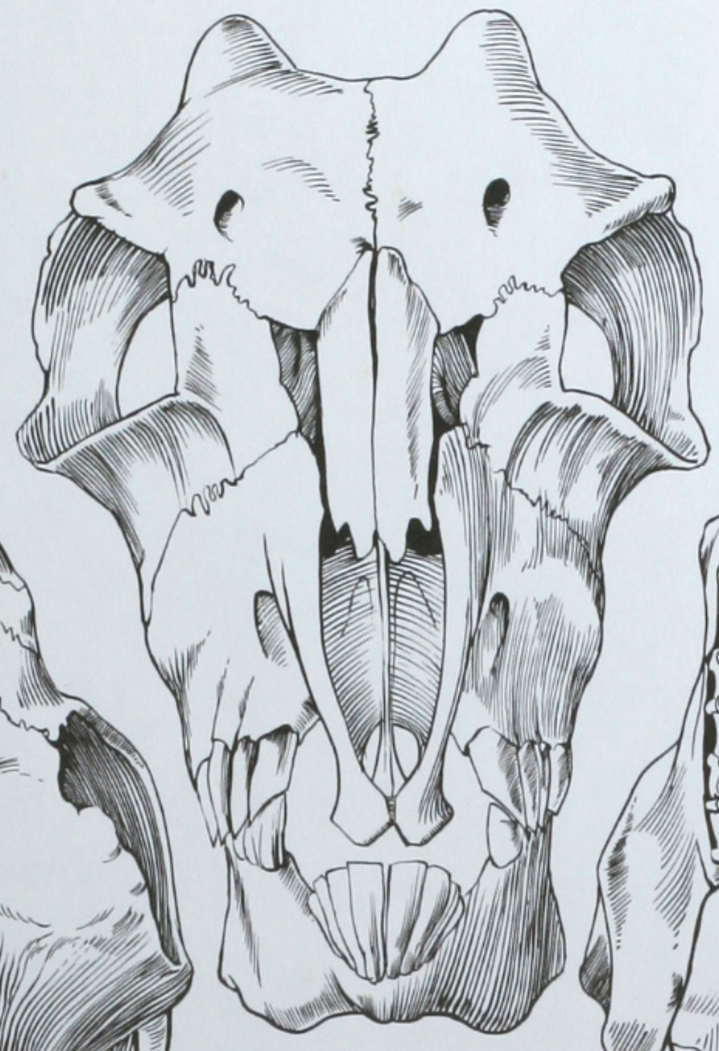
Dents G.



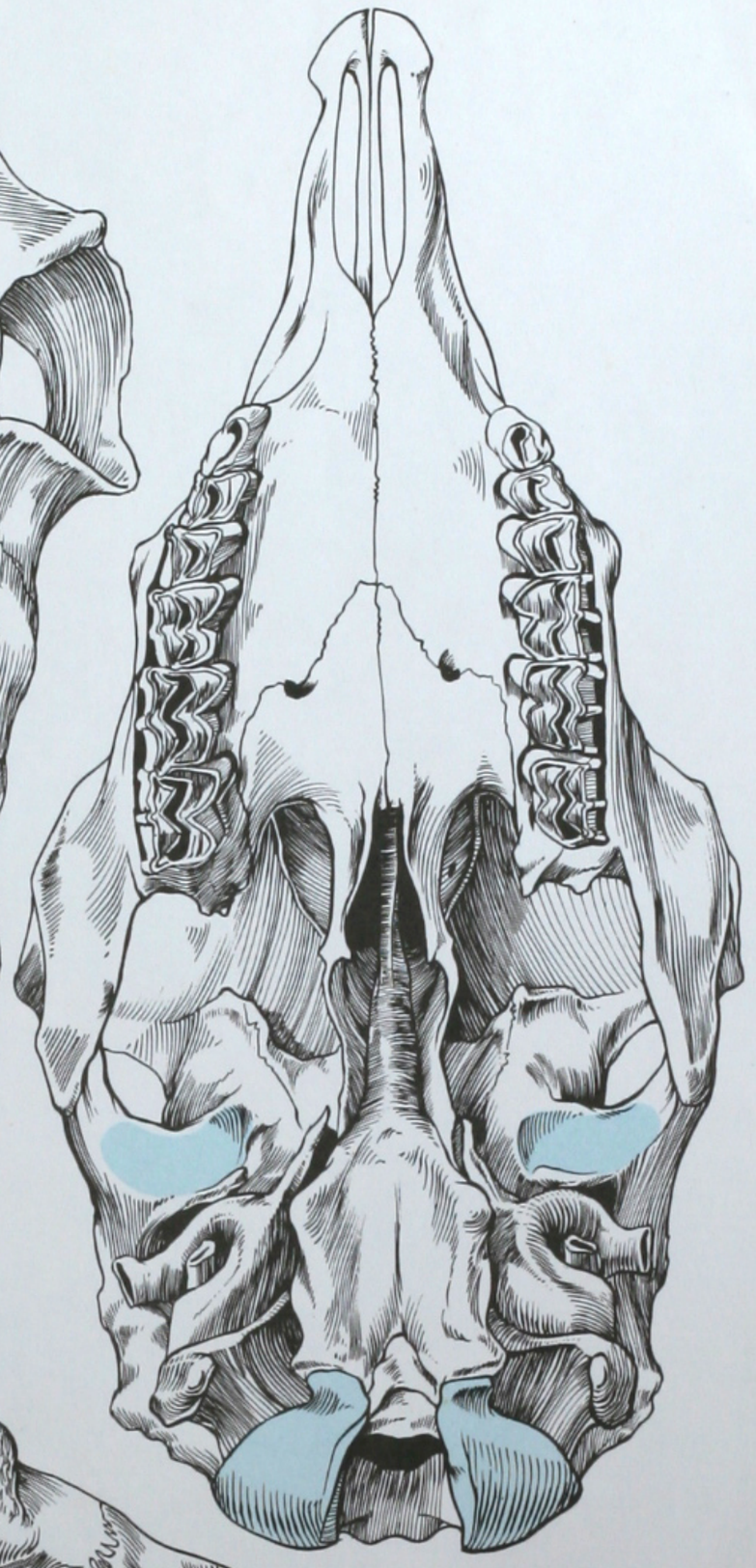
vue frontale



vue frontale

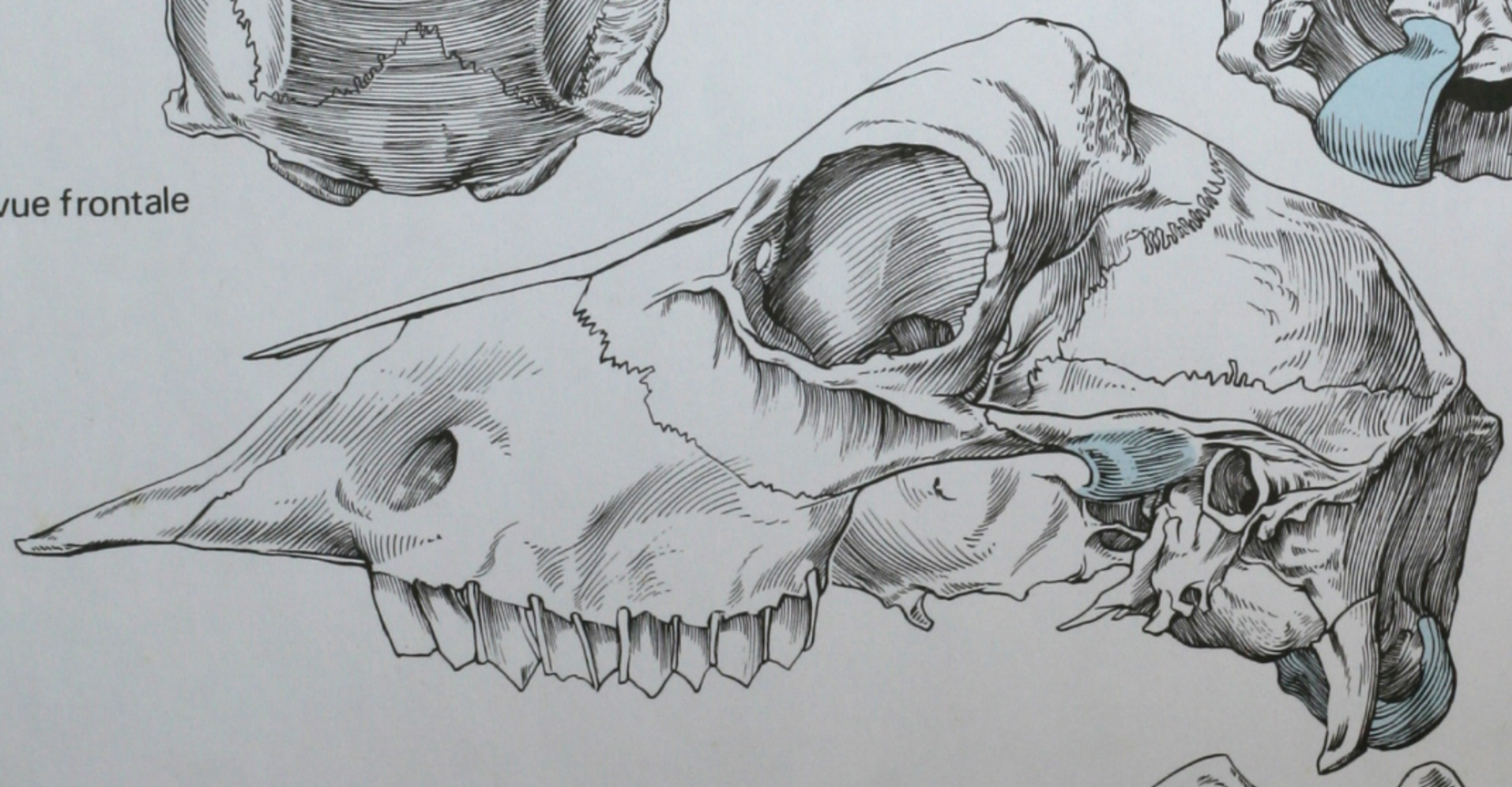


Vue rostrale

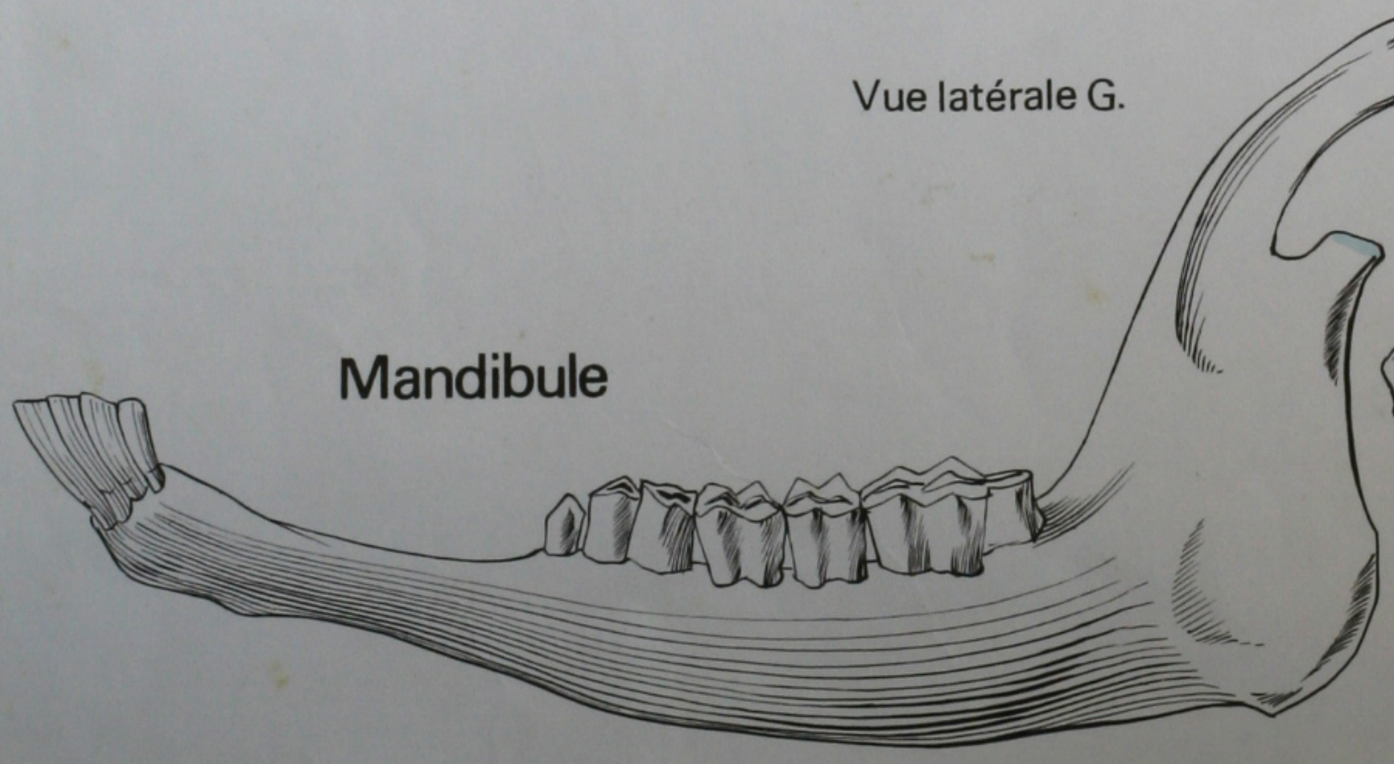


Vue ventrale

Crâne



Vue latérale G.



Mandibule

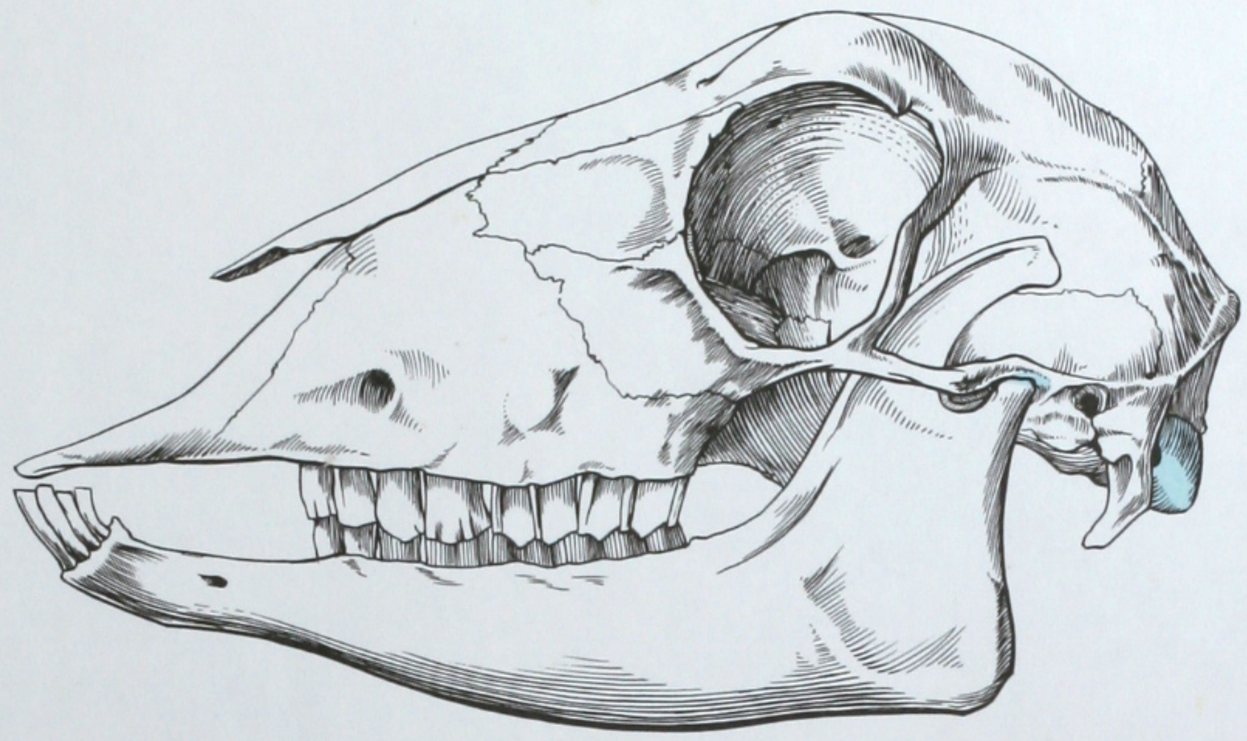


Vue nuchale

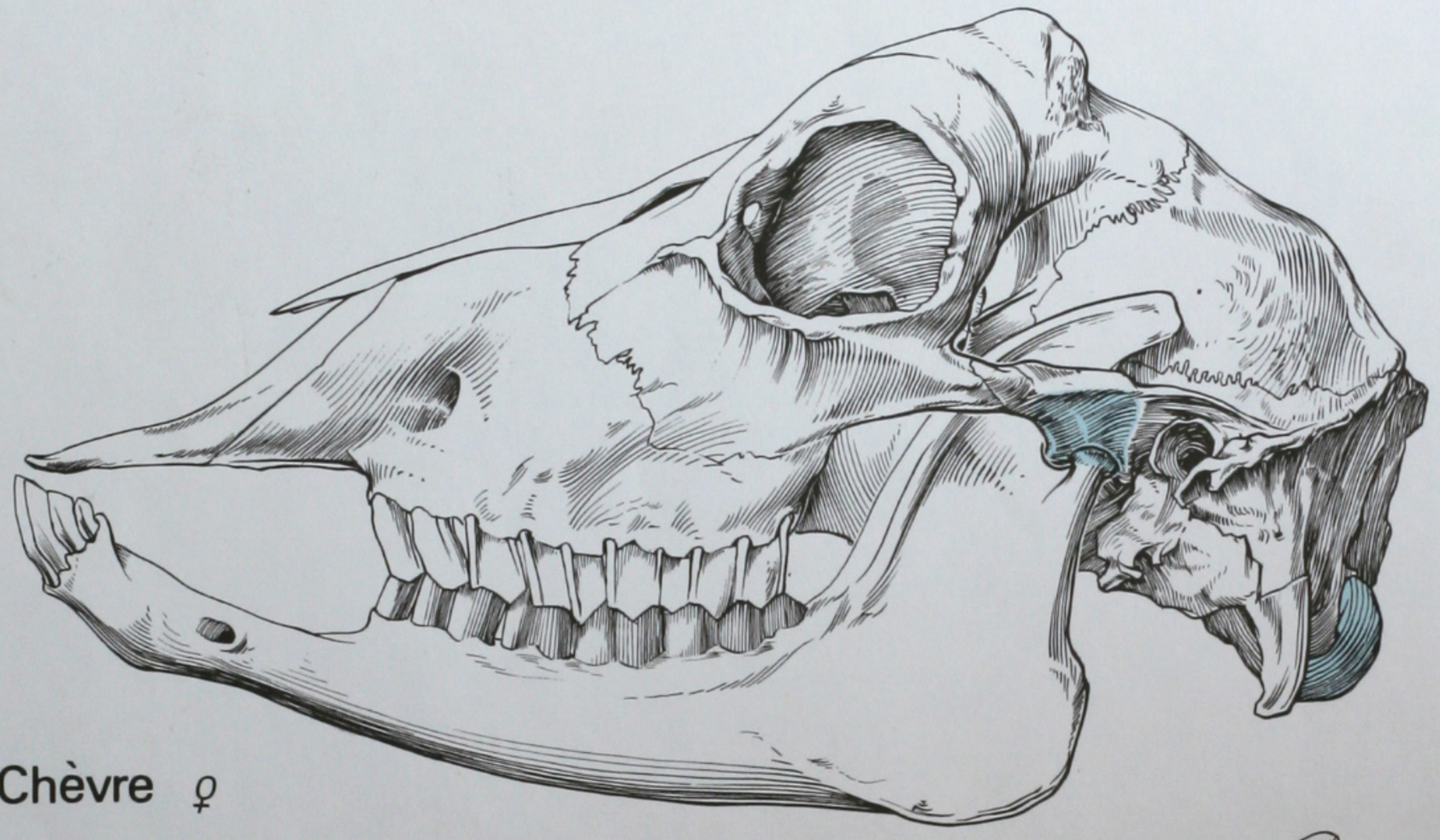
Chèvre

TÊTE

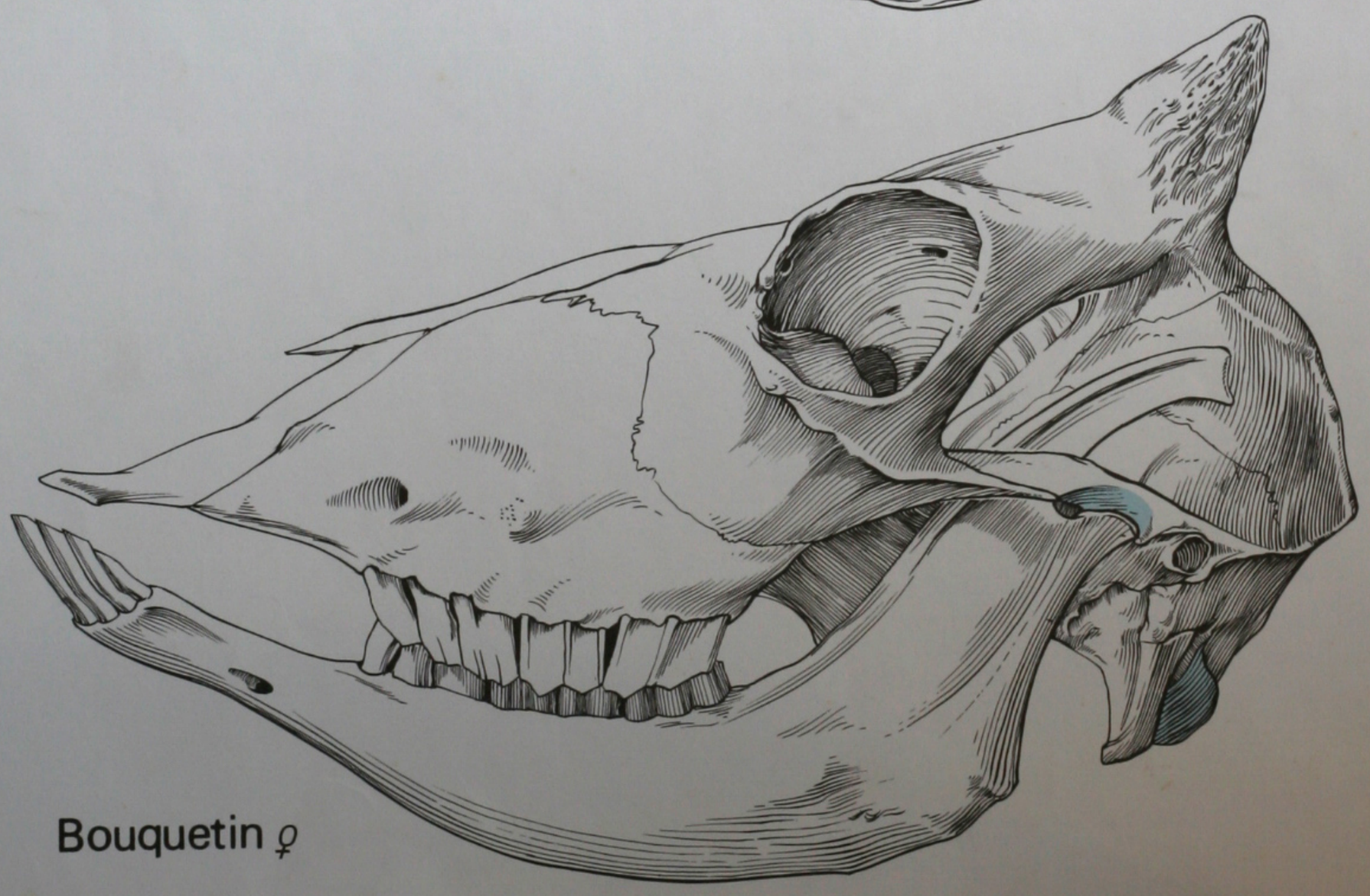
Vue latérale G.



Mouton ♀

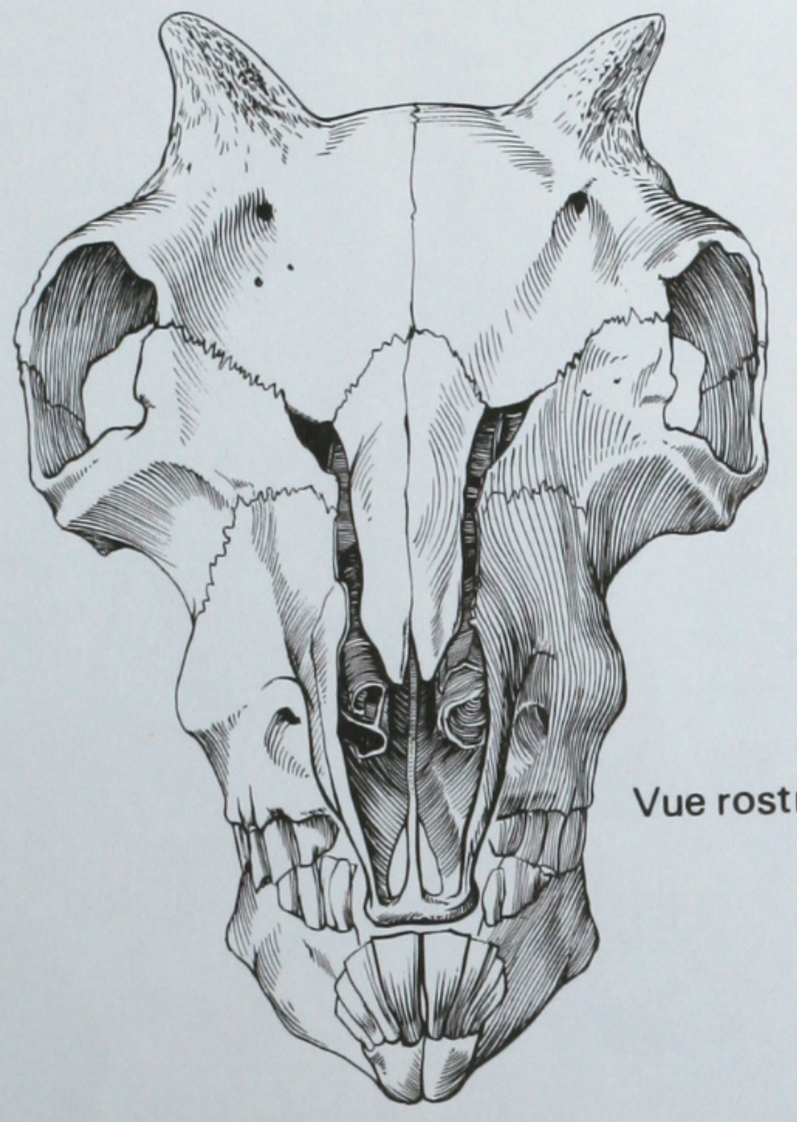


Chèvre ♀

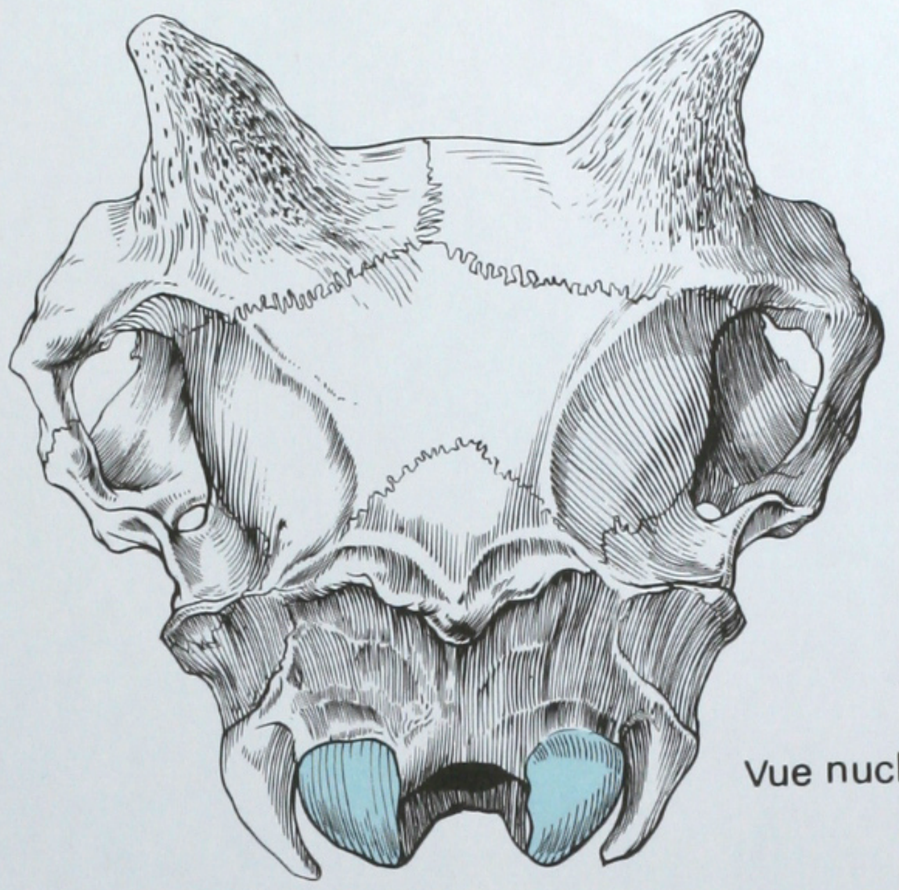


Bouquetin ♀

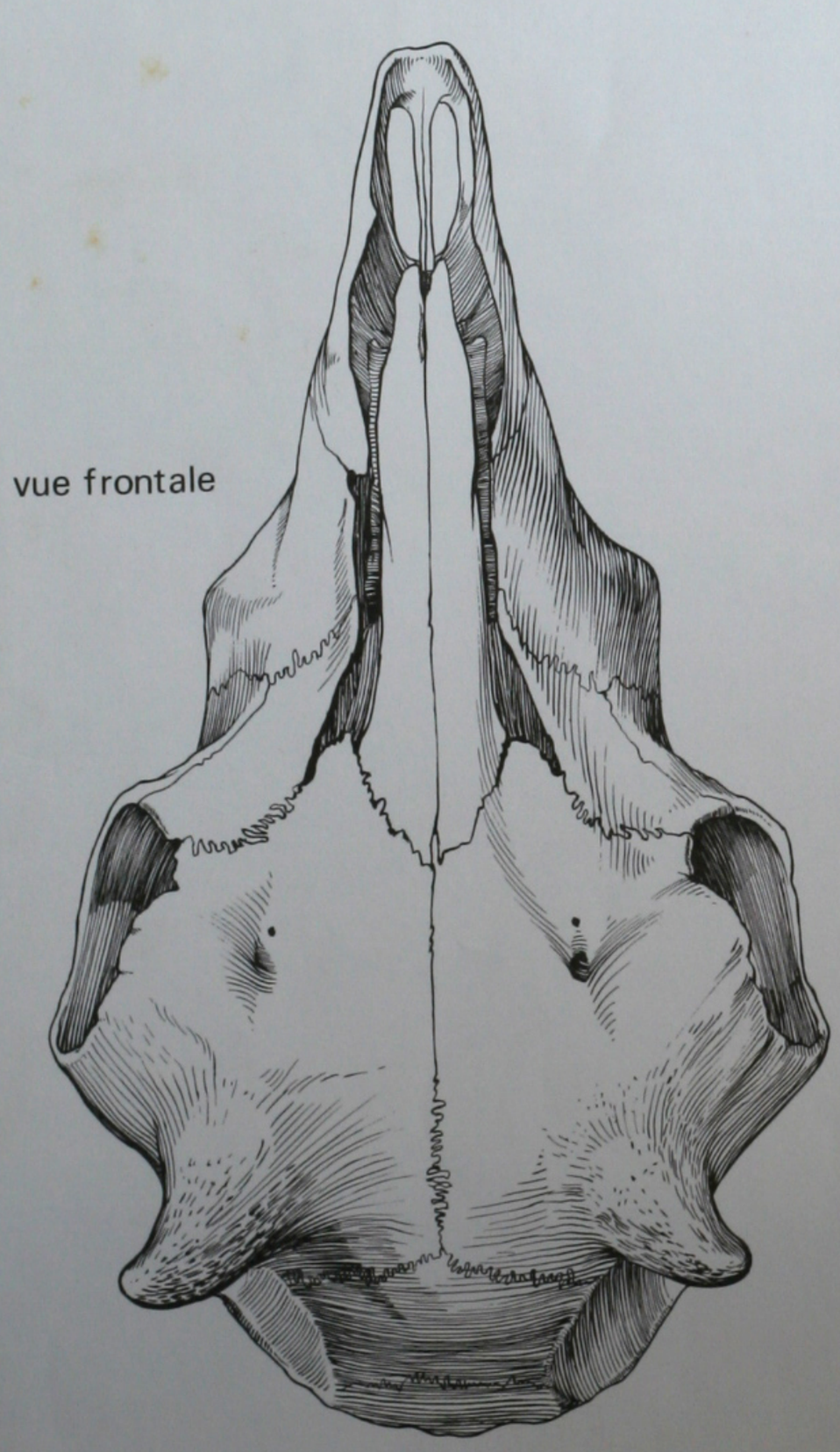
Bouquetin ♀



Vue rostrale

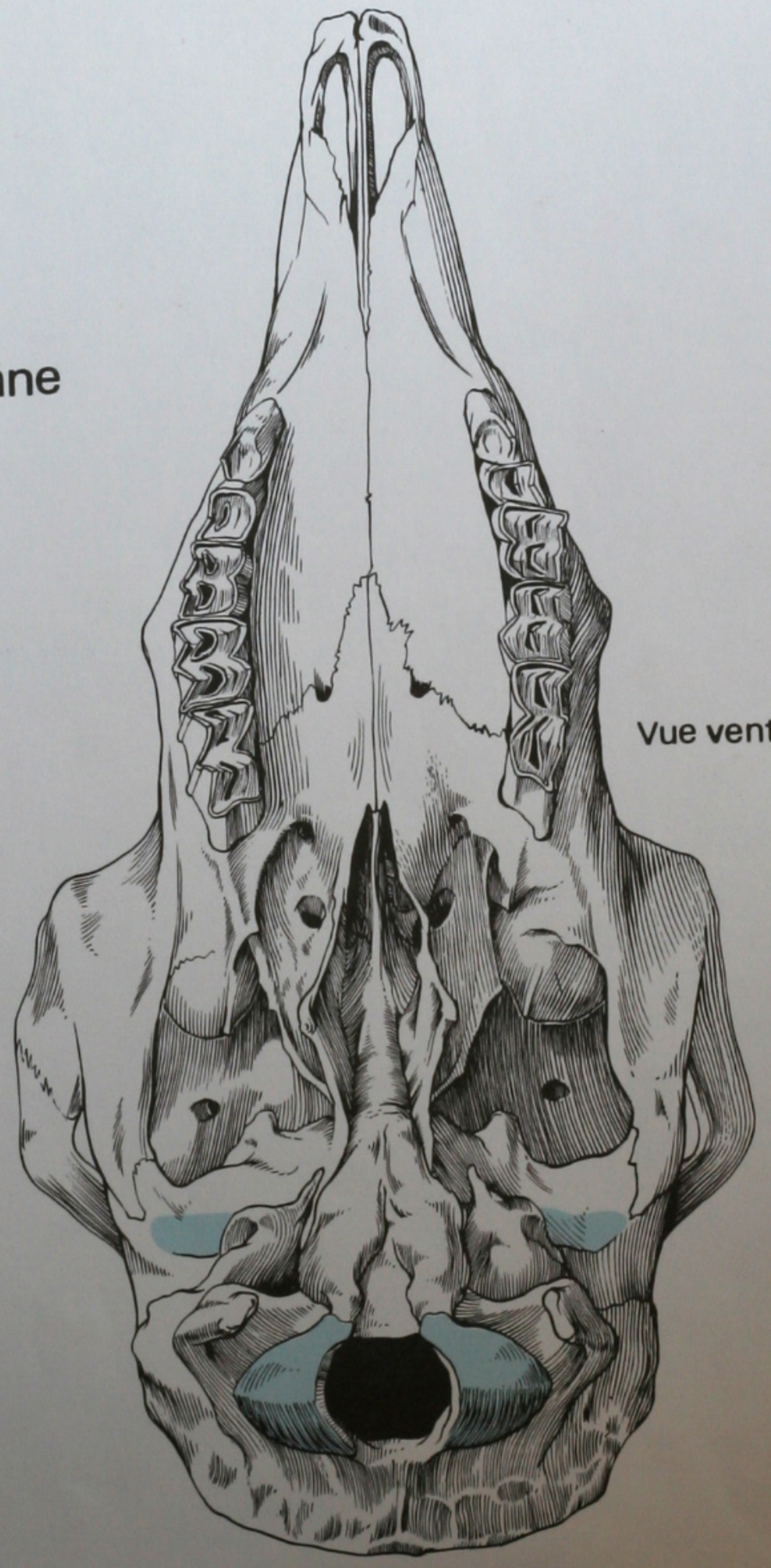


Vue nuchale



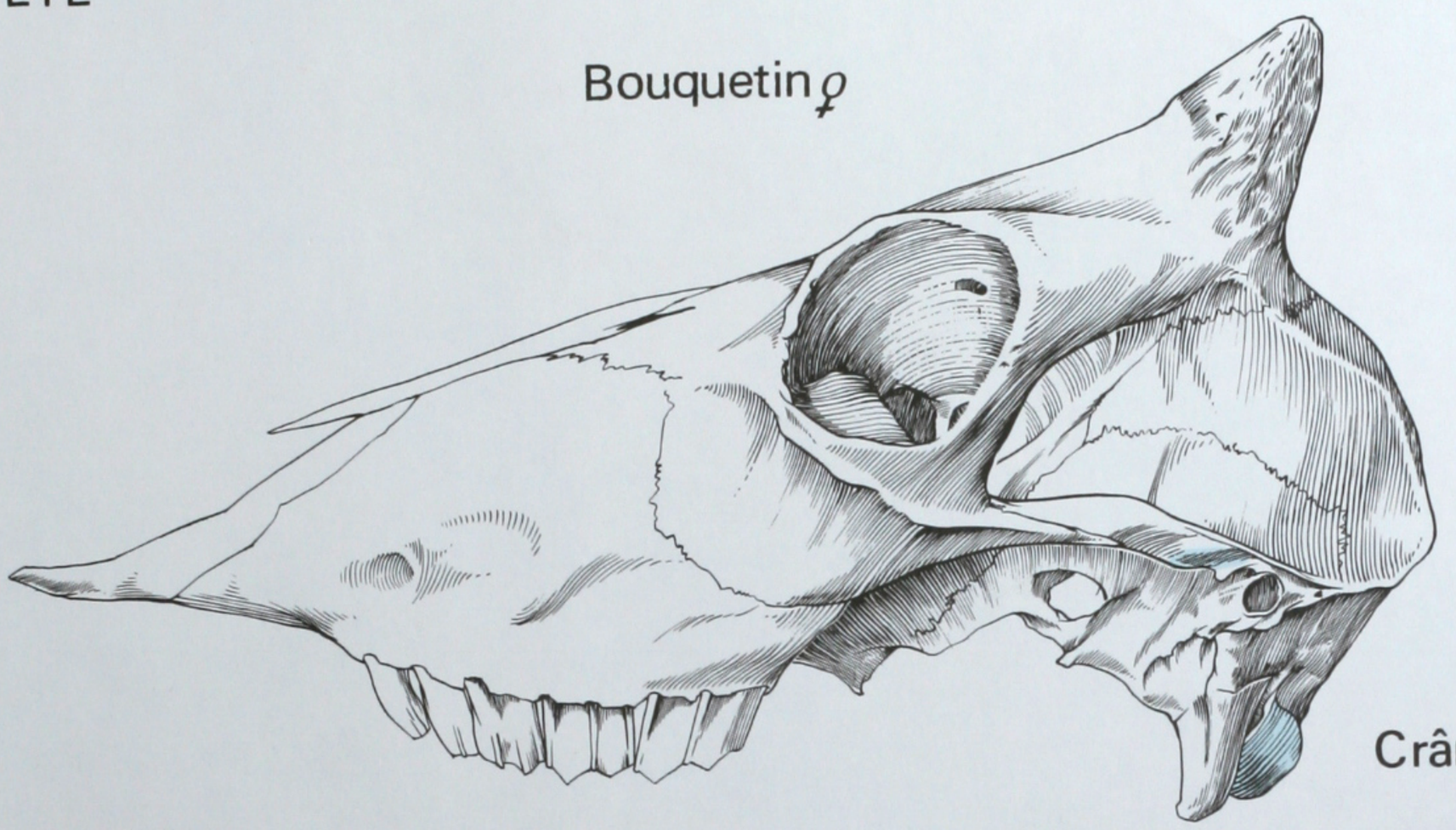
vue frontale

Crâne



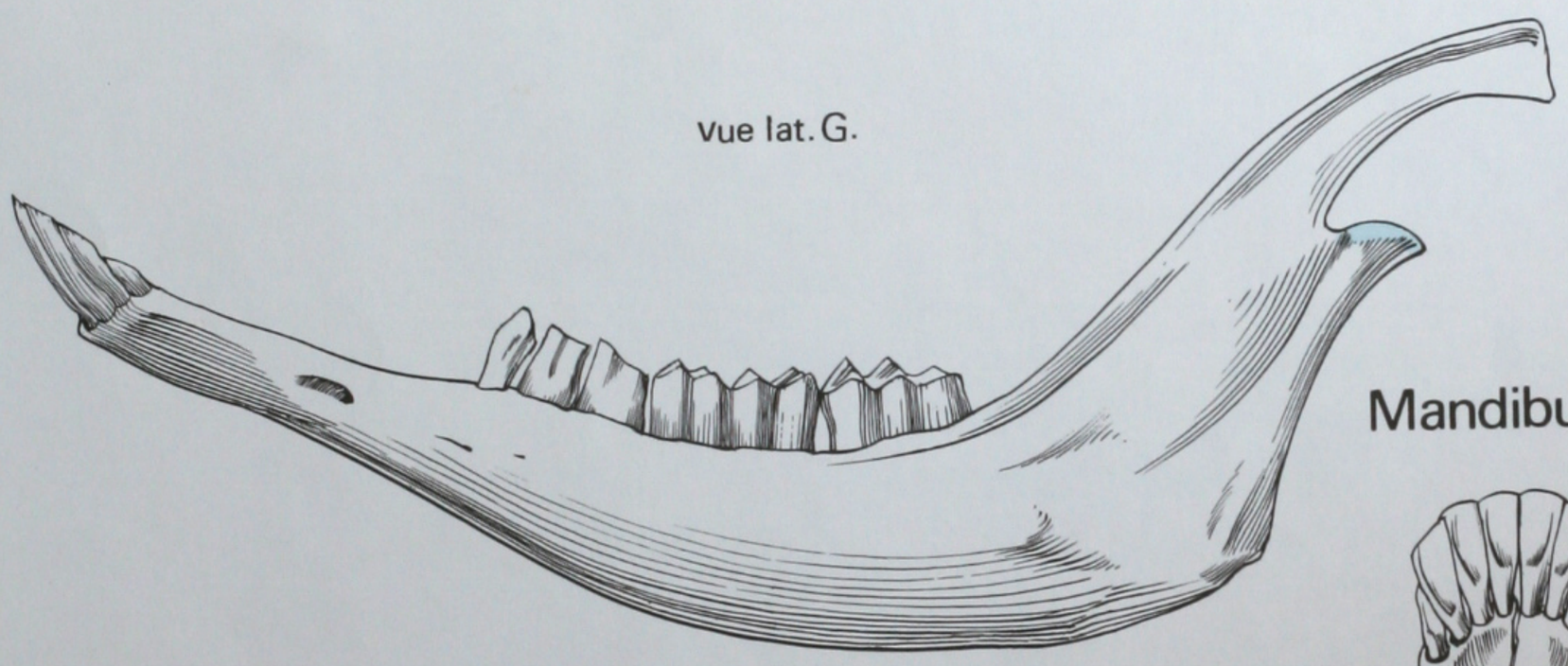
Vue ventrale

Bouquetin ♀

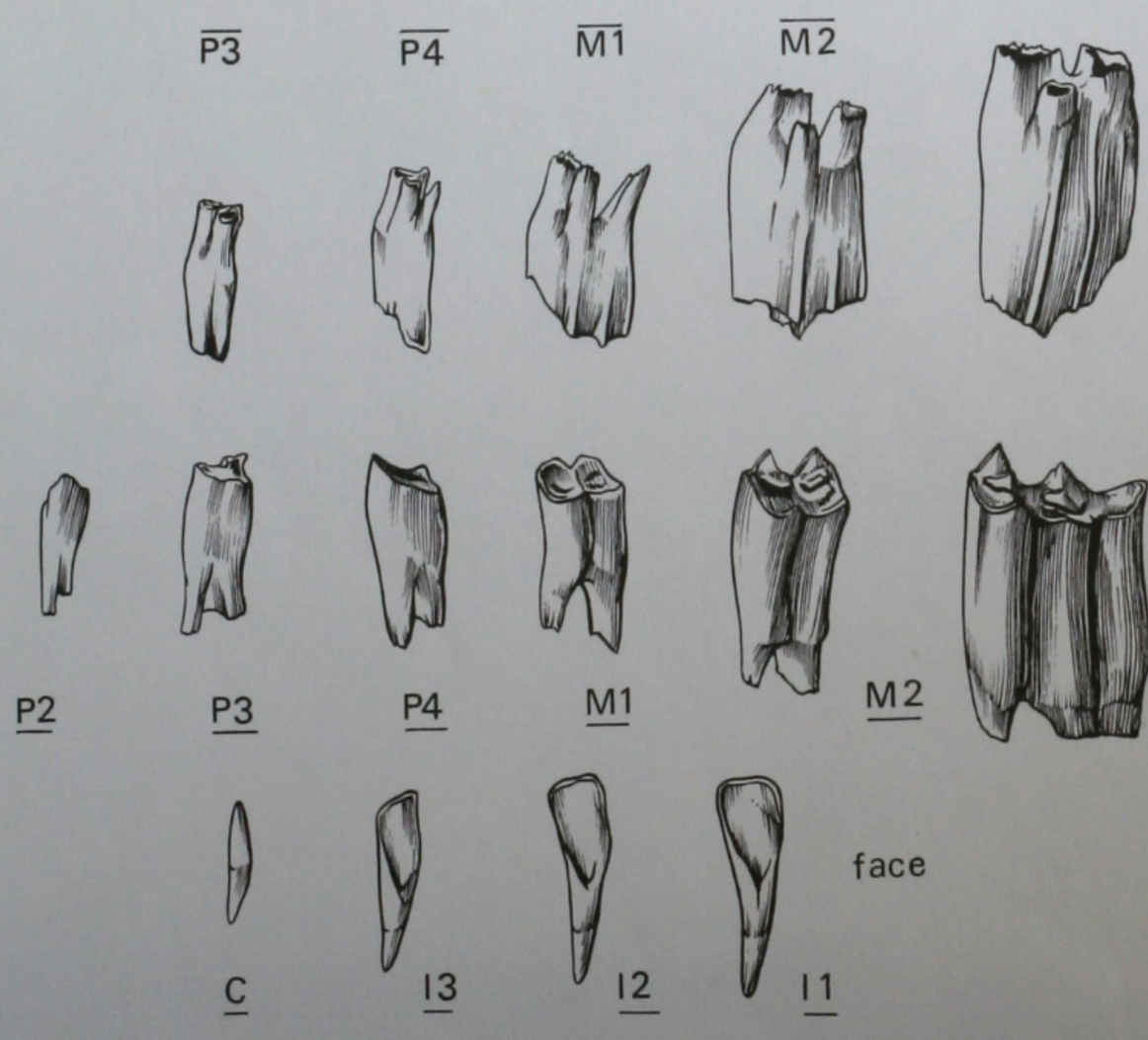


Crâne

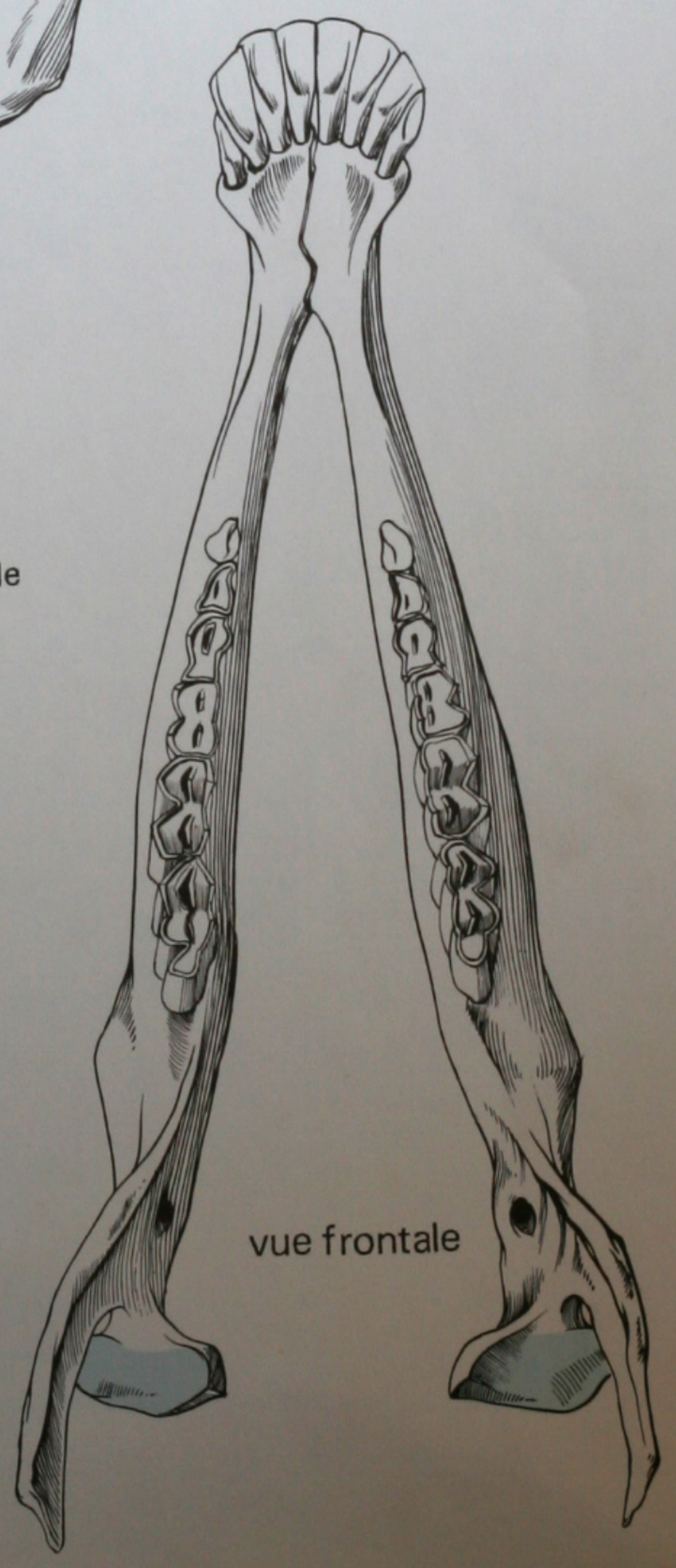
vue lat. G.



Mandibules



Dents G.



vue frontale

Crâne

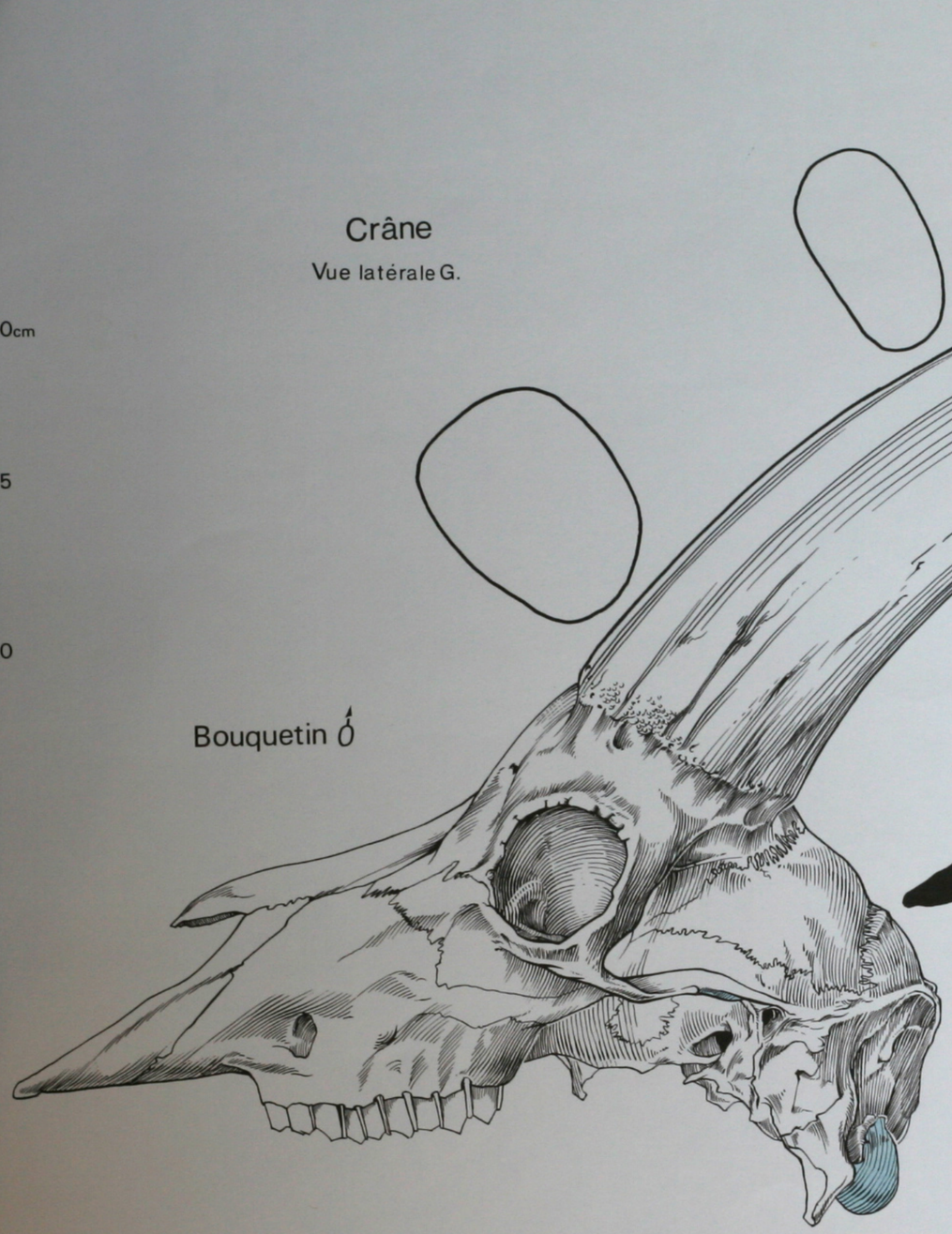
Vue latérale G.

10cm

5

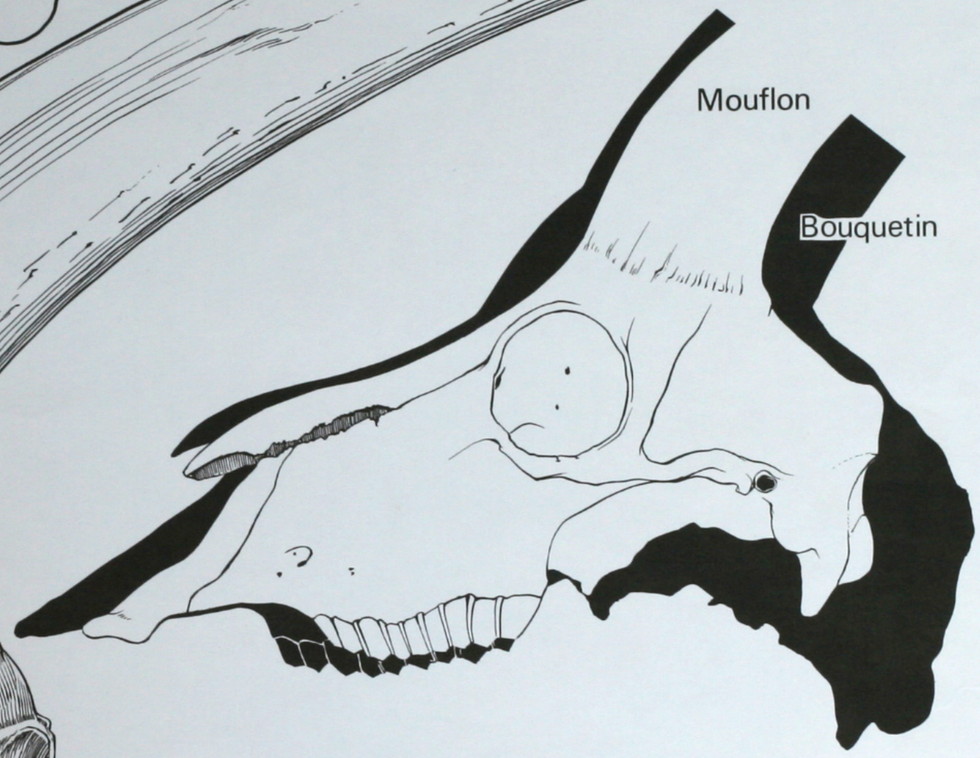
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Bouquetin ♂



Mouflon

Bouquetin

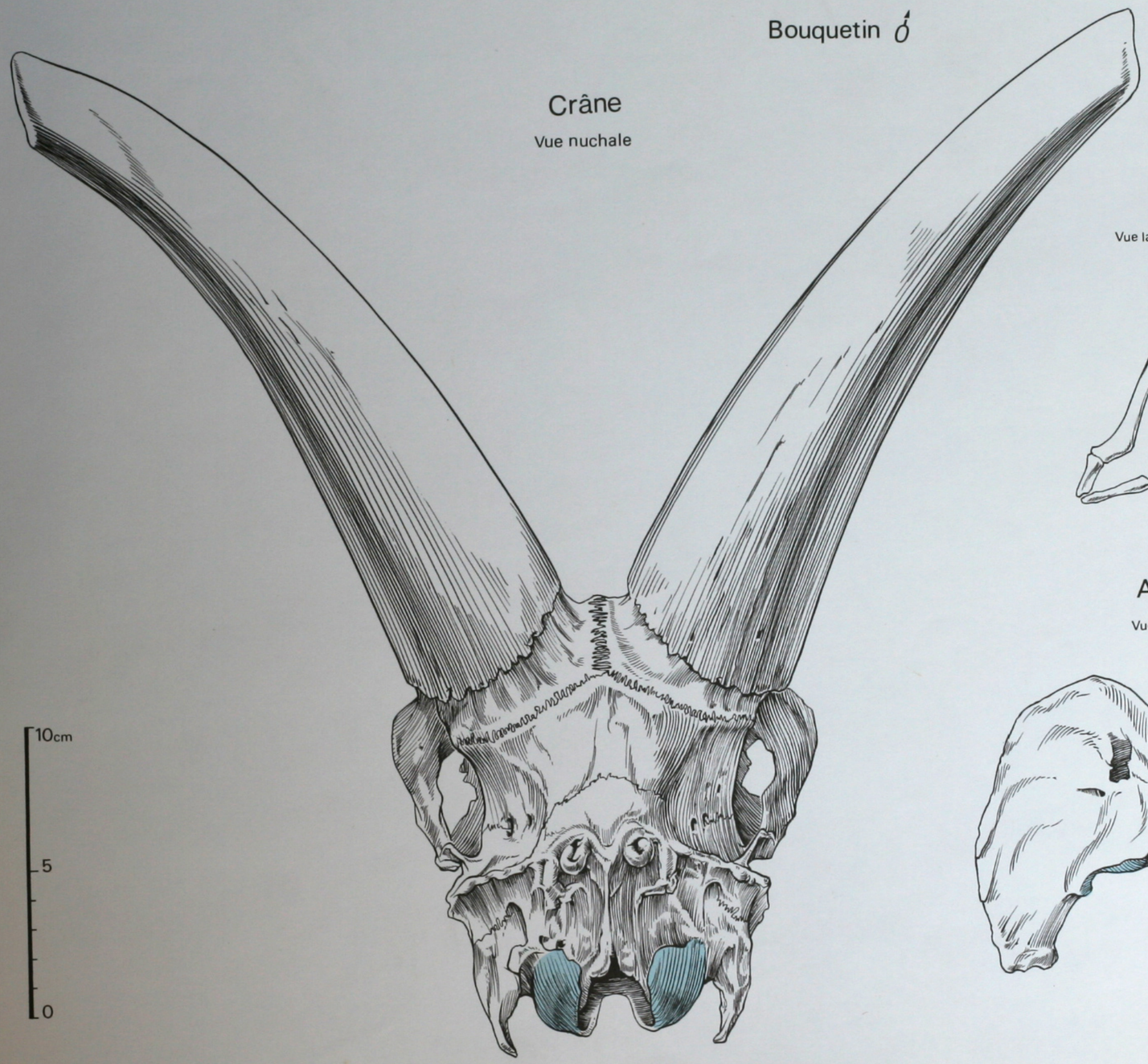


TETE

Bouquetin ♂

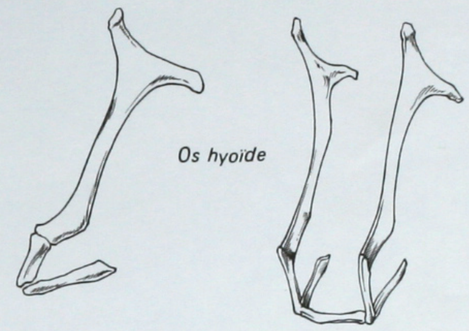
Crâne

Vue nuchale



Vue latéraleG.

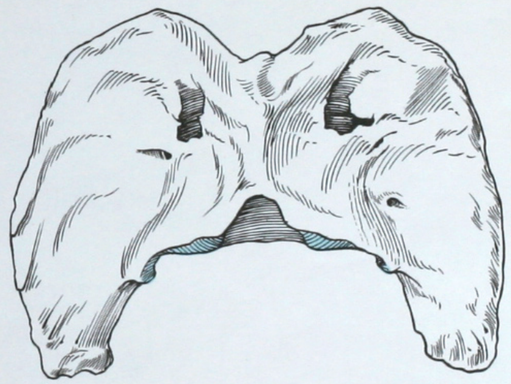
Vue vent.



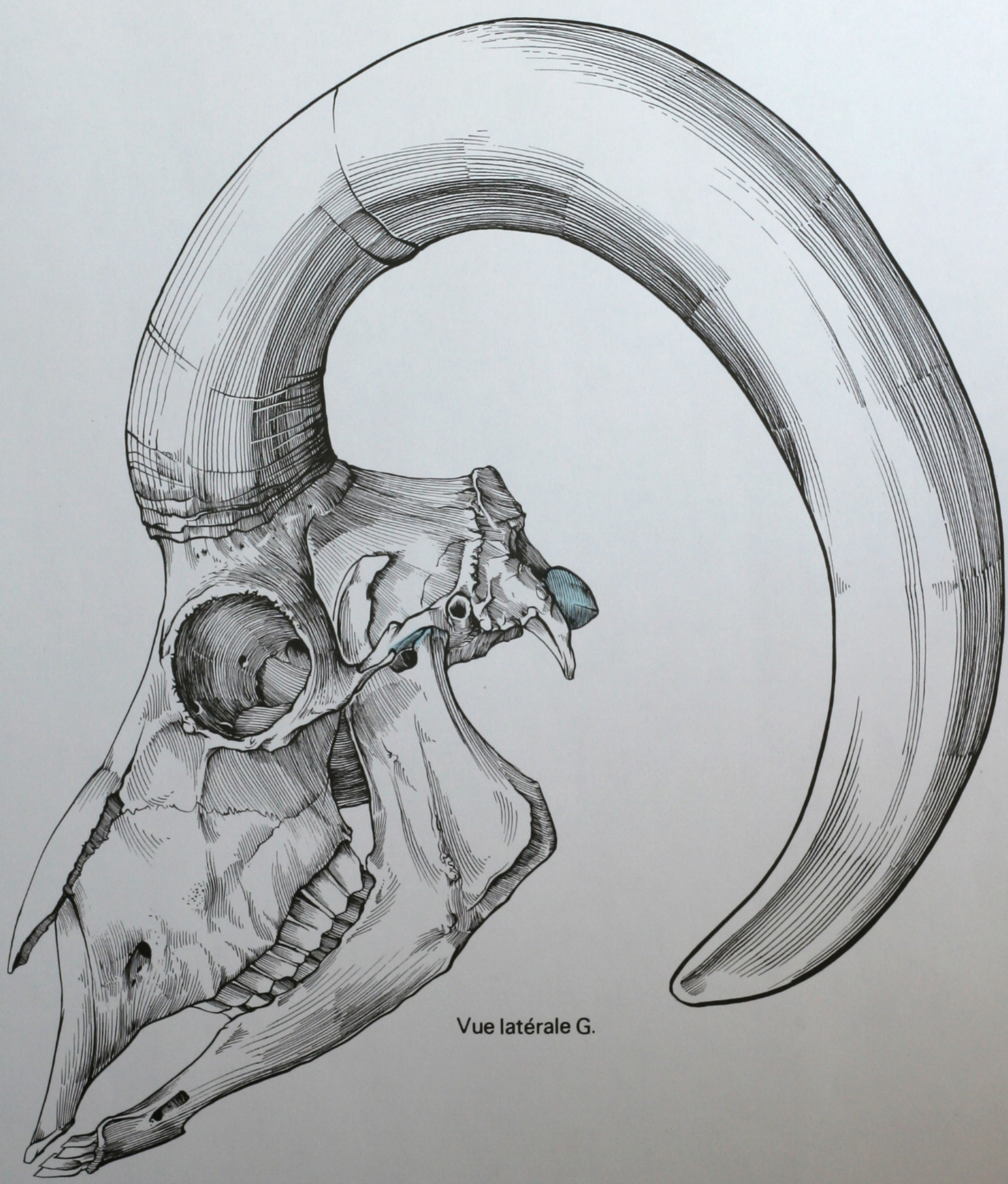
Os hyoïde

Atlas

Vue dorsale

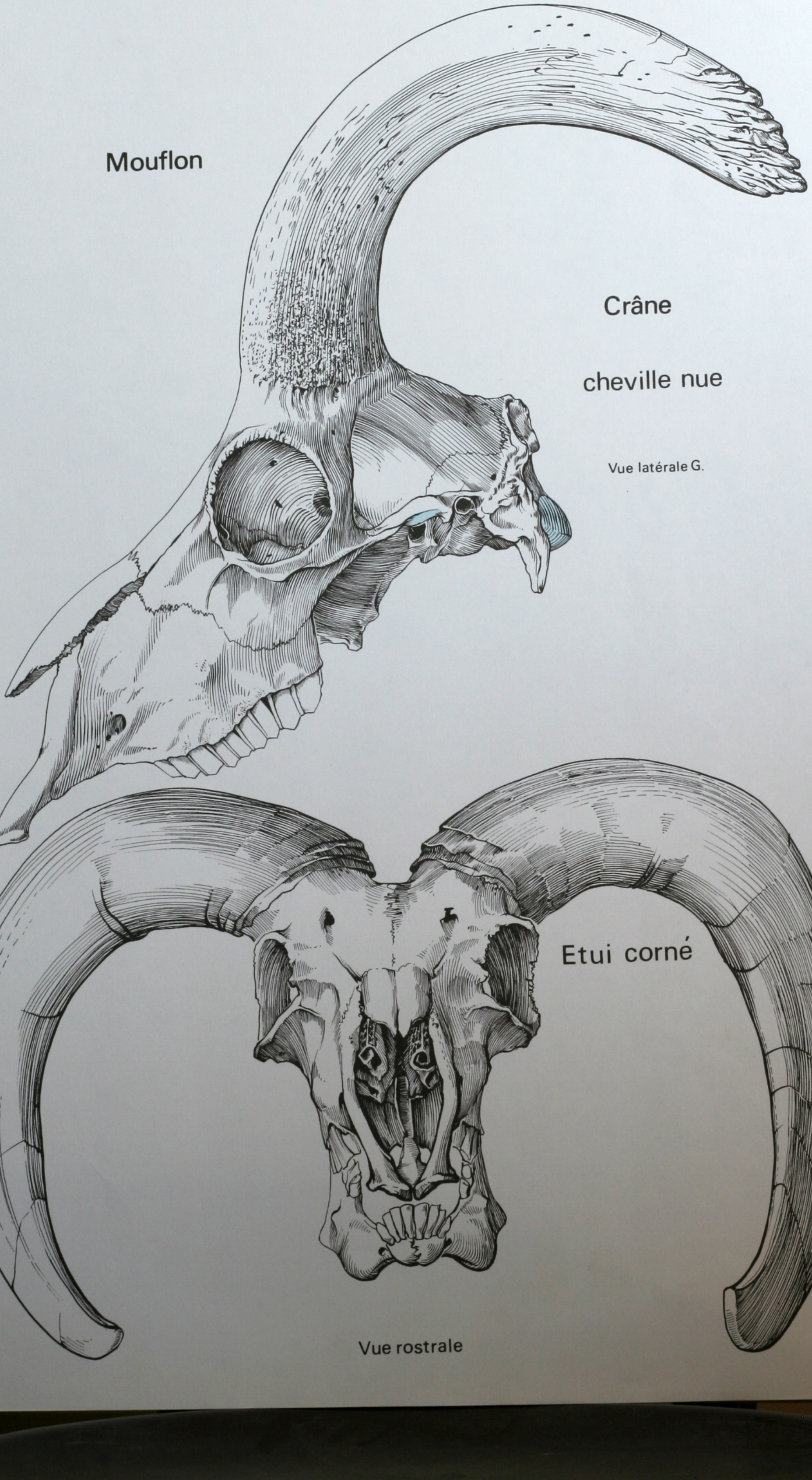


Mouflon



Vue latérale G.

Mouflon



Crâne

cheville nue

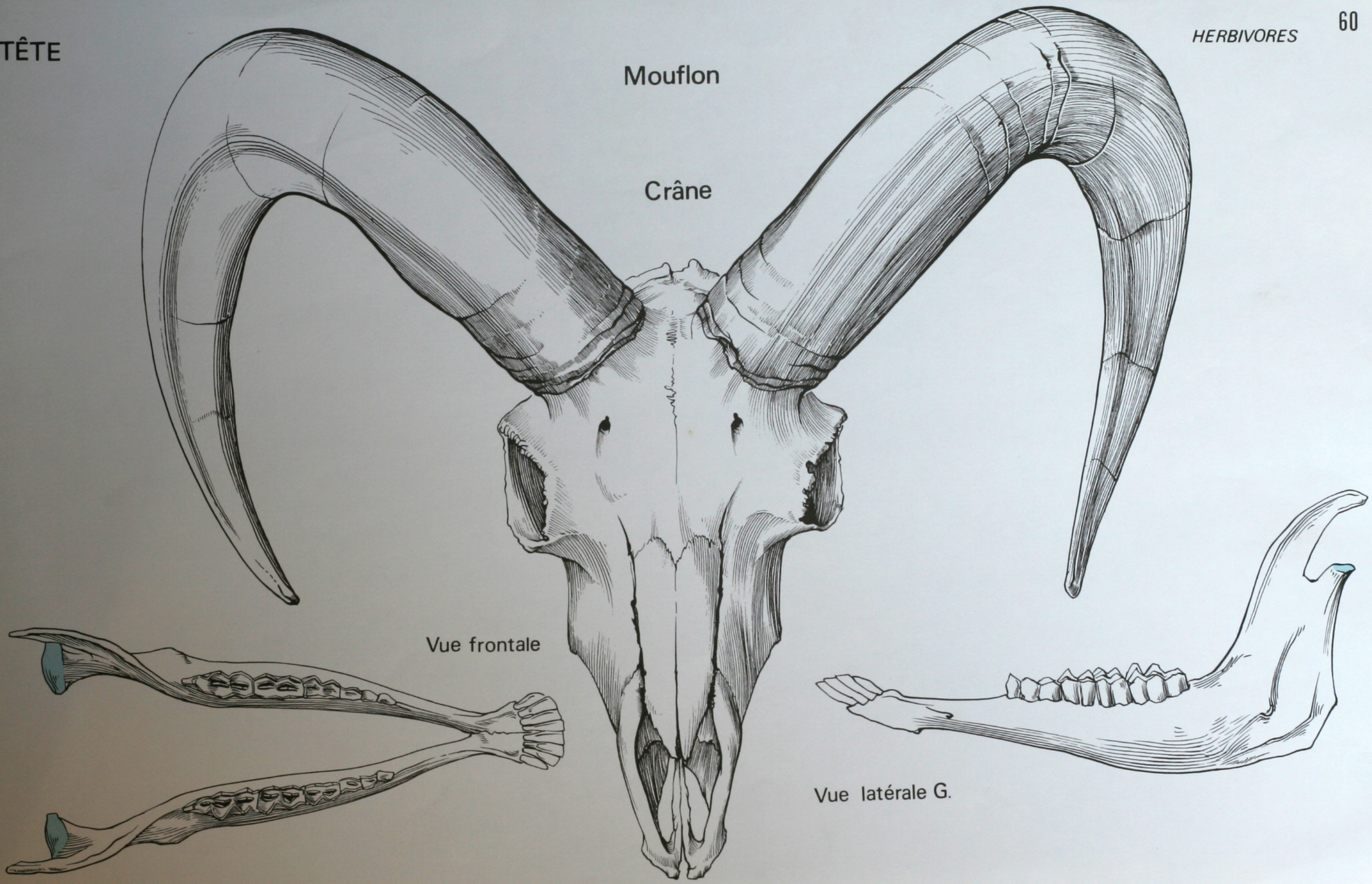
Vue latérale G.

Etui corné

Vue rostrale

Mouflon

Crâne



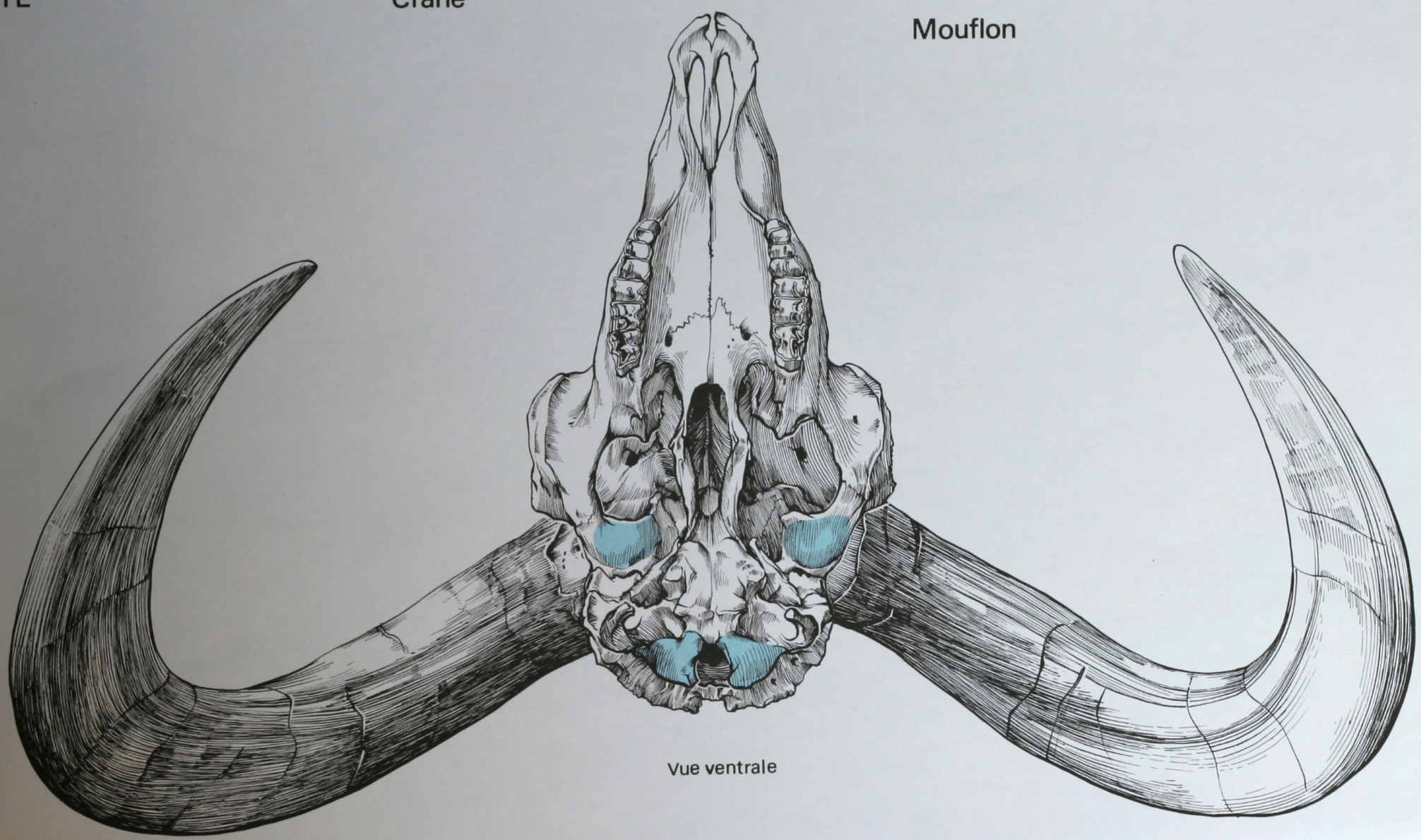
Vue frontale

Vue latérale G.

TÊTE

Crâne

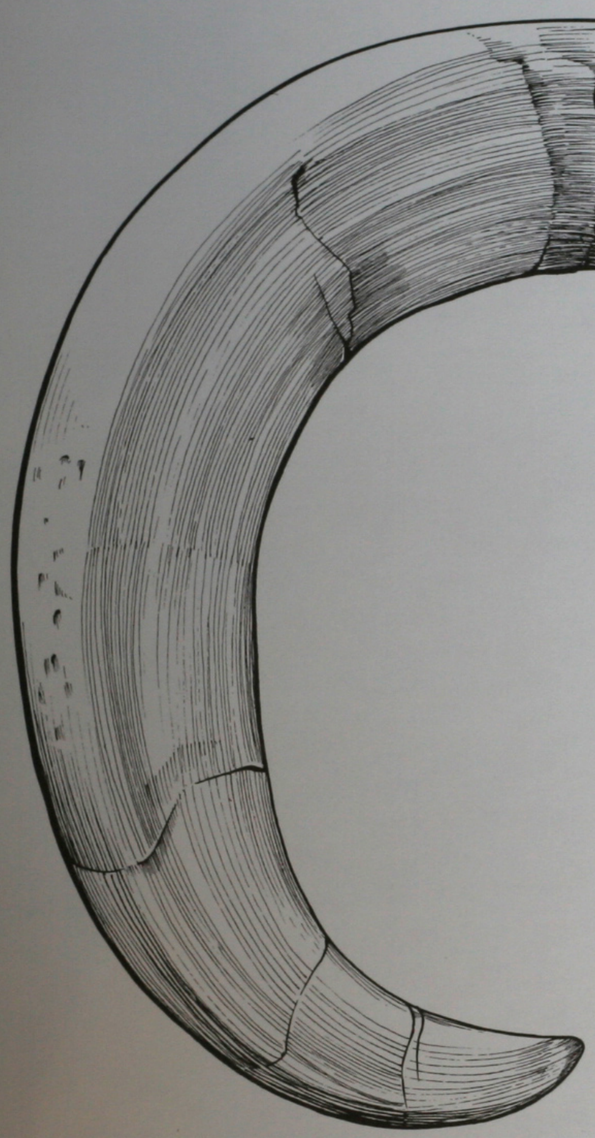
Mouflon



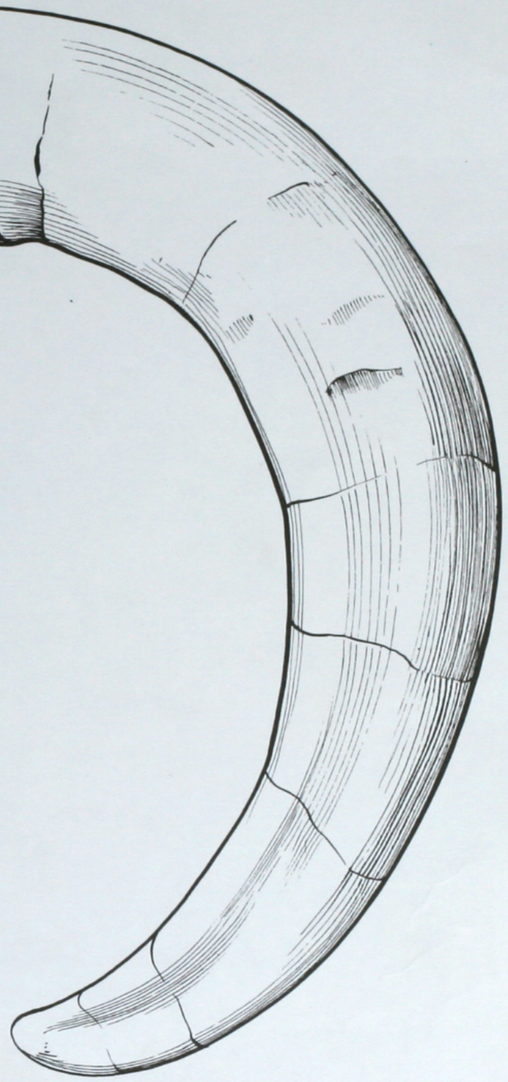
Vue ventrale

Mouflon

Crâne



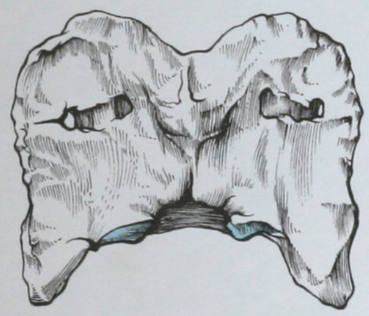




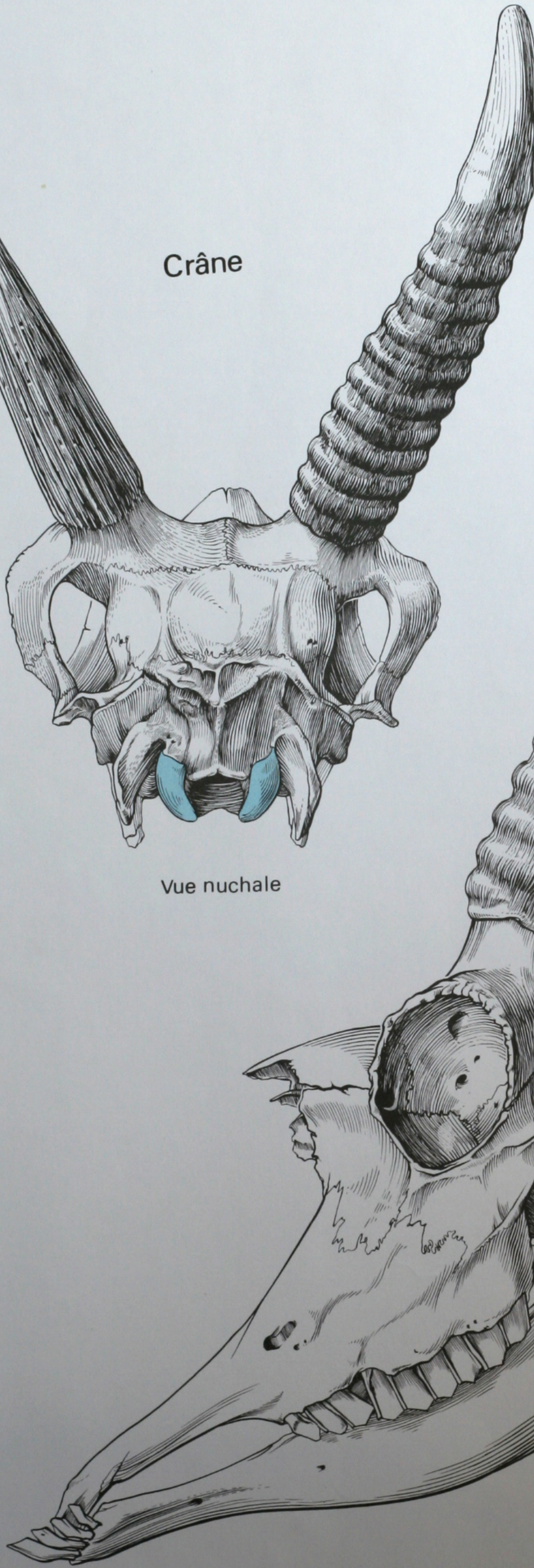
Vue nuchale

Atlas

Vue dorsale



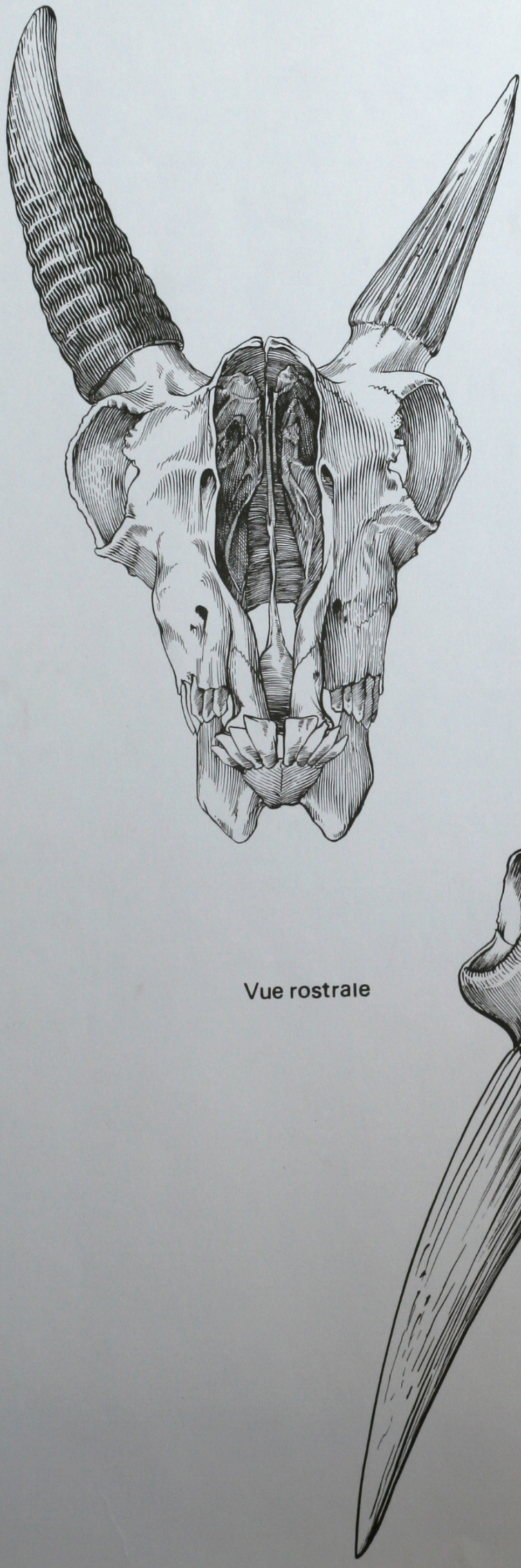
Crâne



Vue nuchale

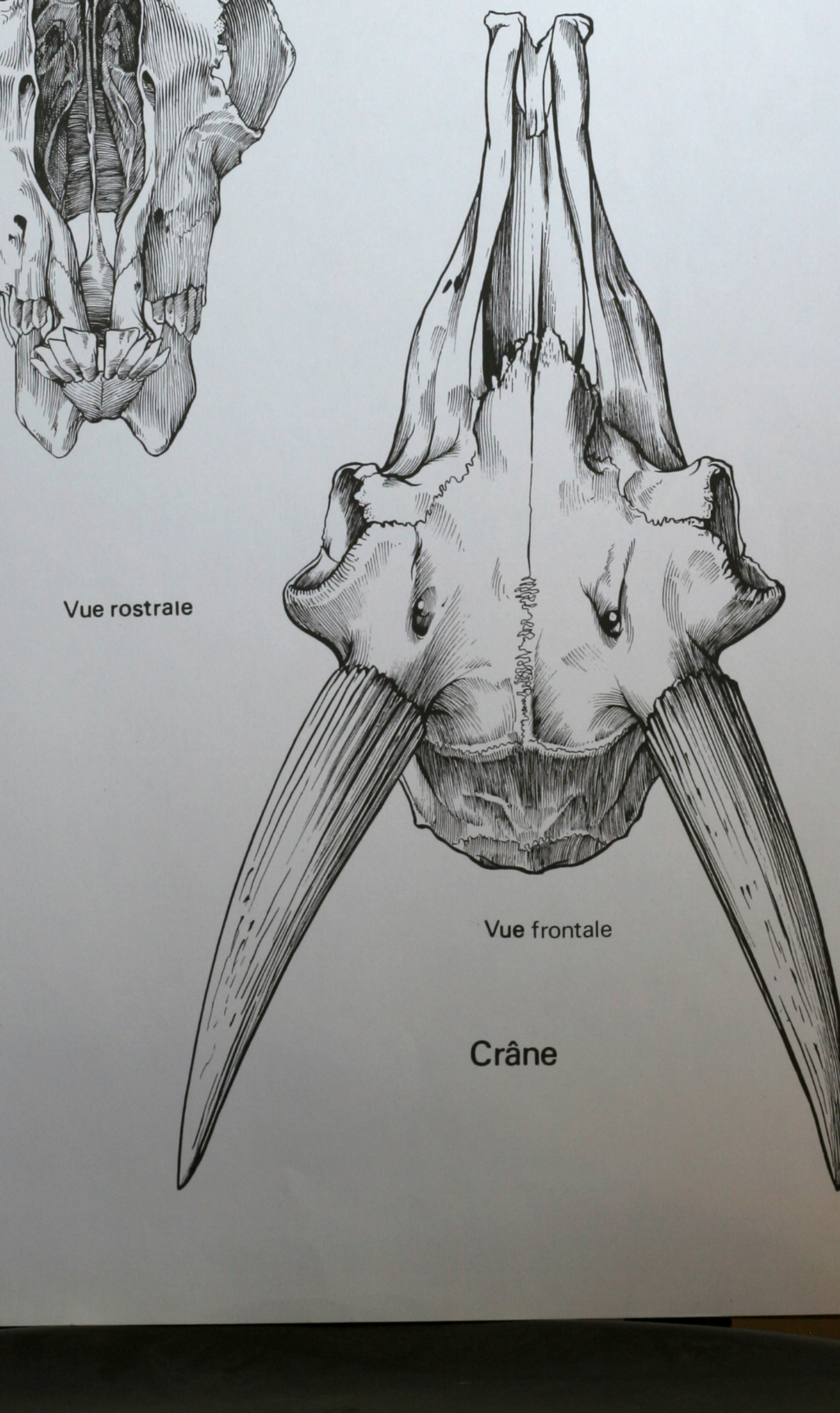
Saïga

Vue latérale G.



Saïga

Vue rostrale

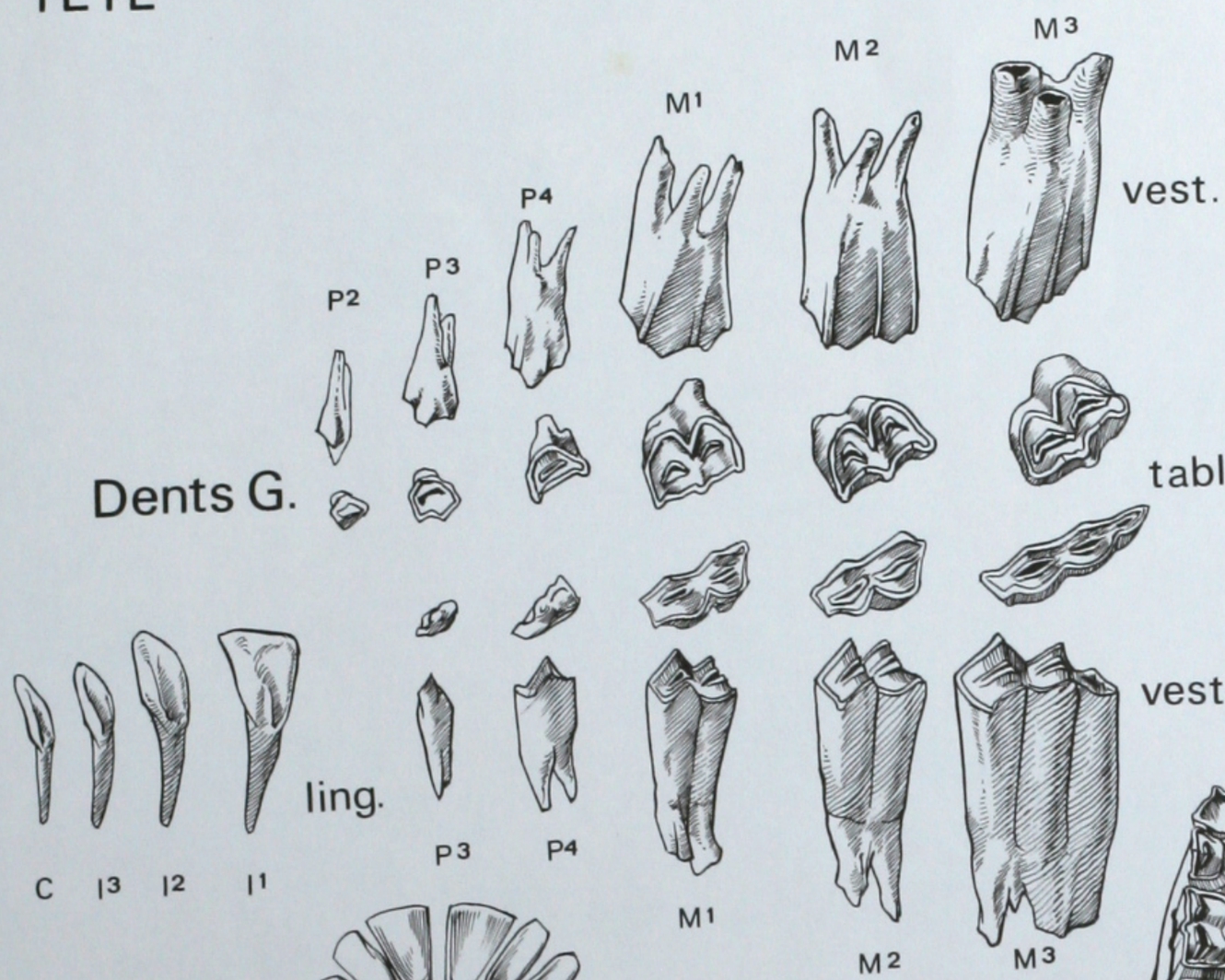


Vue frontale

Crâne

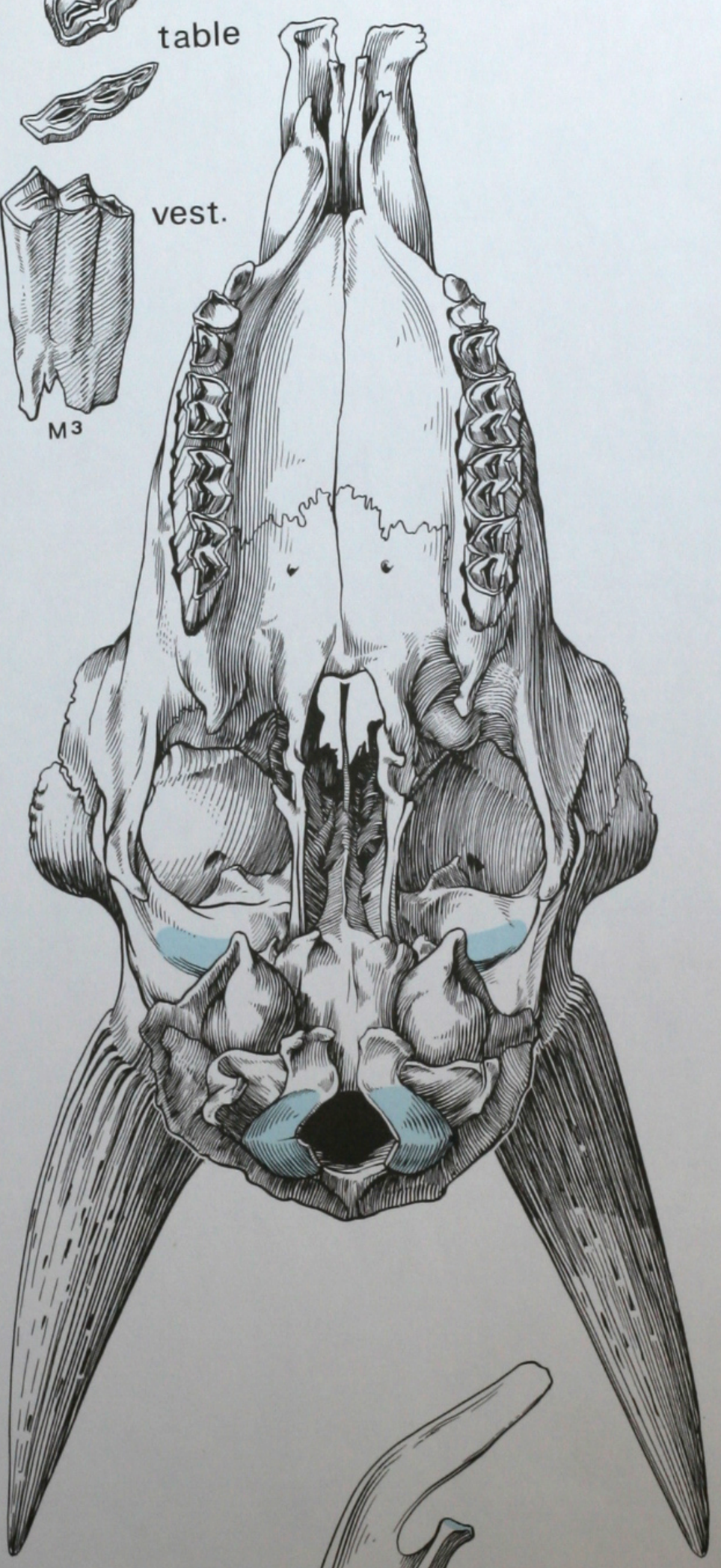
TÊTE

Dents G.

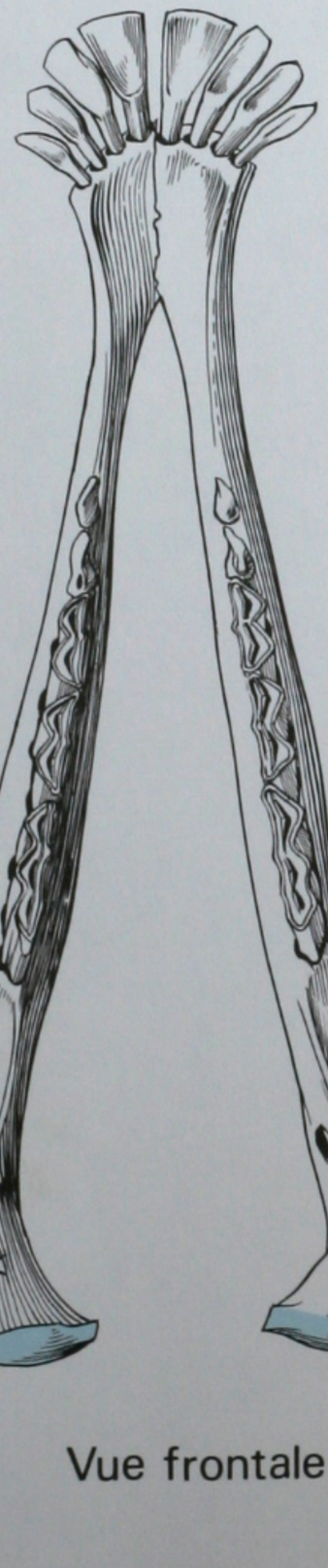


Crâne

Vue ventrale

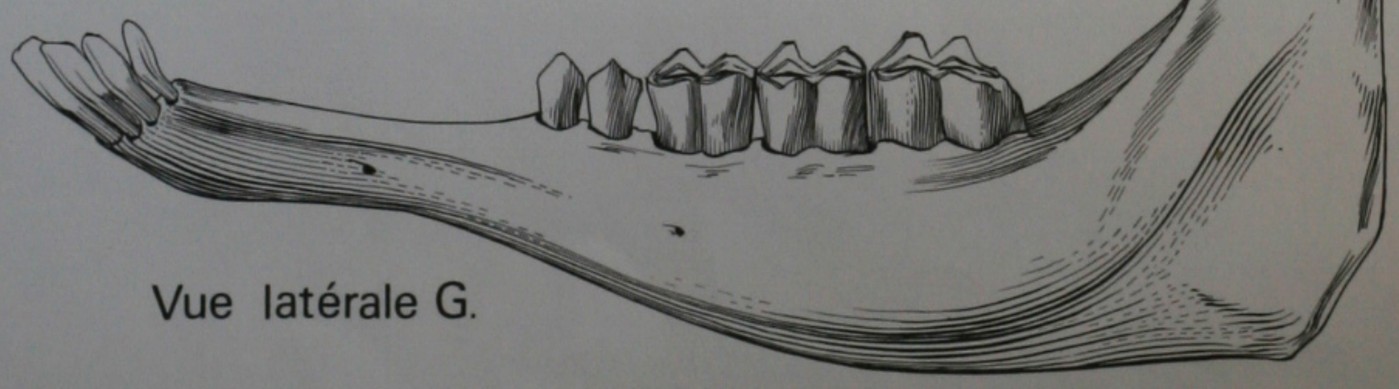


Saïga



Vue frontale

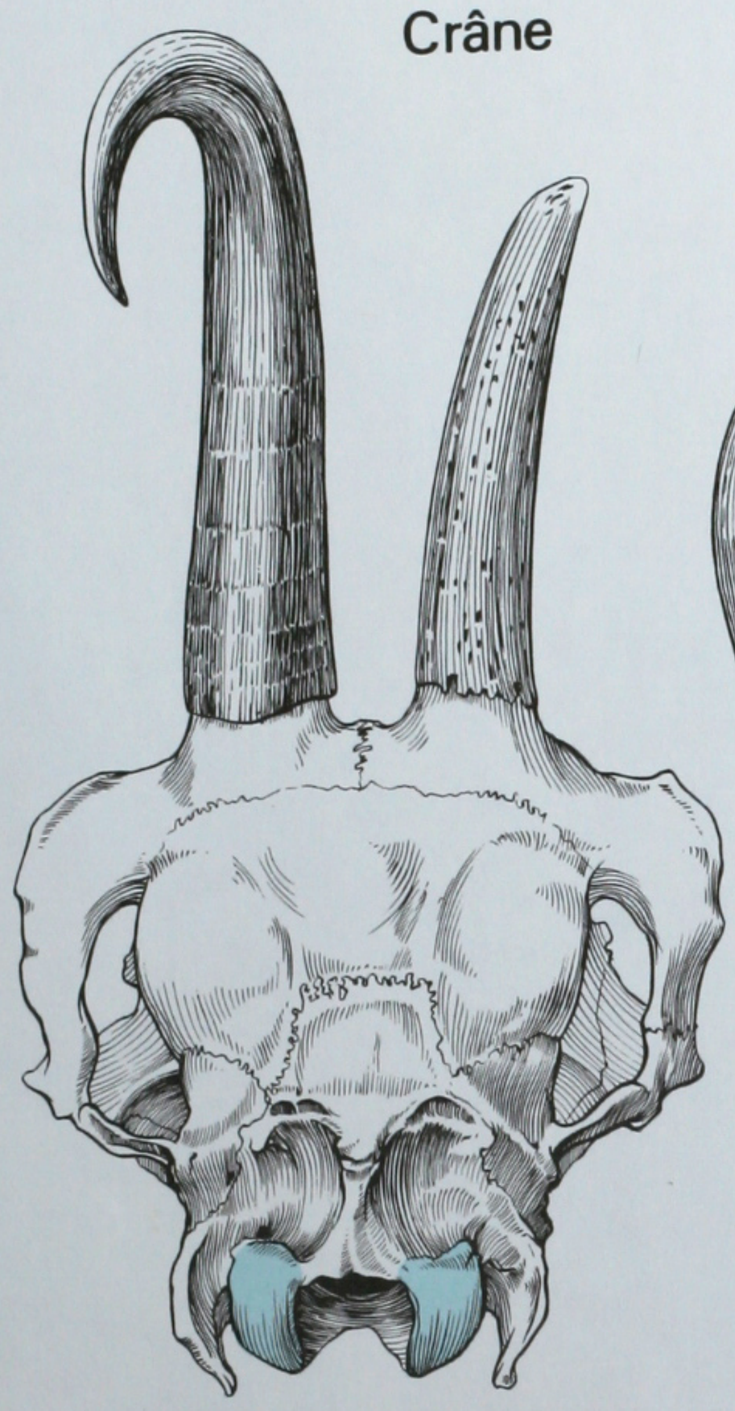
Mandibules



Vue latérale G.

TÊTE

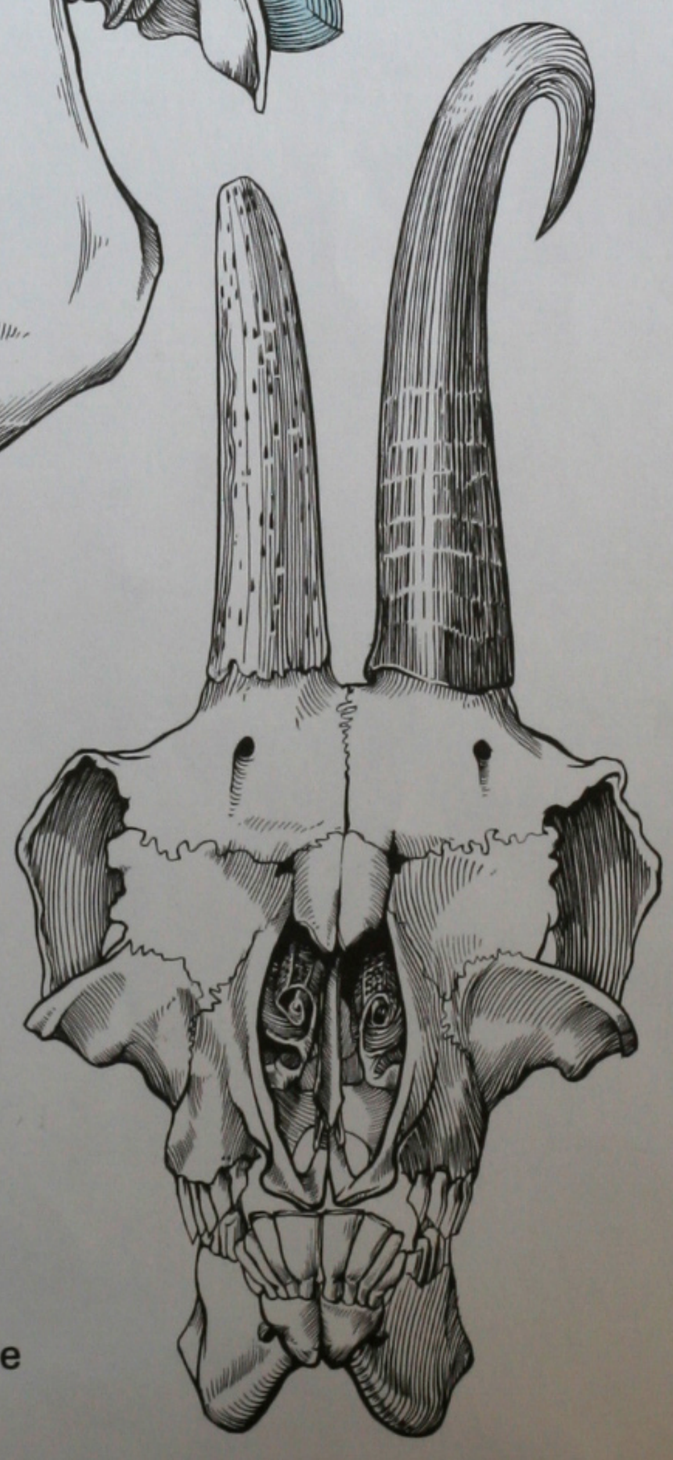
Crâne



Vue nuchale

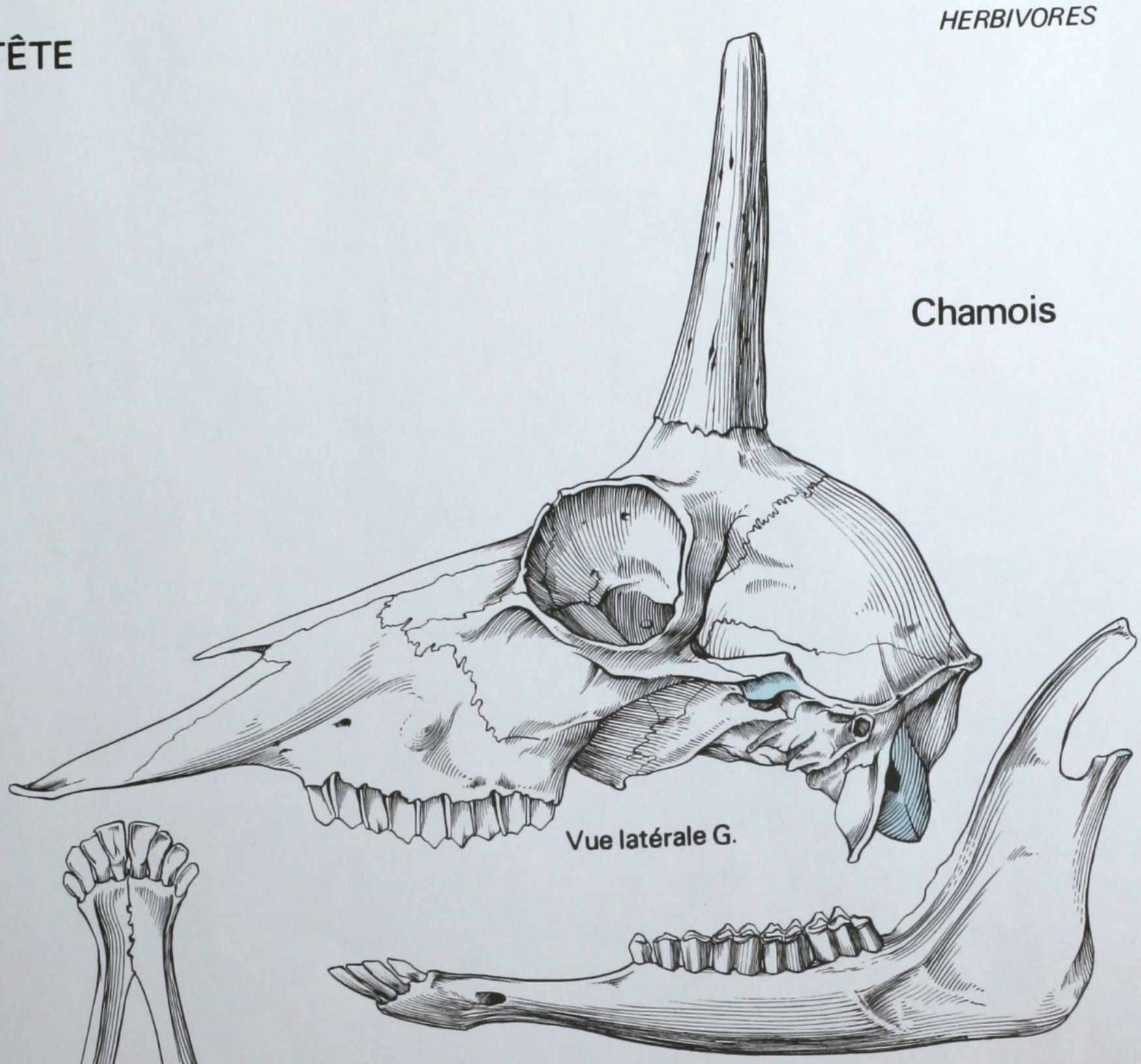
Chamois

Vue latérale G.



Vue rostrale

Chamois



Vue latérale G.



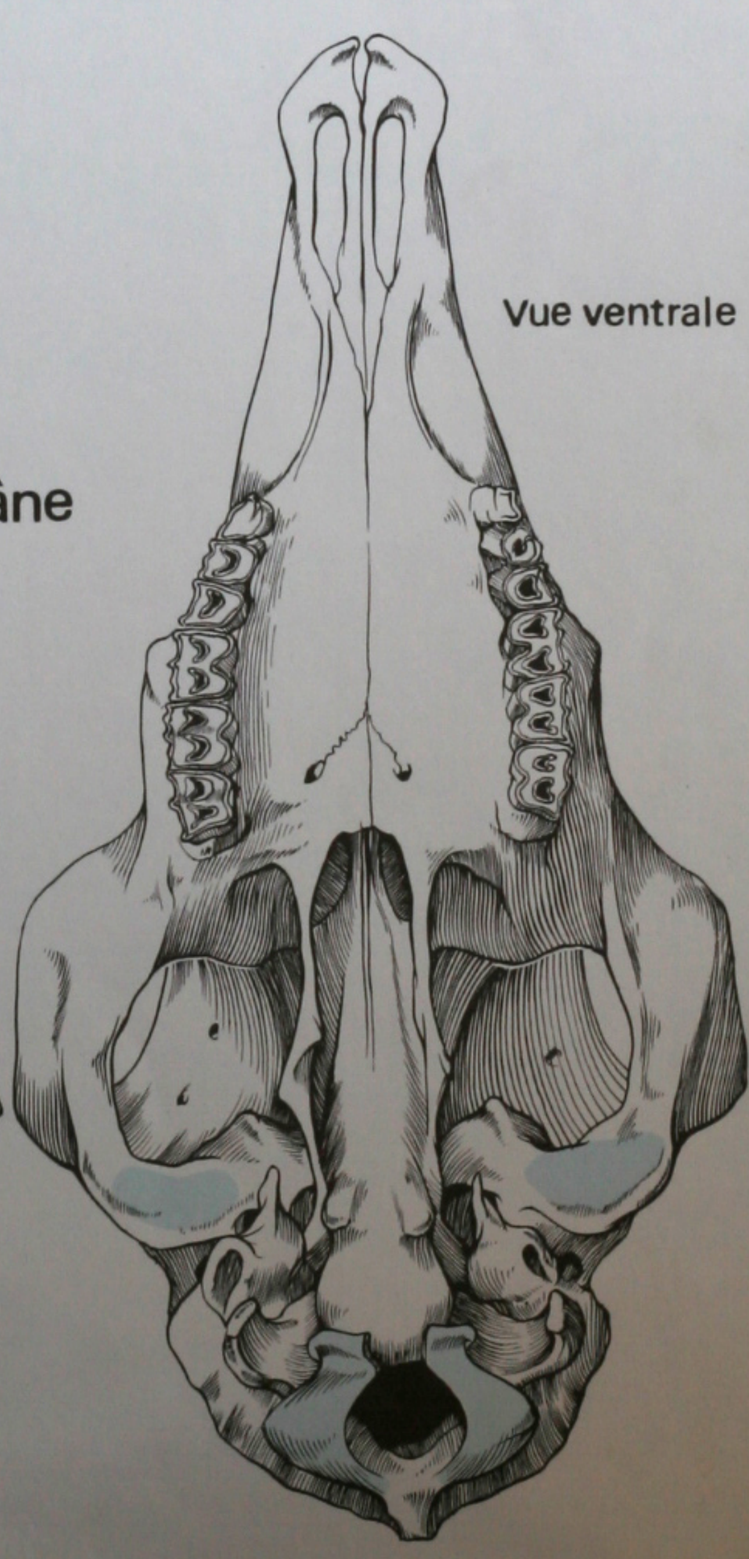
Mandibules

vue frontale



vue frontale

Crâne

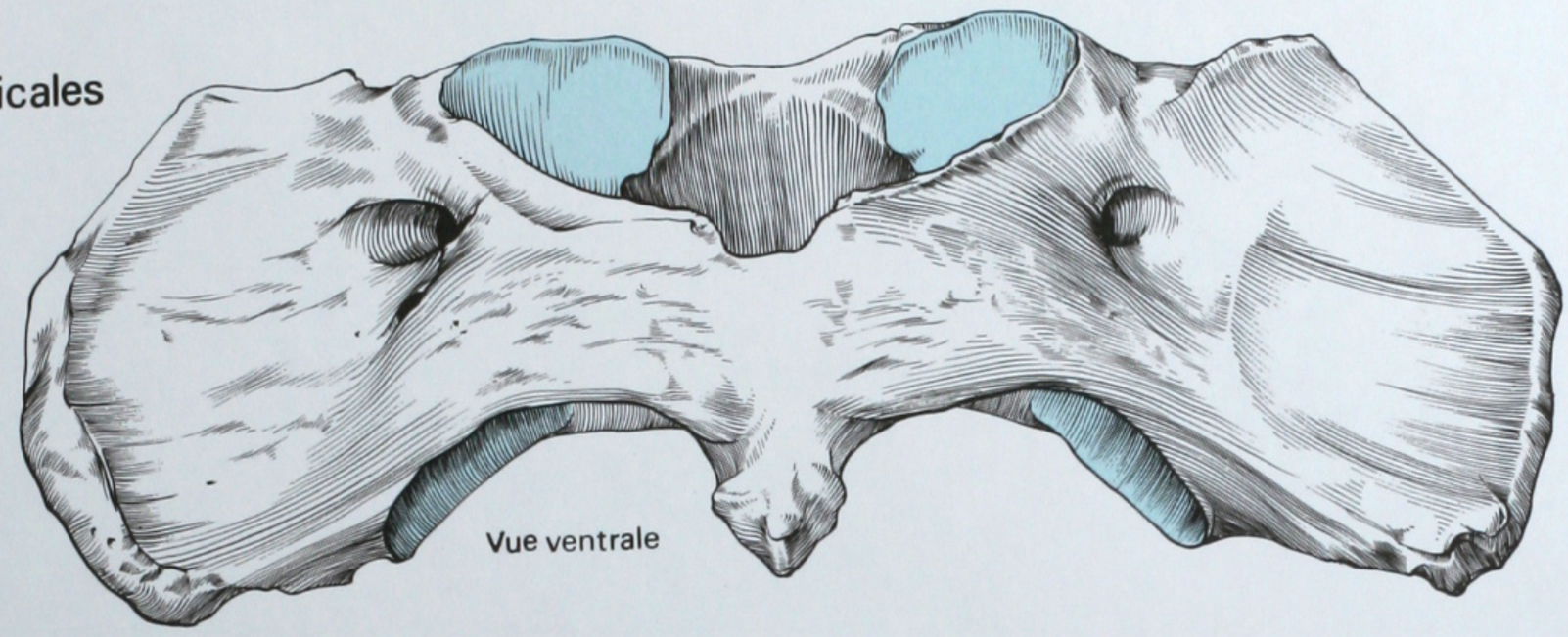


Vue ventrale

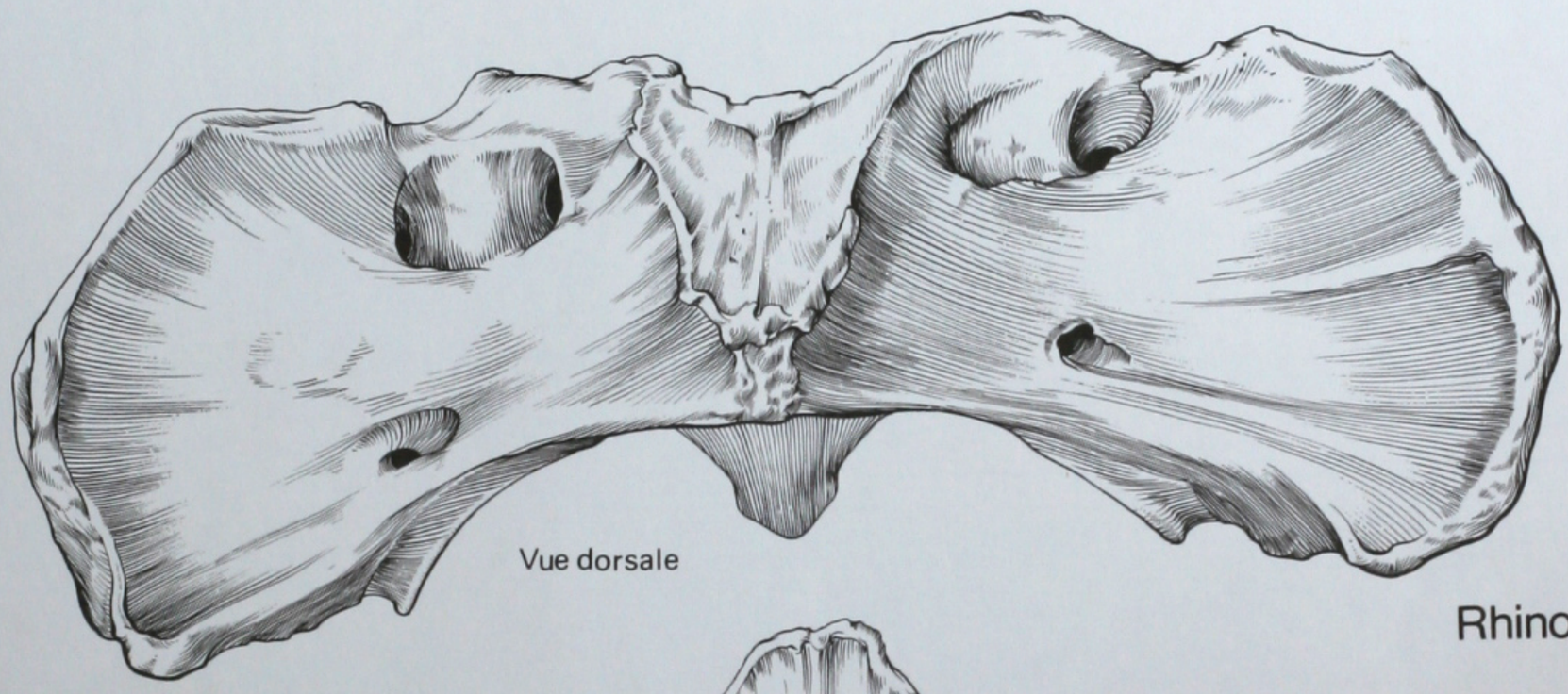
RACHIS

Cervicales

Atlas

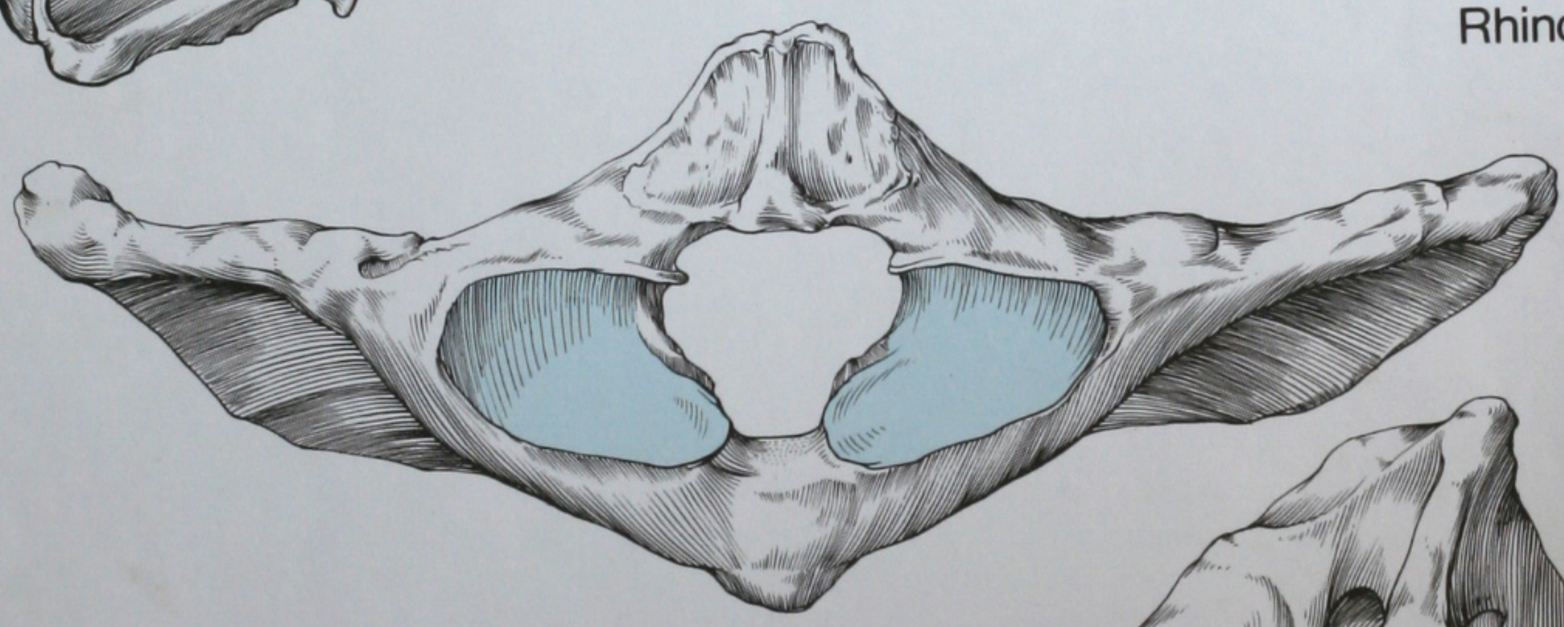


Vue ventrale



Vue dorsale

Rhinocéros



Vue crâniale

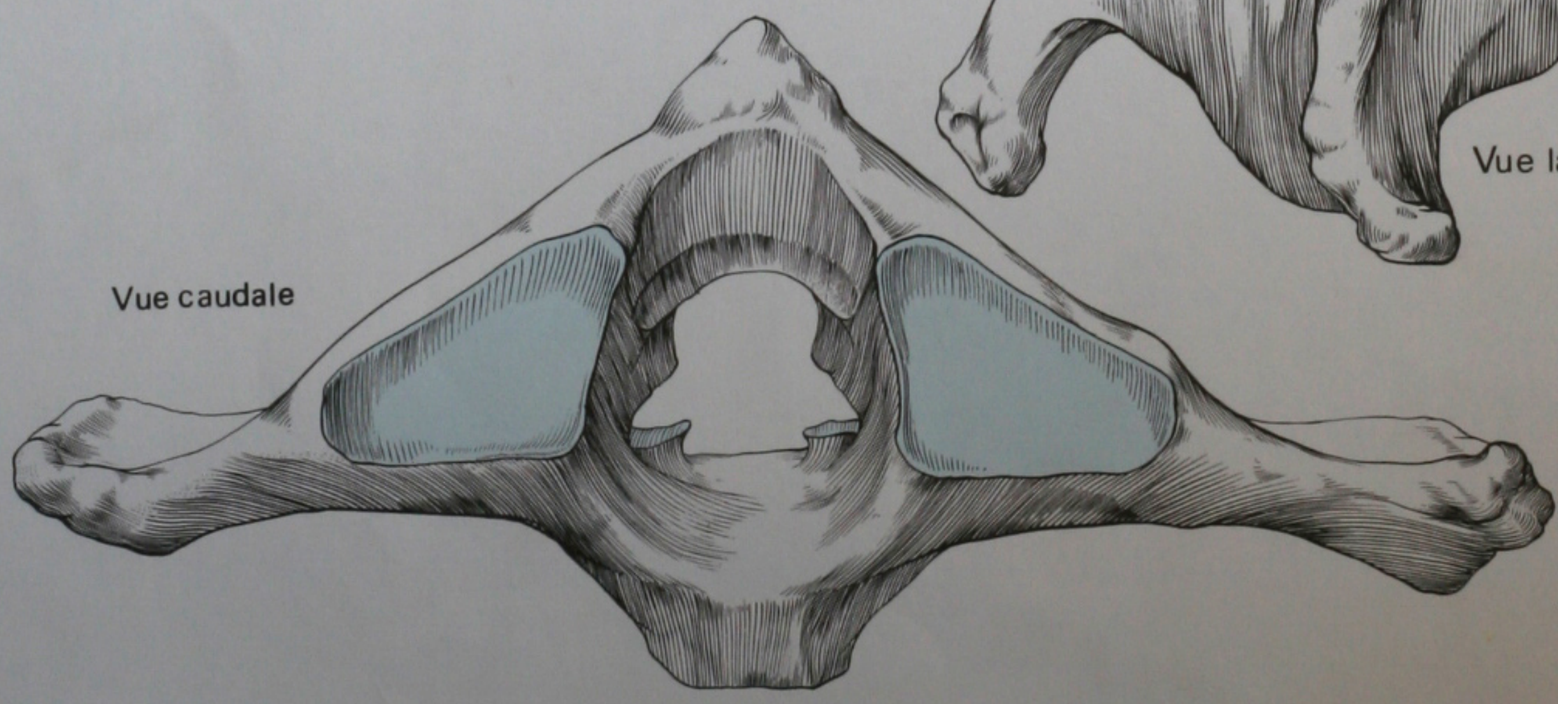


Vue latérale G.

10cm

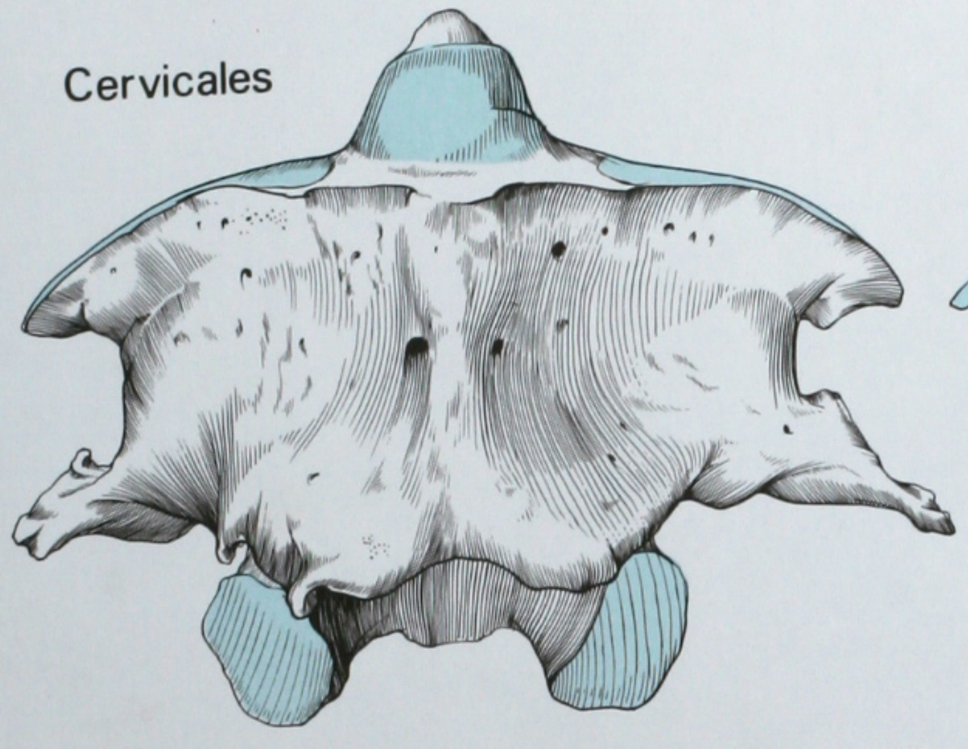
5

0



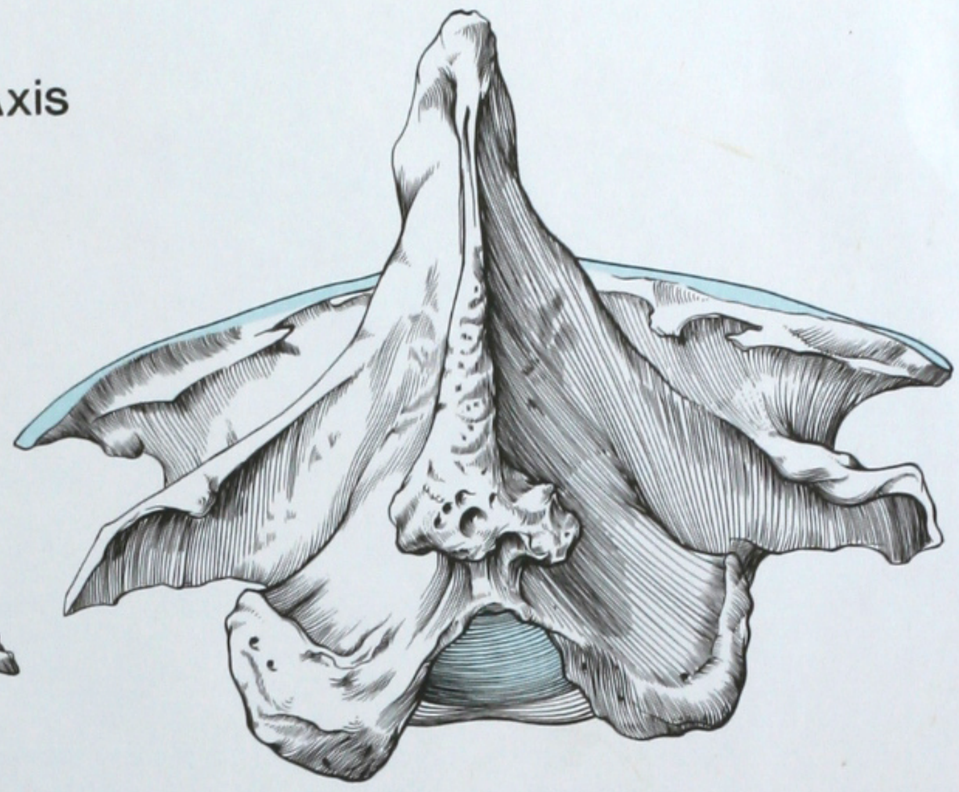
Vue caudale

Cervicales

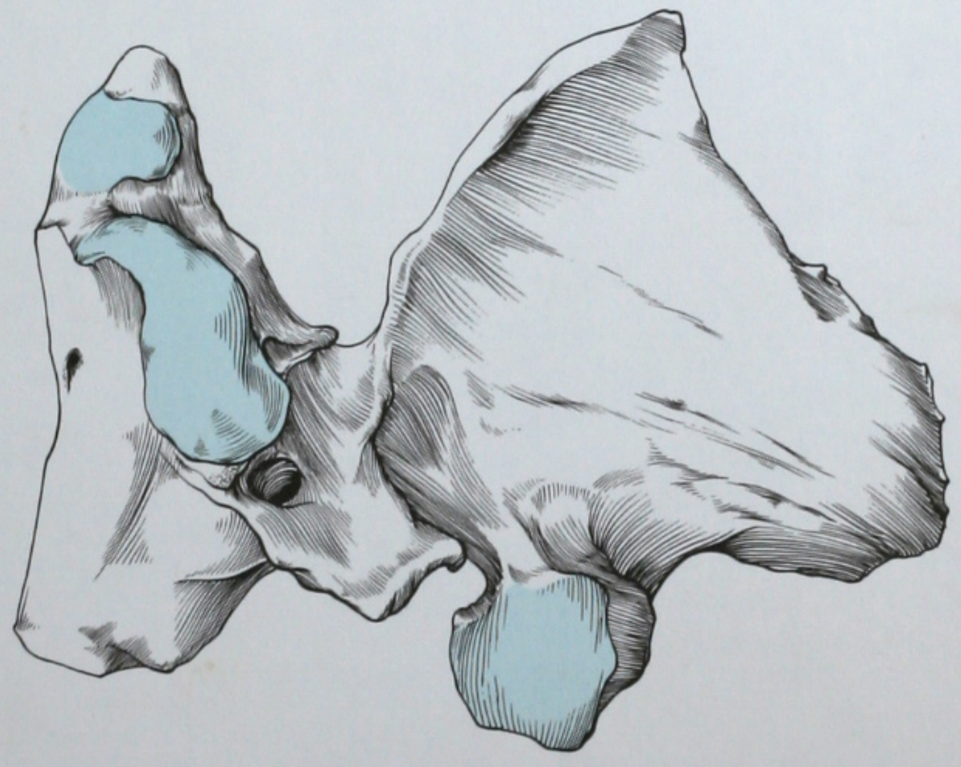


Vue ventrale

Axis



Rhinocéros

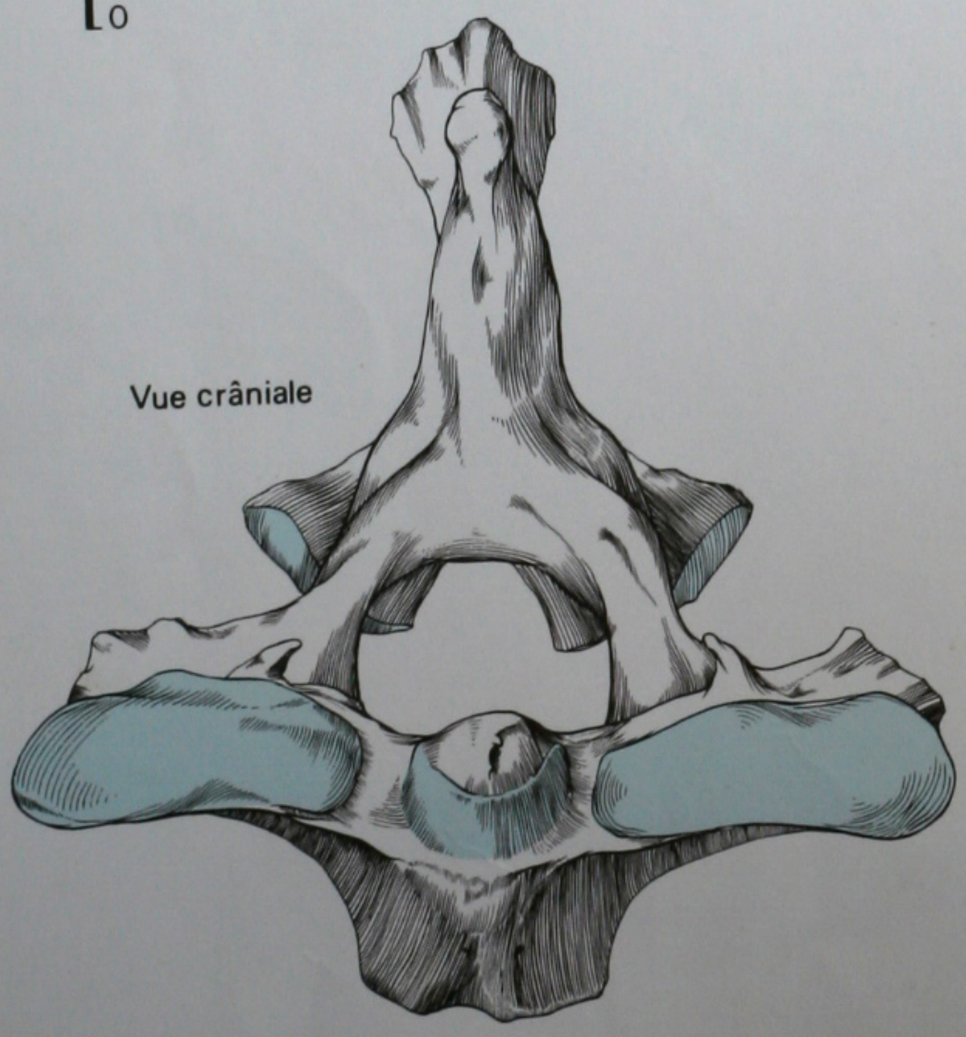


Vue latérale G.

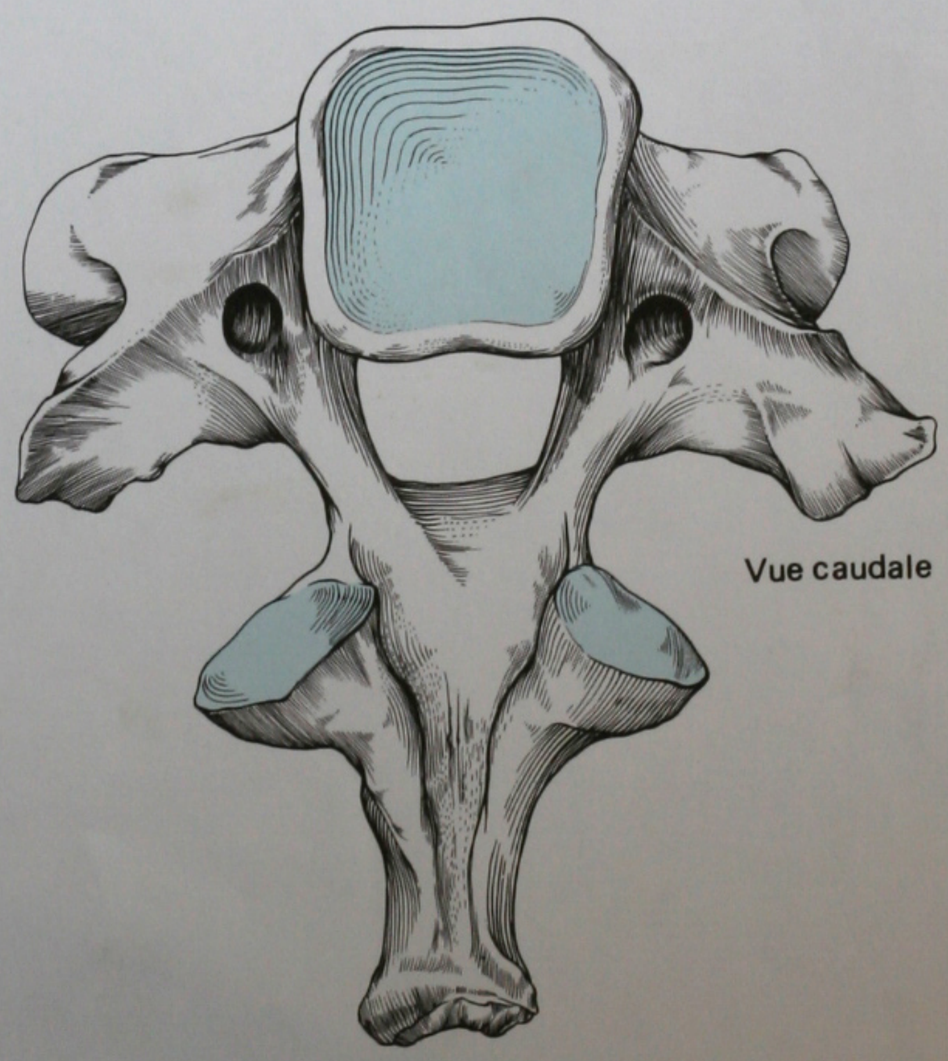
10cm

5

0



Vue crâniale

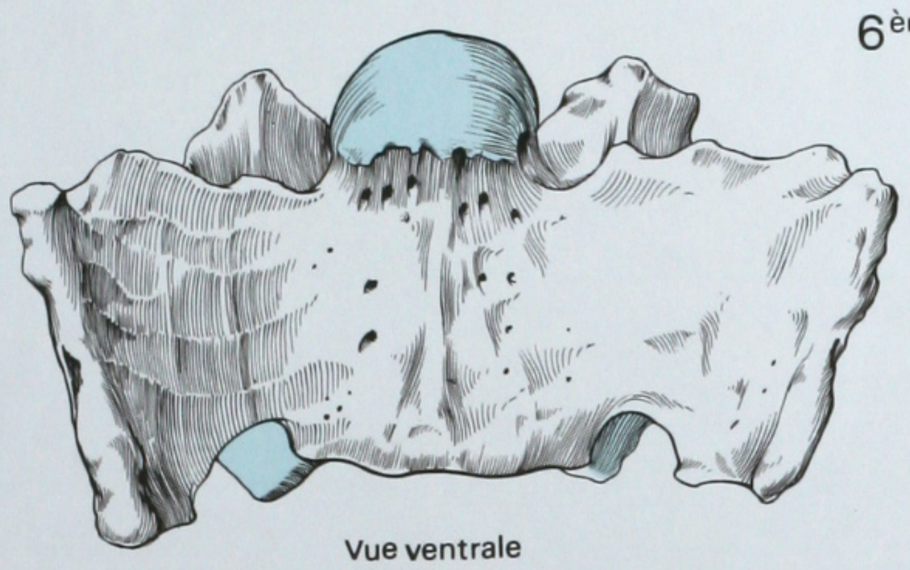


Vue caudale

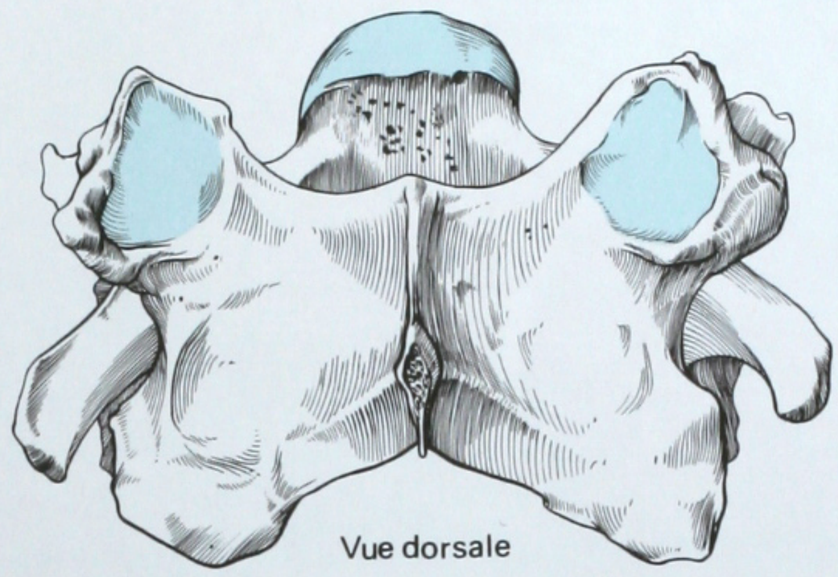
RACHIS

Cervicales

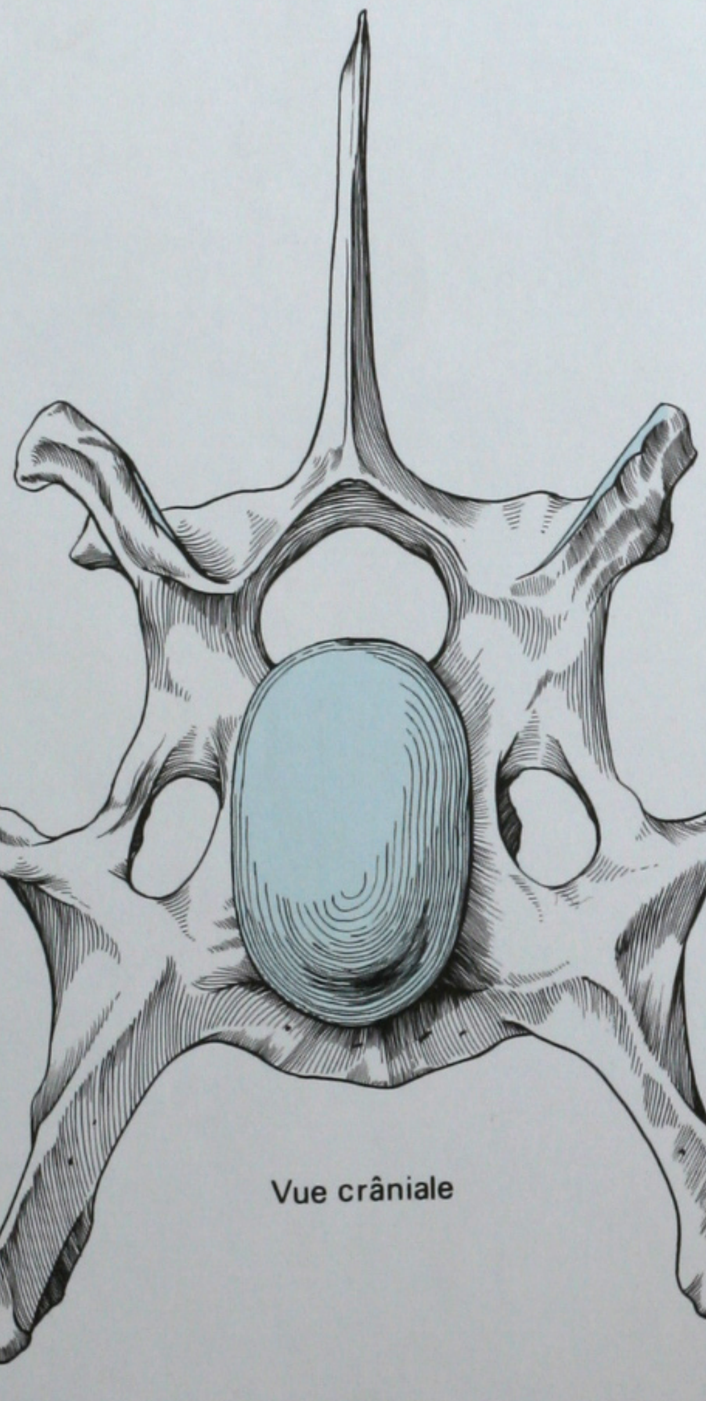
6ème



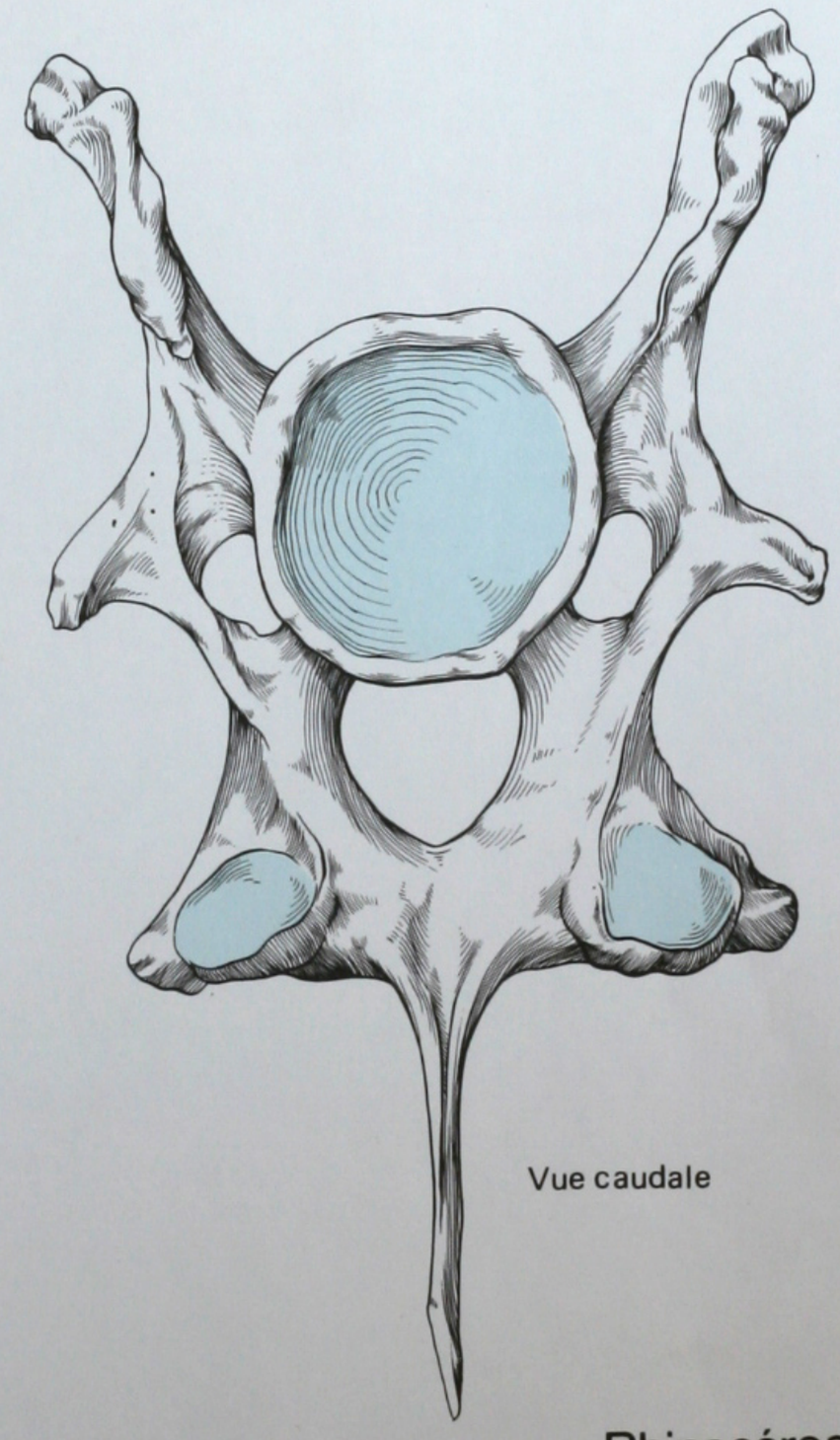
Vue ventrale



Vue dorsale

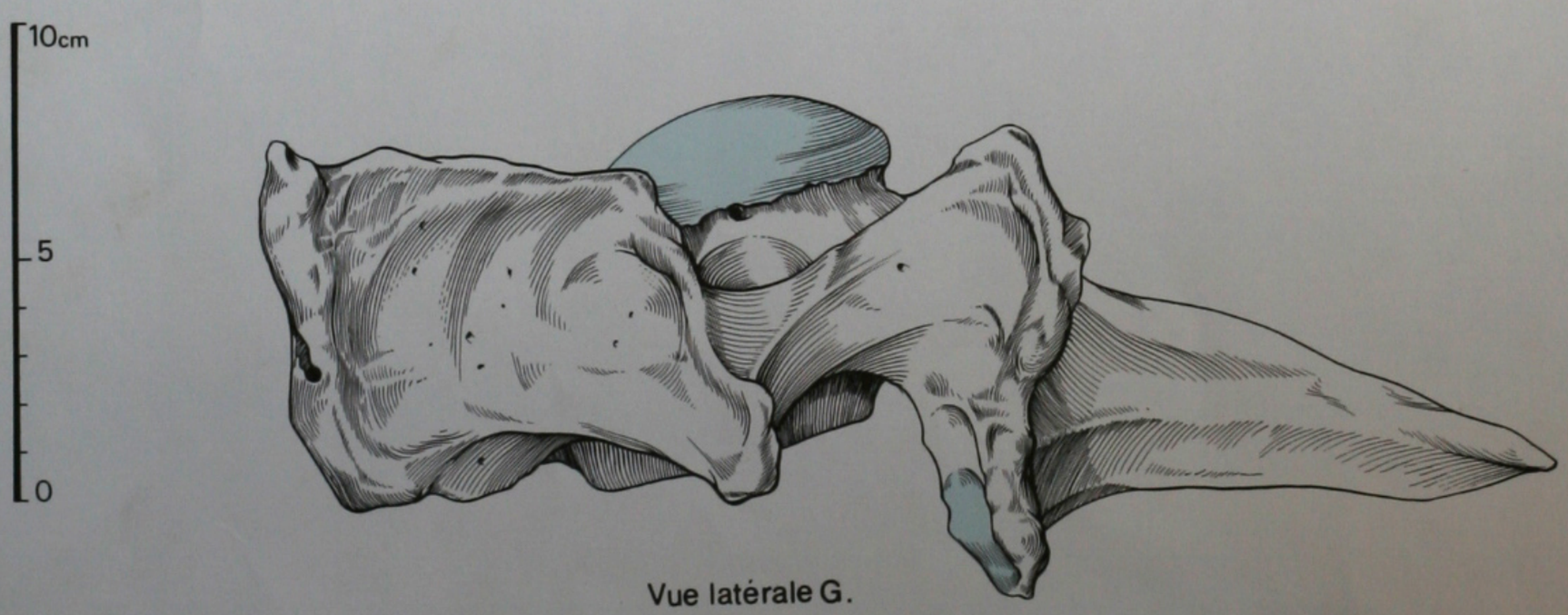


Vue crâniale



Vue caudale

Rhinocéros



Vue latérale G.

RACHIS

Vue ventrale

Vue dorsale

Vue caudale

Vue crâniale

Dorsale 6ème

Vue ventrale

Vue dorsale

Vue crâniale

Vue caudale

Caudale 2ème

Vue latérale G.

10cm

5

0

Lombaire 3ème

Vue ventrale

Vue dorsale

Vue latérale G.

Vue caudale

Vue crâniale

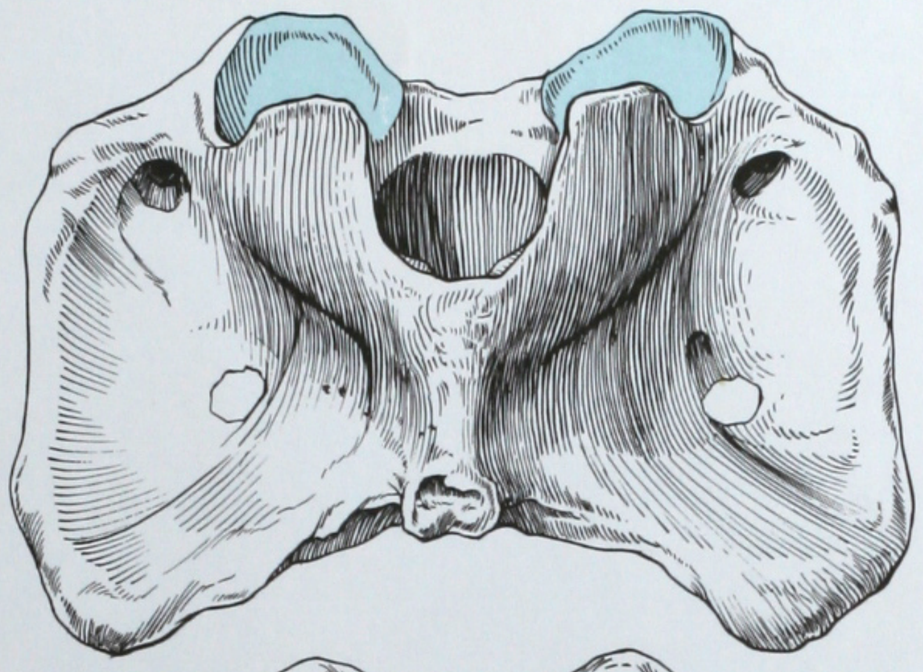
Rhinocéros

RACHIS

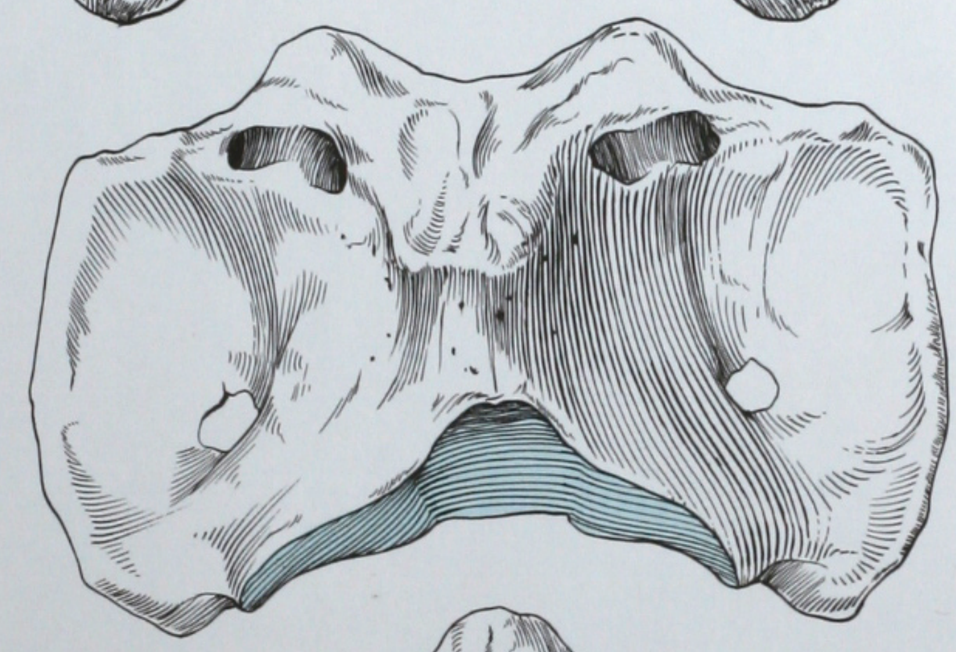
Cheval

Cervicales
Atlas

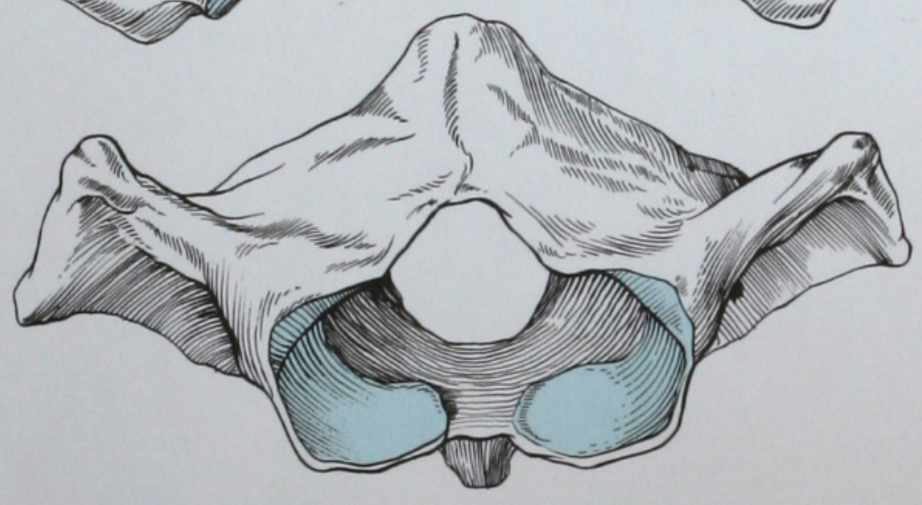
Vue ventrale



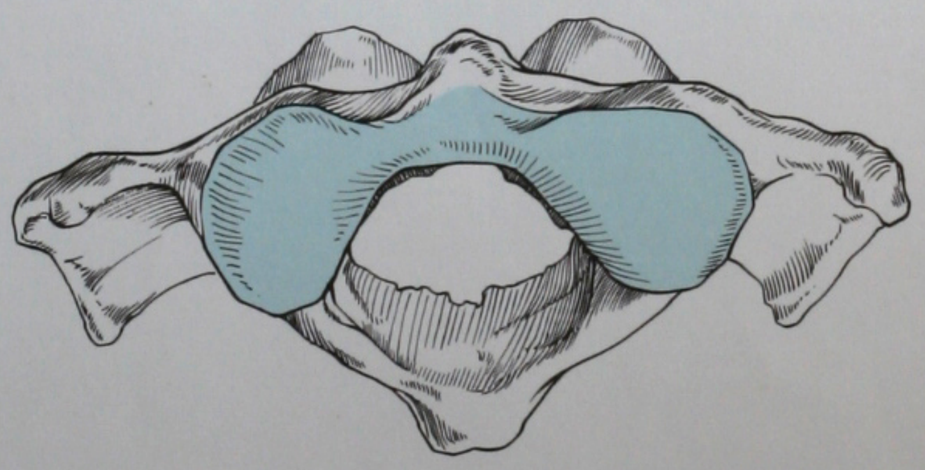
dorsale



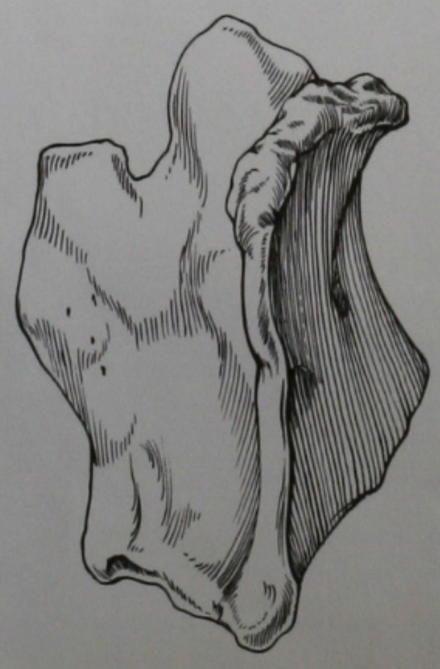
craniâle



caudale

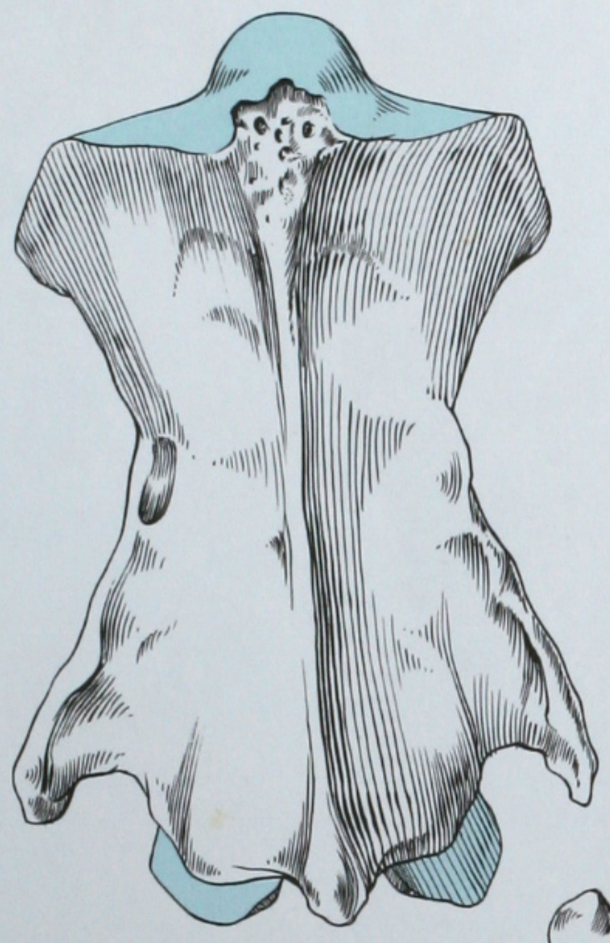


lat.G.

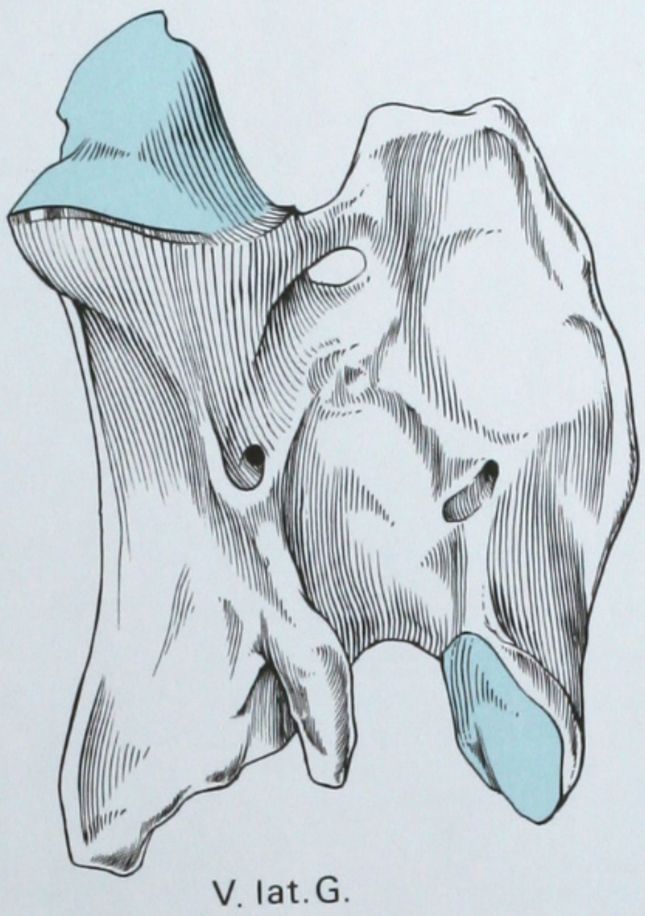


RACHIS

Cervicales



V. vent.

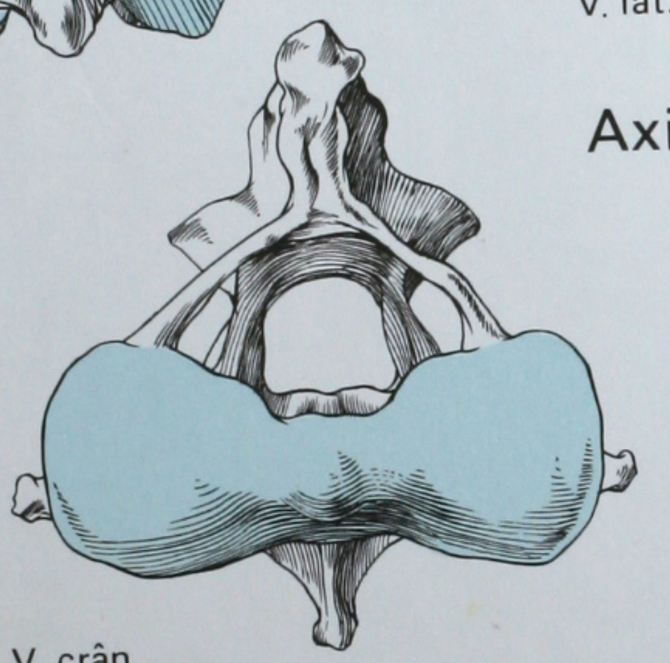


V. lat. G.

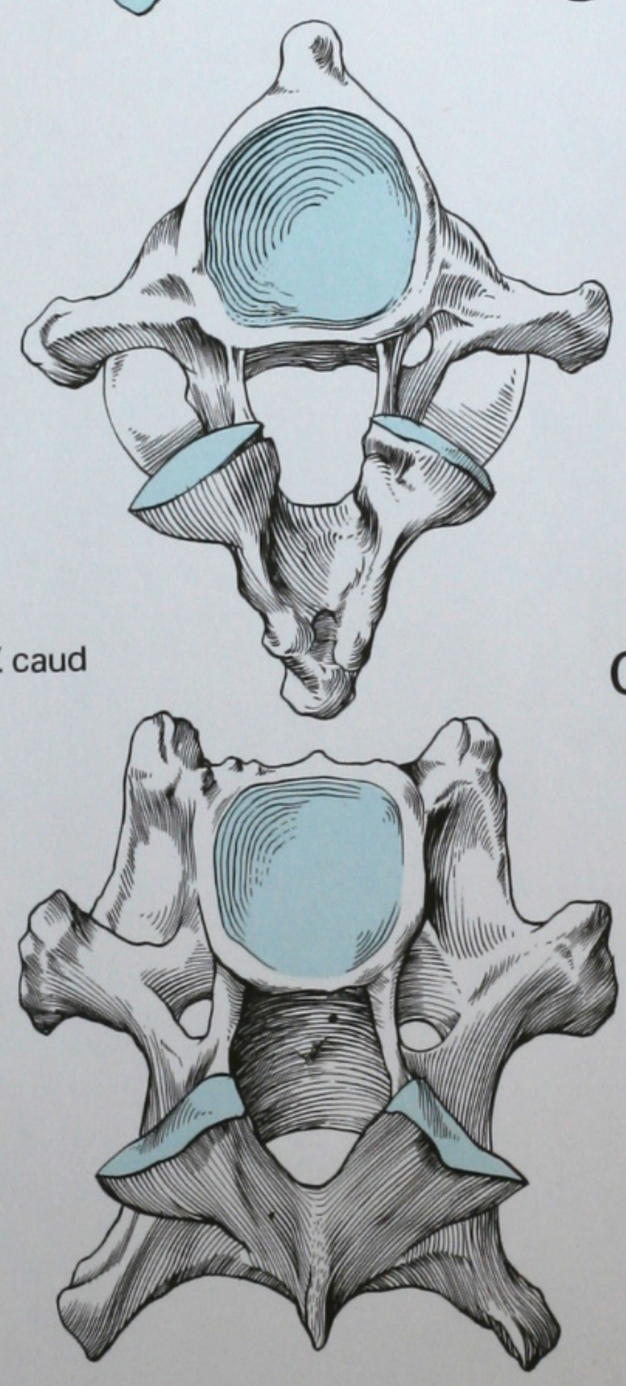


V. dors.

Axis

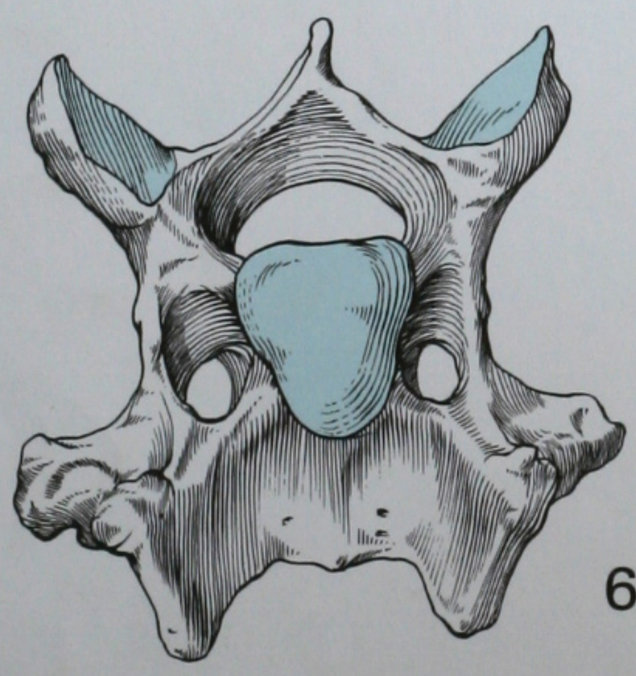


V. crân.

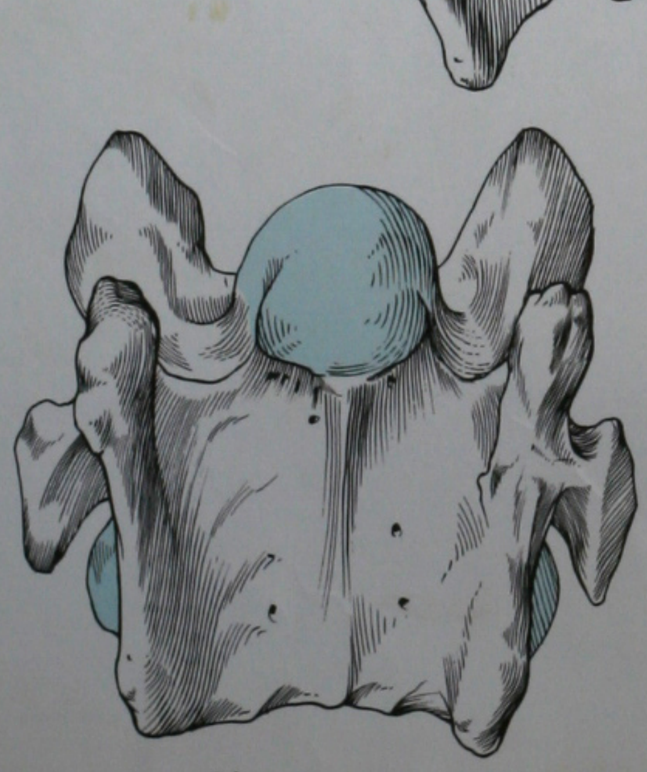


V. caud

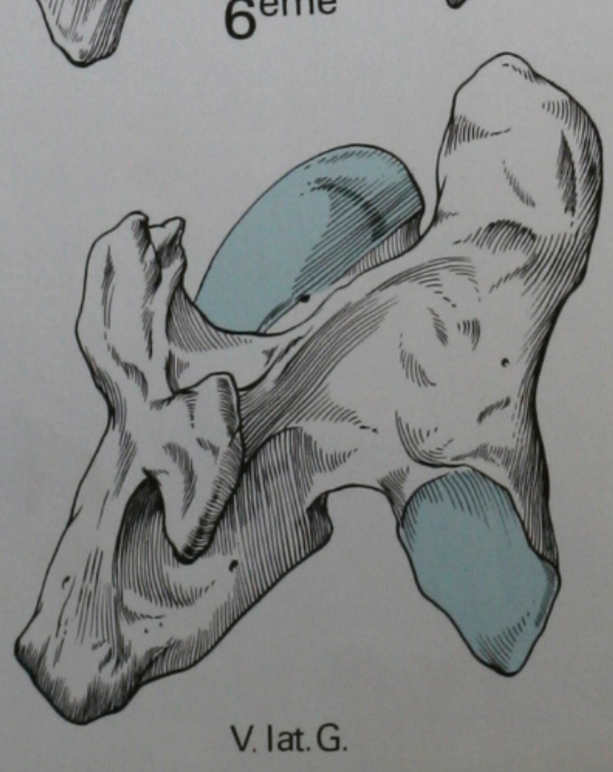
Cheval



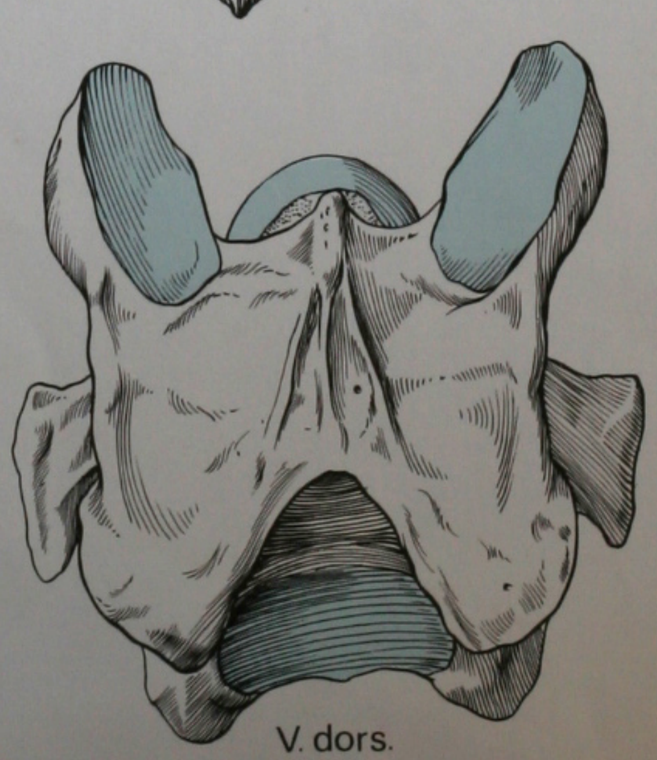
6ème



V. vent.



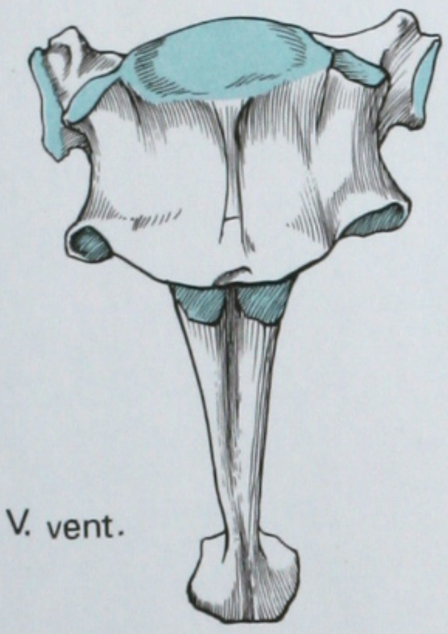
V. lat. G.



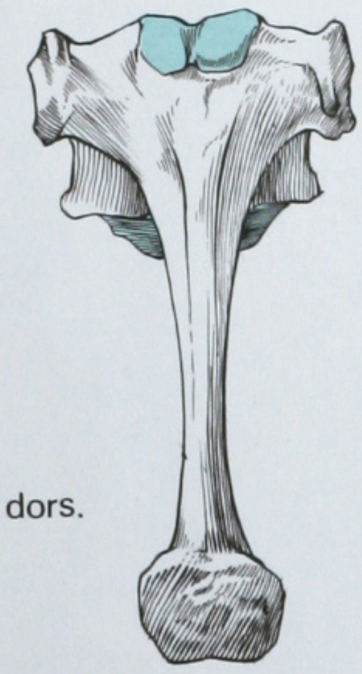
V. dors.

RACHIS

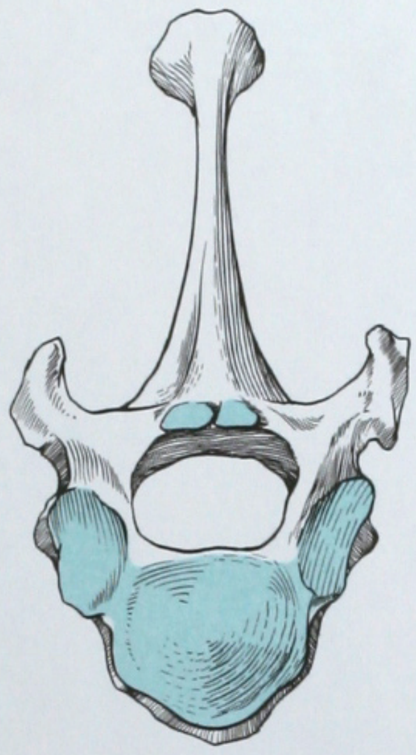
Dorsale 6ème



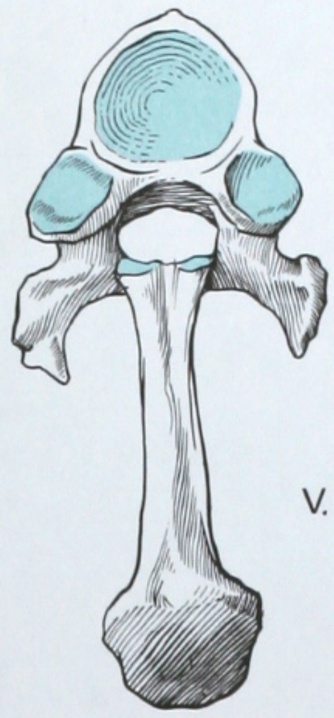
V. vent.



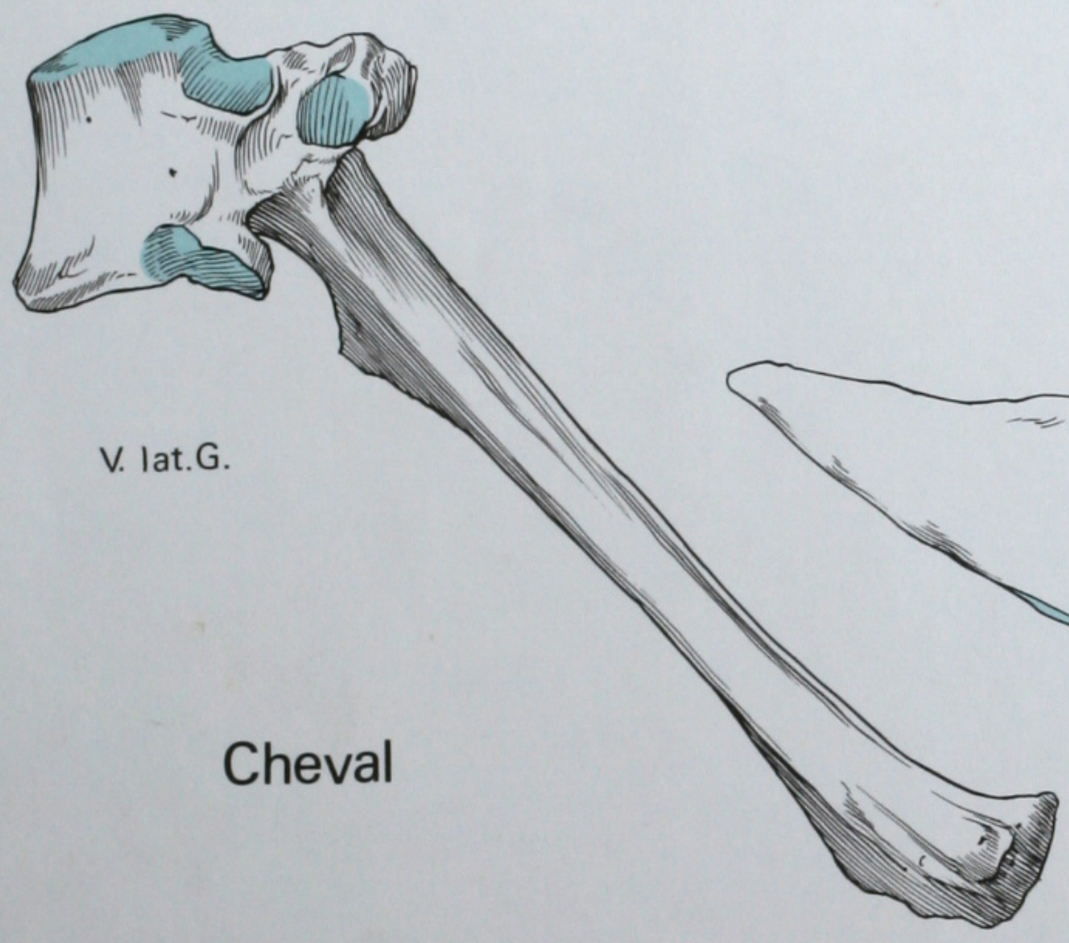
V. dors.



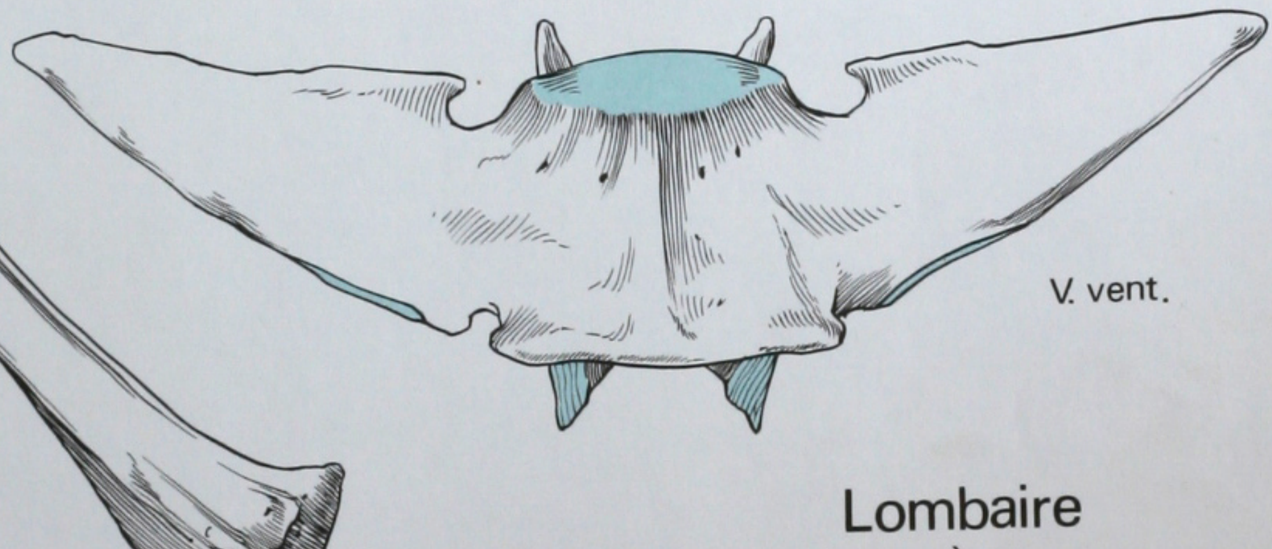
V. crân.



V. caud.



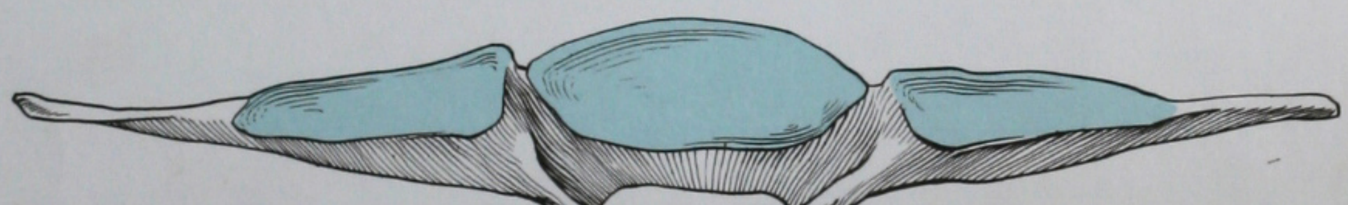
V. lat.G.



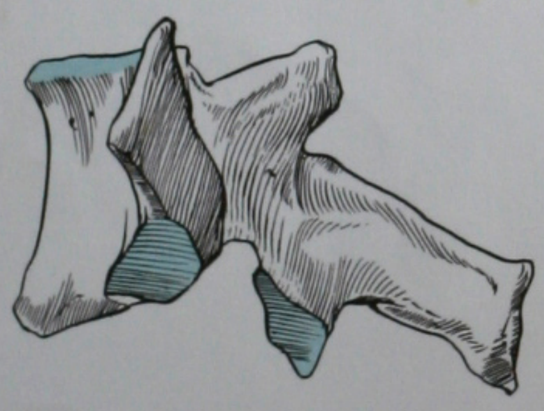
V. vent.

Cheval

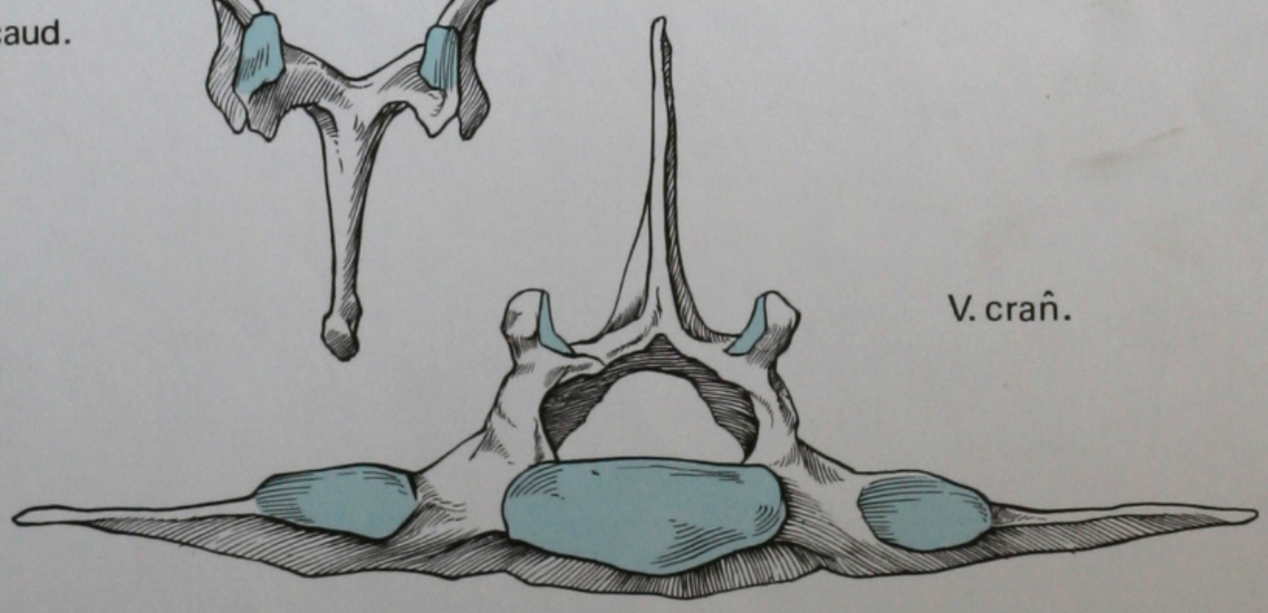
Lombaire 5ème



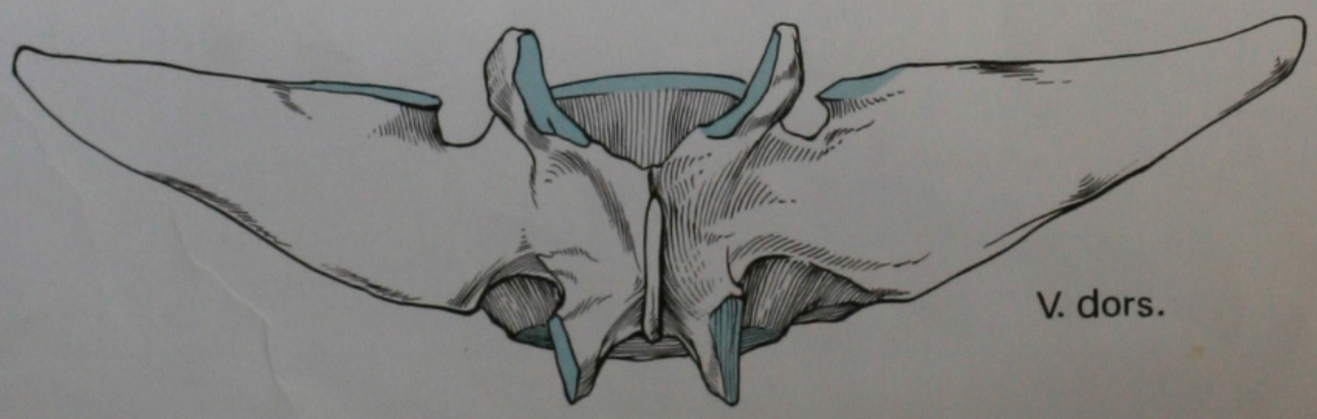
V. caud.



V. lat.G.

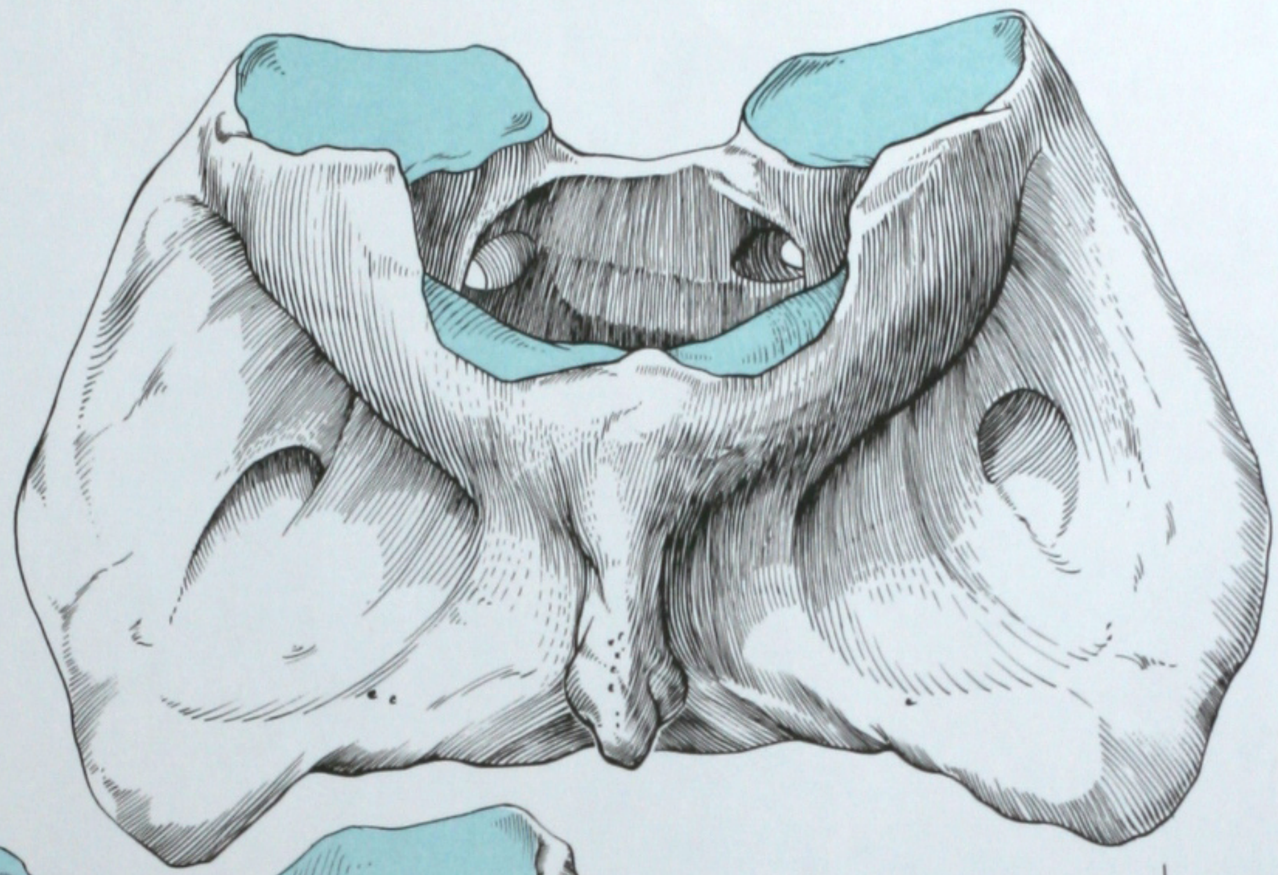


V. cran.



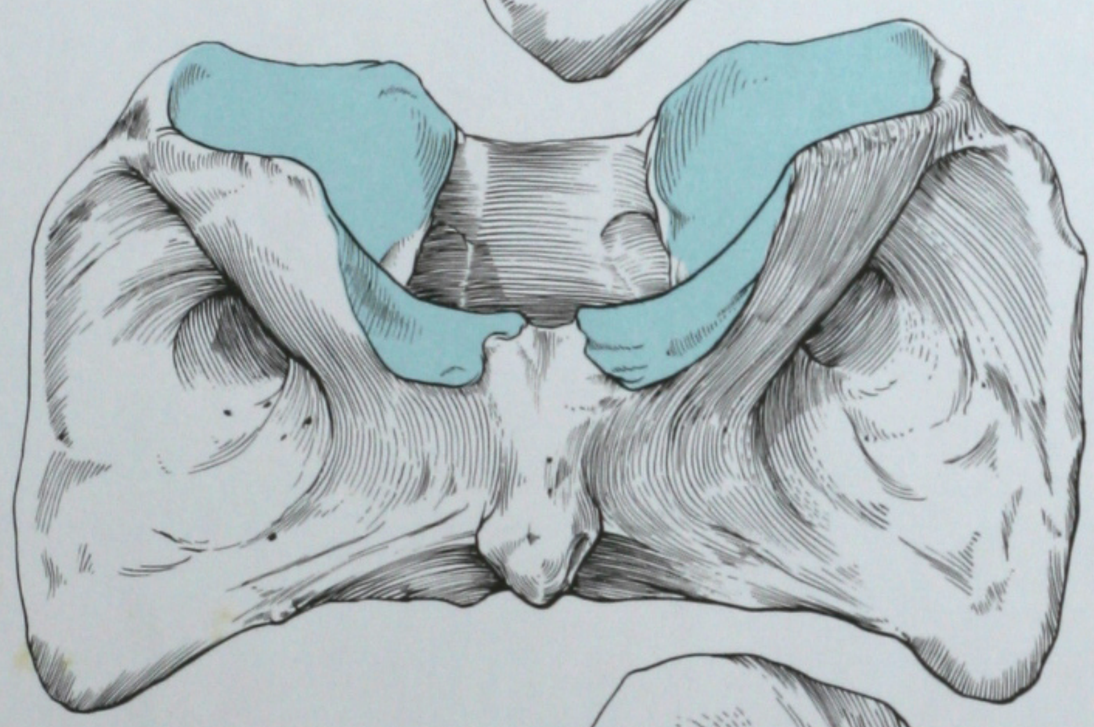
V. dors.

Atlas

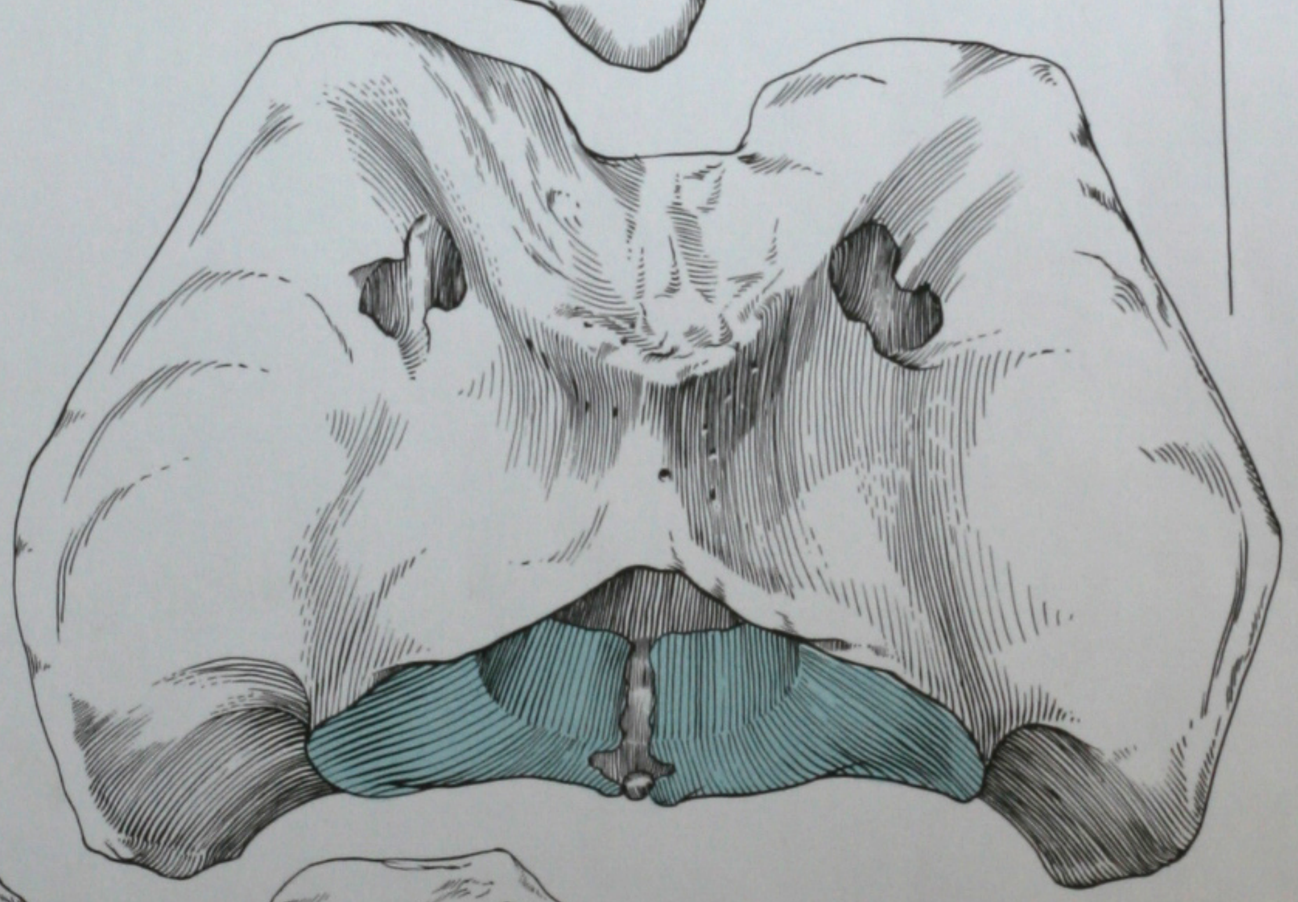


Vue ventrale

Bœuf



Bison





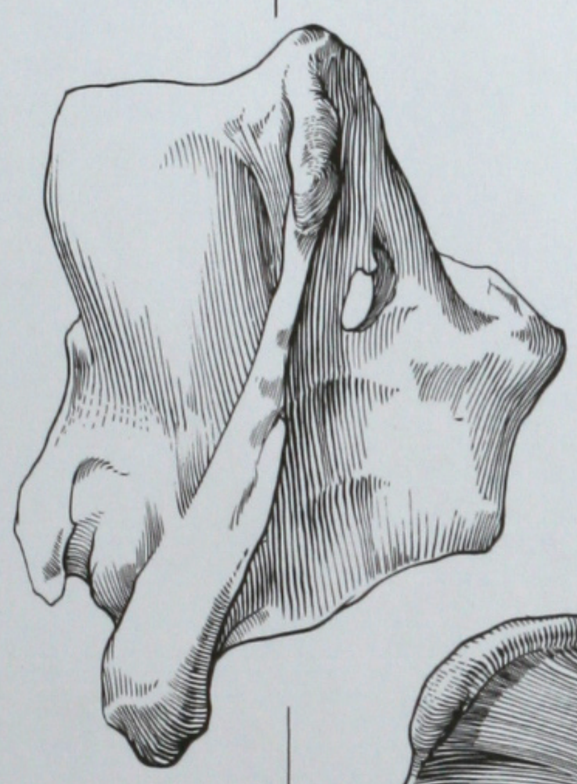
Vue dorsale

RACHIS

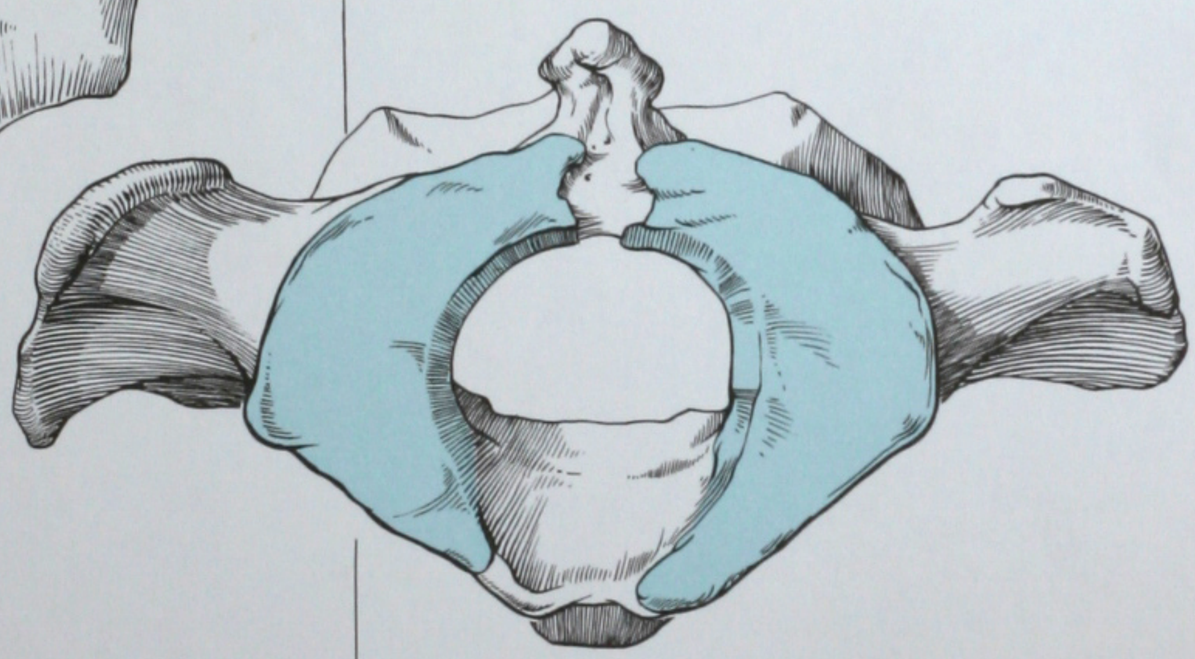
Cervicales
Atlas

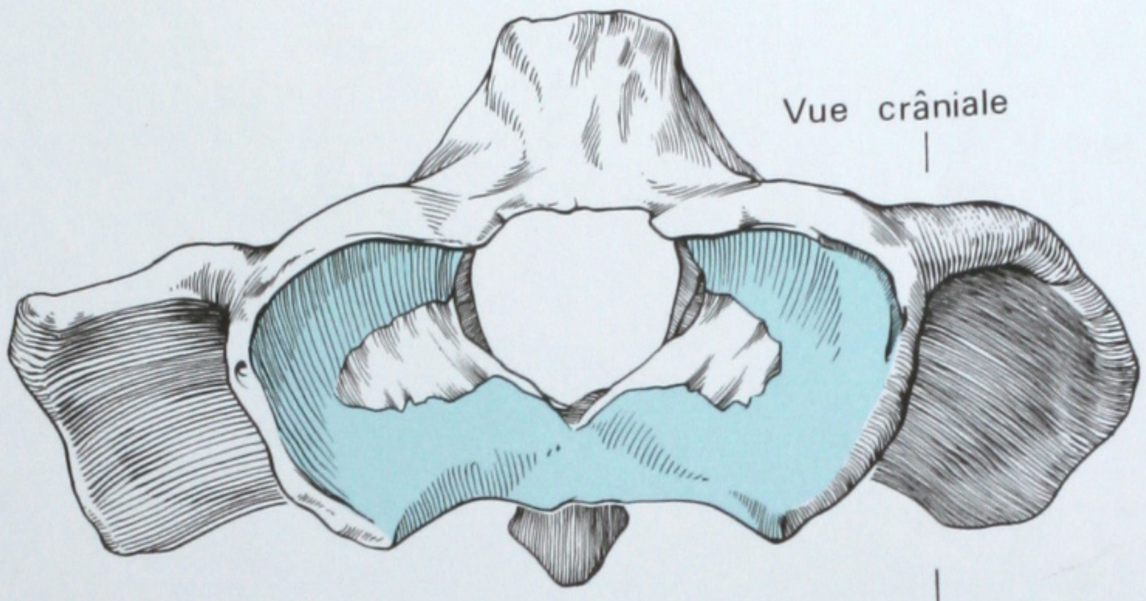
Bœuf

Vue lat. G.



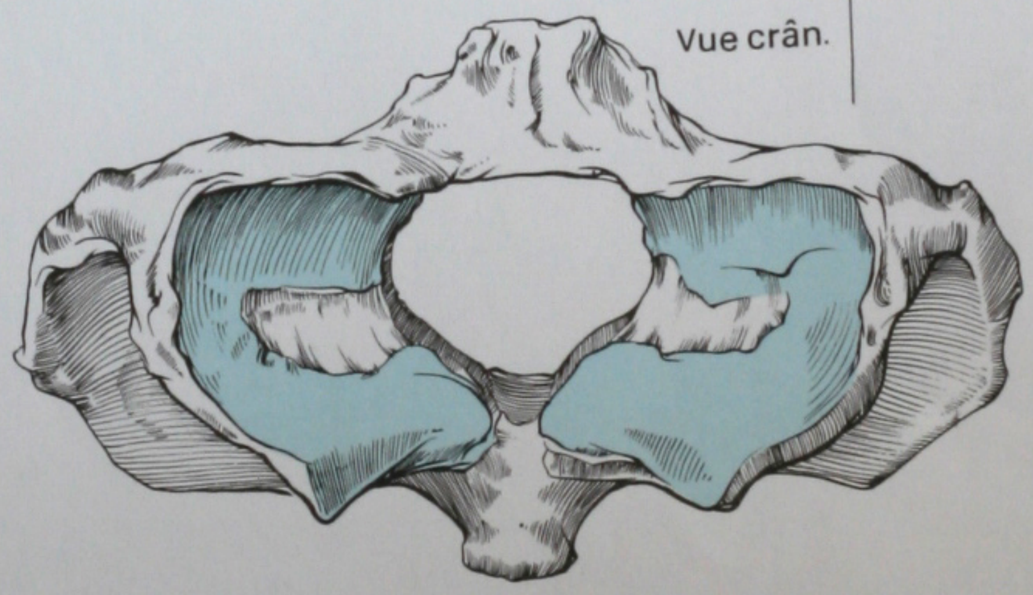
Vue caudale





Vue crâniale

Vue crân.

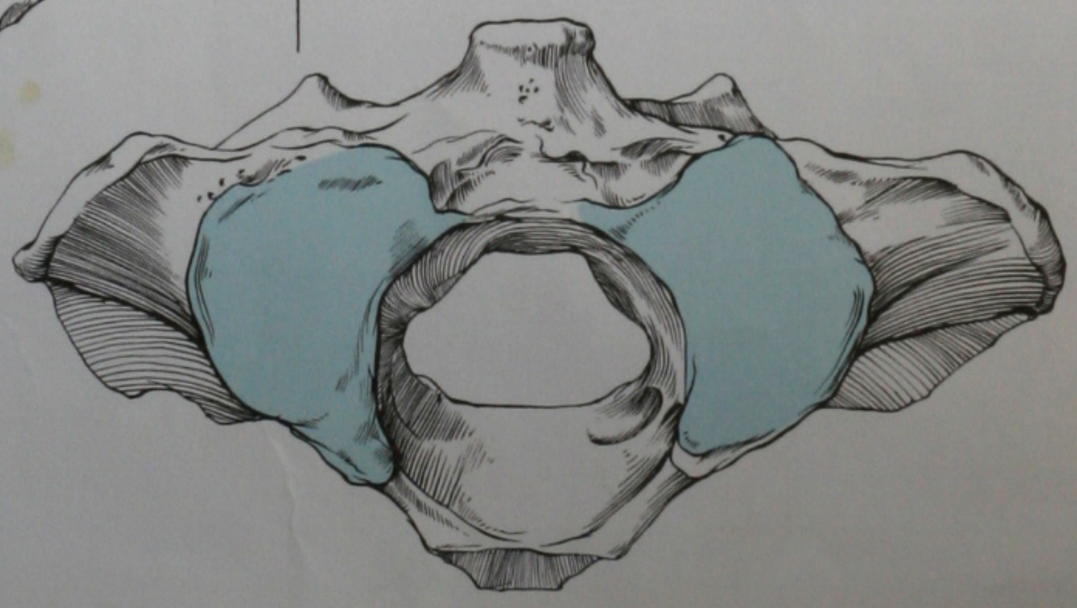


Bison

Vue latérale G.

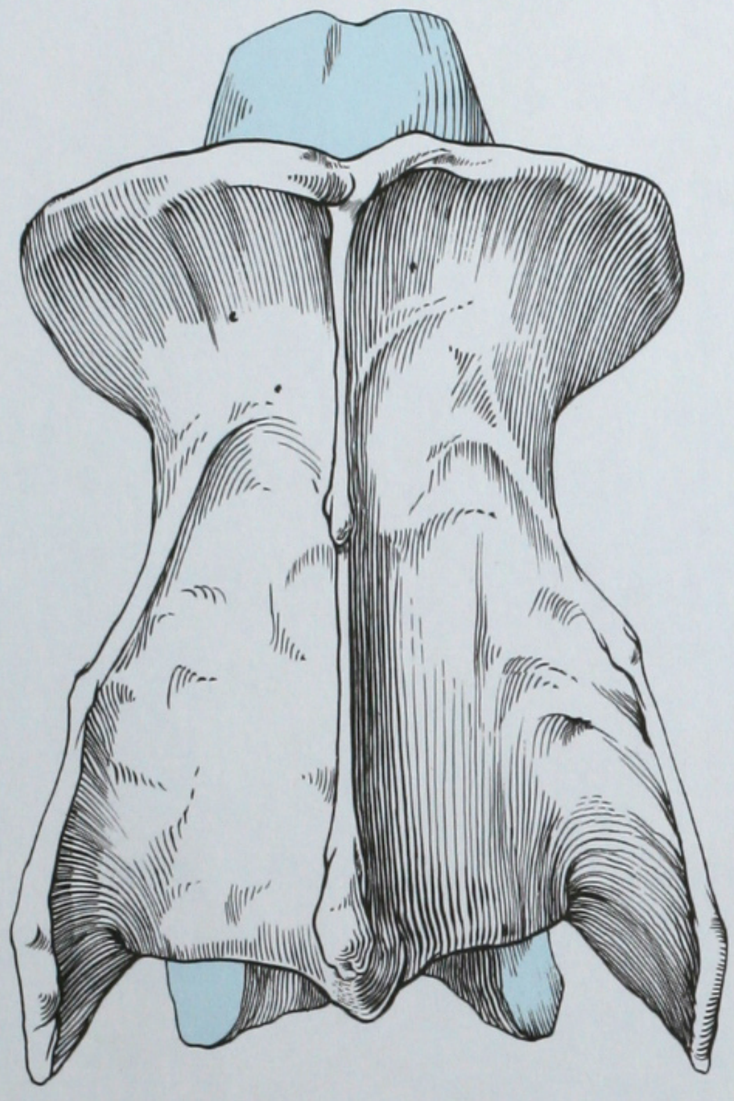


vue caud.

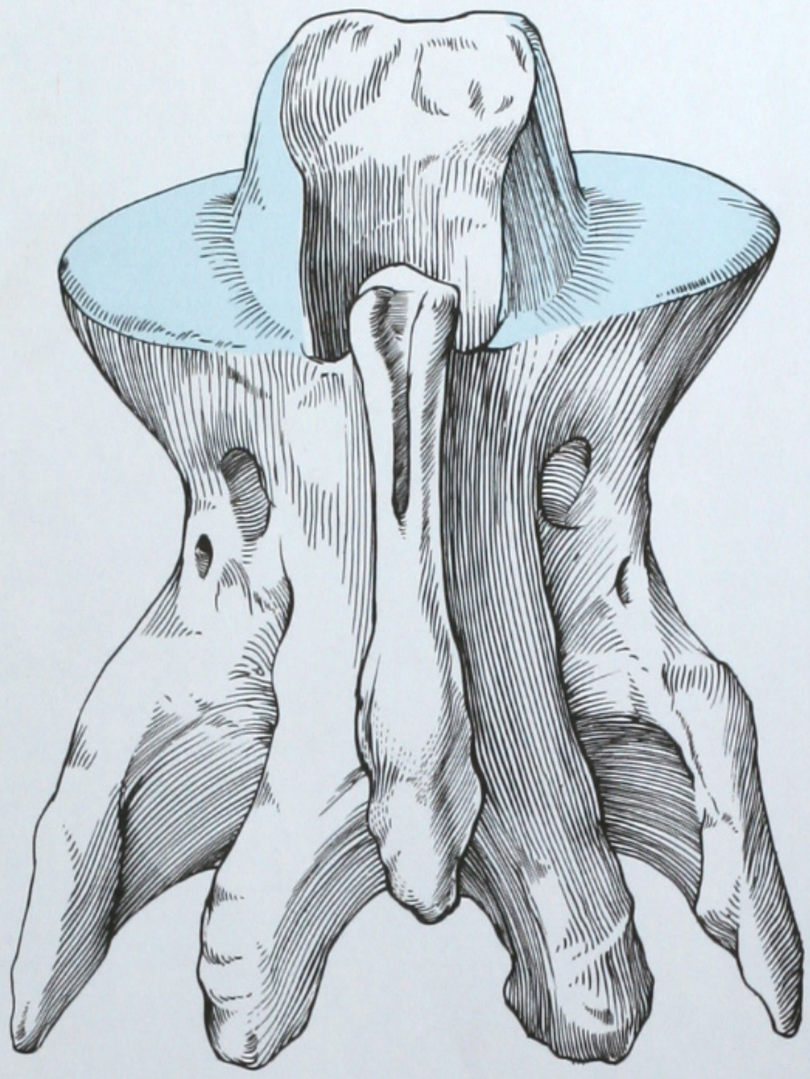


RACHIS

Cervicales
Axis

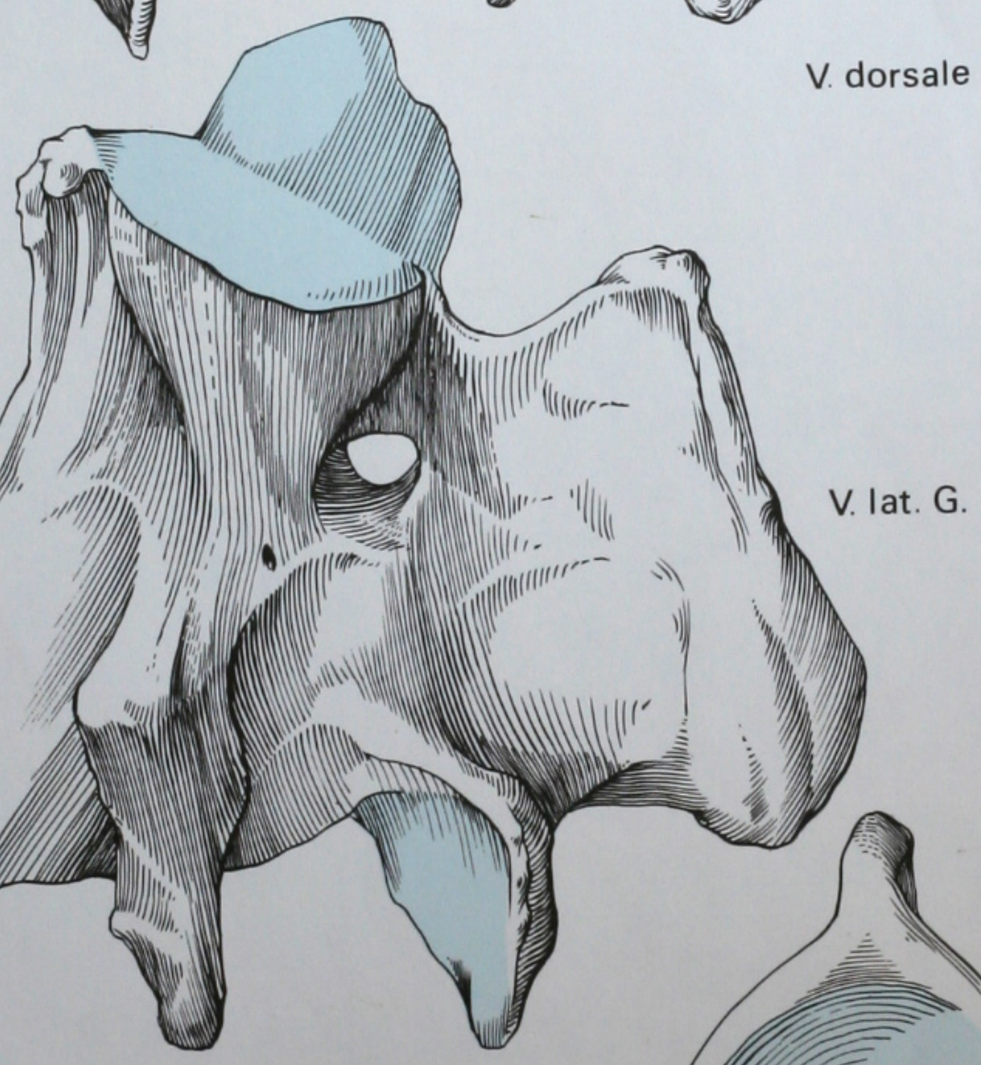


V. ventrale

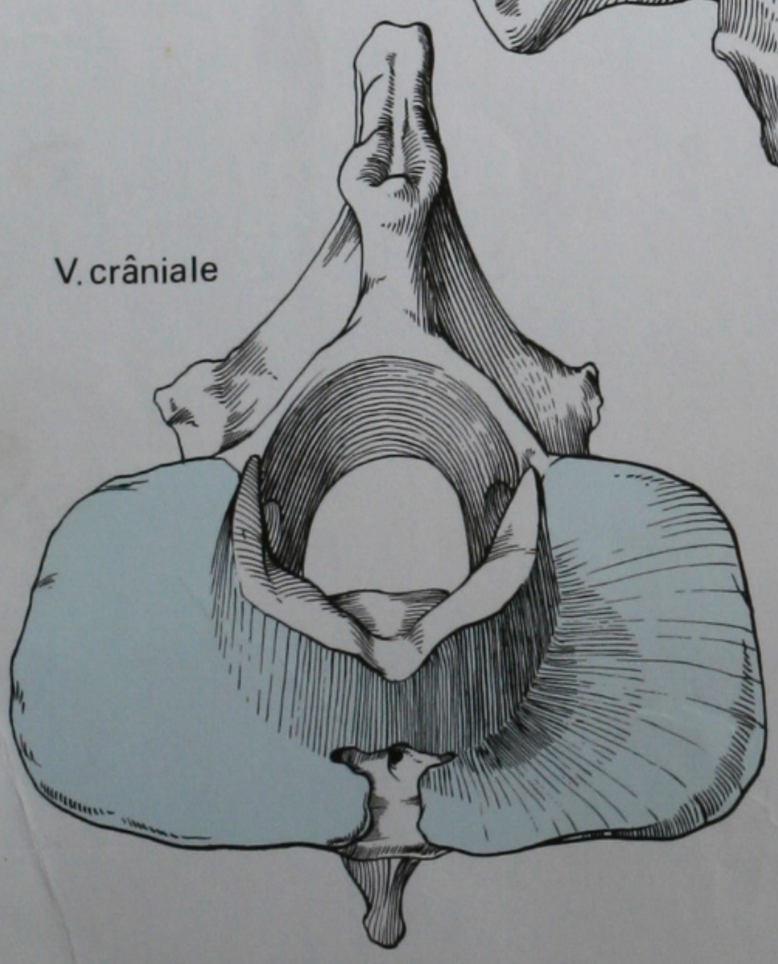


V. dorsale

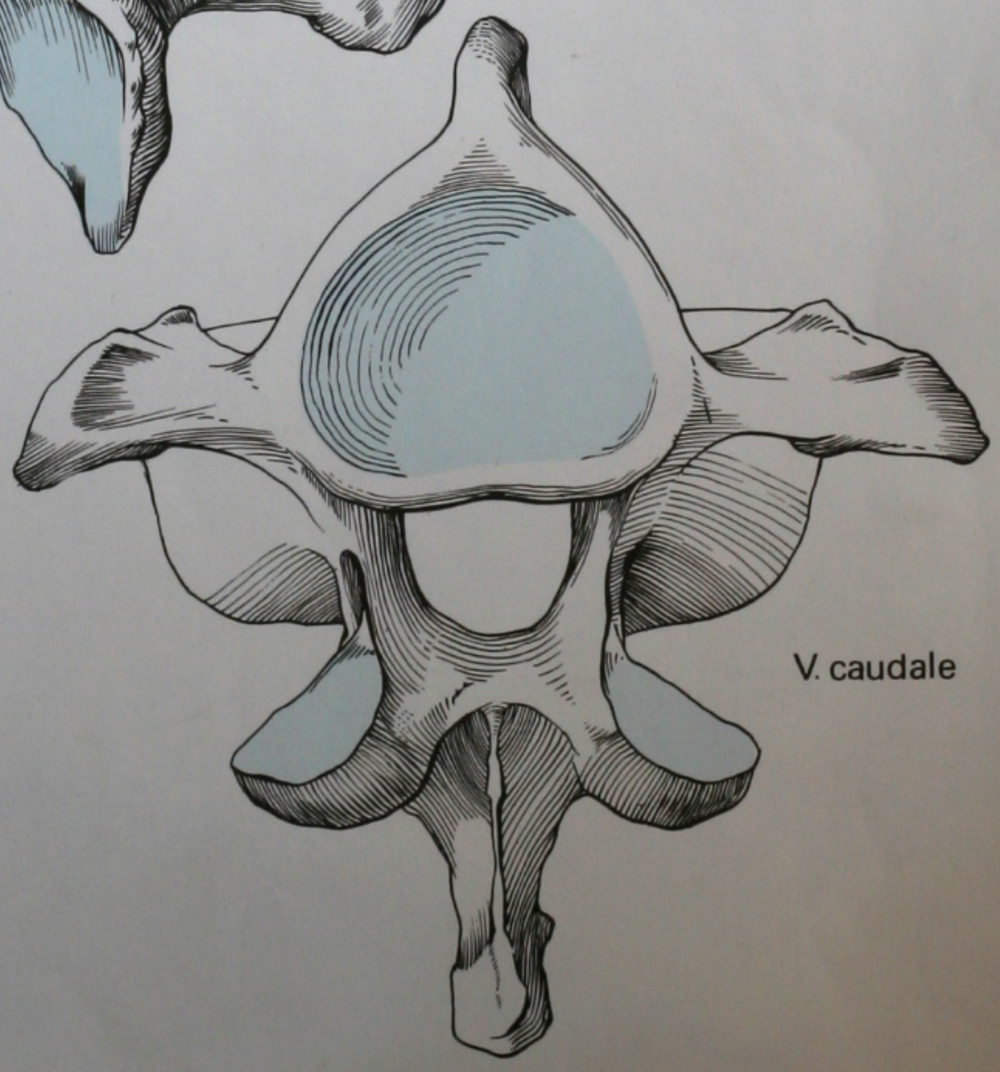
Bœuf



V. lat. G.



V. crâniale

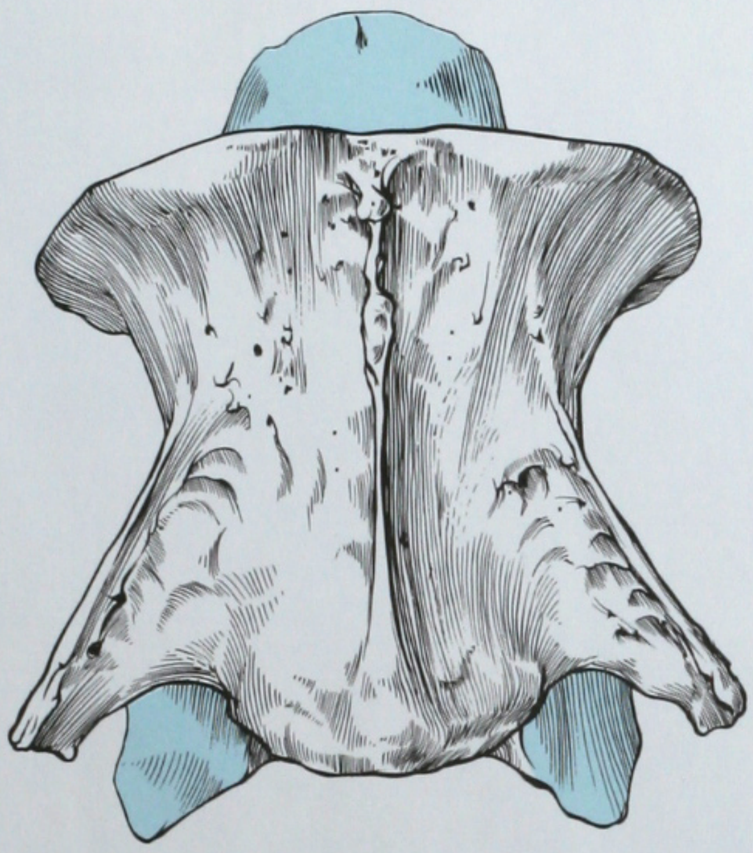


V. caudale

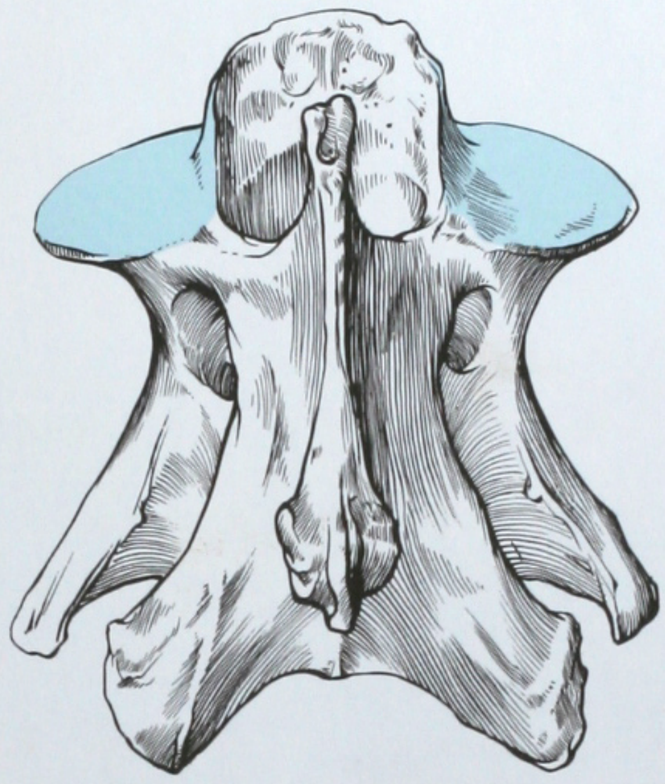
Cervicales

Axis

Bison



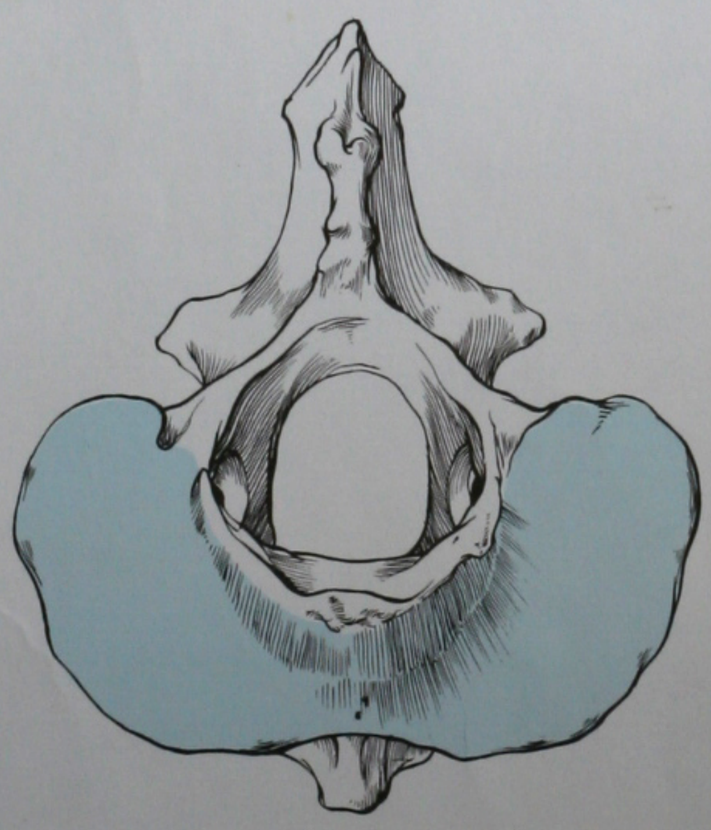
V. ventrale



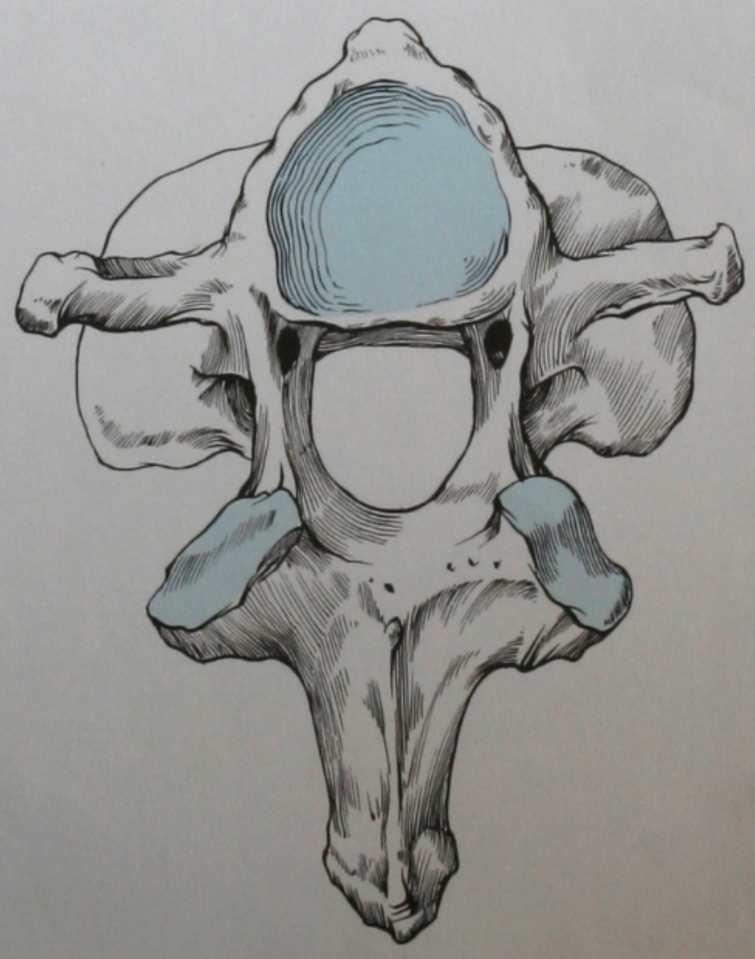
V. dorsale



V. lat. G.

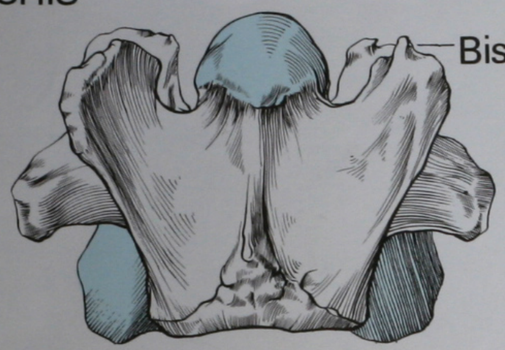


V. crâniale

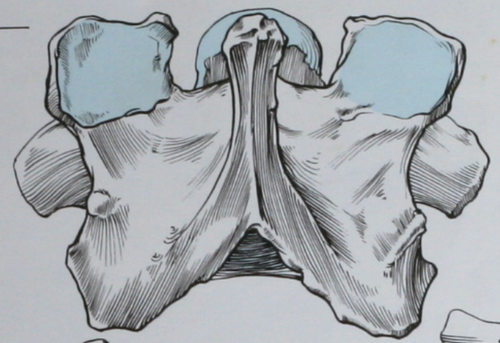


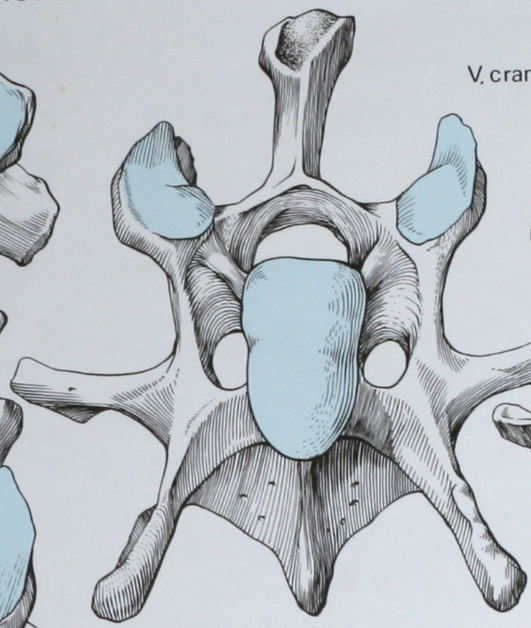
V. caudale

Cervicales

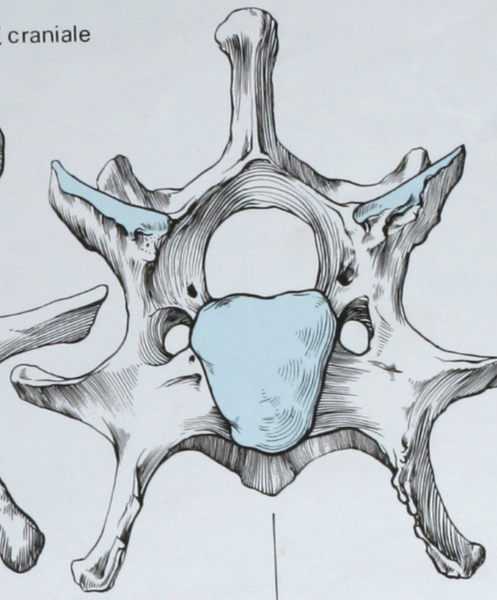


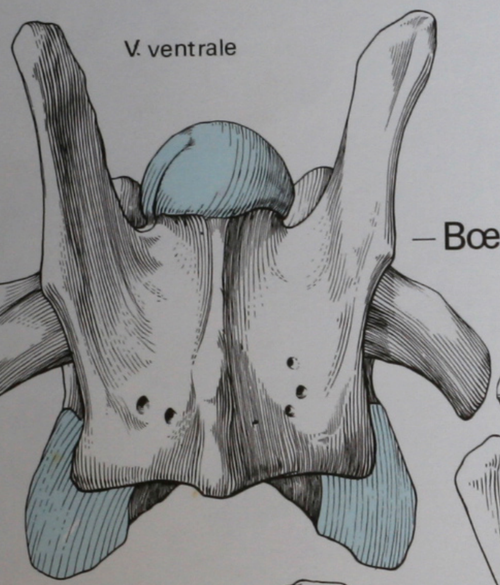
Bison



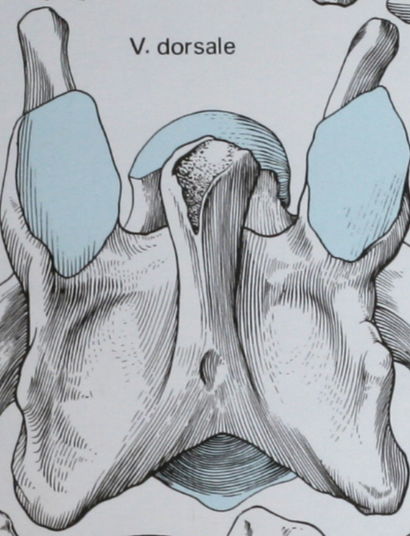


V. craniale



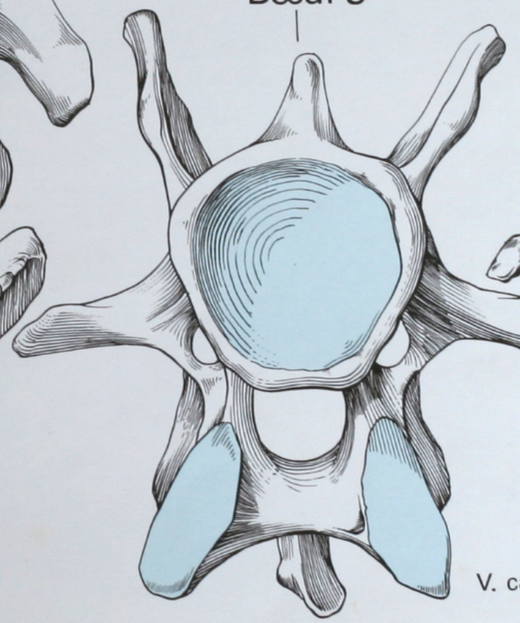


V. ventrale

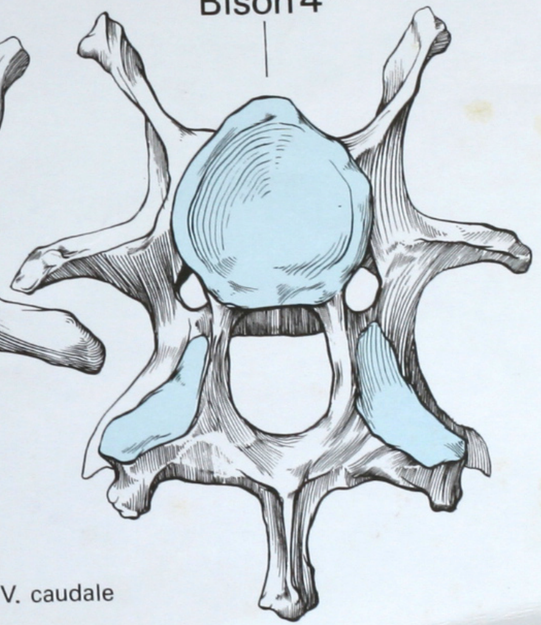


V. dorsale

Bœuf



Bœuf 5ème

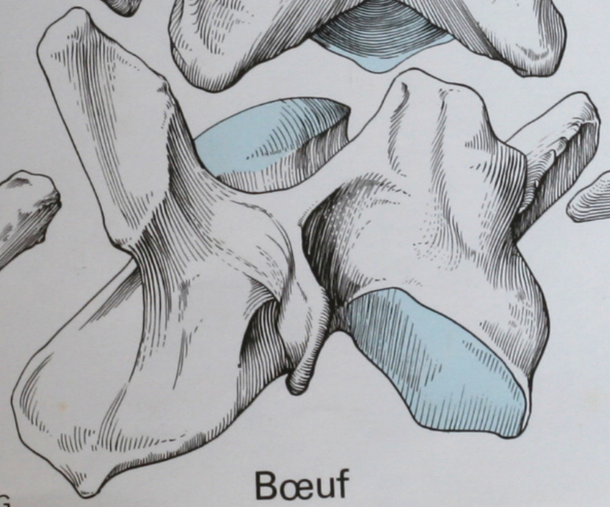


Bison 4ème



Bison

V. lat G.



Bœuf

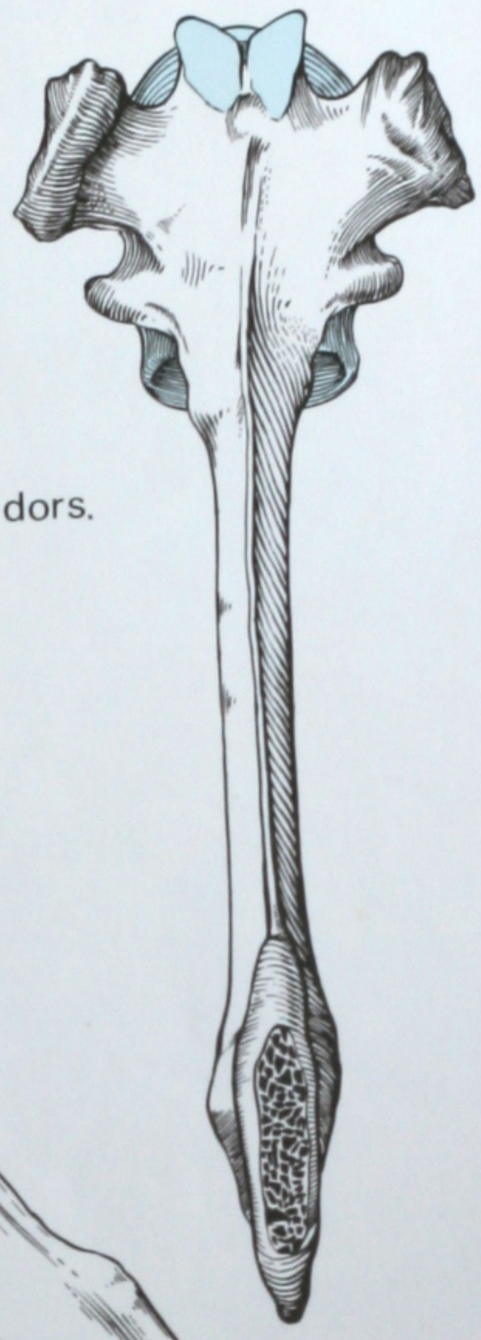
V. caudale

RACHIS

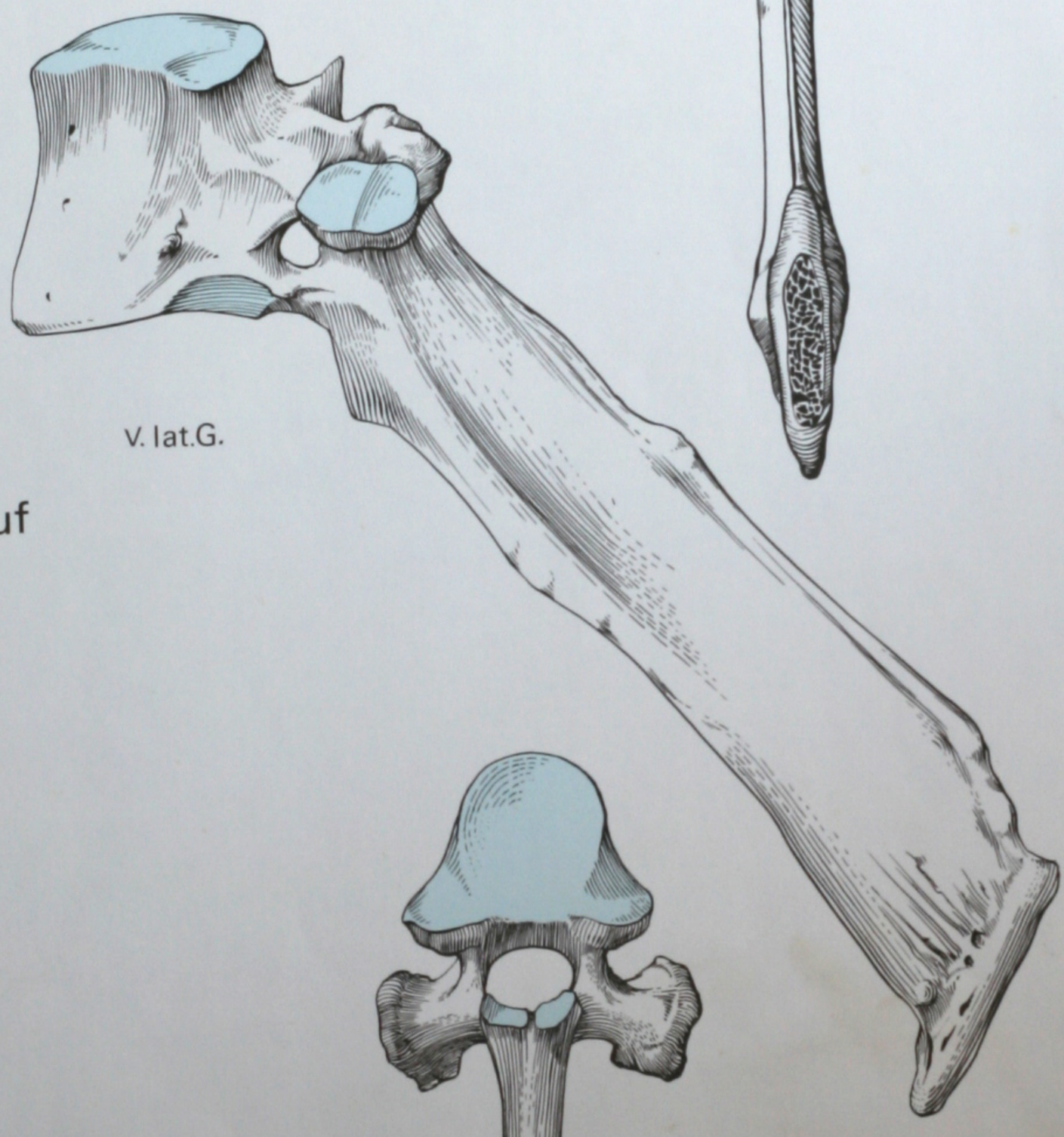
Dorsale 6ème



V. vent.

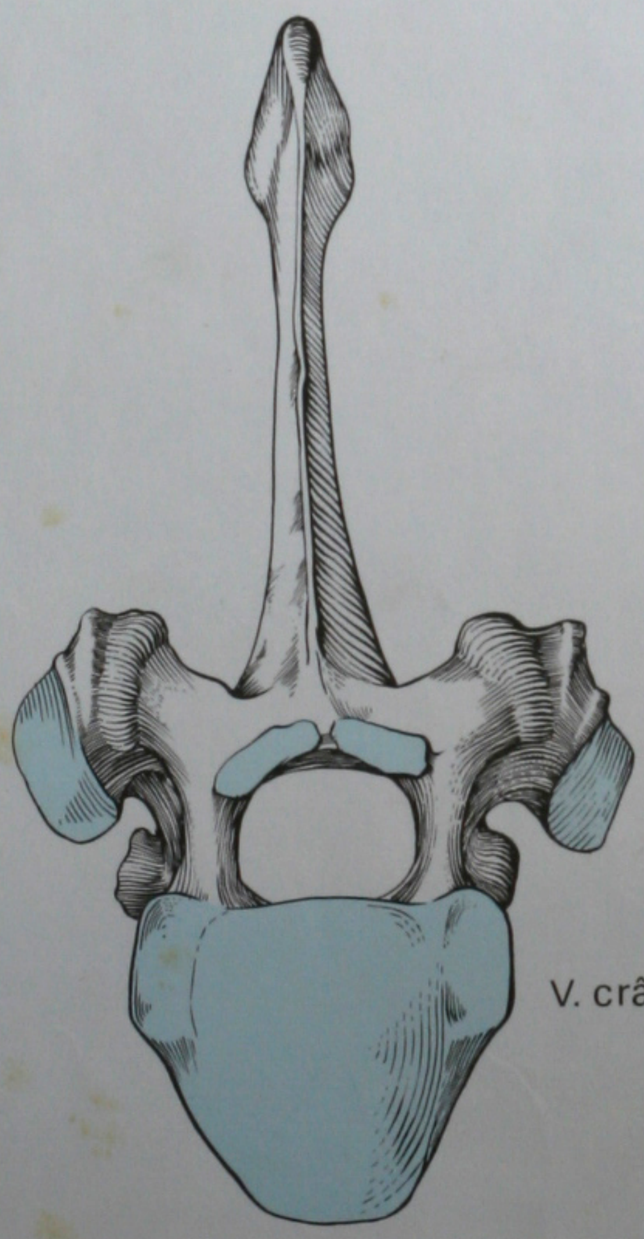


V. dors.

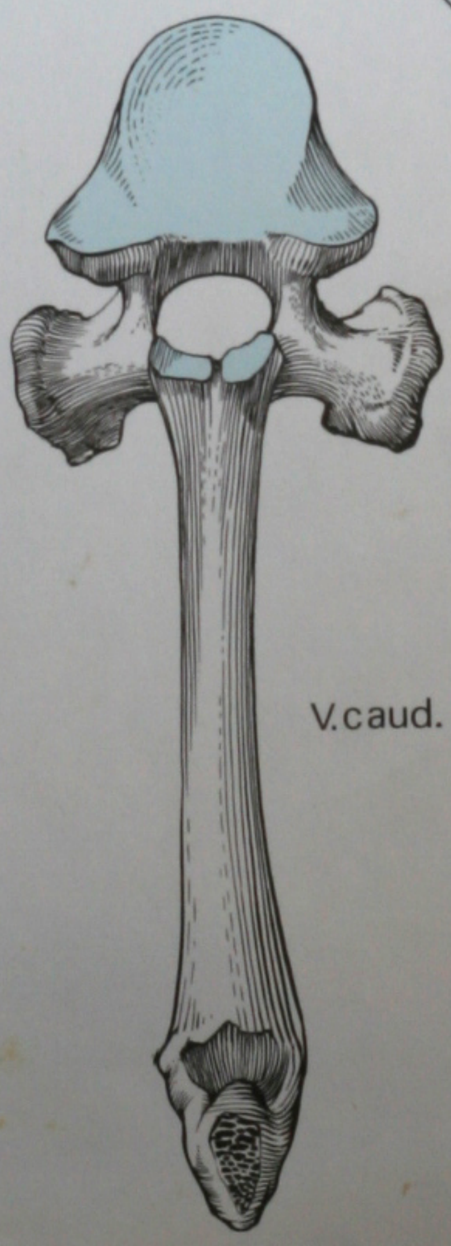


V. lat.G.

Bœuf



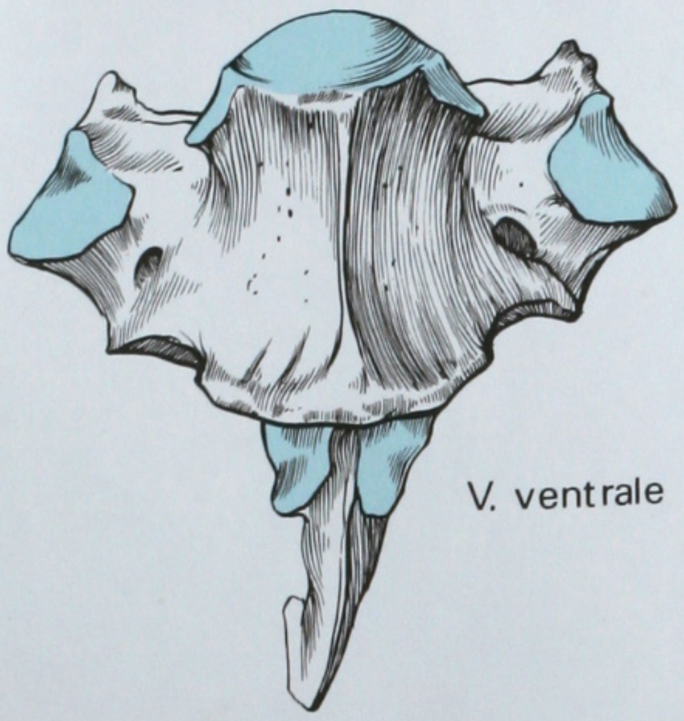
V. crân.



V. caud.

RACHIS

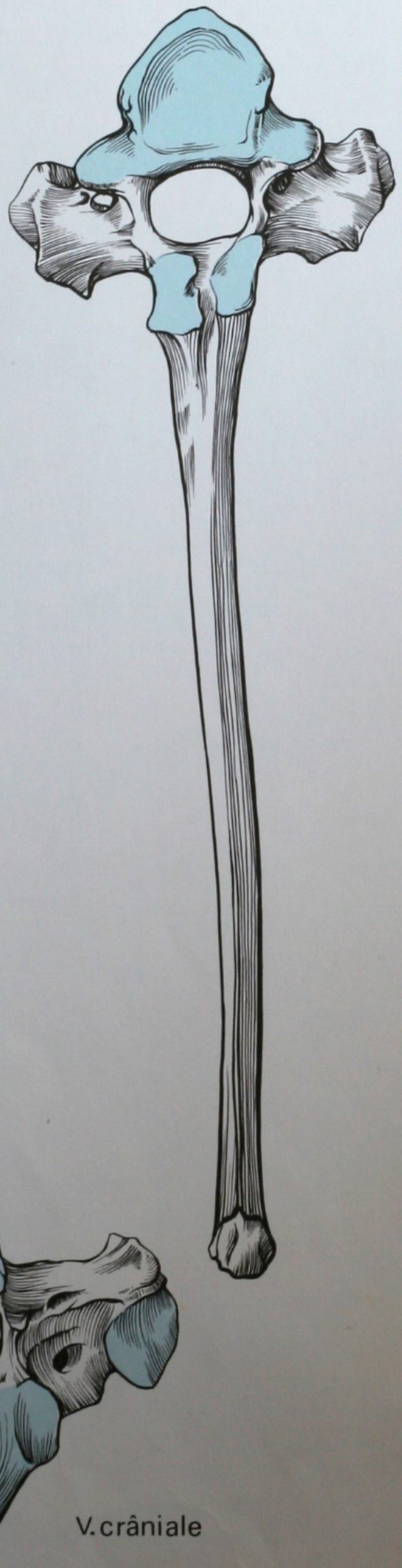
Dorsale 4éme



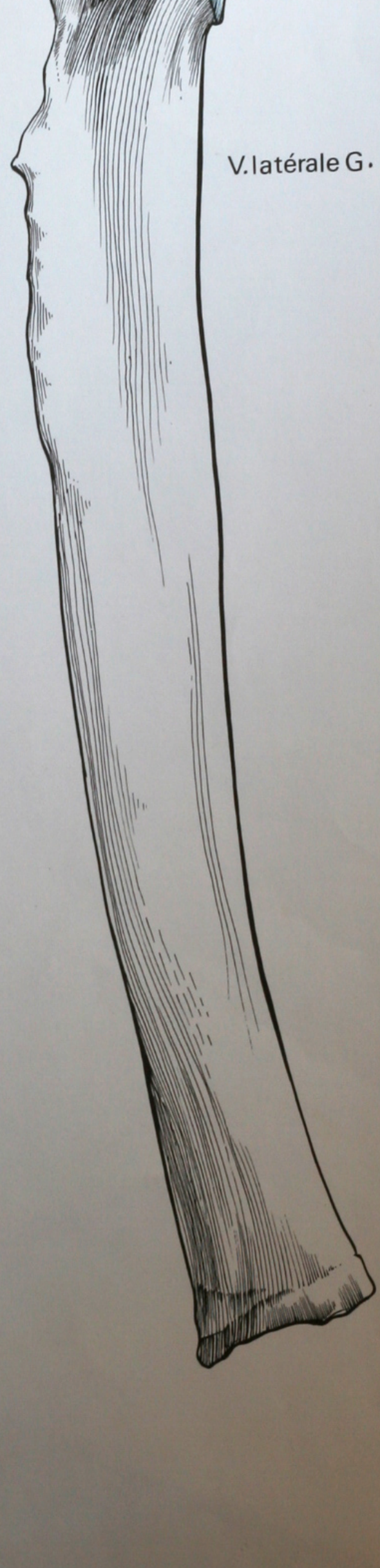
V. ventrale



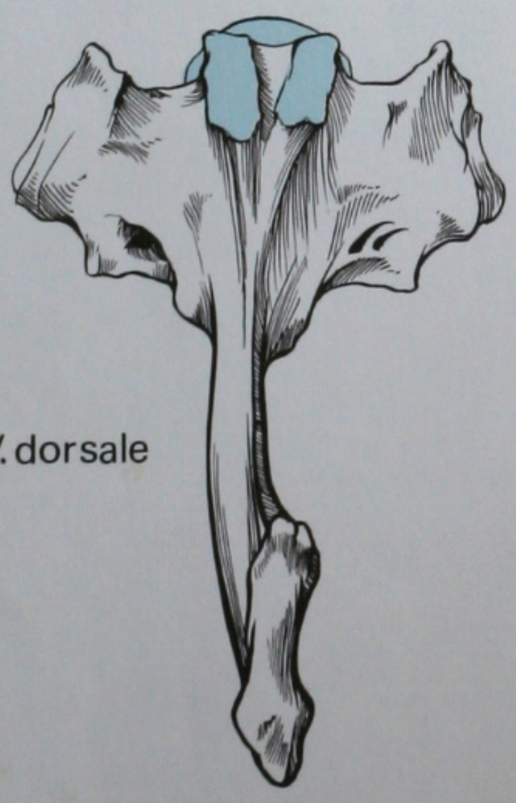
V. caudale



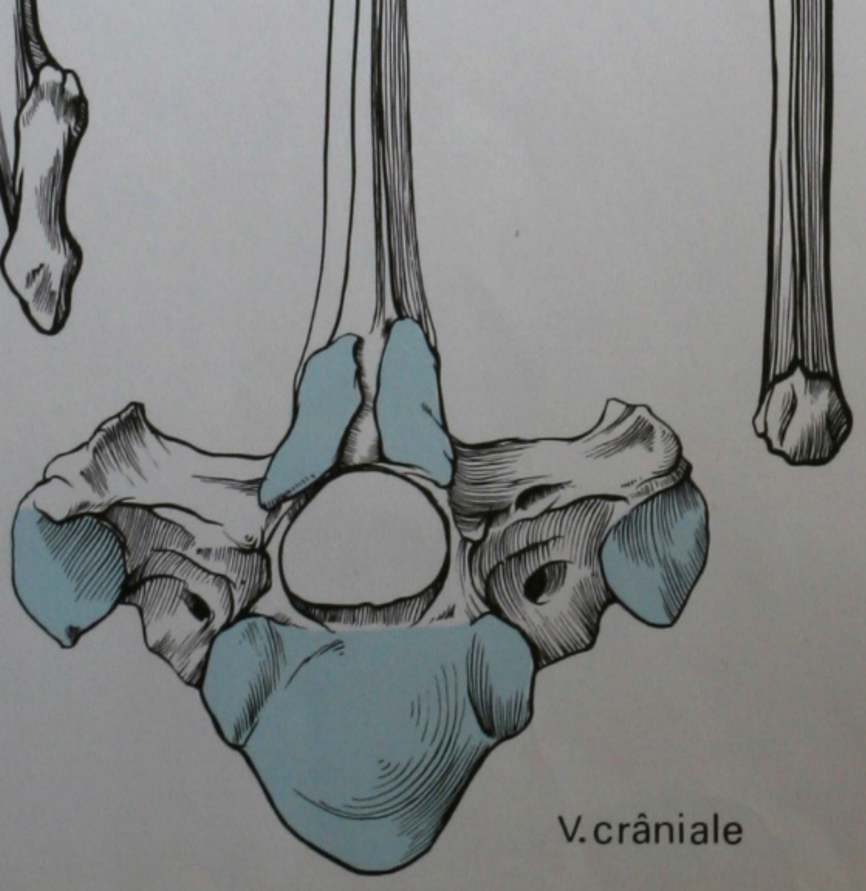
Bison



V. latérale G.



V. dorsale



V. crâniale

RACHIS

Bœuf

Caudale 2ème

Lombaire 6ème

V.vent.

V. crân.

V. lat G.

V. dors.

V. caud.

RACHIS

Bison

Lombaire 4ème

Caudales

C^a 1

V. vent.

V. lat G.

v. lat.G.

V. crân.

V. caud.

V. dors.

v. vent.

v. dors.

C^a 5

v. crân.

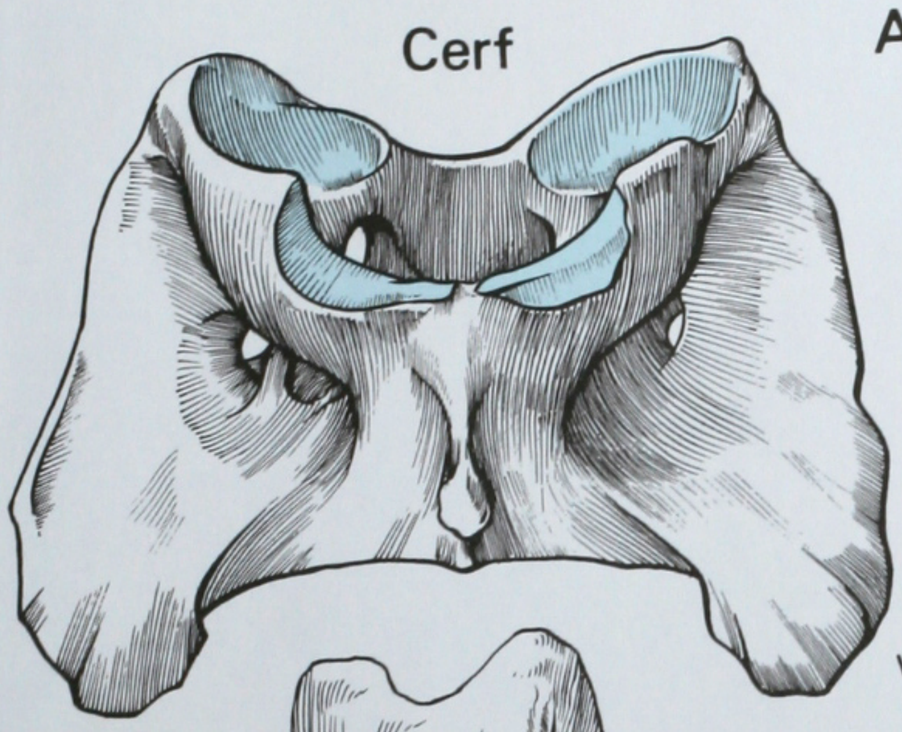
v. caud.

v. lat G.

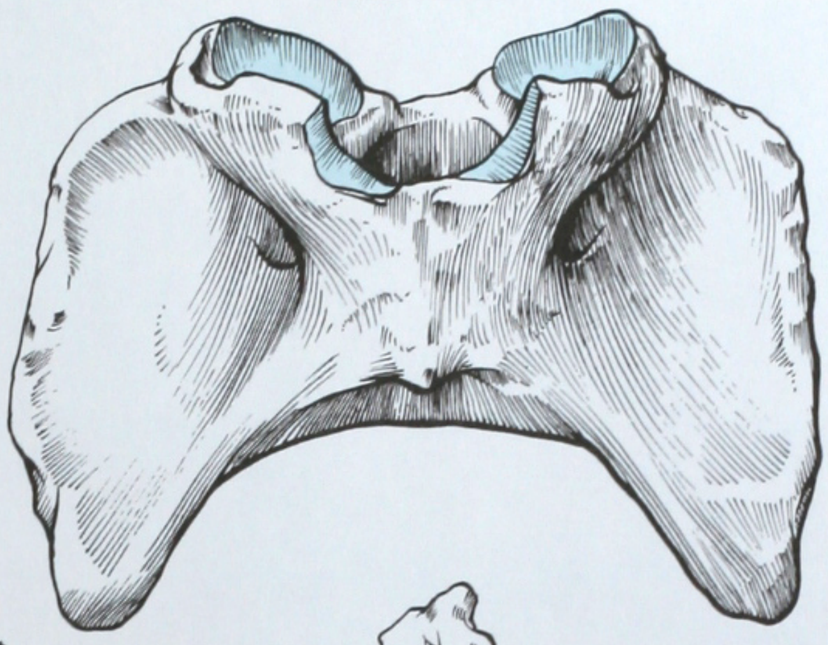
Cervicales

Atlas

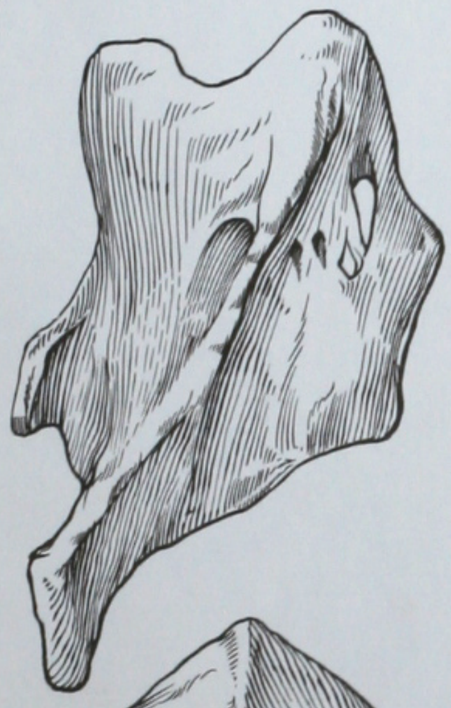
Cerf



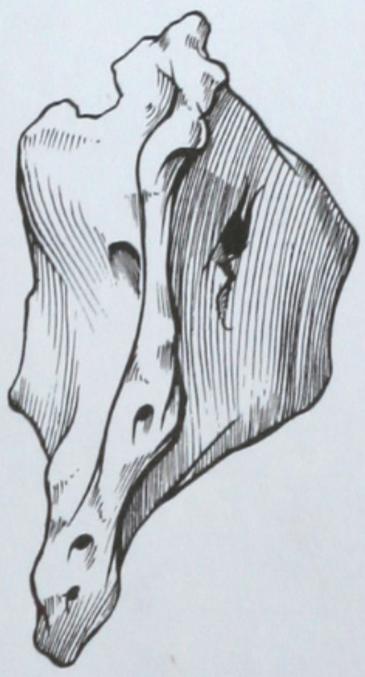
Renne

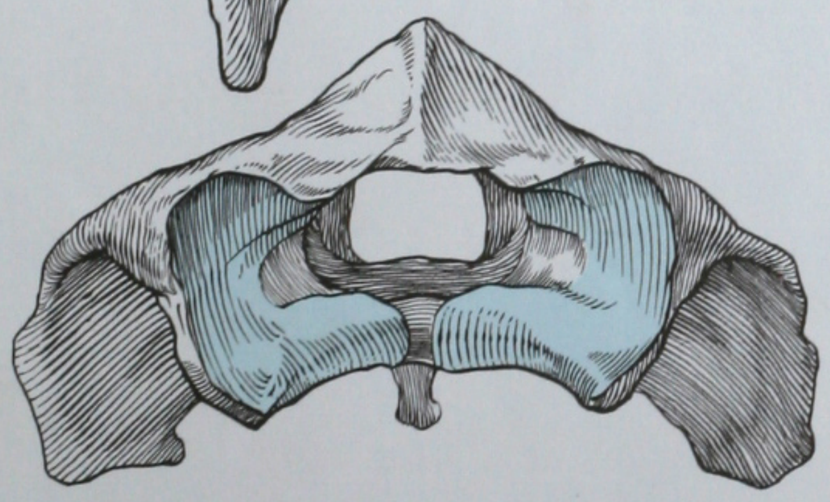


vue vent.

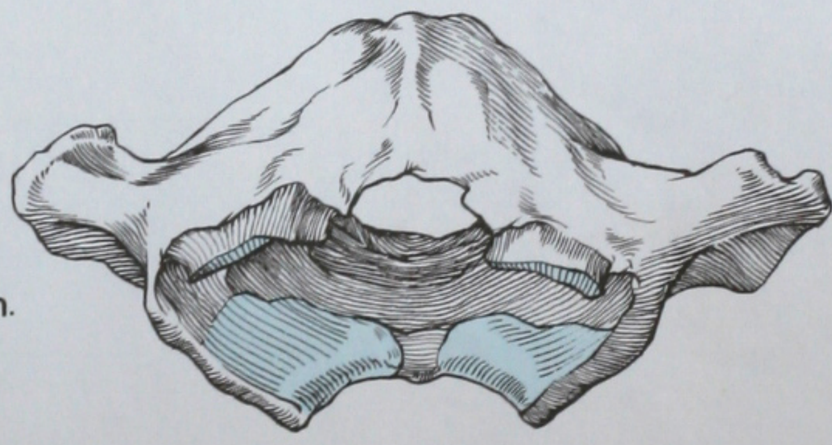


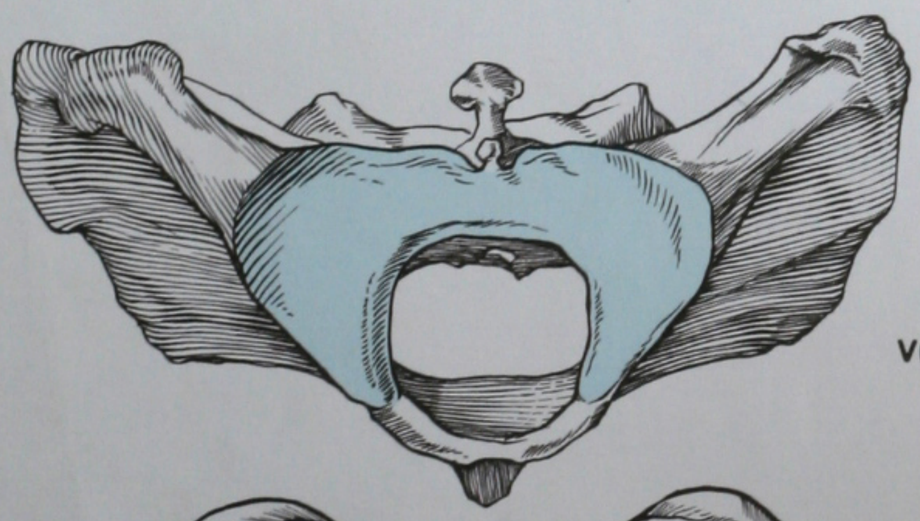
vue lat. G.



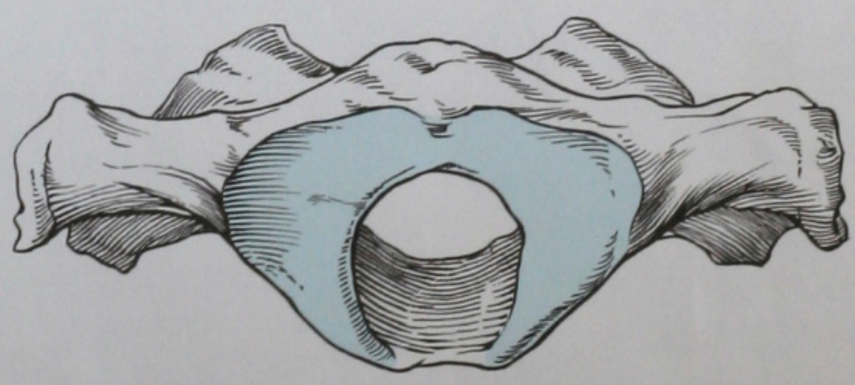


Vue crân.



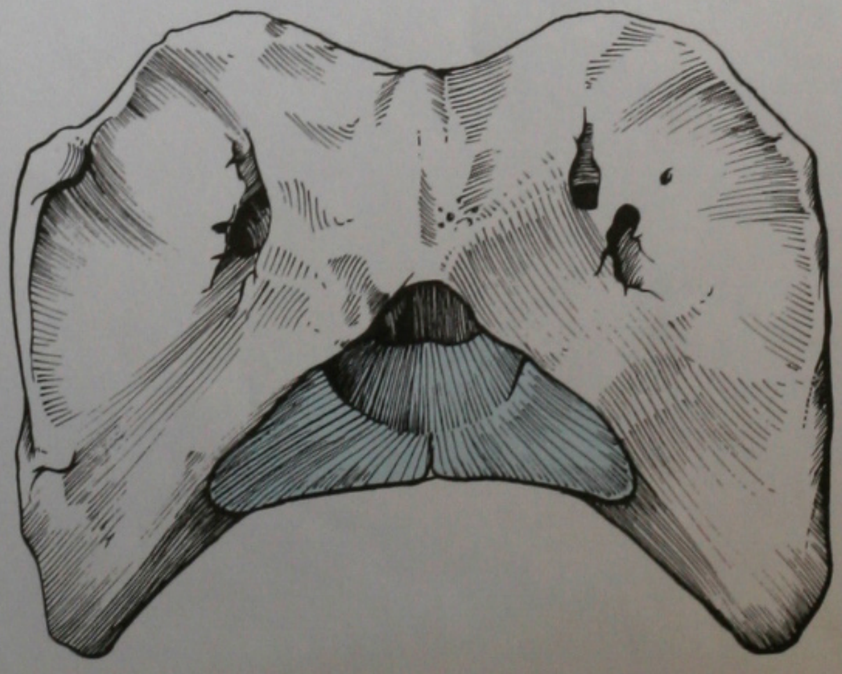


Vue caud.





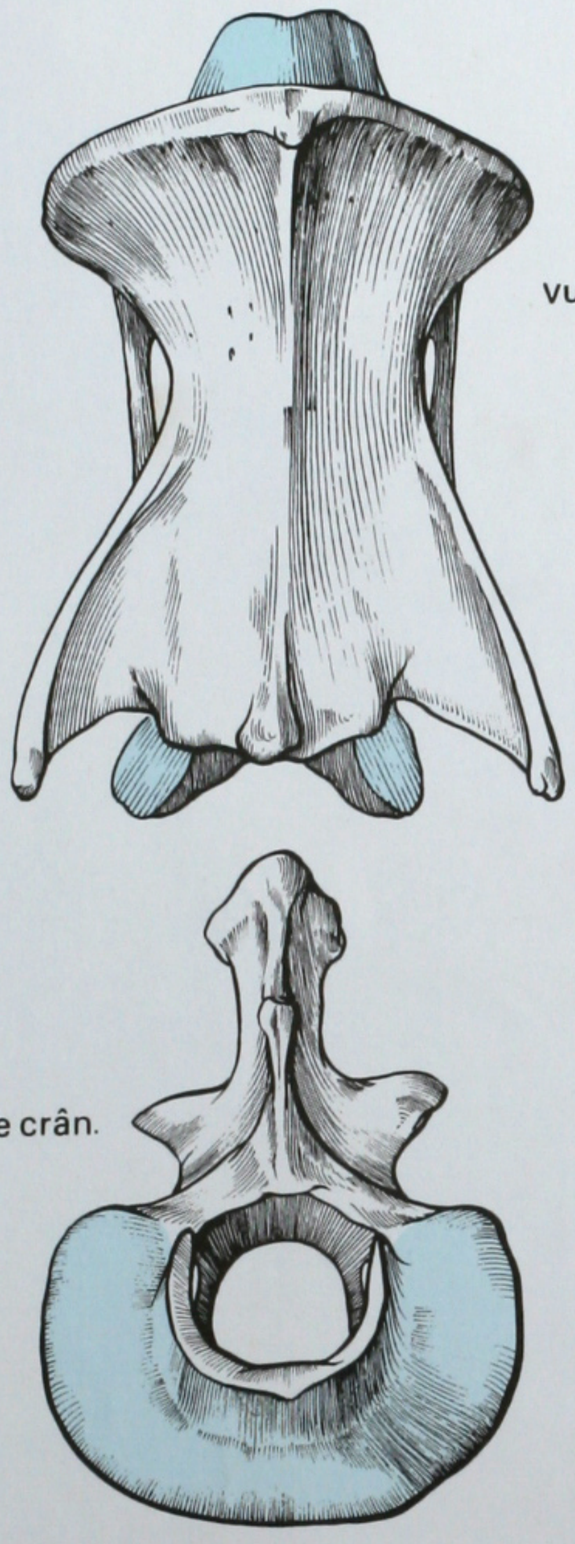
Vue dors.



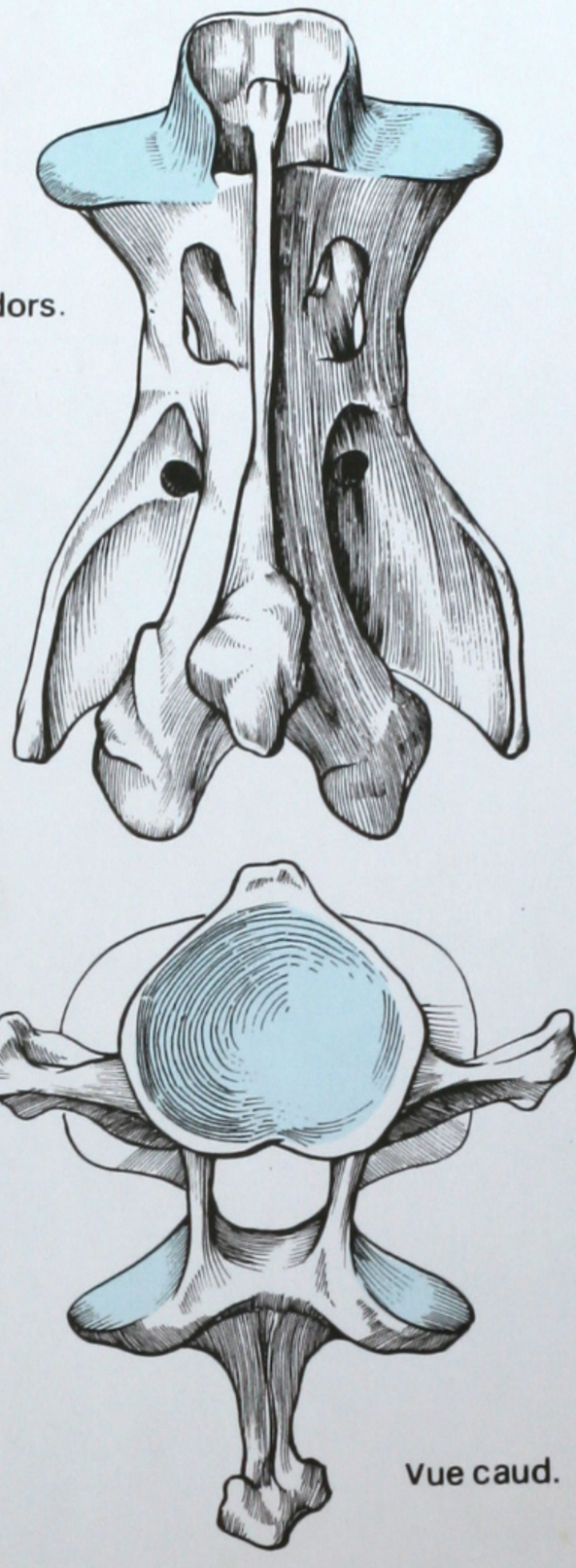
RACHIS

Cervicales

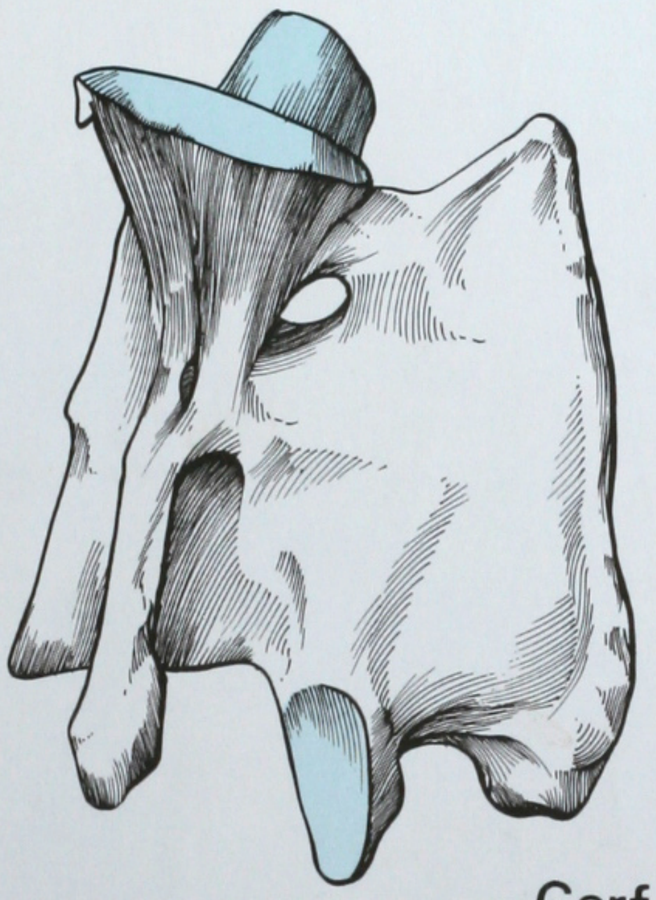
Axis



vue vent.



Vue dors.

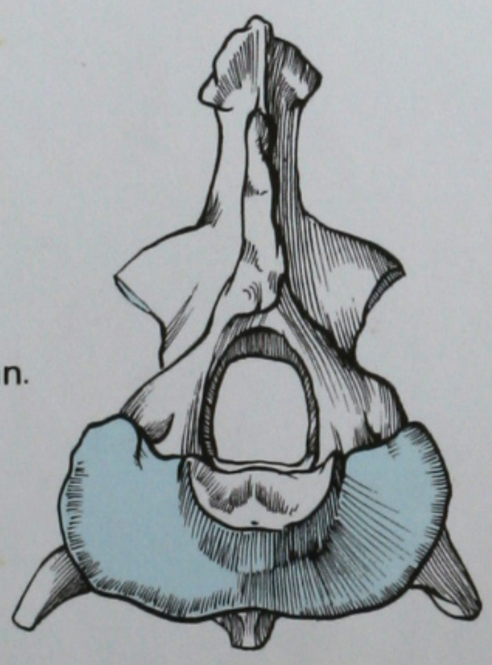


vue lat. G.

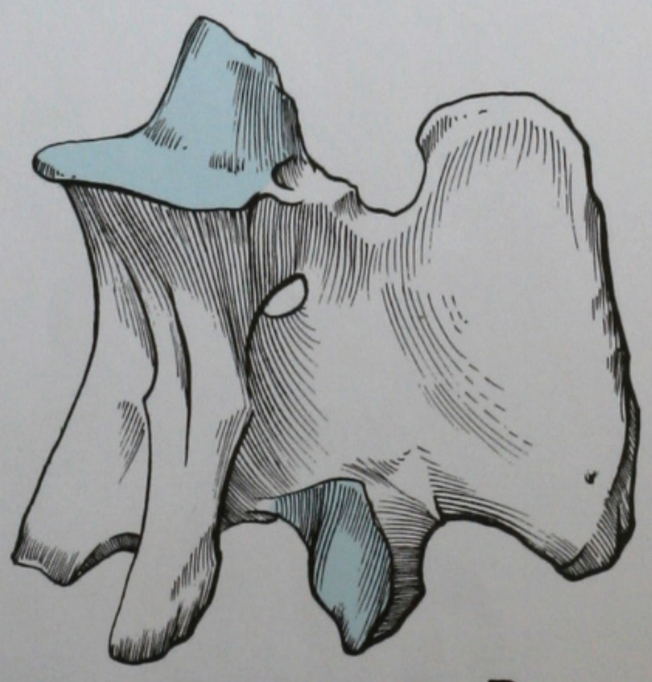
Cerf

Vue crân.

Vue caud.

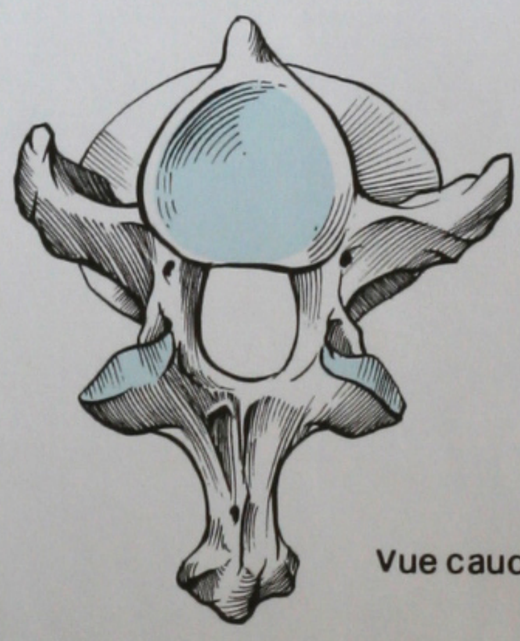


Vue crân.

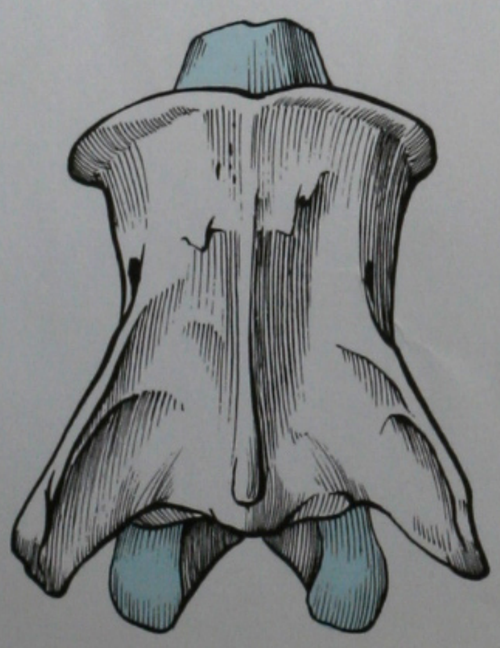


vue lat. G.

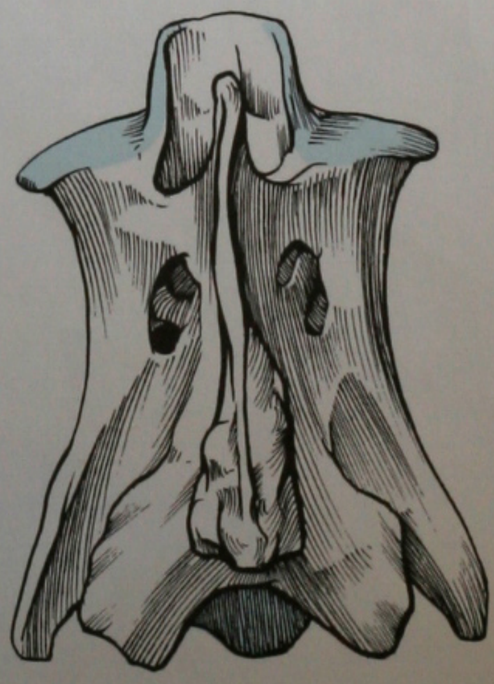
Renne



Vue caud.



vue vent.



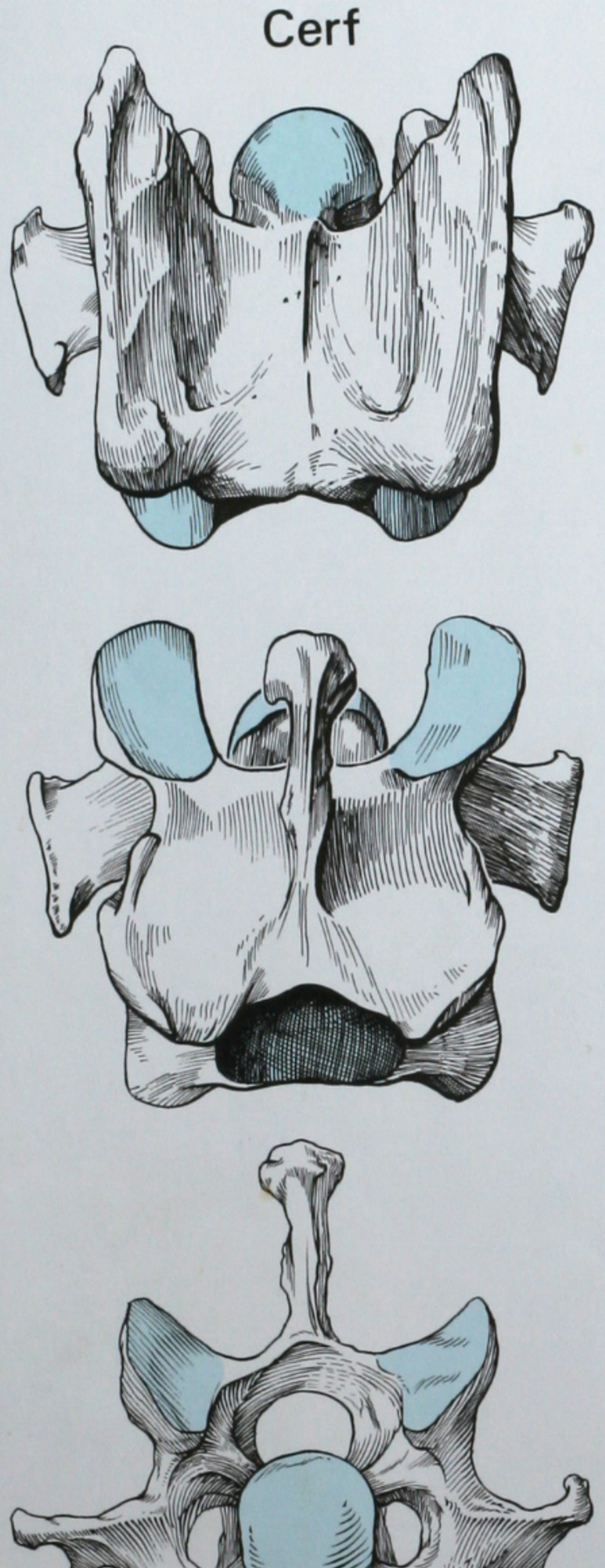
Vue dors.

RACHIS

Cervicales

6ème

Cerf



vue vent.

vue lat. G.

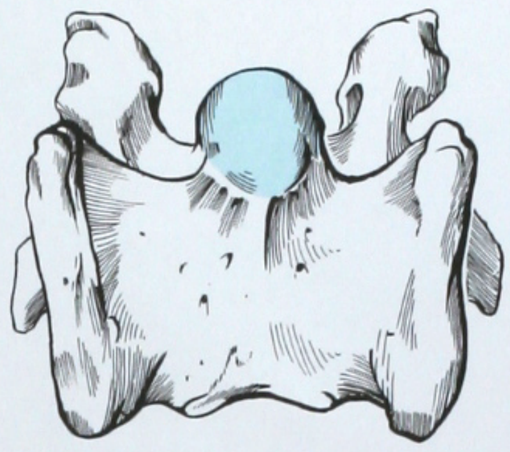
vue dors.

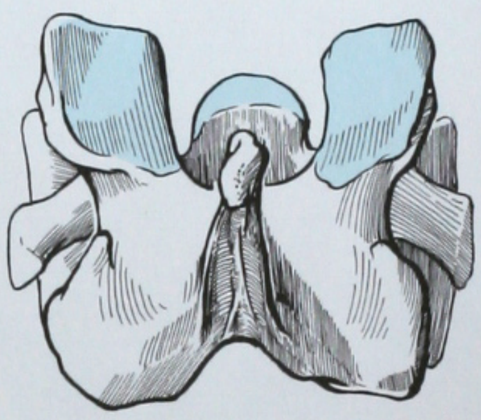
vue crân.

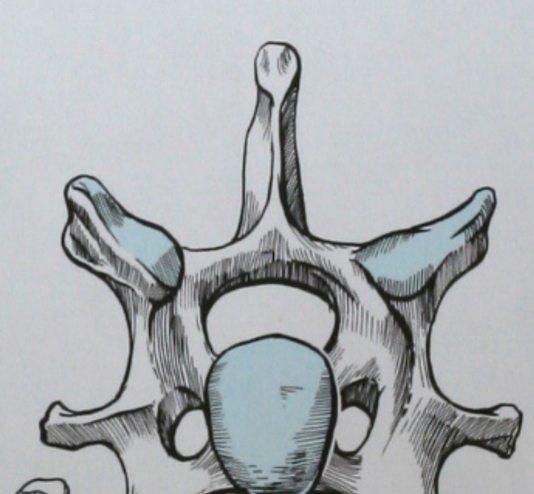
vue lat. G.

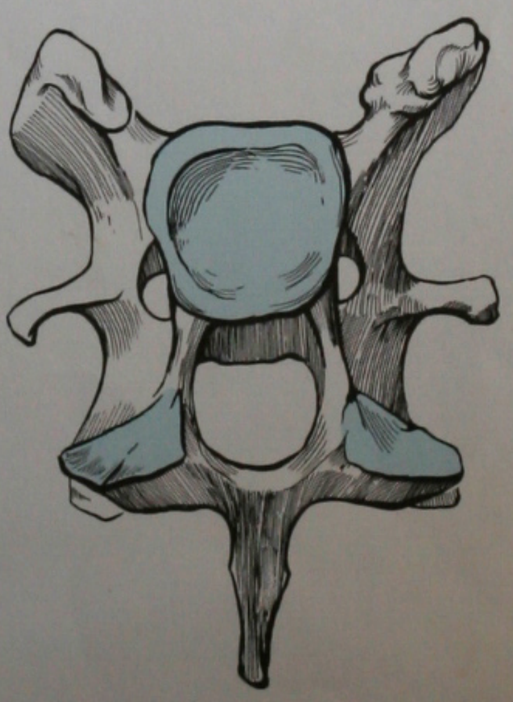
vue caud.

Renne









RACHIS

Dorsale 6ème

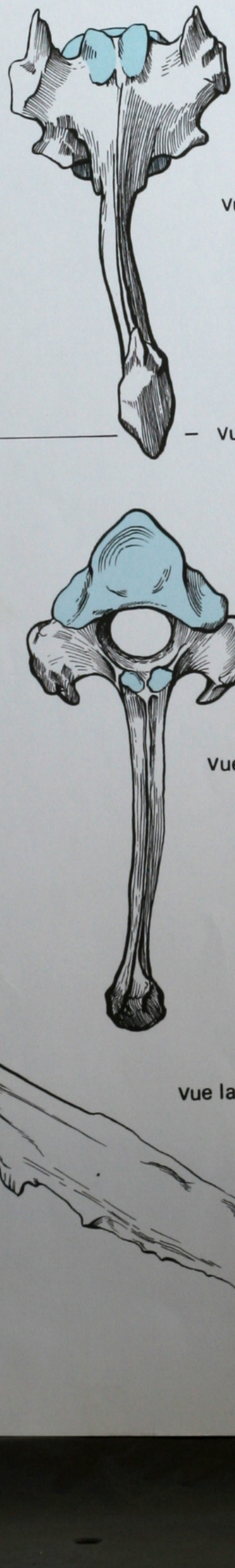
Cerf

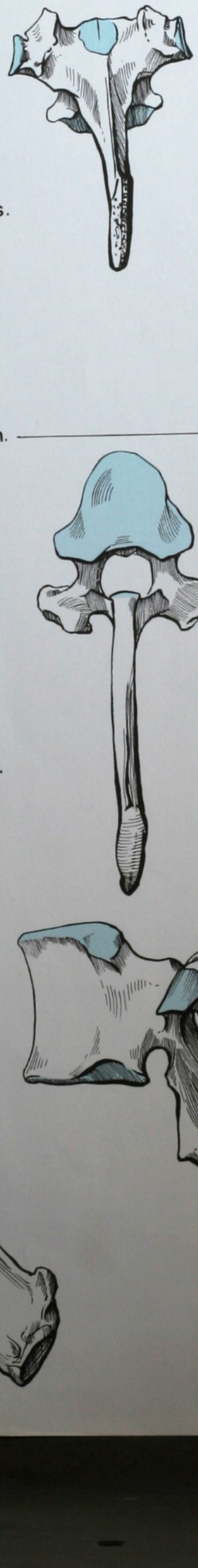


Renne



vue vent.



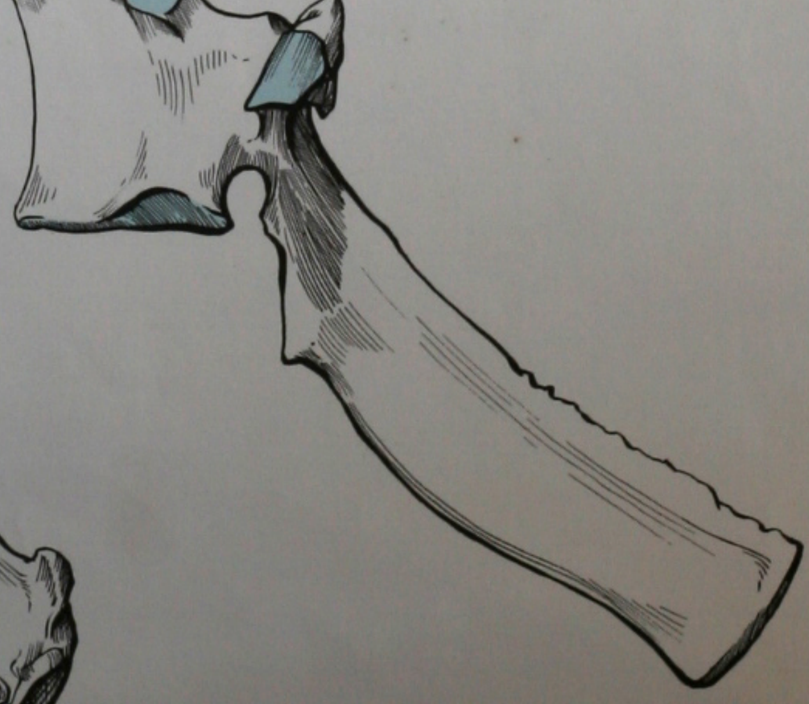


vue dors.

vue crân.

vue caud.

vue lat. G.



RACHIS

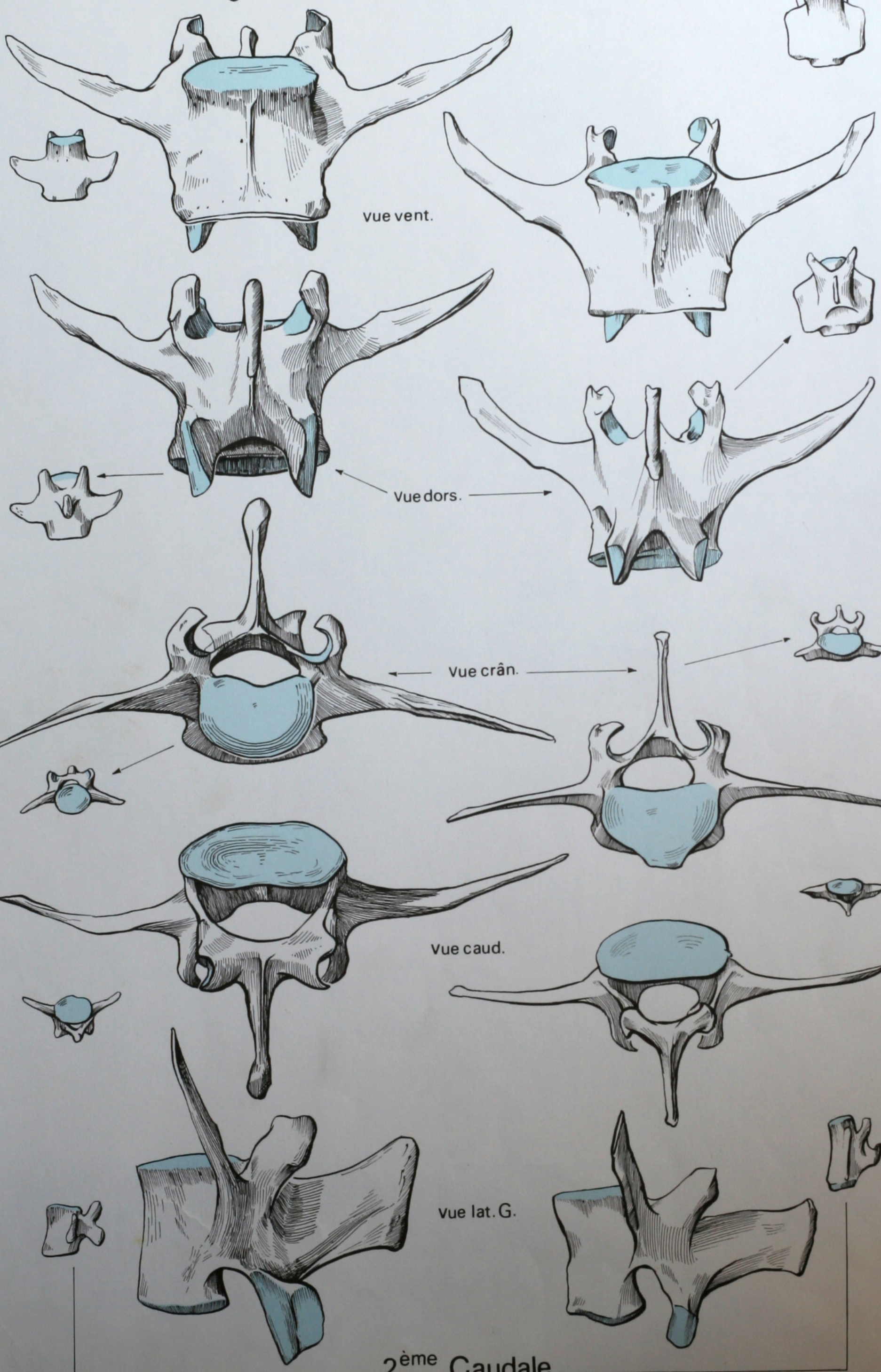
Lombaire

Cerf

6ème

Renne

5ème



2ème Caudale

RACHIS

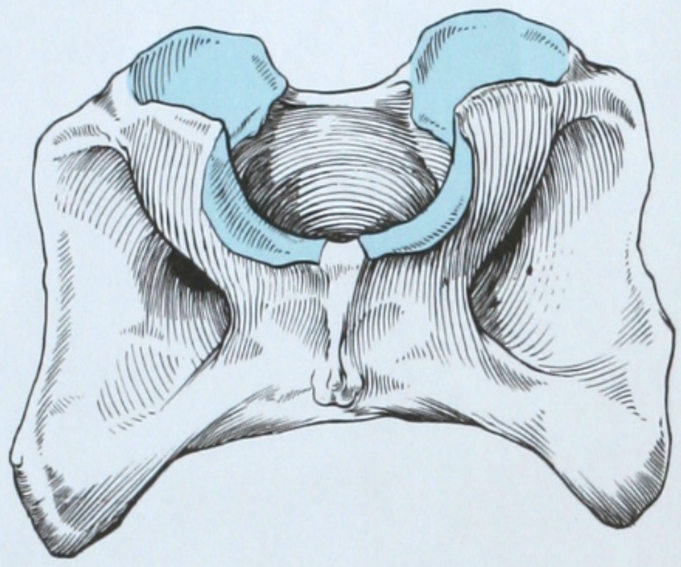
Cervicales

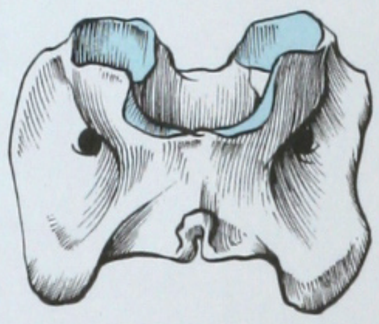
Atlas

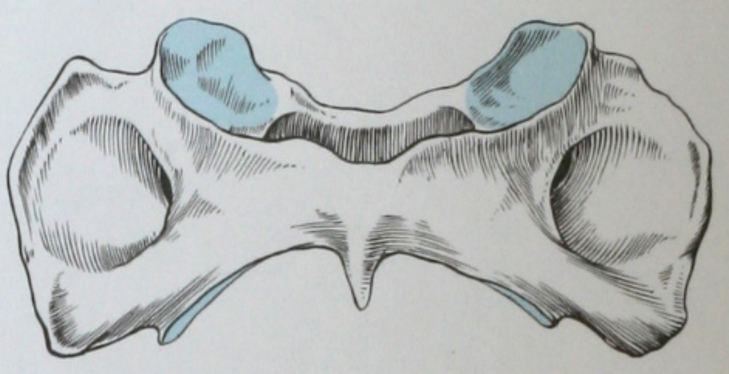
Daim

Chevreuil

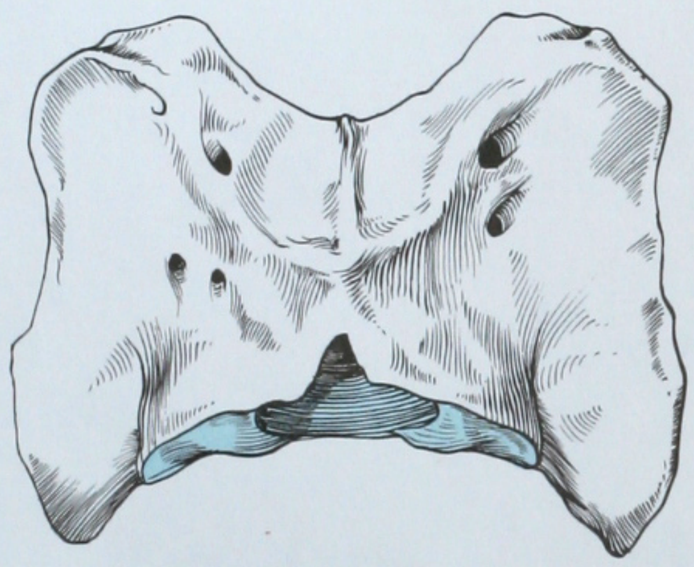
Sanglier

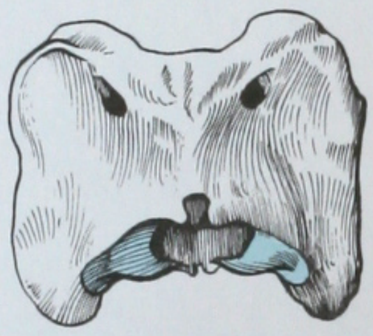


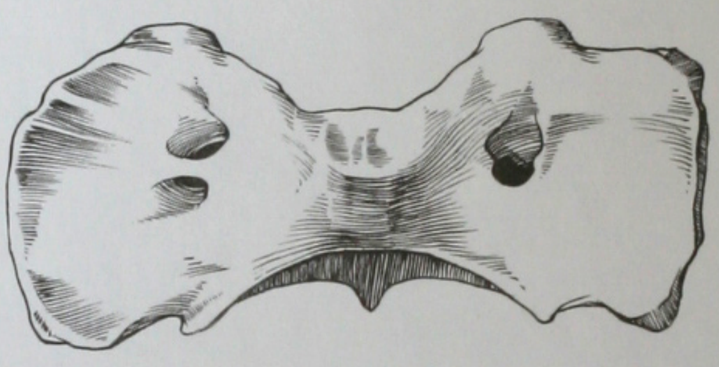




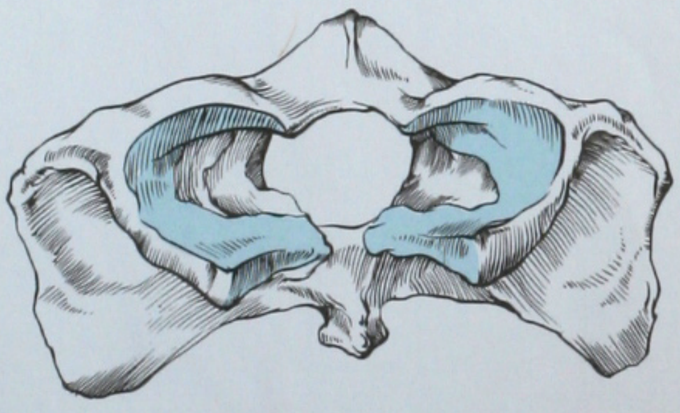
vue vent.

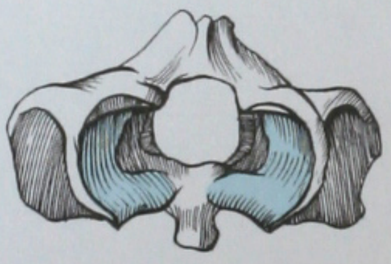


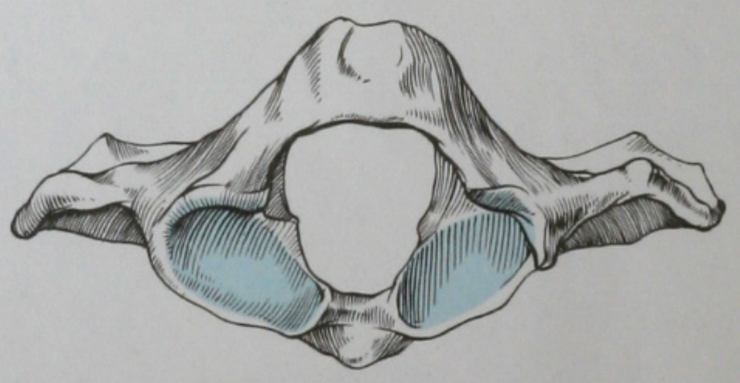




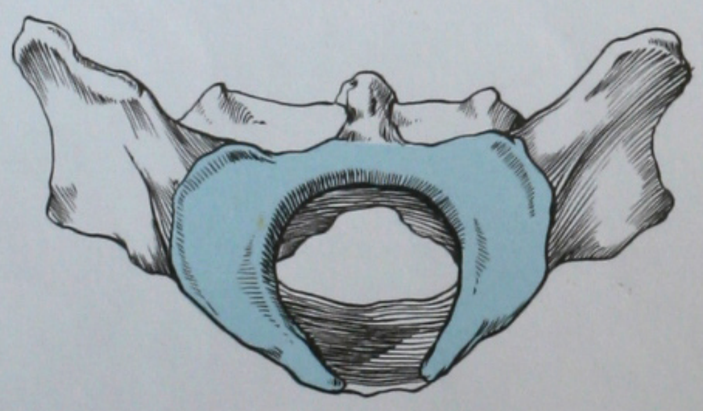
vue dors.

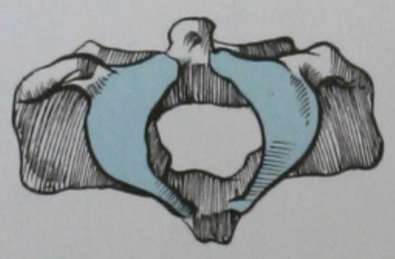


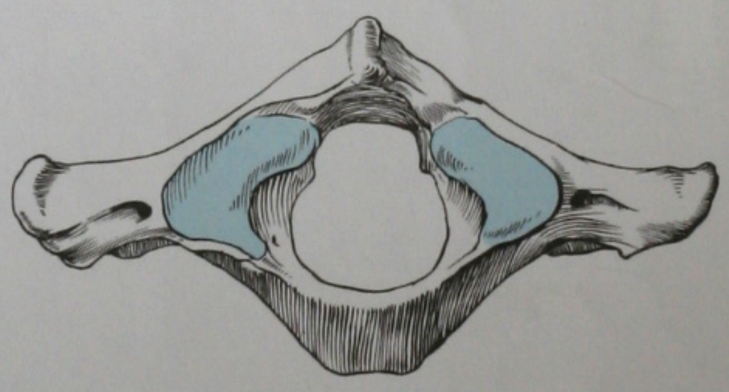




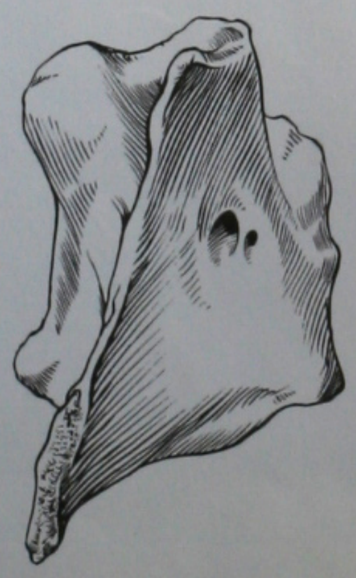
vue crân.



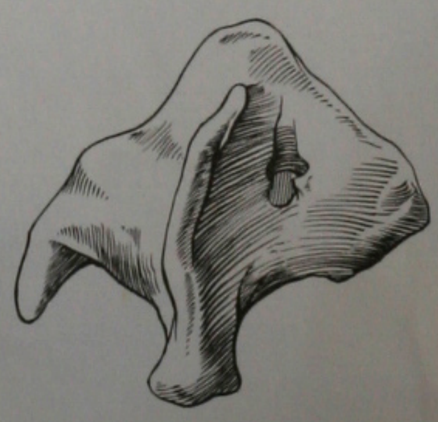




vue caud.







vue lat. G.

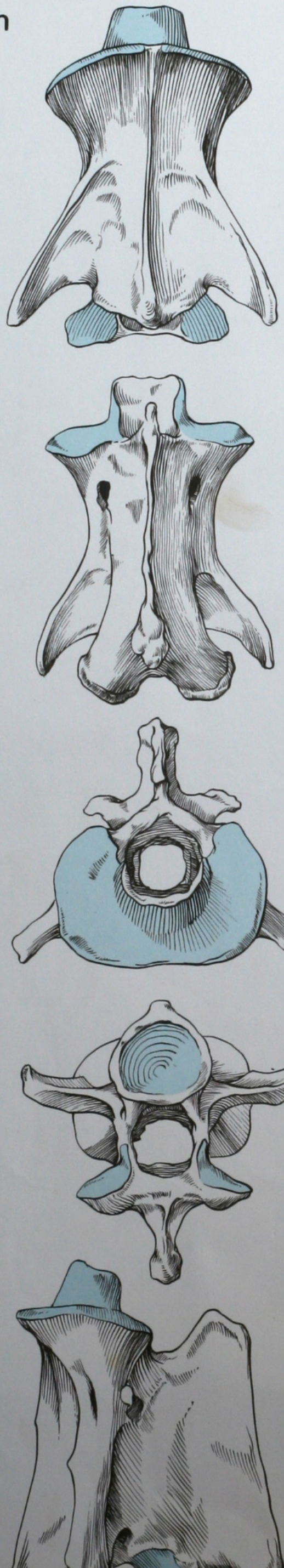
RACHIS

Cervicales

Axis

HERBIVORES

Daim



Chevreuil



vue vent.

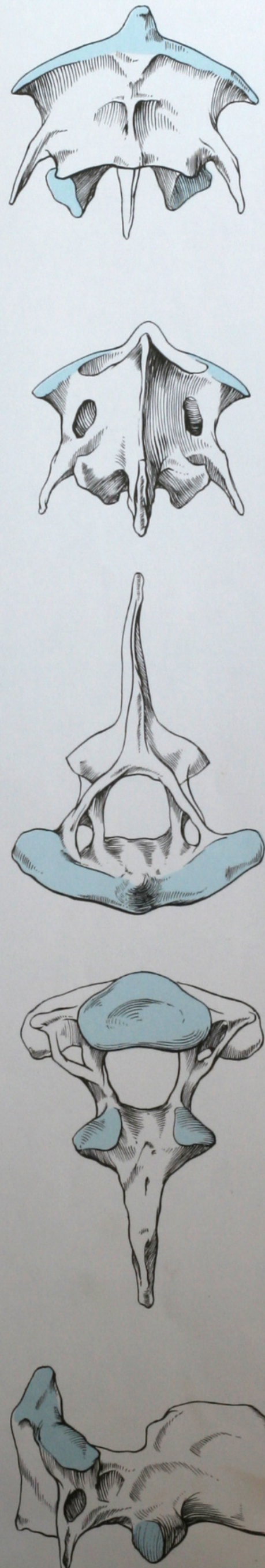
vue dors.

Vue crân.

Vue caud.

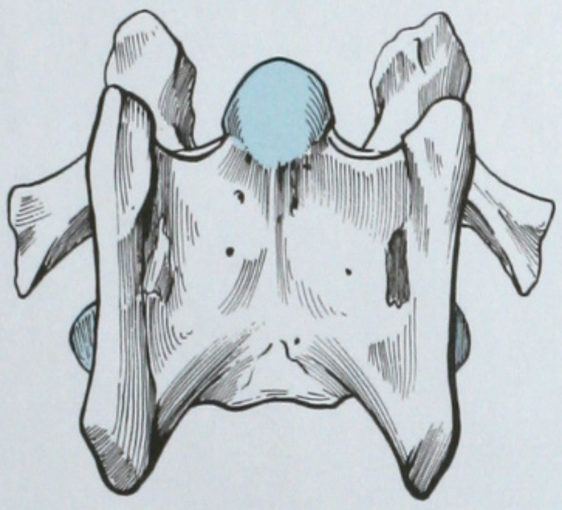
vue lat. G.

Sanglier

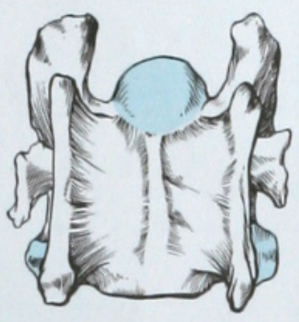


RACHIS Cervicales 6ème

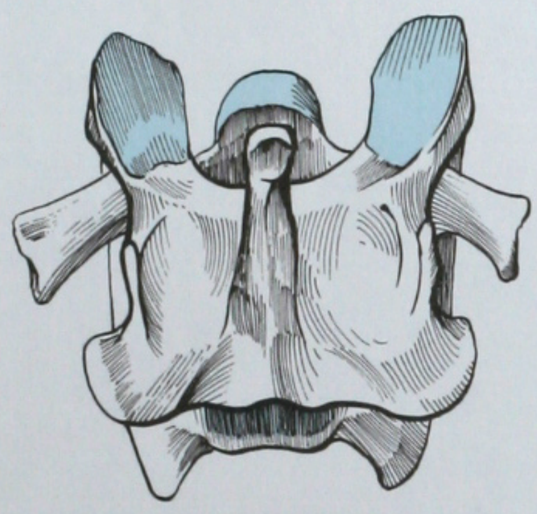
Daim

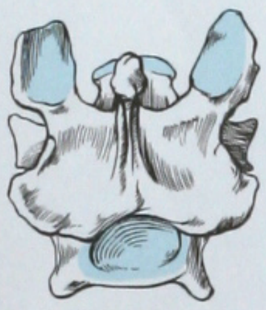


Chevreuil

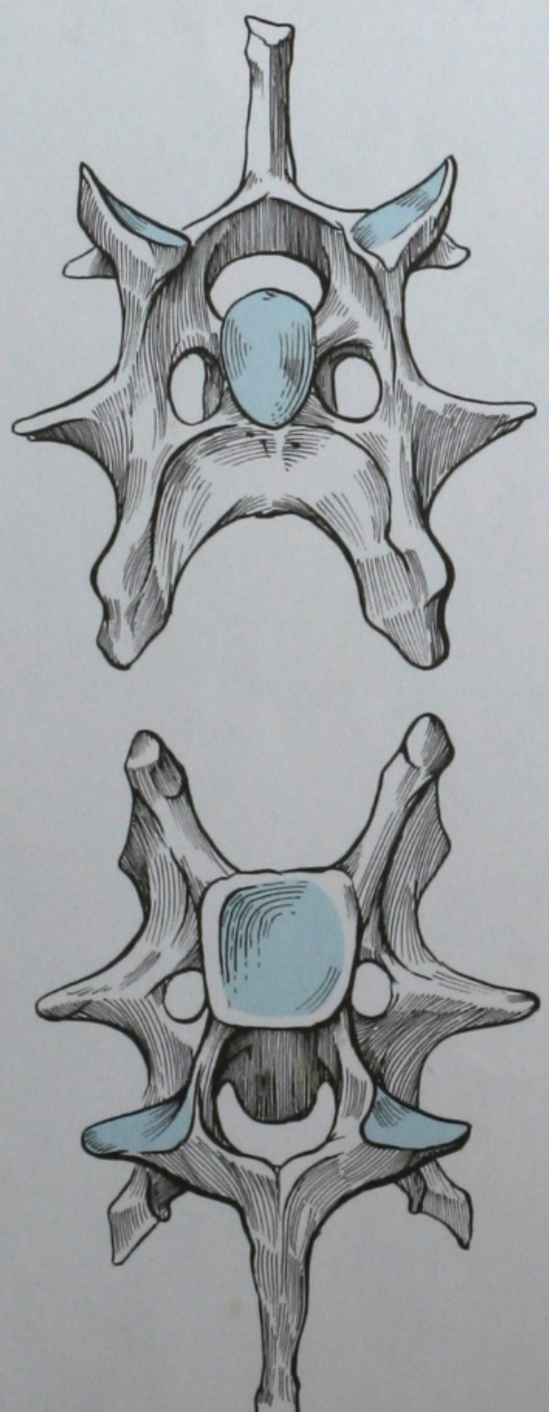


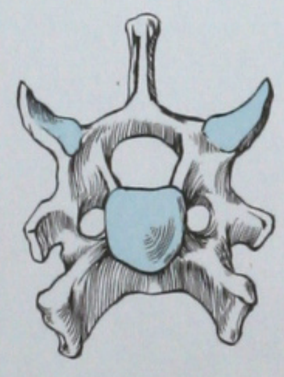
vue vent.



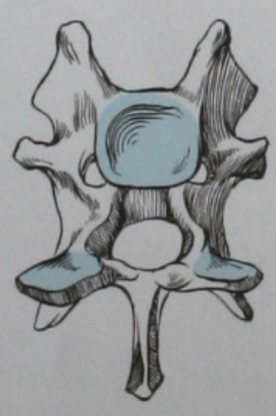


vue dors.

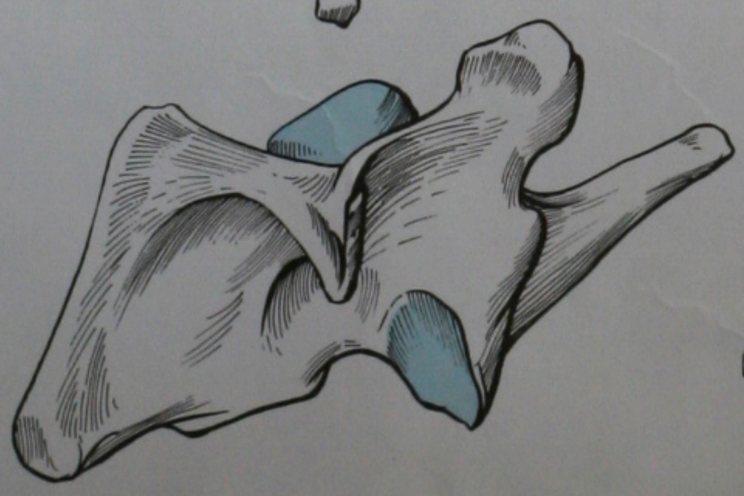




vue crân.



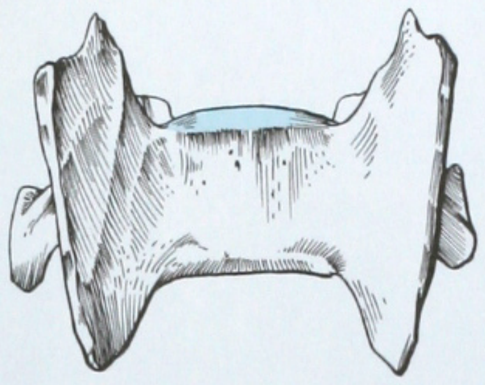
vue caud.

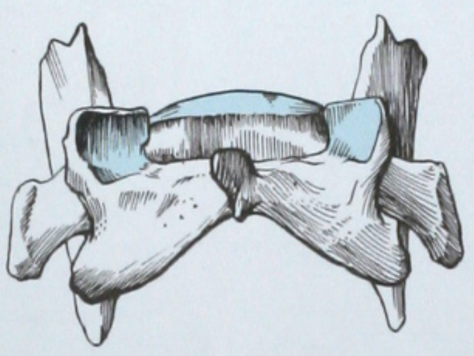


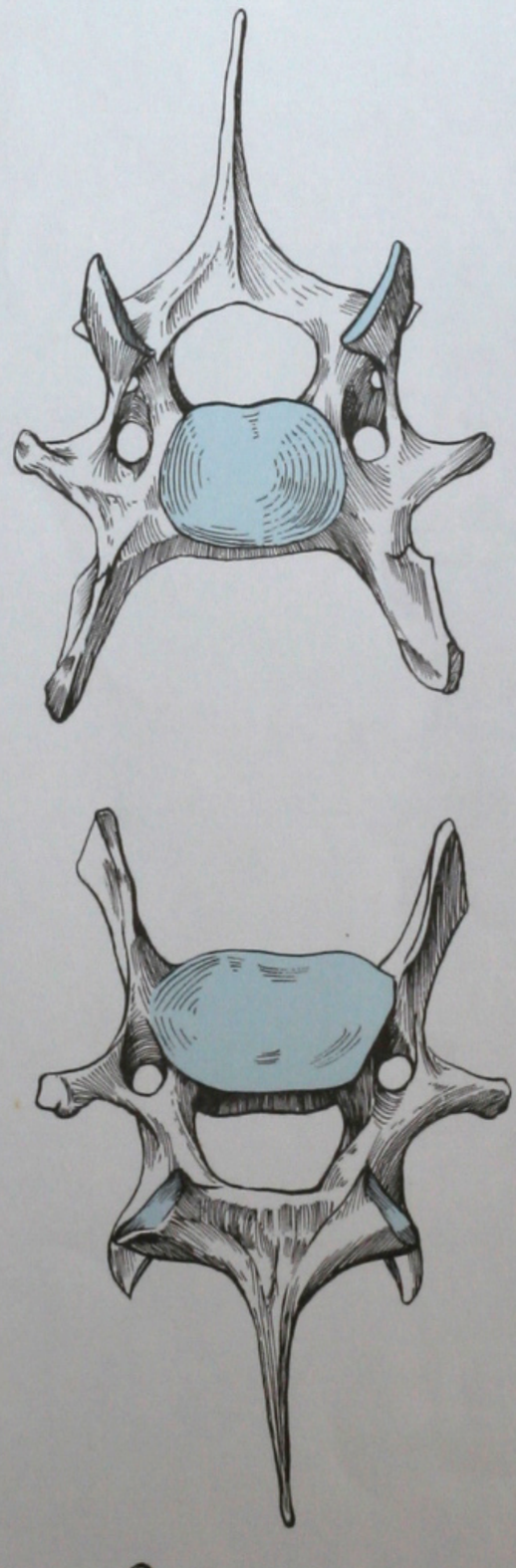


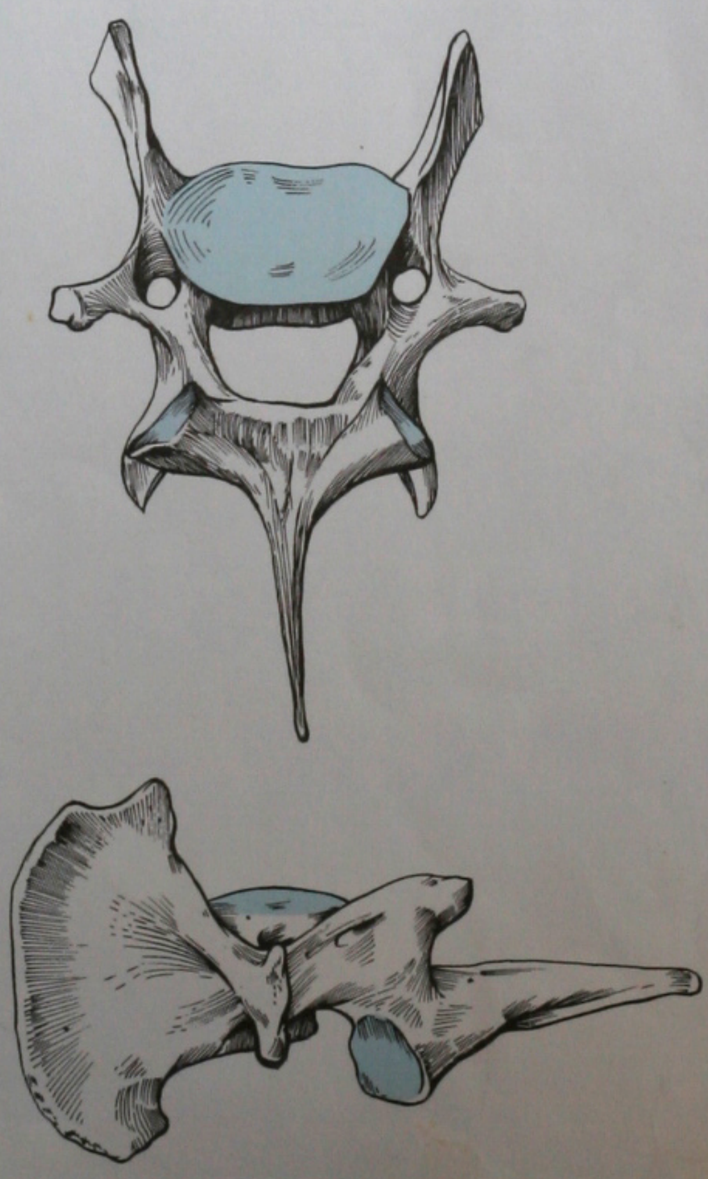
vue lat. G.

Sanglier





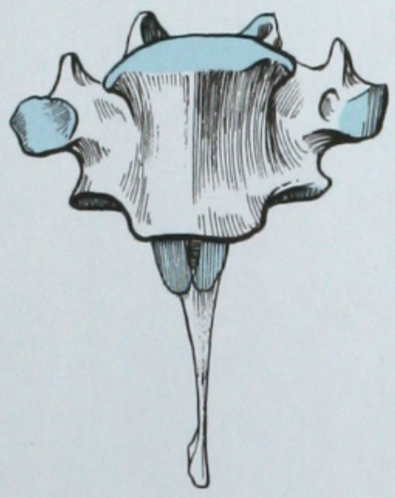


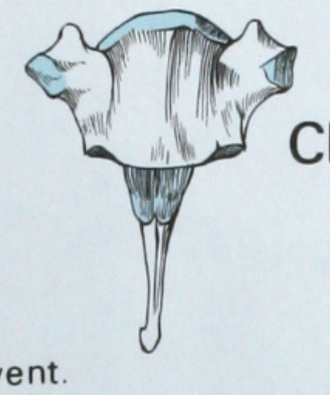


RACHIS

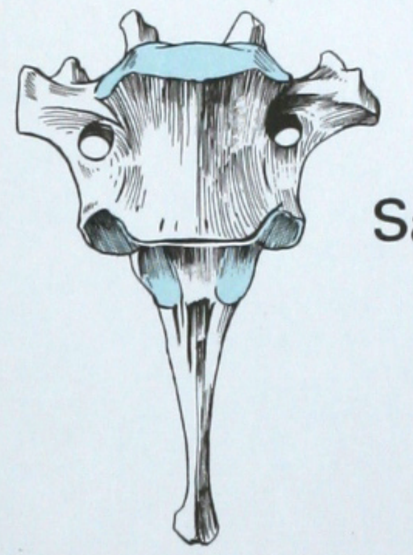
Dorsale 6 ème

Daim



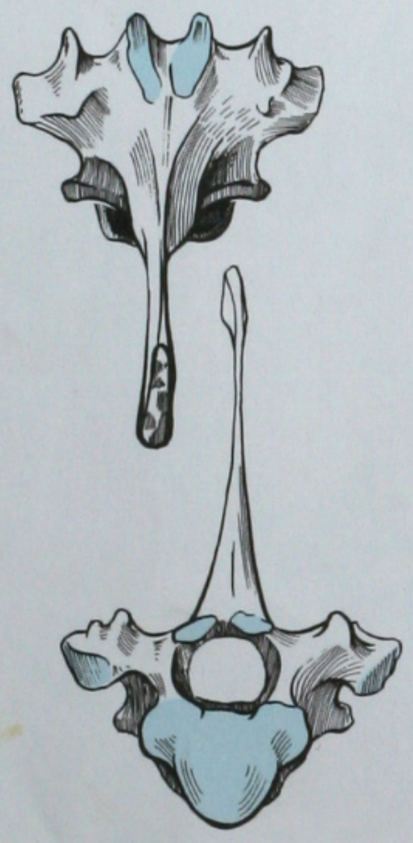


Chevreuil



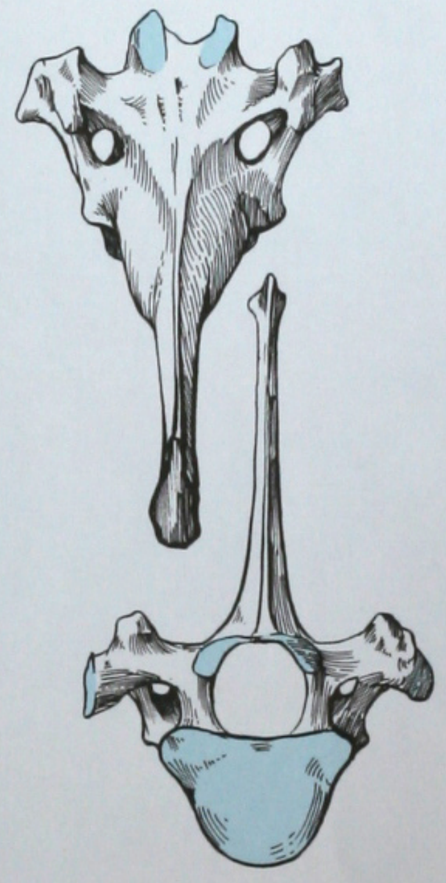
Sanglier

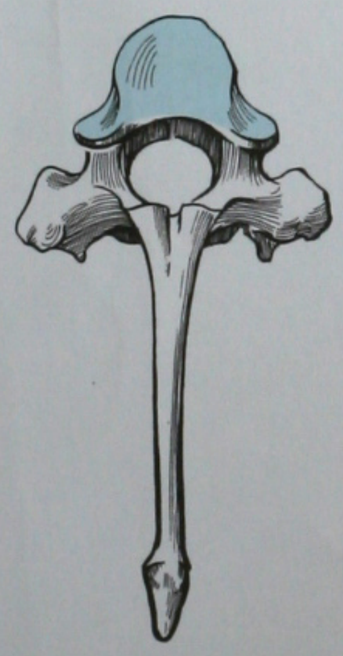
vue vent.

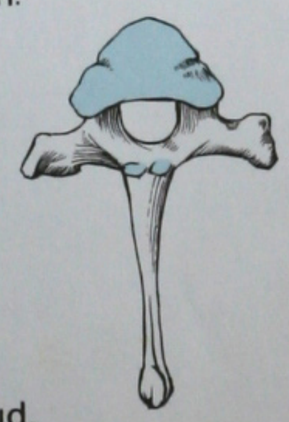




vue dors.



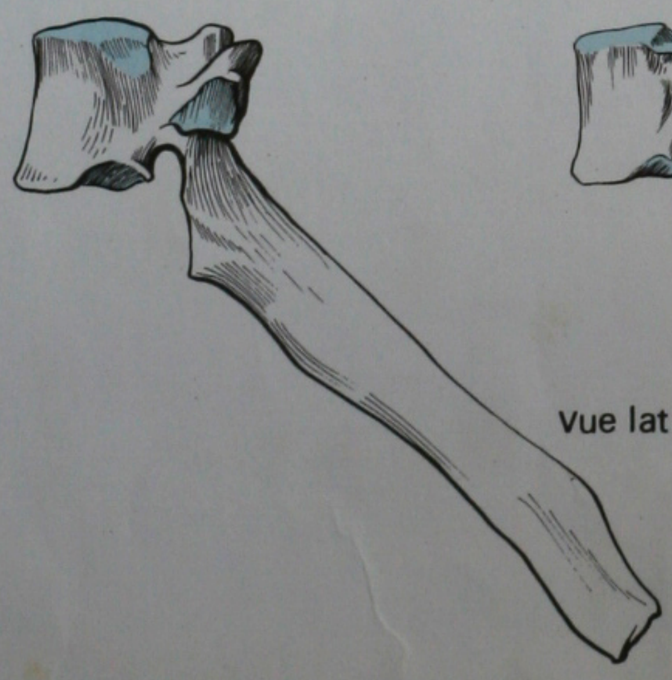


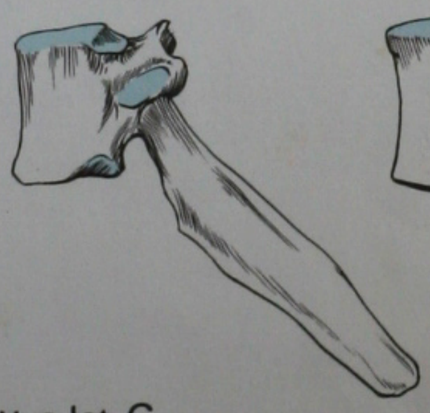


vue crân.

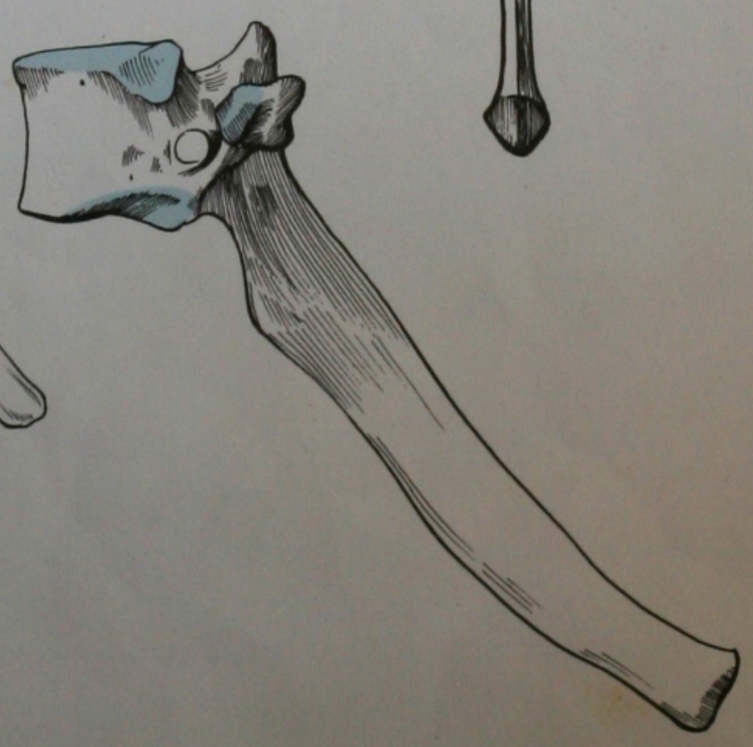


vue caud.





vue lat. G.



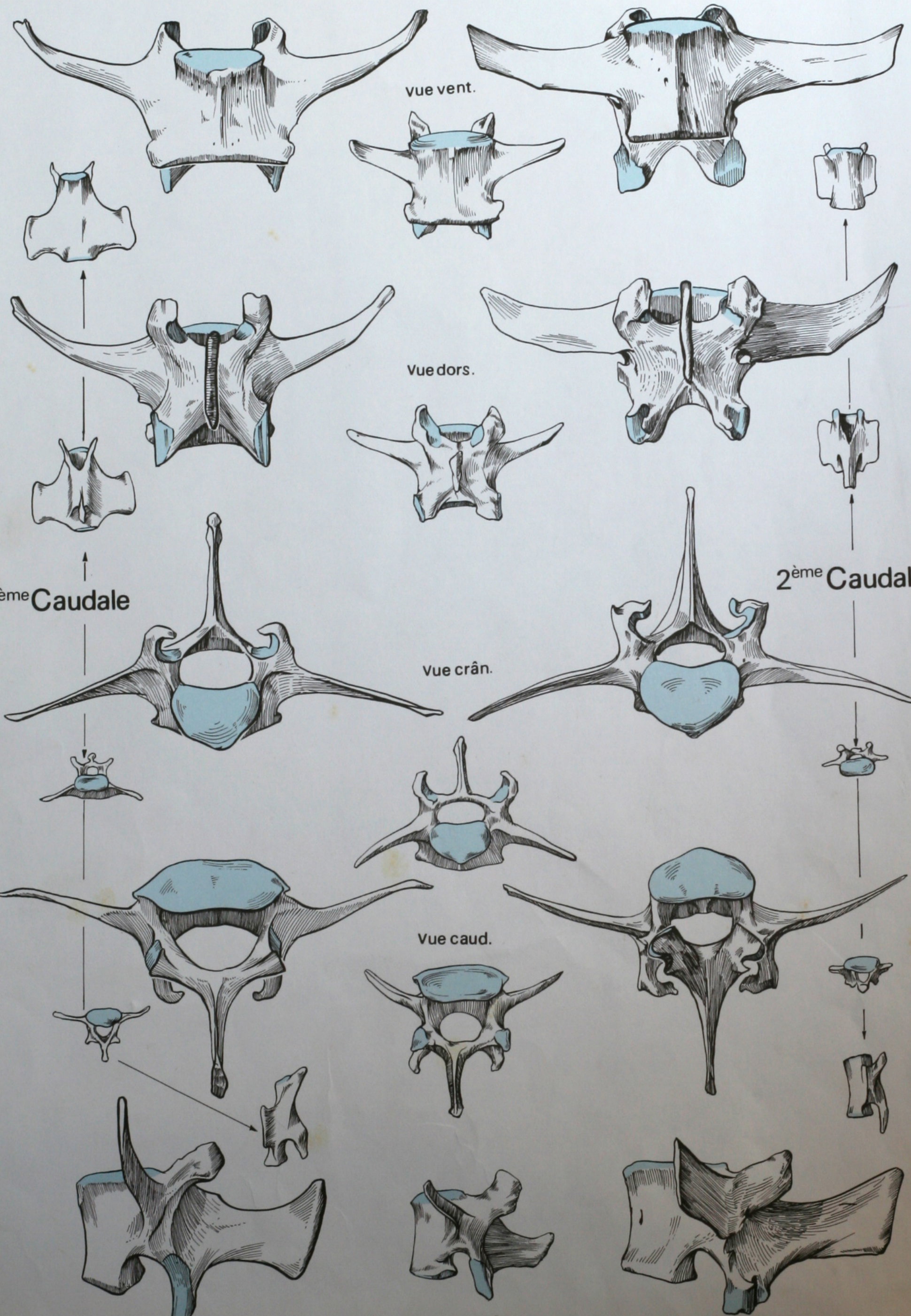
RACHIS

Lombaire

6ème Daim

5ème Chevreuil

6ème Sanglier



2ème Caudale

2ème Caudale

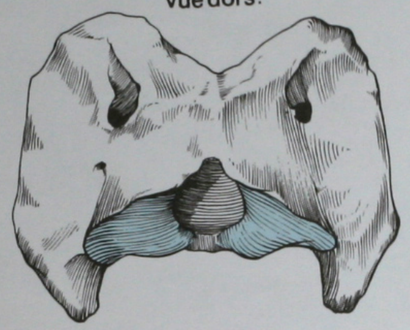
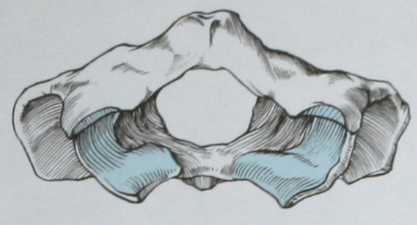
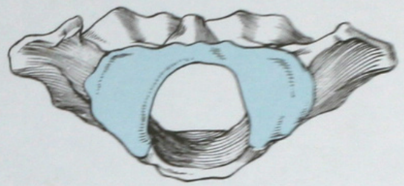
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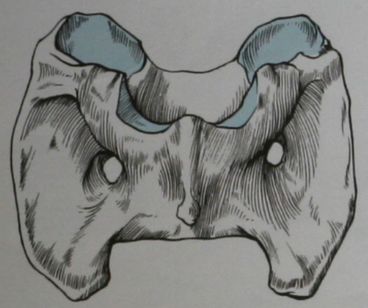
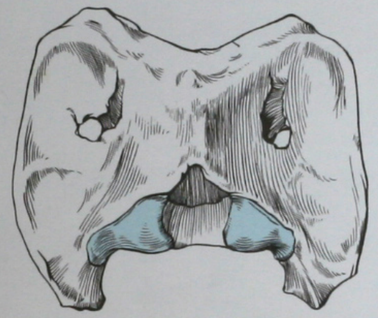
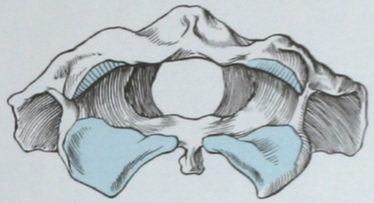
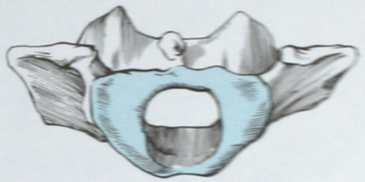
Cervicales

Atlas

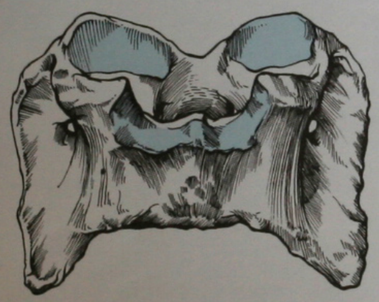
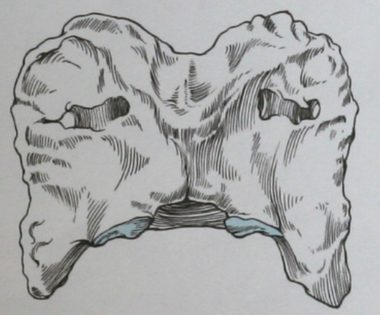
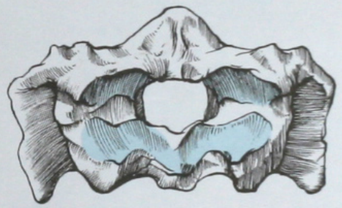
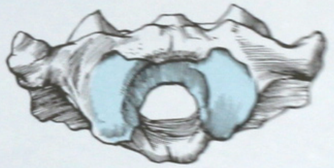
Vue vent. | Vue dors. | Vue crân. | Vue caud. | Vue lat. G.

Bouquetin ♀

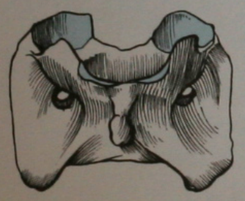





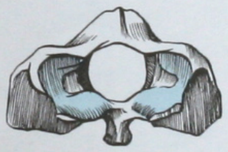
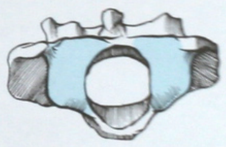







Chèvre


Mouflon




Mouton

RACHIS

Cervicales

Axis

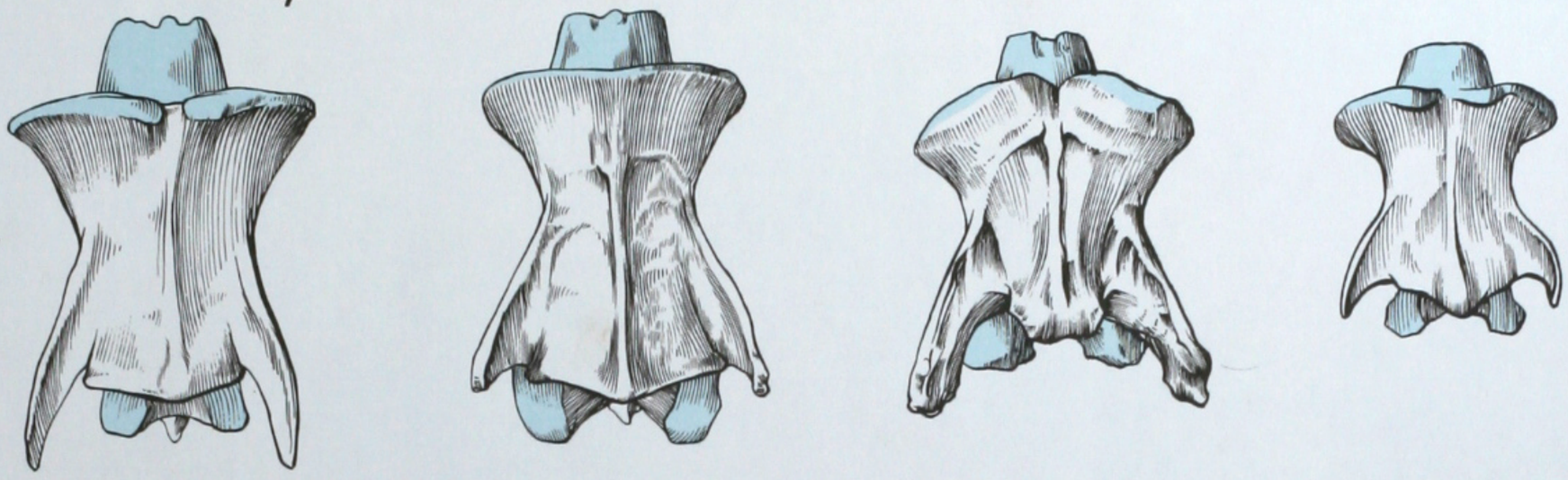
Bouquetin ♀

Chèvre

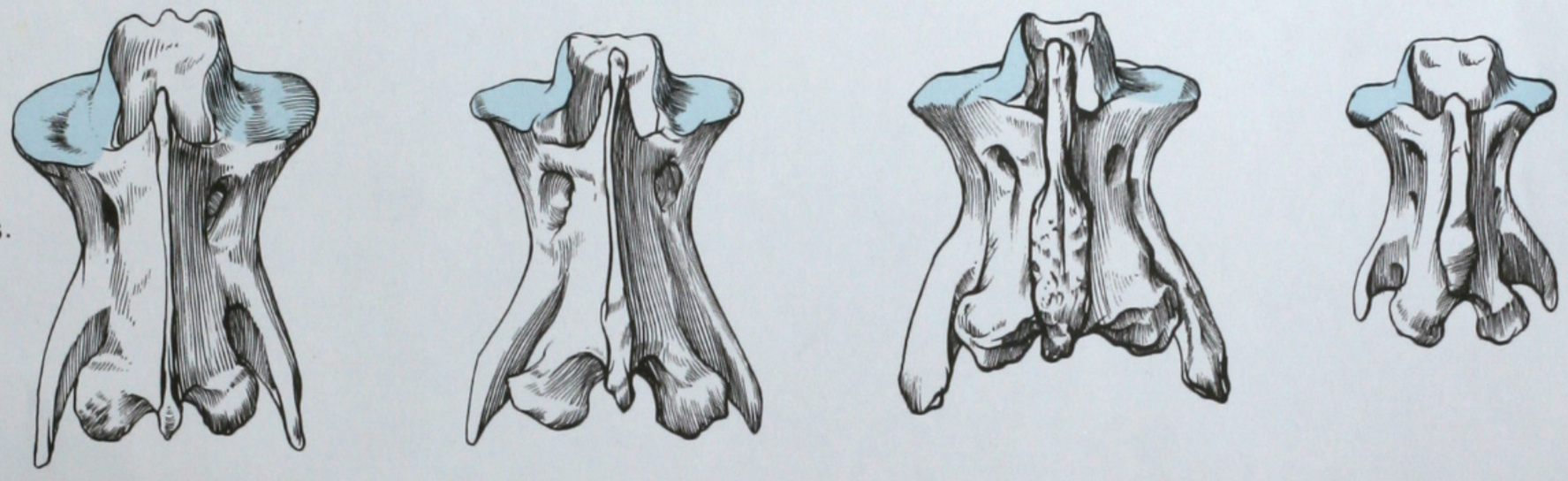
Mouflon

Mouton

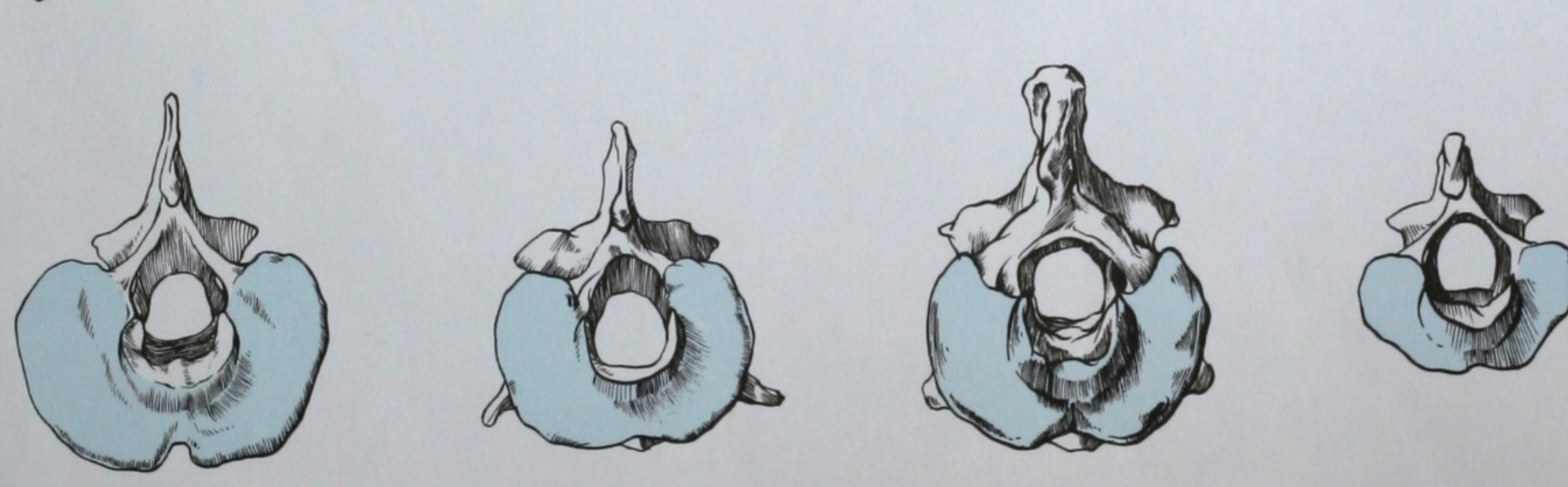
vue vent.



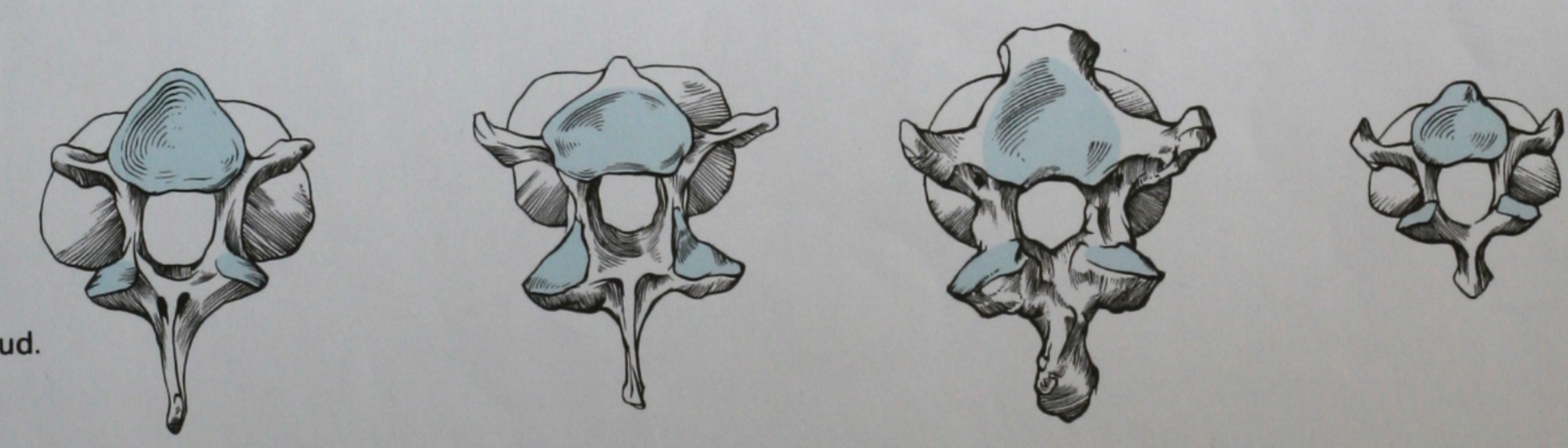
vue dors.



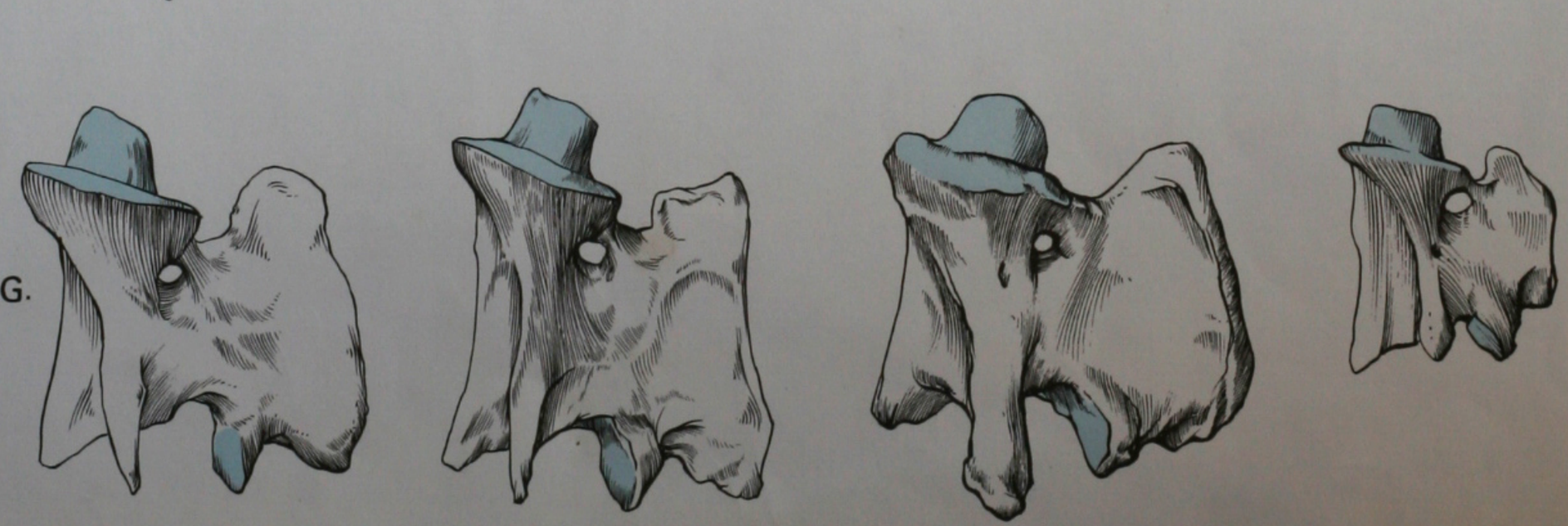
vue crân.



vue caud.



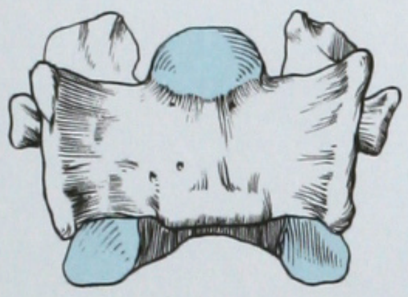
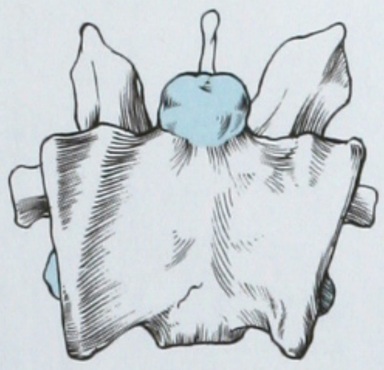
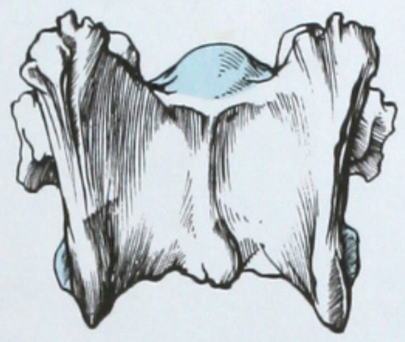
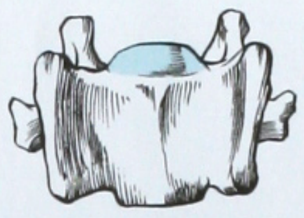
vue lat. G.



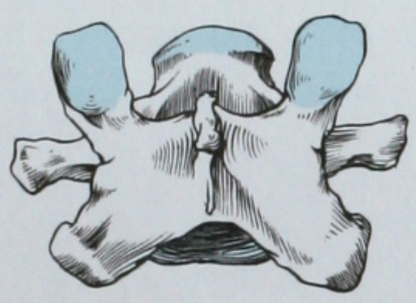
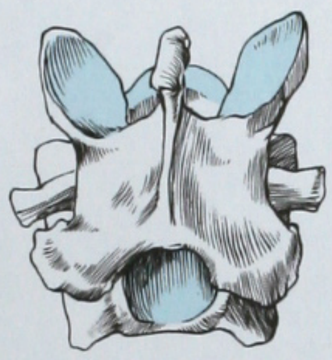
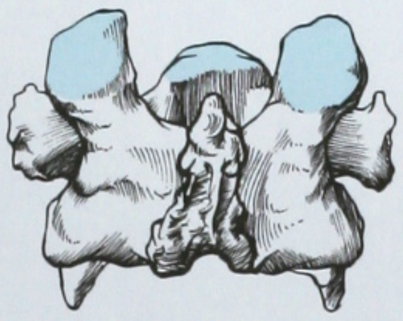
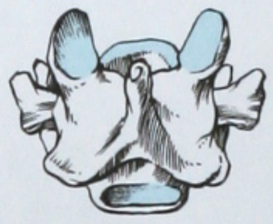
RACHIS

Cervicales 6ème

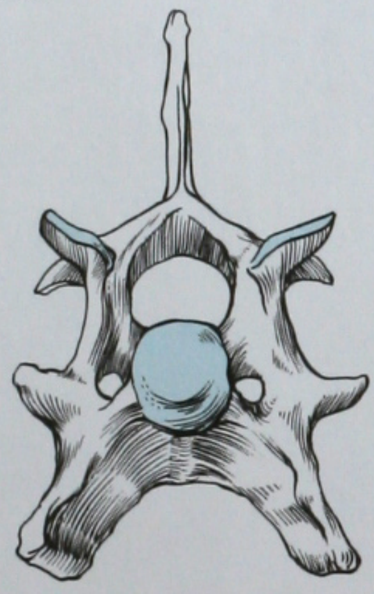
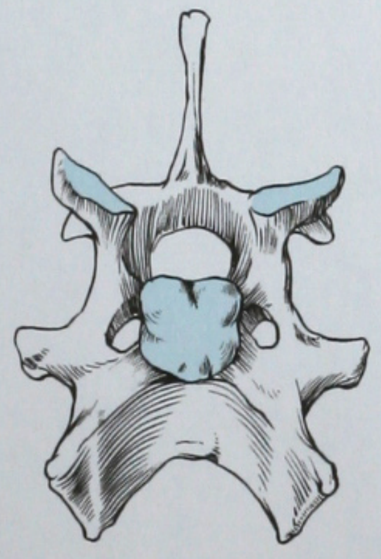
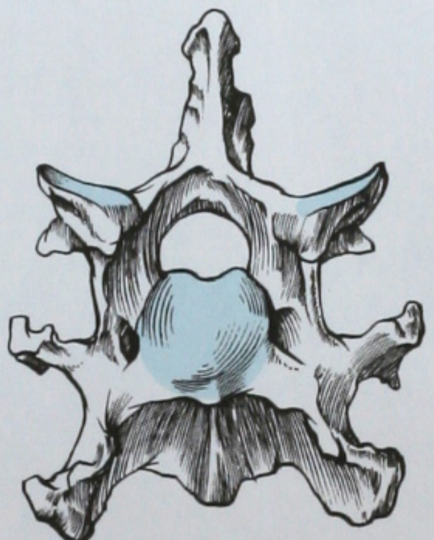
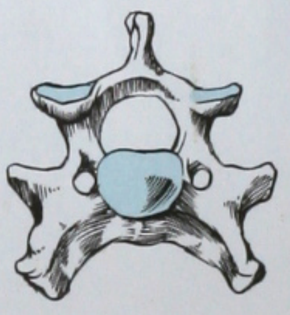
Bouquetin ♀ | Chèvre | Mouflon | Mouton

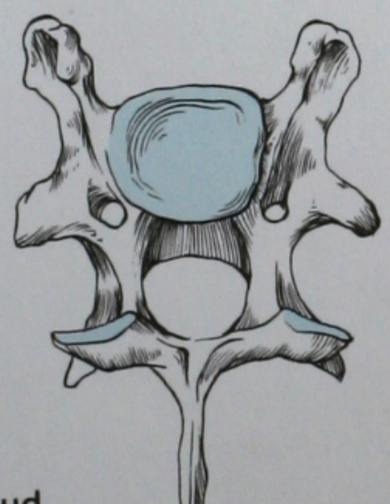
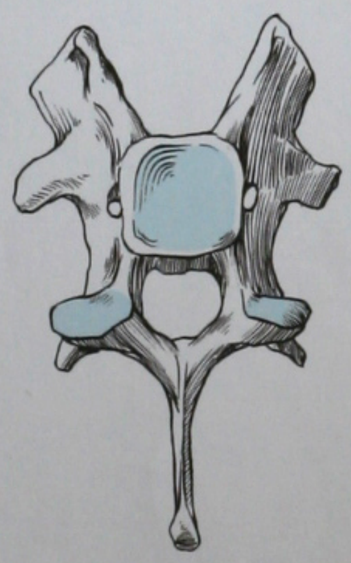
vue vent.

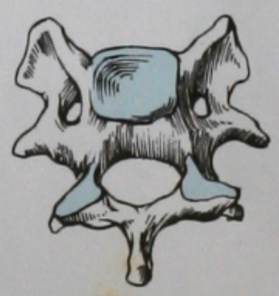





vue dors.

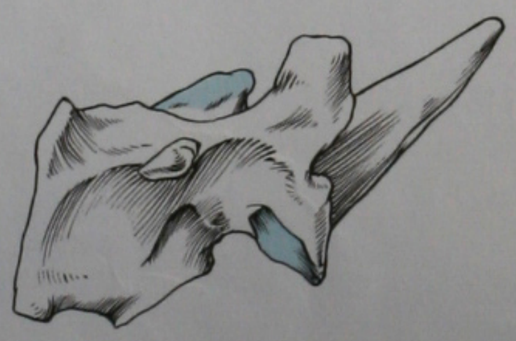
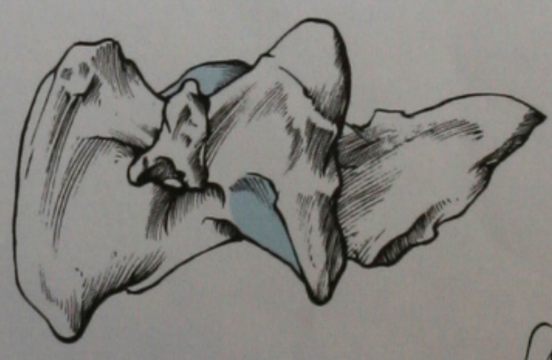
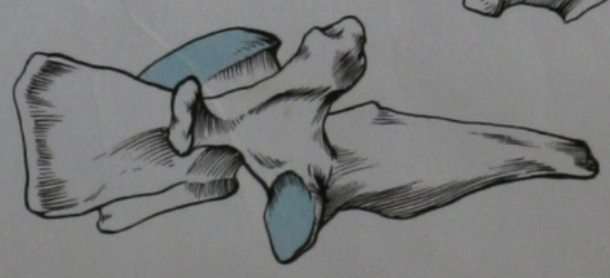
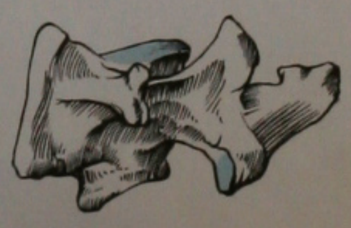





vue crân.



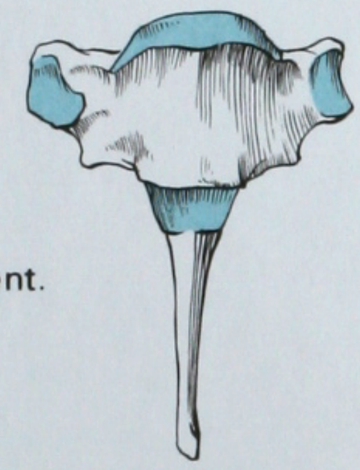
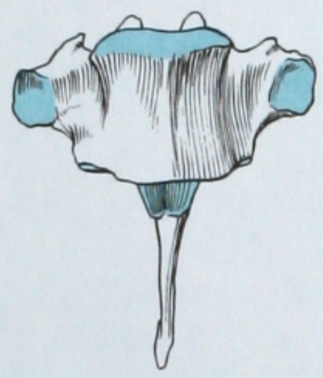
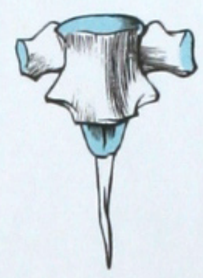
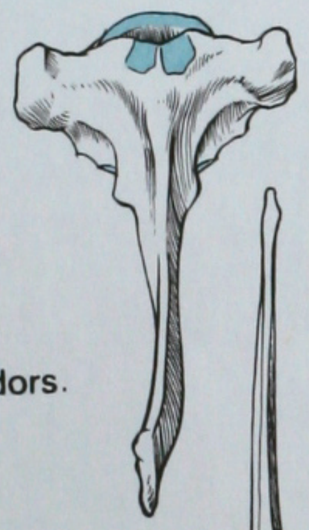
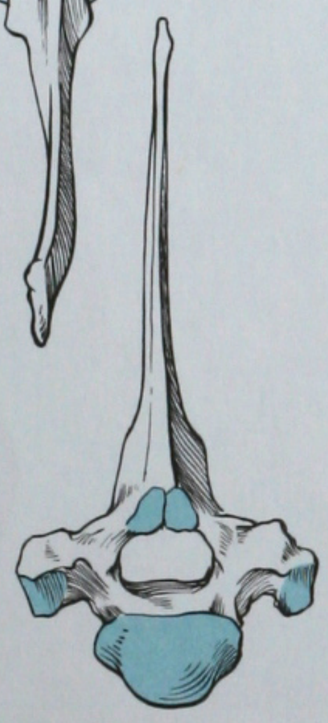
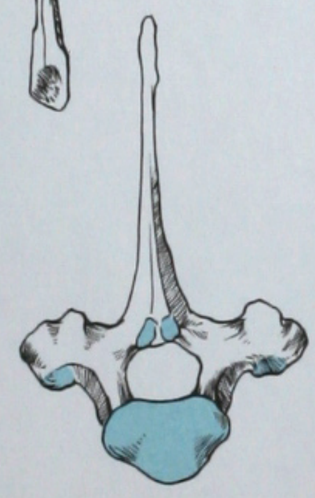
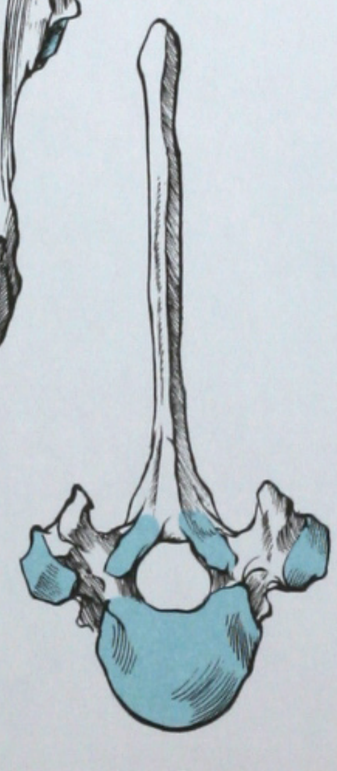
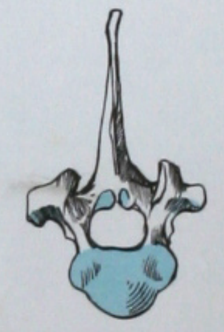
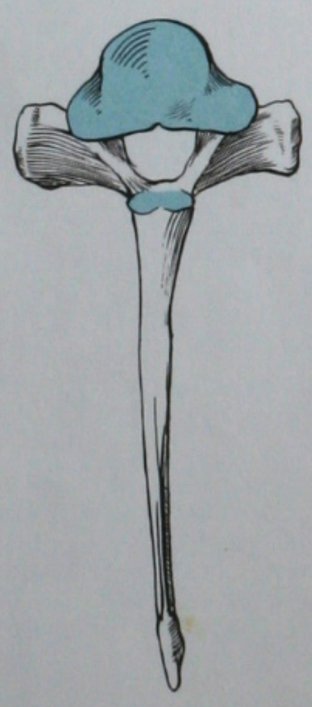
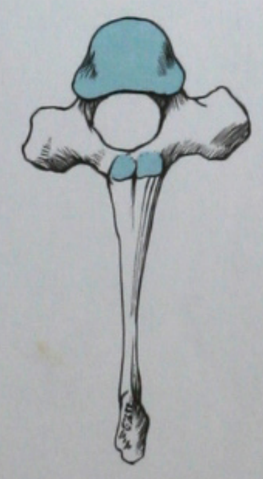
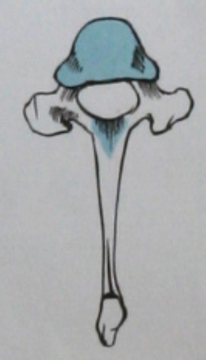
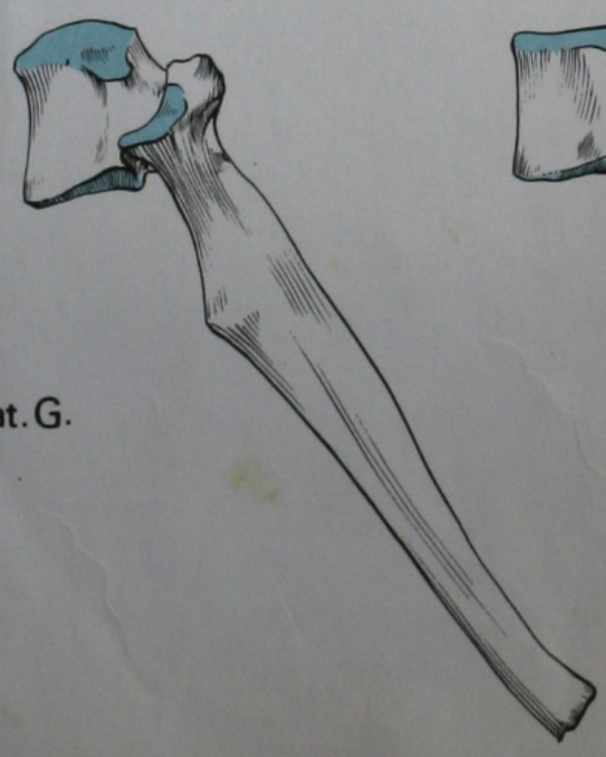
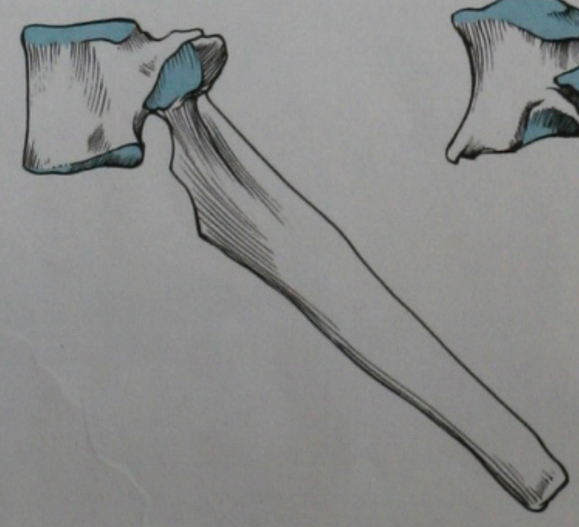
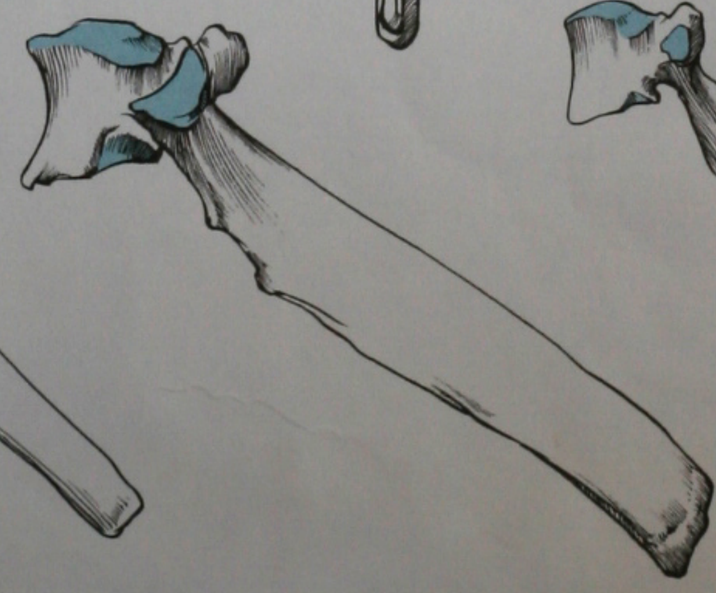
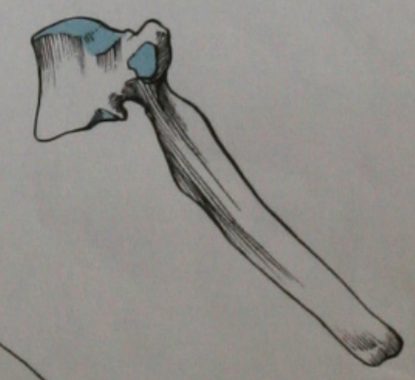
vue caud.

vue lat. G.

RACHIS

Dorsale

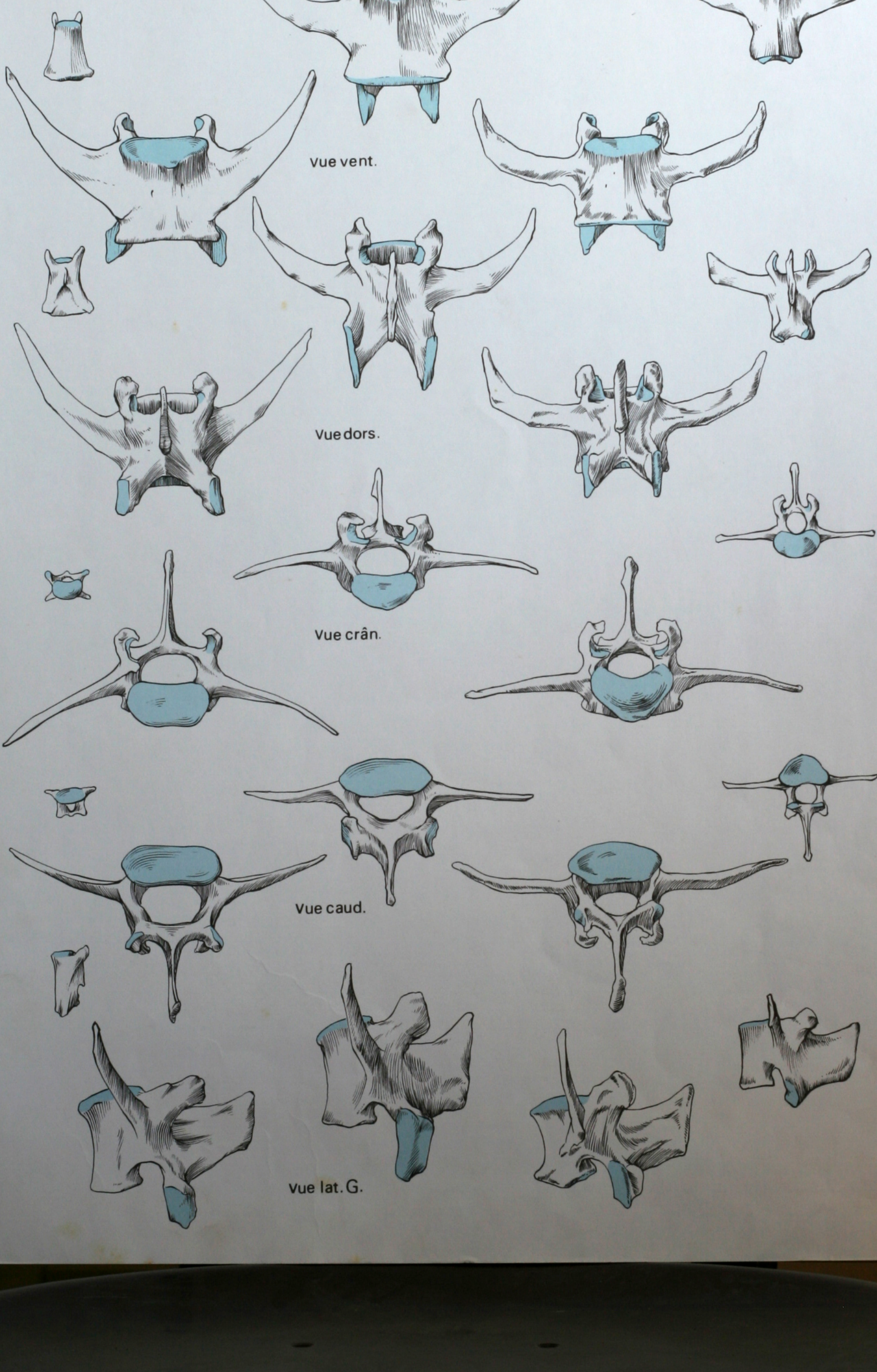
	6ème		5ème	6ème
	Bouquetin ♀	Chèvre	Mouflon	Mouton
vue vent.				
vue dors.				
vue crân.				
vue caud.				
vue lat. G.				

RACHIS

Lombaire Caudale

Bouquetin ♀ Chèvre Mouflon Mouton

C2 L6 L5 L6 L6



vue vent.

vue dors.

Vue crân.

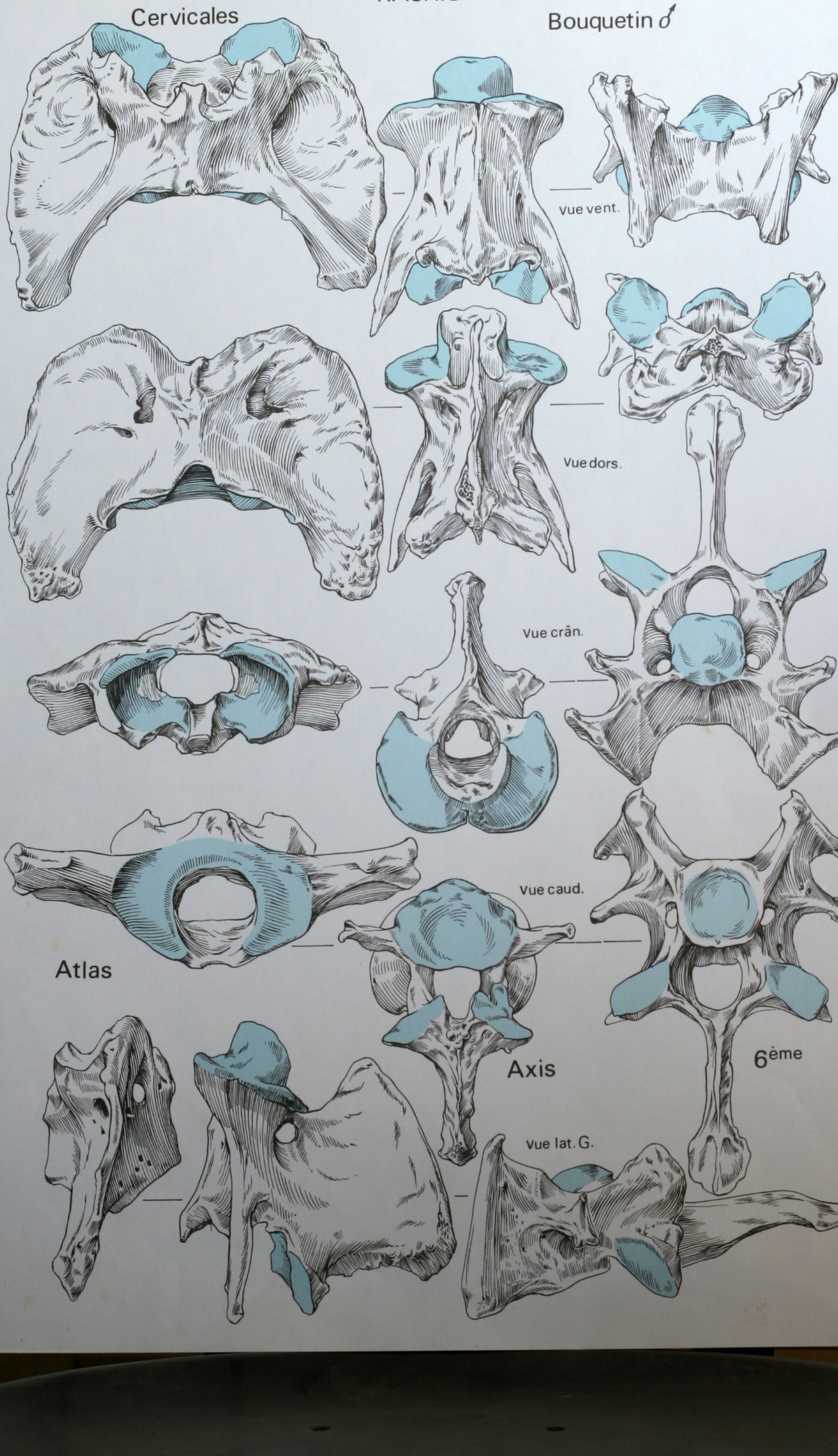
Vue caud.

vue lat. G.

RACHIS

Cervicales

Bouquetin ♂



vue vent.

vue dors.

vue crân.

vue caud.

Atlas

Axis

6ème

vue lat. G.

RACHIS

Bouquetin ♂

4ème Lombaire

vue vent.

vue dors.

5ème Lombaire

vue crân.

vue caud.

vue lat. G.

6ème Dorsale

vue vent.

vue dors.

vue caud.

vue lat. G.

vue crân.

2ème Caudale

vue vent.

vue dors.

vue caud.

vue lat. G.

Sacrum

vue lat. G.

RACHIS

Cervicales

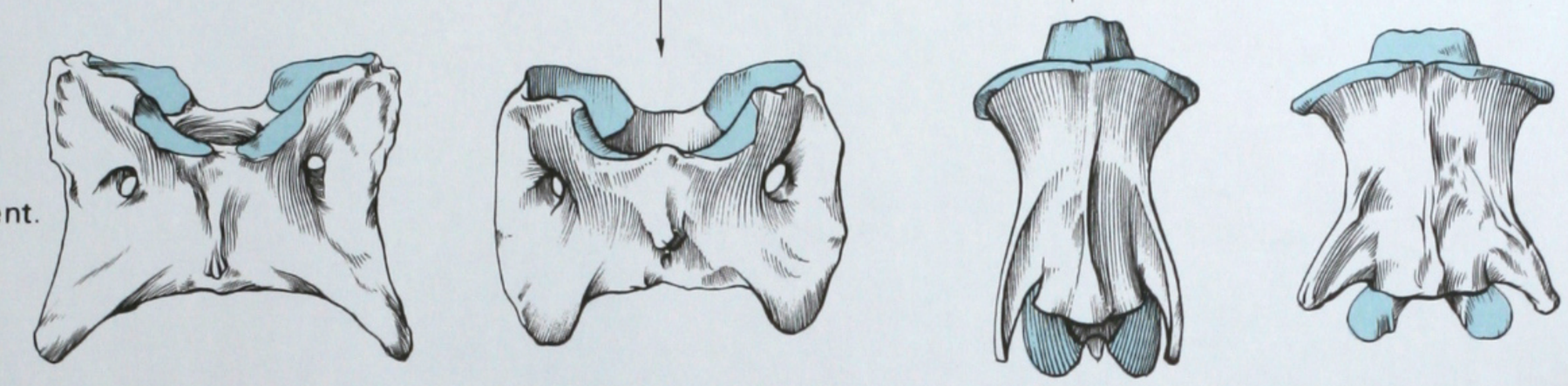
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Axis

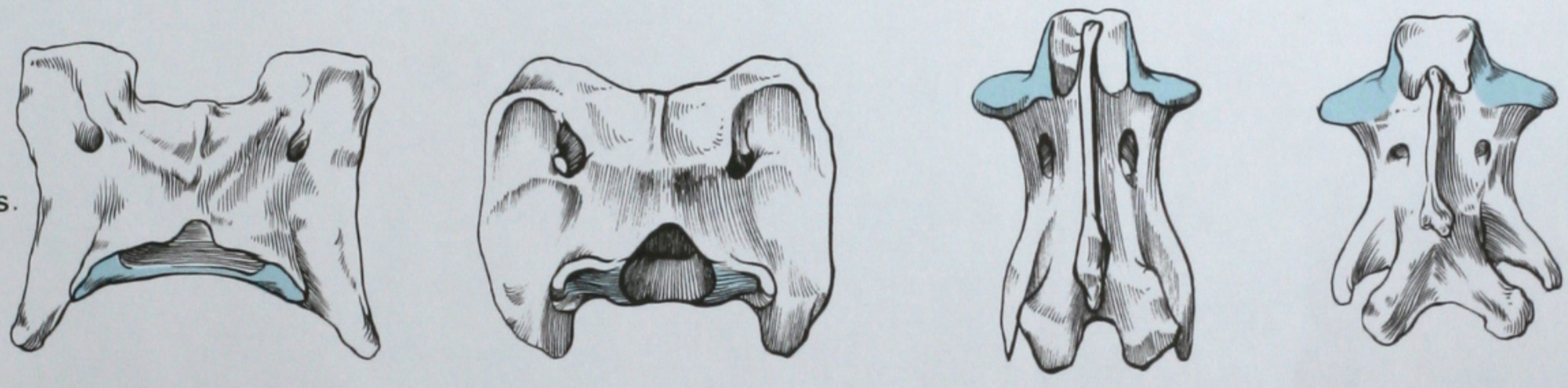
Saïga

Chamois

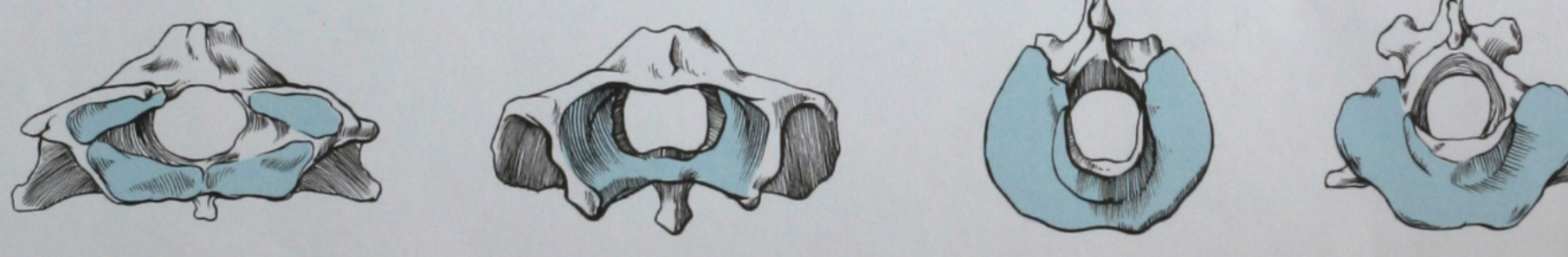
Saïga



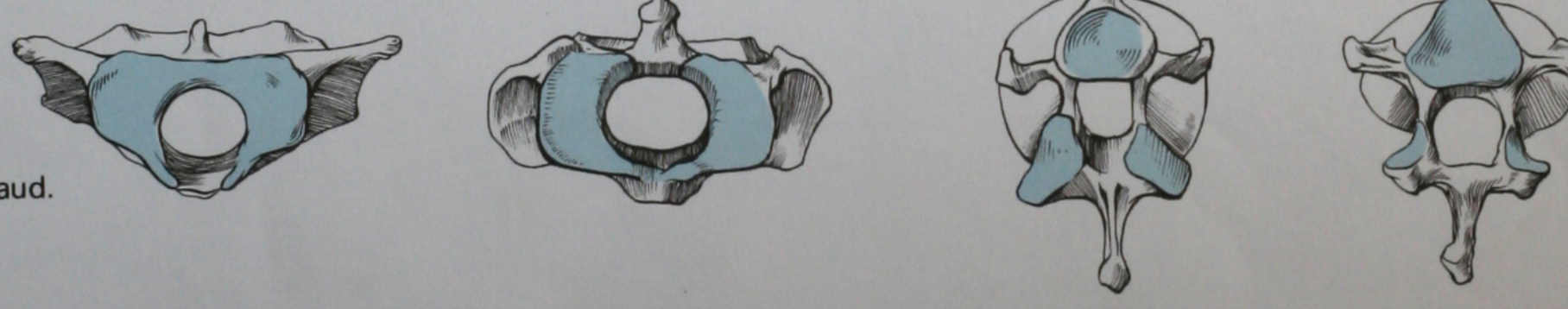
vue vent.



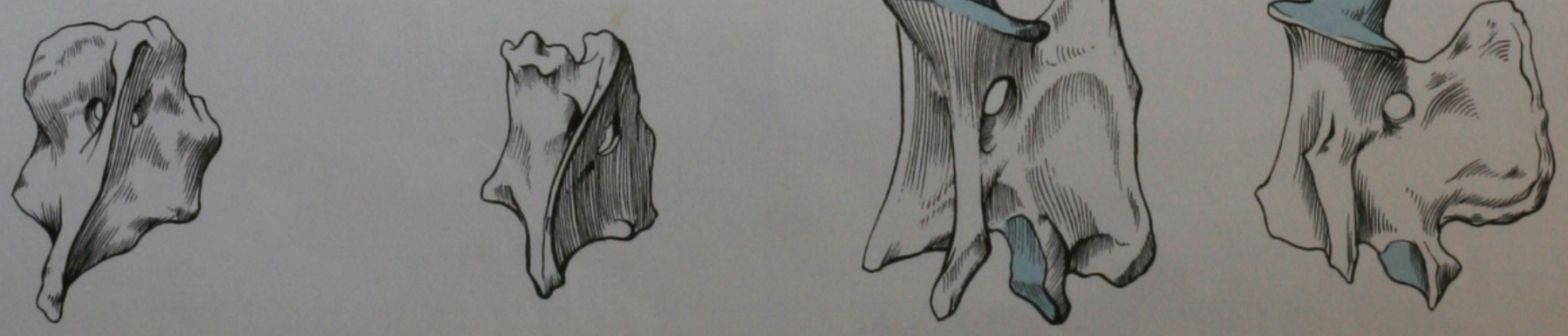
vue dors.



Vue crân.



Vue caud.

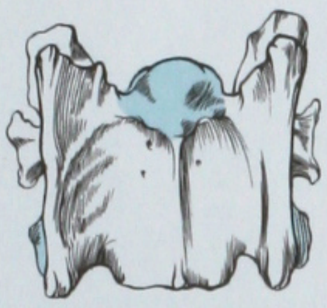


vue lat. G.

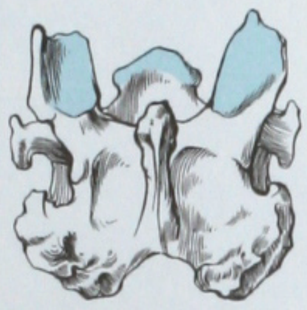
RACHIS

Cervicales C6

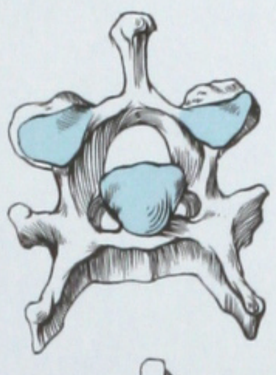
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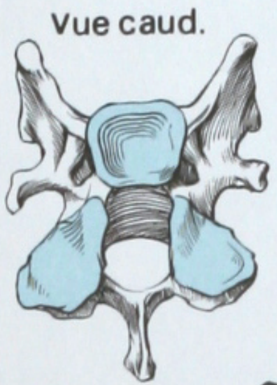
Vue dors.



Vue crân.

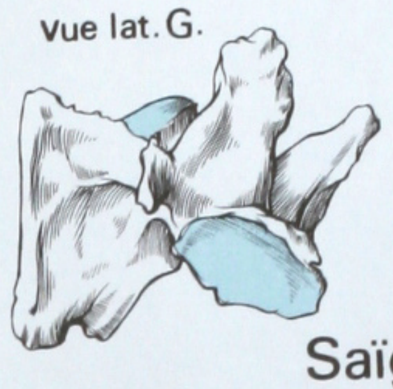


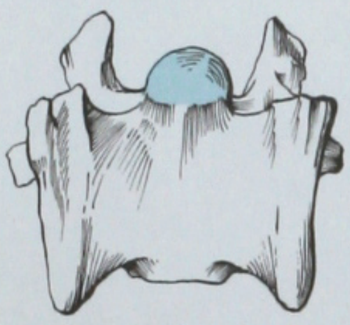
Vue caud.

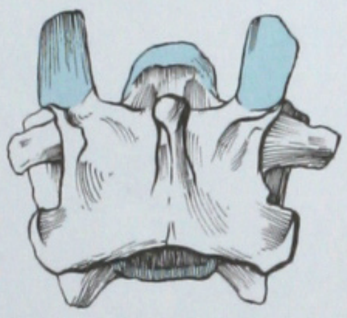


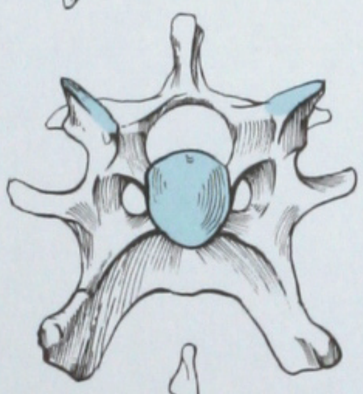
Vue lat. G.

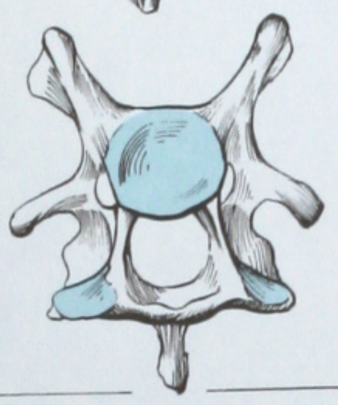
Chamois



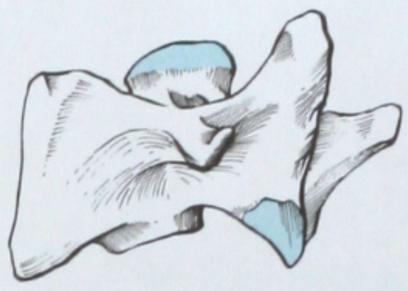






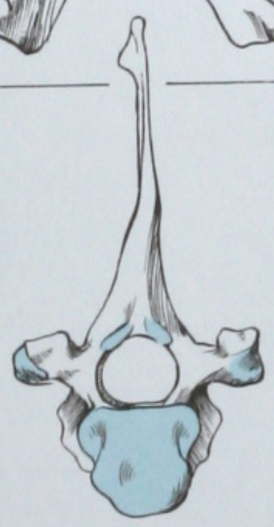


Saïga



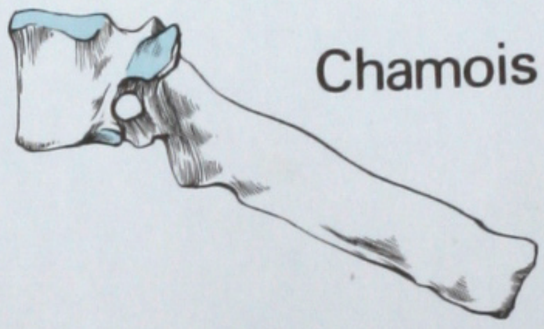








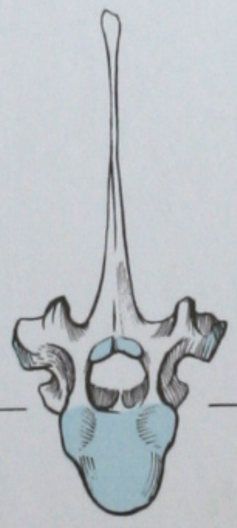
Chamois



Dorsale D6





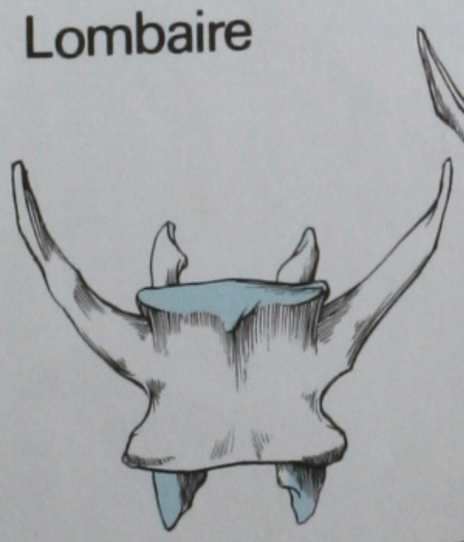


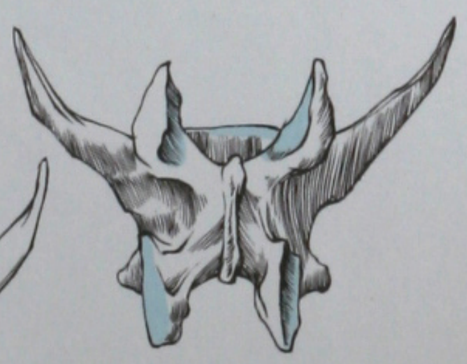


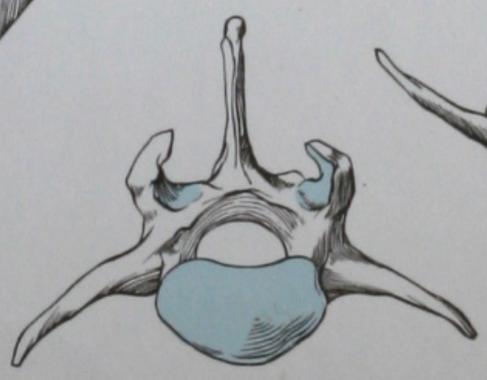
Saïga

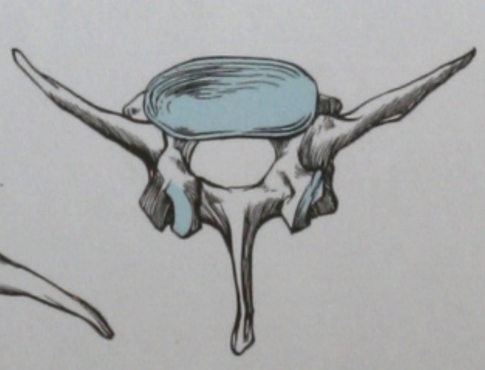


Lombaire

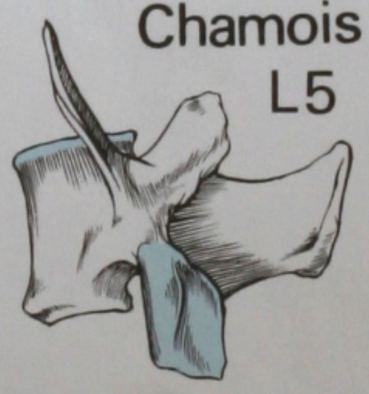


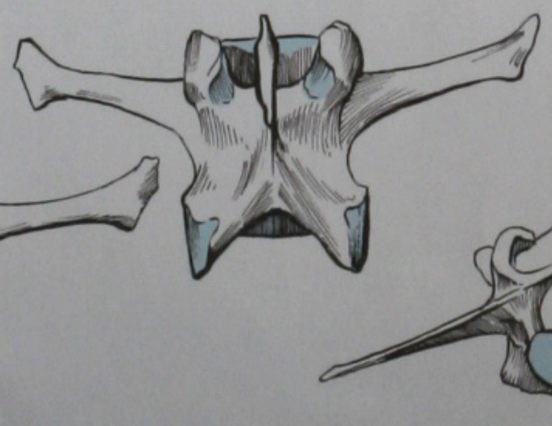


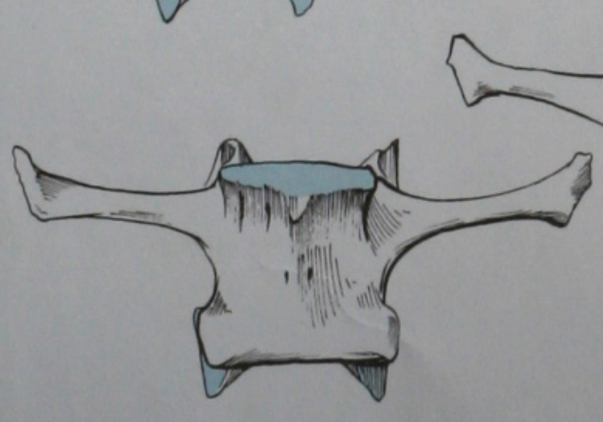


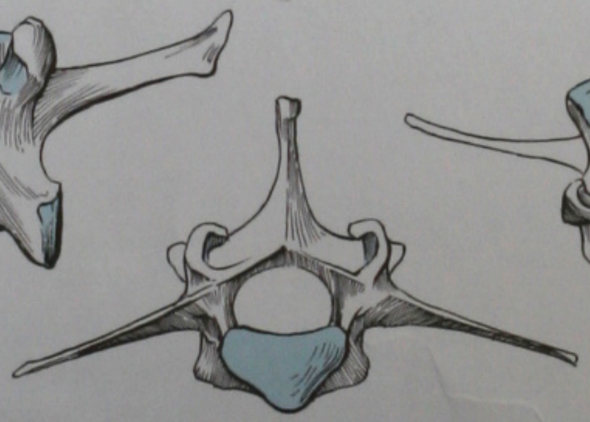


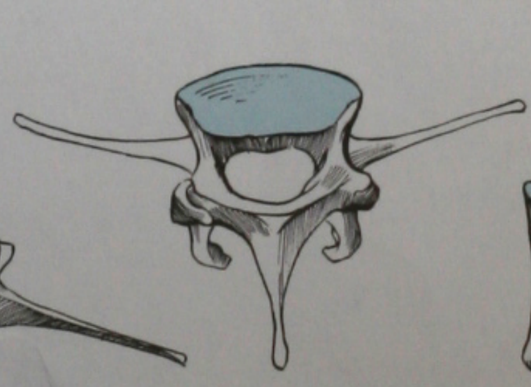
Chamois L5











Saïga L6







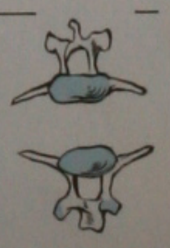


C²2





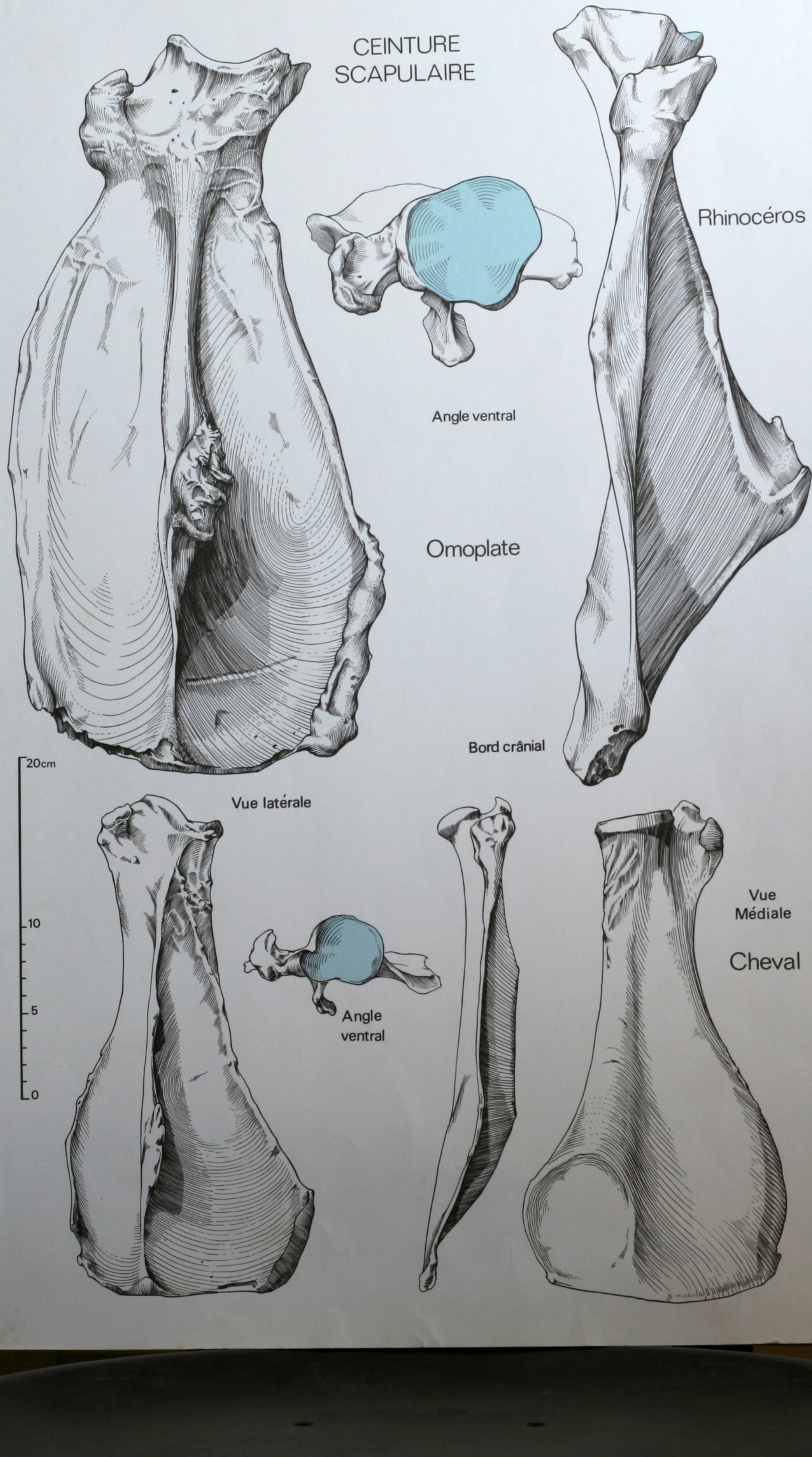




Chamois

Saïga

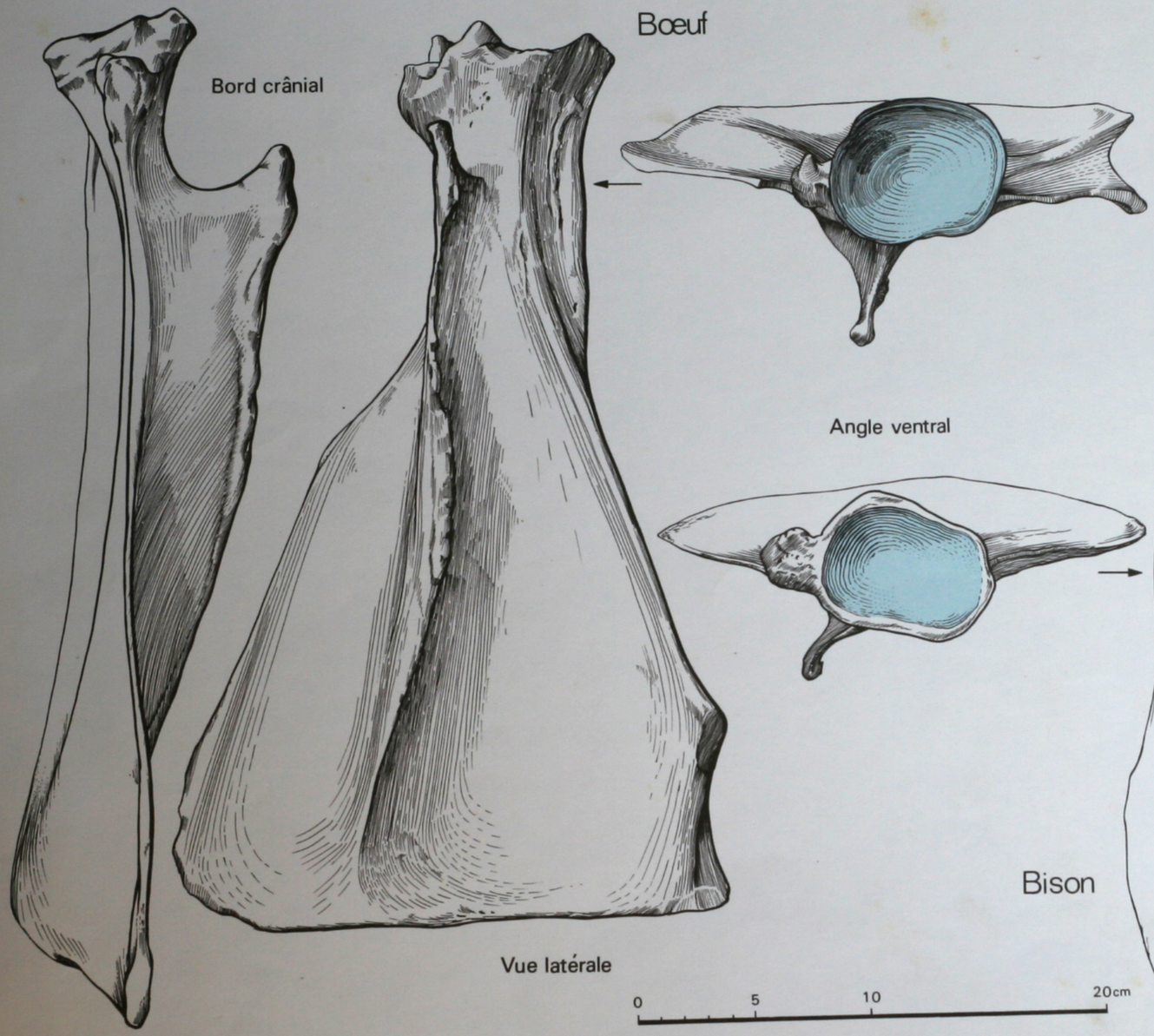
CEINTURE SCAPULAIRE



CEINTURE SCAPULAIRE

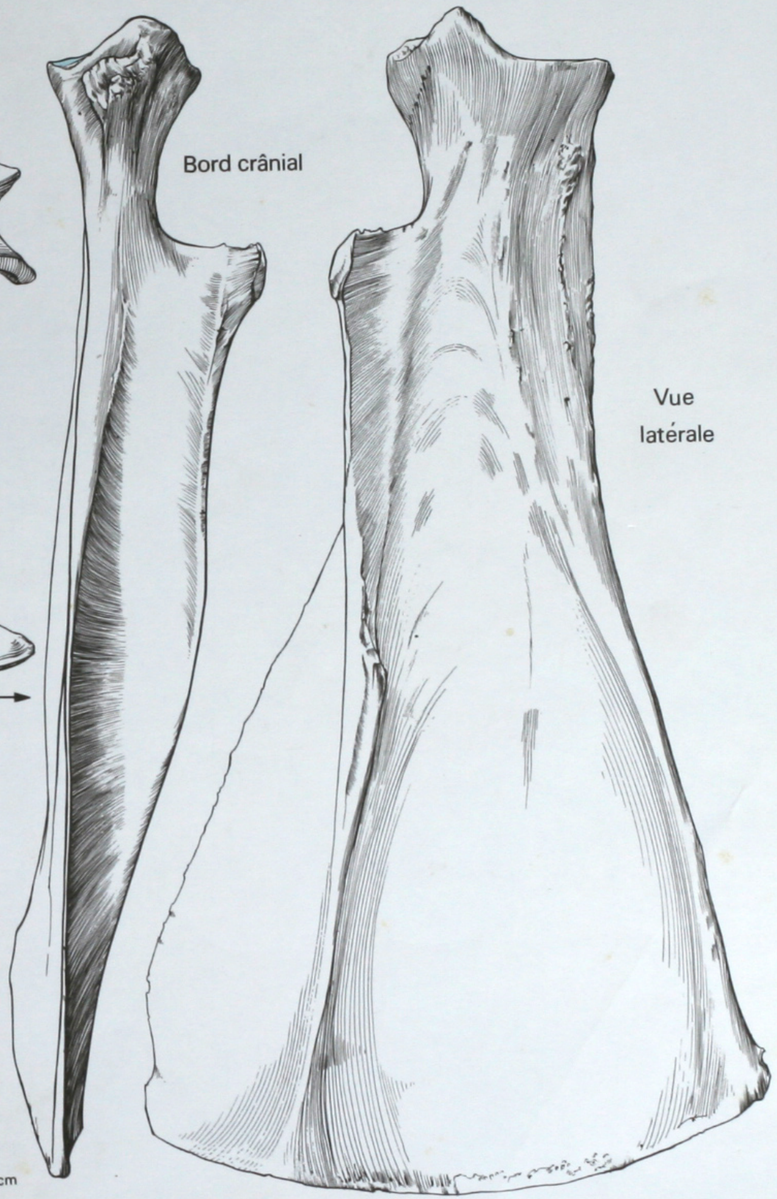
Omoplate D.

Bœuf



Vue latérale

Bison



Vue latérale

0 5 10 20cm

Omoplate D.

Vue latérale

Bord crânial

Vue médiale

Renne

CEINTURE SCAPULAIRE

10cm

5

0

Cerf

CEINTURE SCAPULAIRE

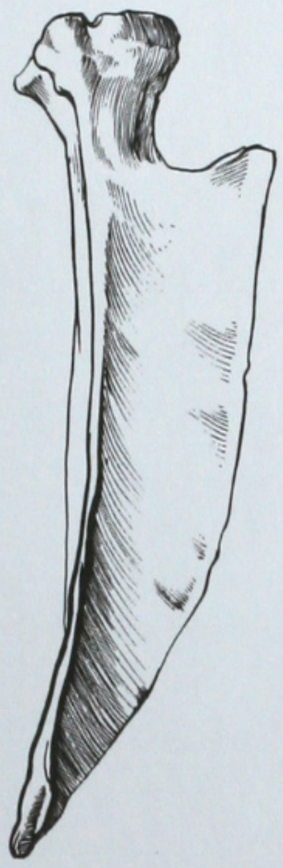
Omoplate D.

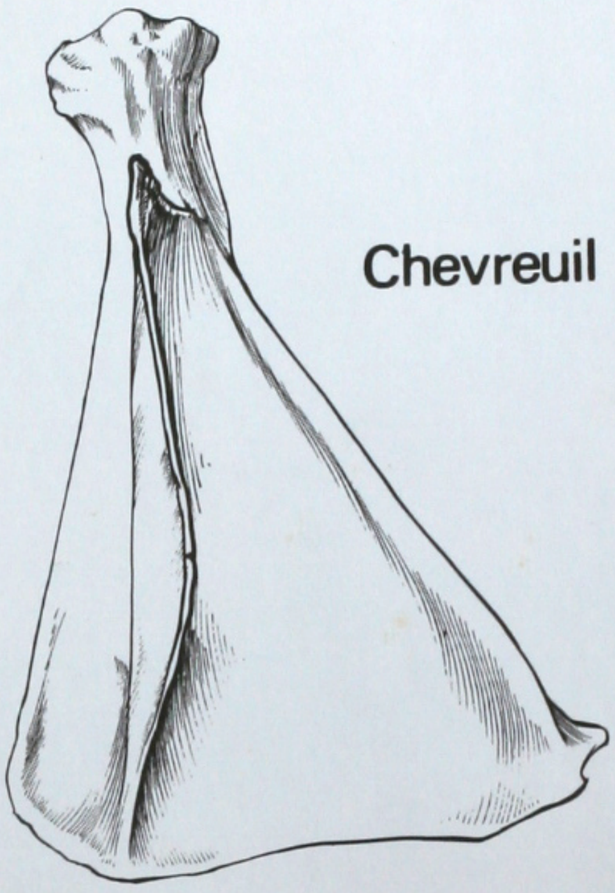
Vue médiale

Bord crânial

Vue latérale



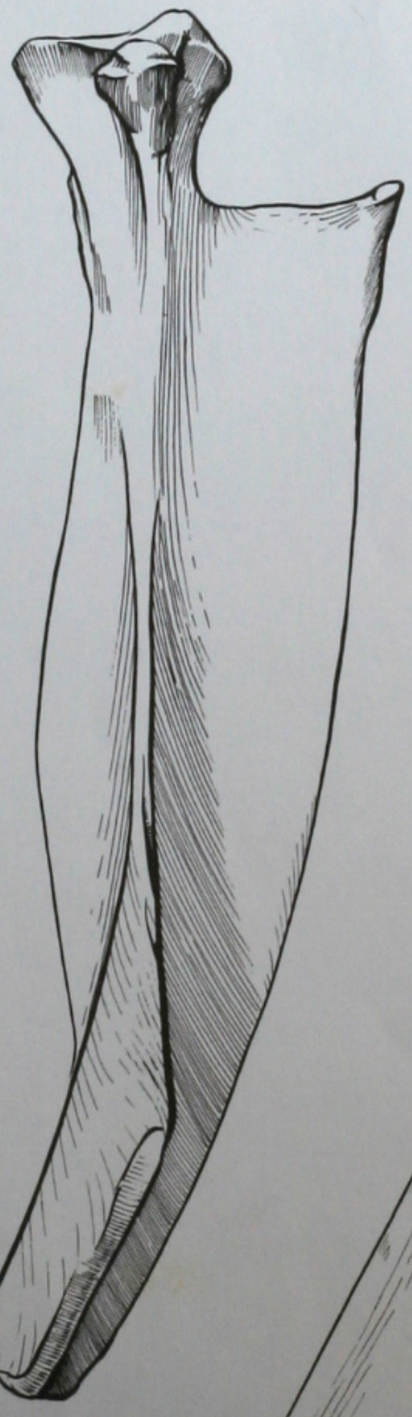


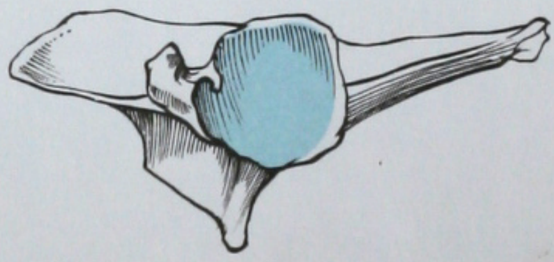


Chevreuil

Angle ventral









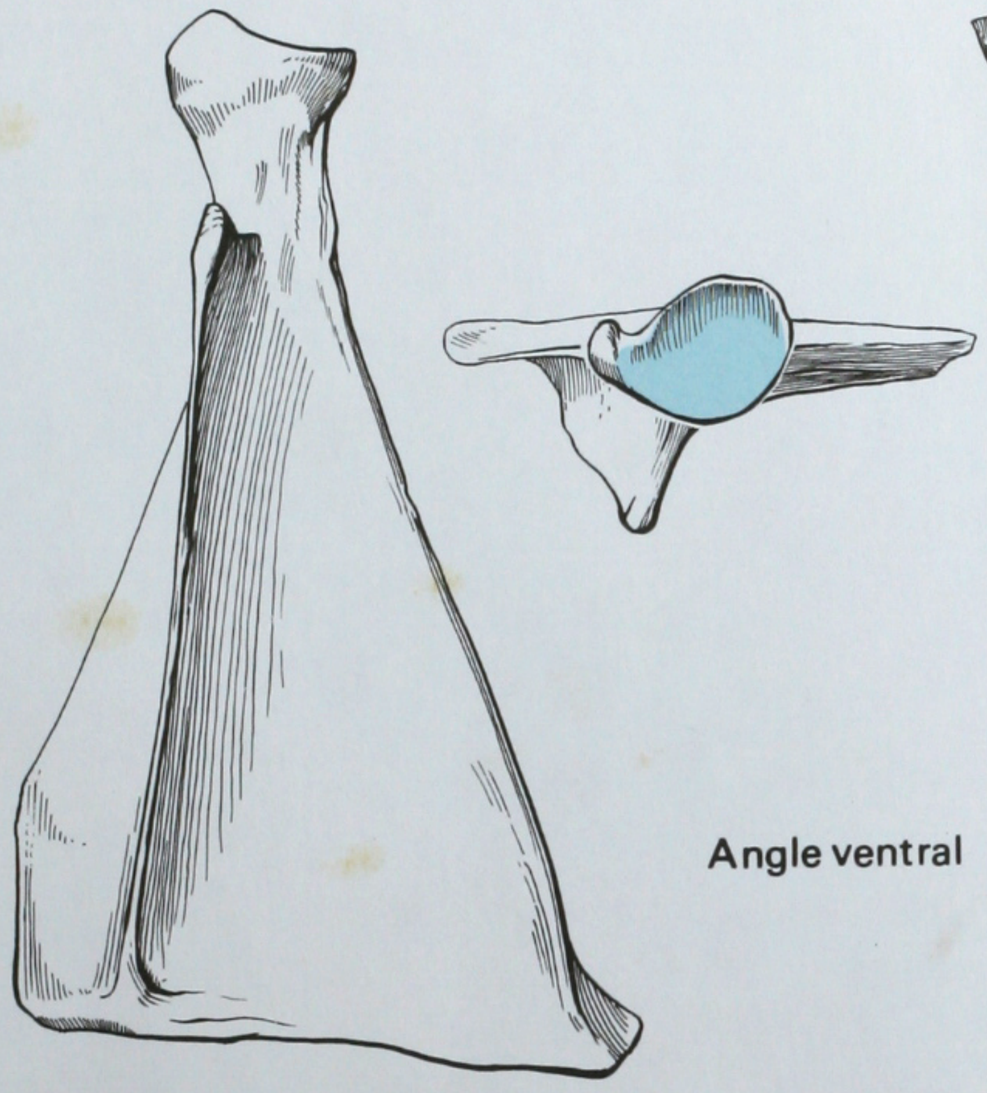
Daim

CEINTURE SCAPULAIRE Omoplate D.

Vue latérale

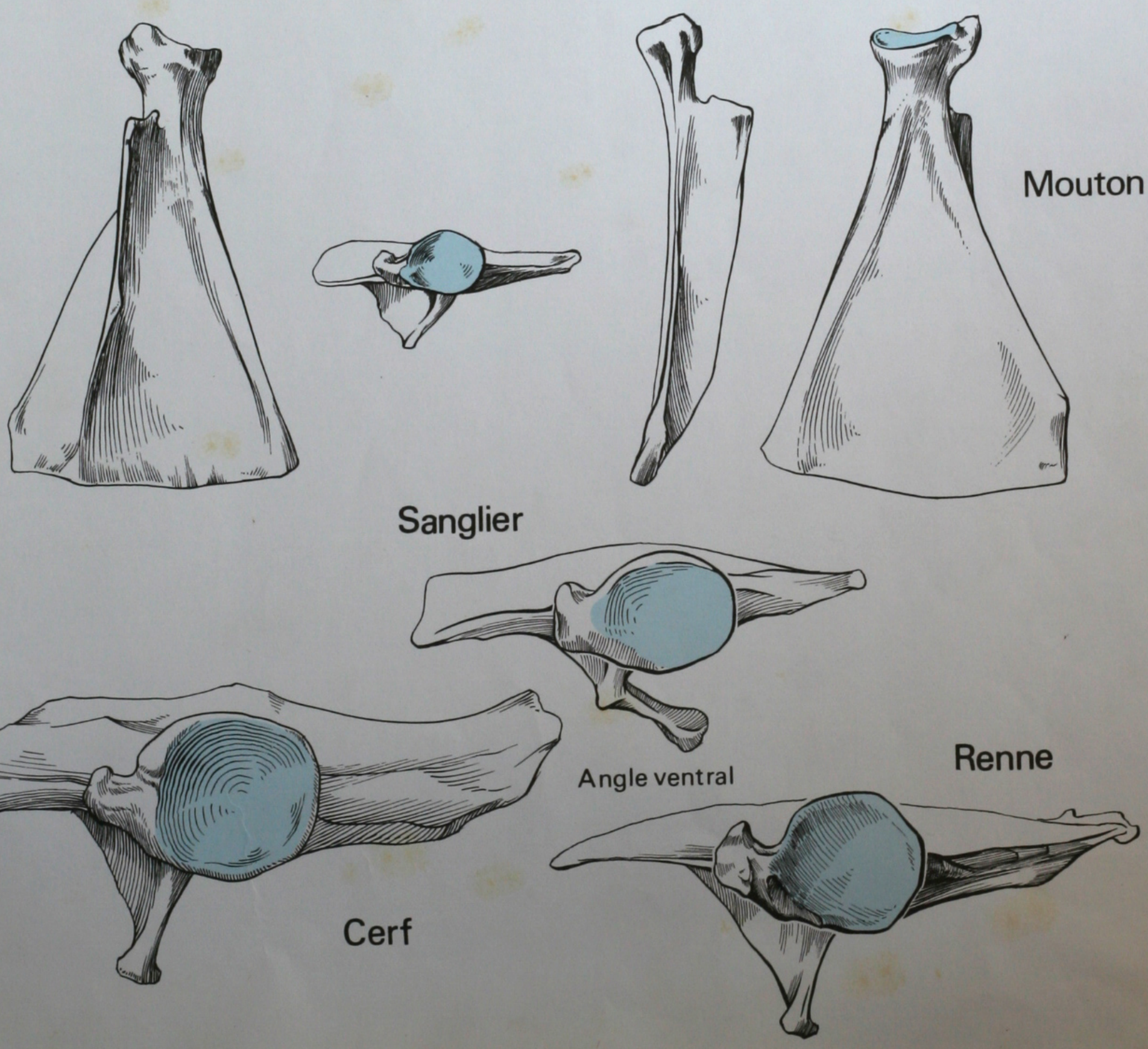
Bord crânial

Vue médiale



Angle ventral

Chèvre



Mouton

Sanglier

Angle ventral

Renne

Cerf

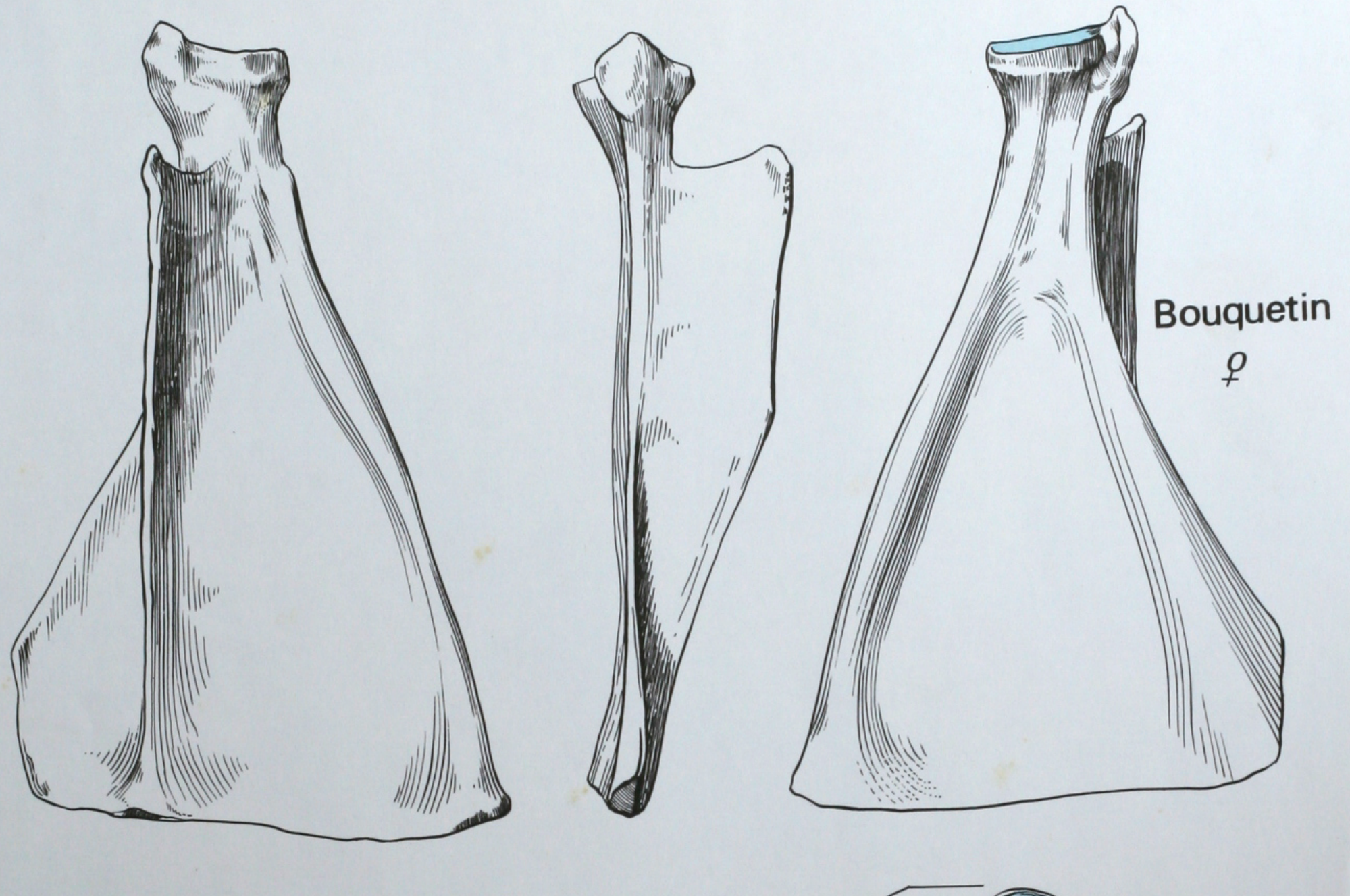
CEINTURE SCAPULAIRE

Omoplate D.

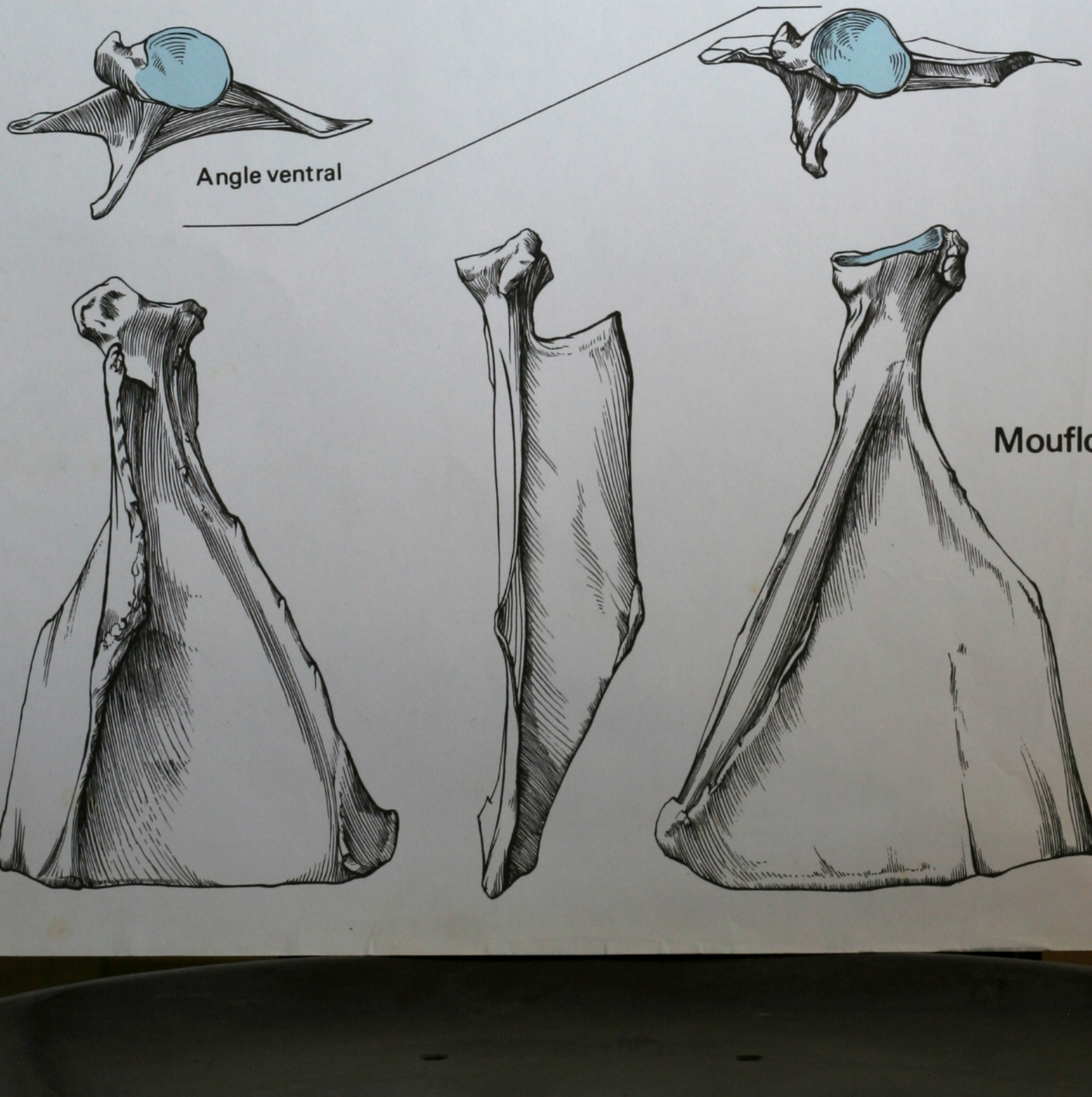
Vue latérale

Bord crânial

Vue médiale

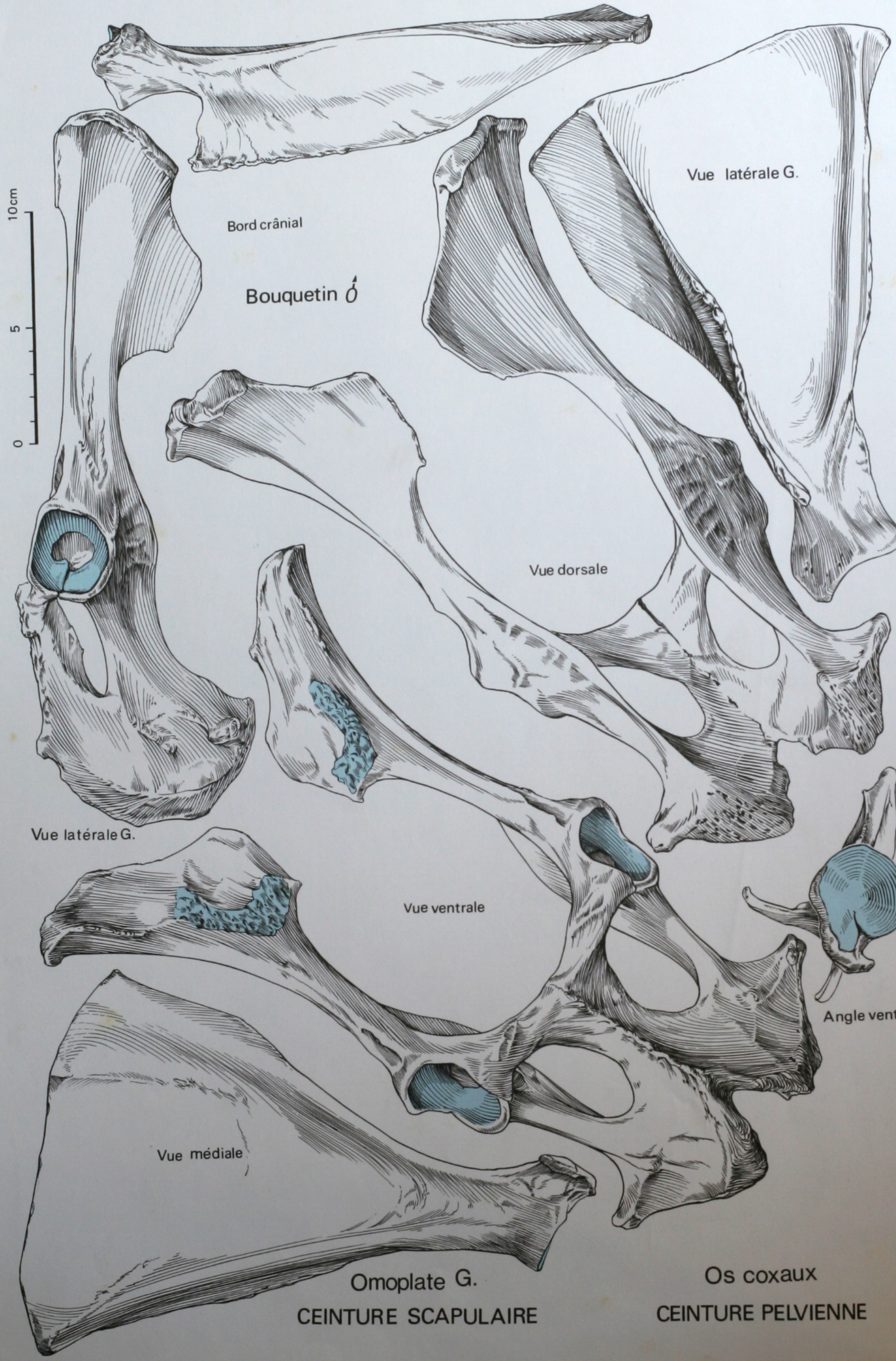


Bouquetin
♀



Angle ventral

Mouflon



Omoplate G.

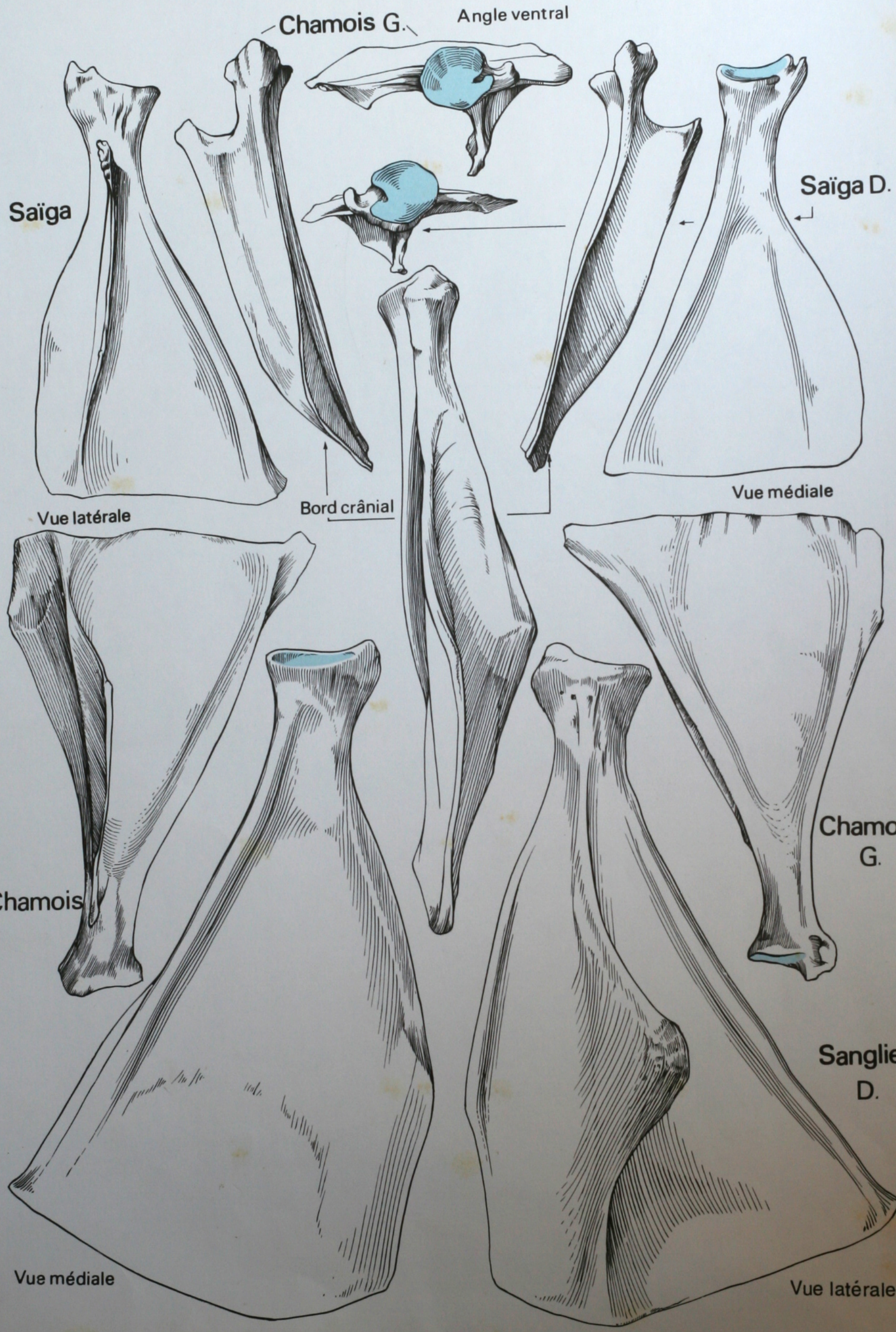
CEINTURE SCAPULAIRE

Os coxaux

CEINTURE PELVIENNE

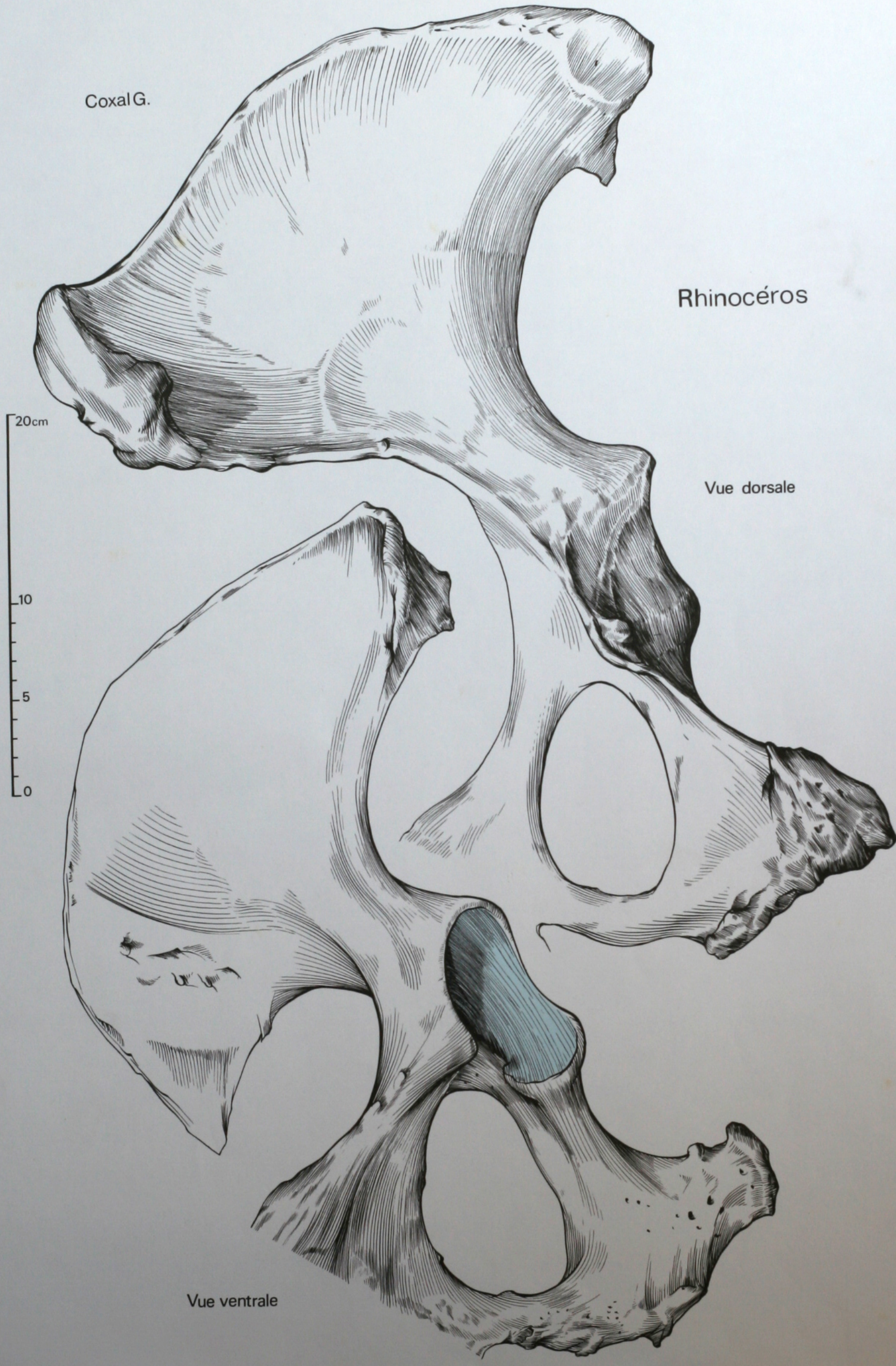
CEINTURE SCAPULAIRE

Omoplate



CEINTURE PELVIENNE

Coxal G.

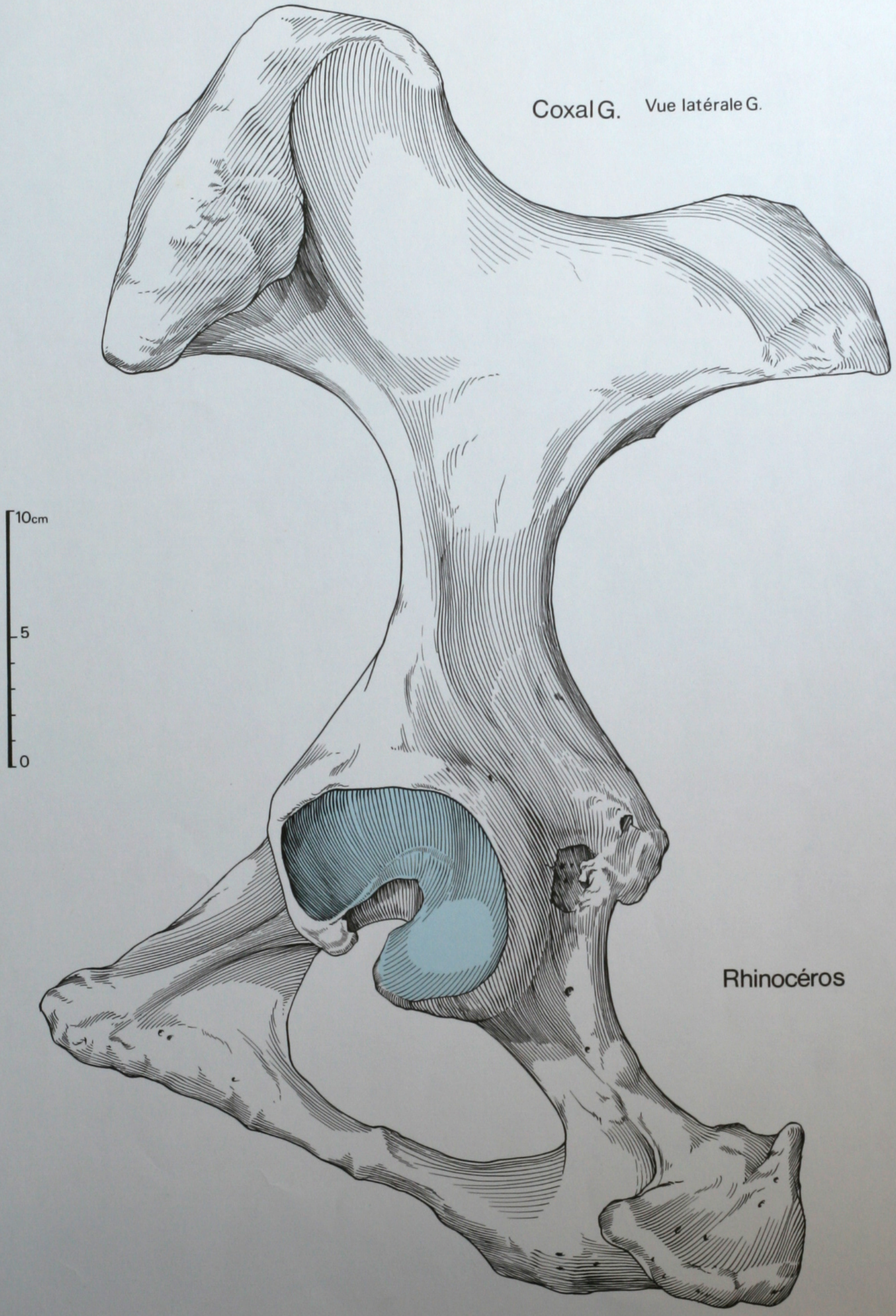


Rhinocéros

Vue dorsale

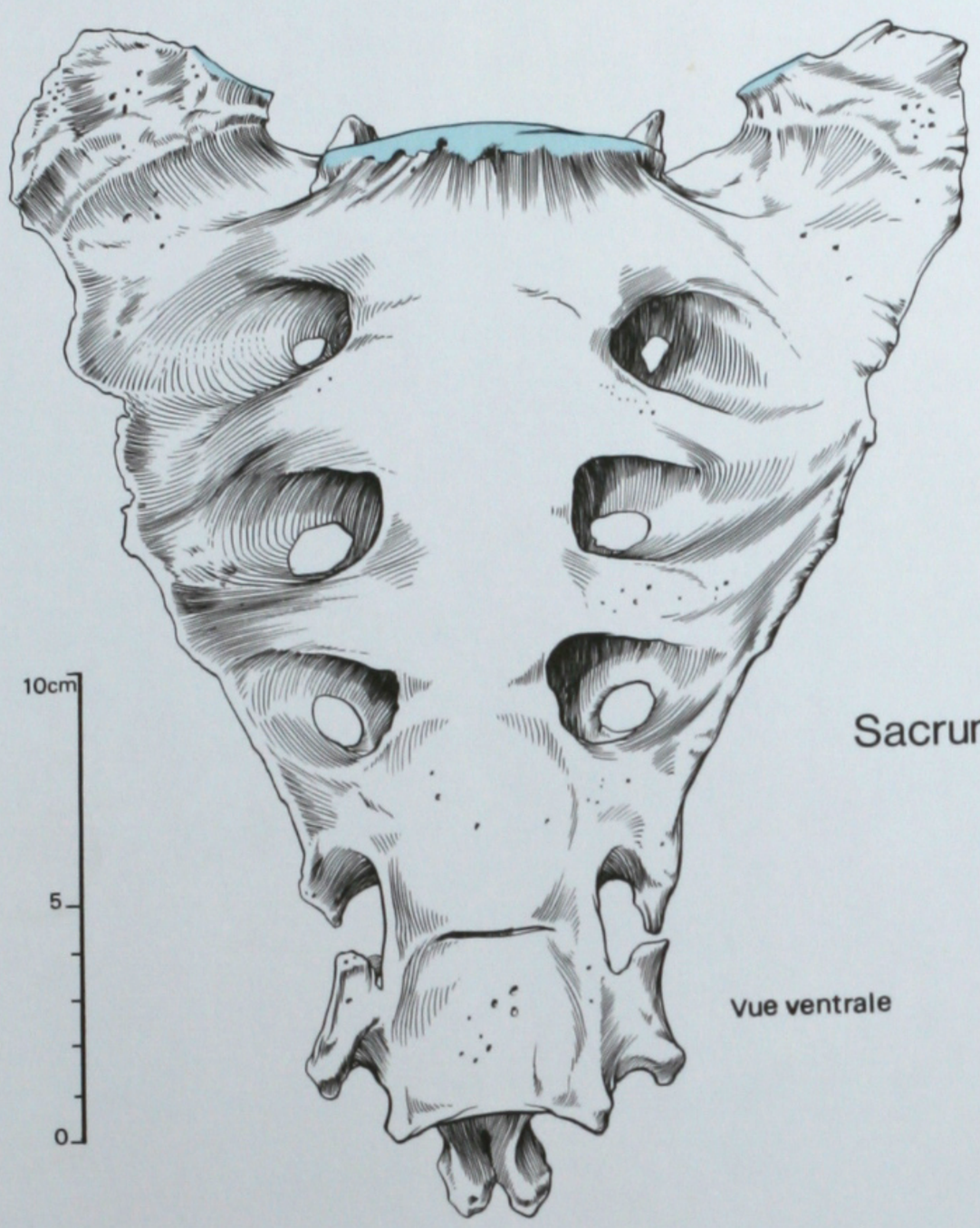
Vue ventrale

Coxal G. Vue latérale G.



Rhinocéros

CEINTURE PELVIENNE



Sacrum

Vue ventrale

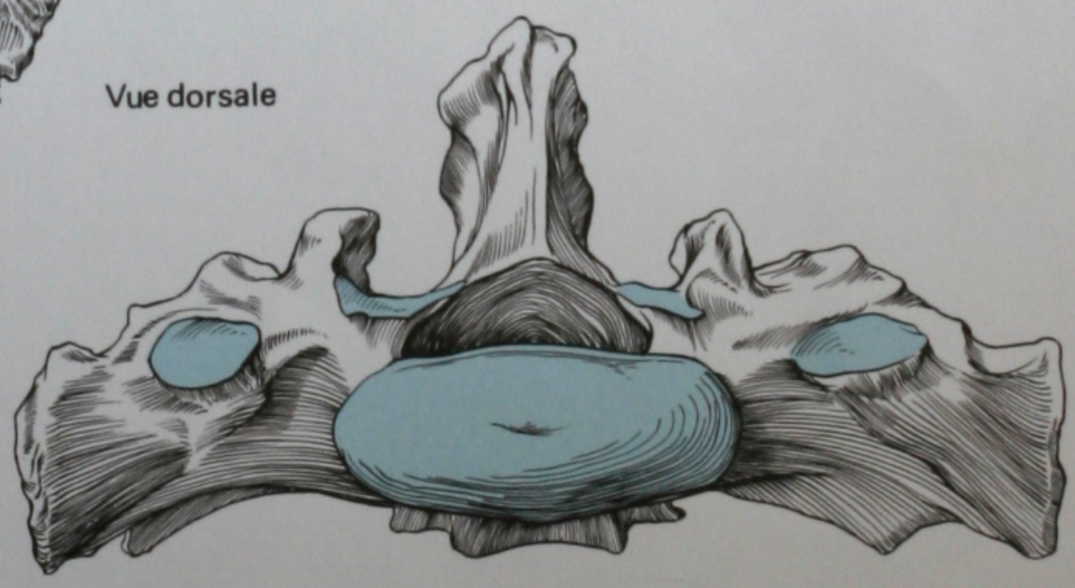


Vue latérale G.



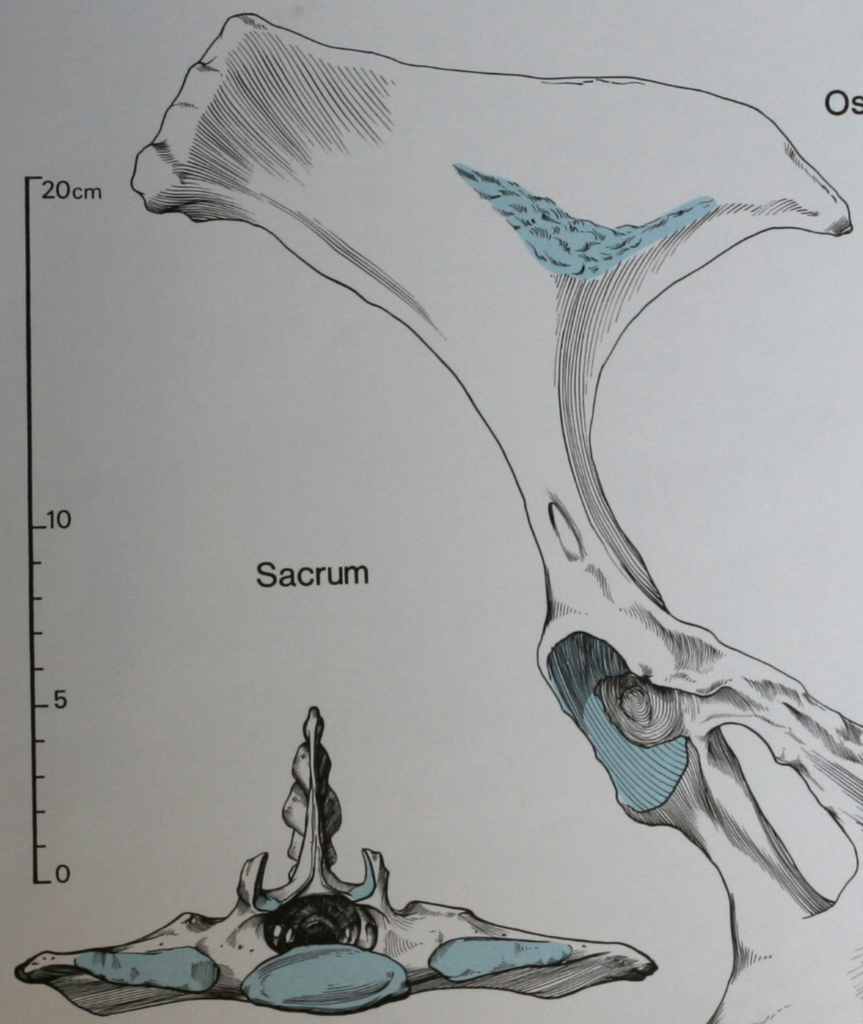
Rhinocéros

Vue dorsale



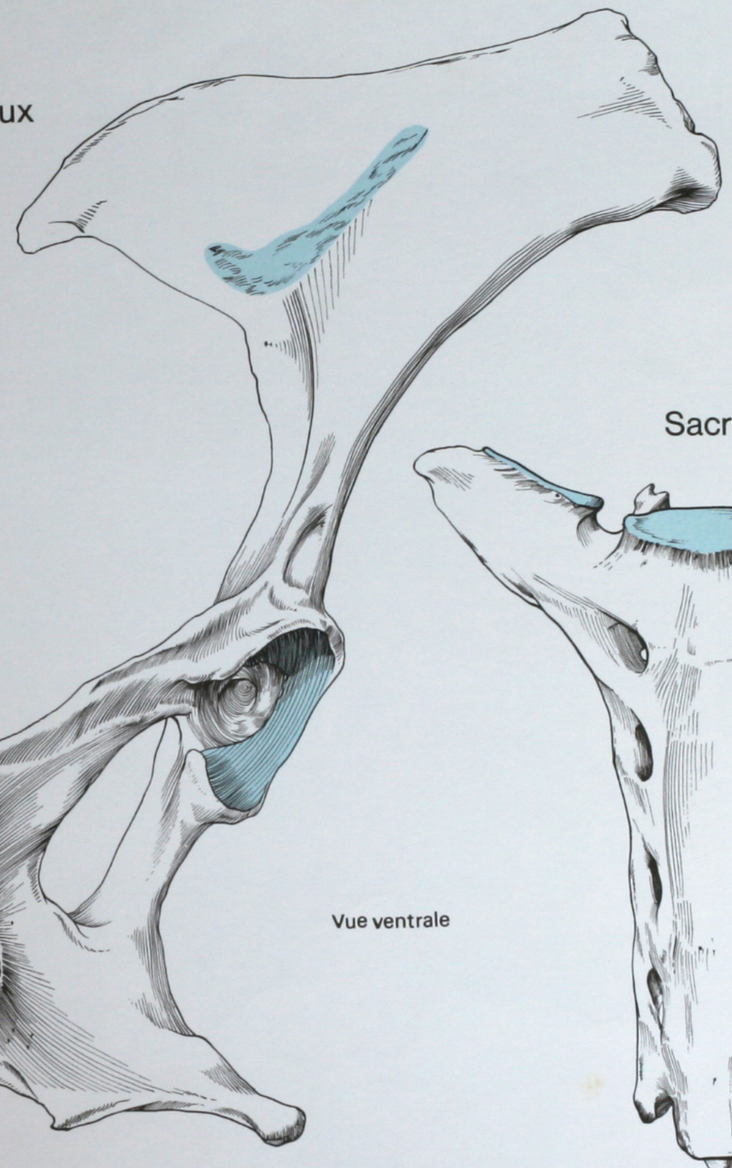
Vue crâniale

CEINTURE PELVIENNE



Vue crâniale

Os coxaux

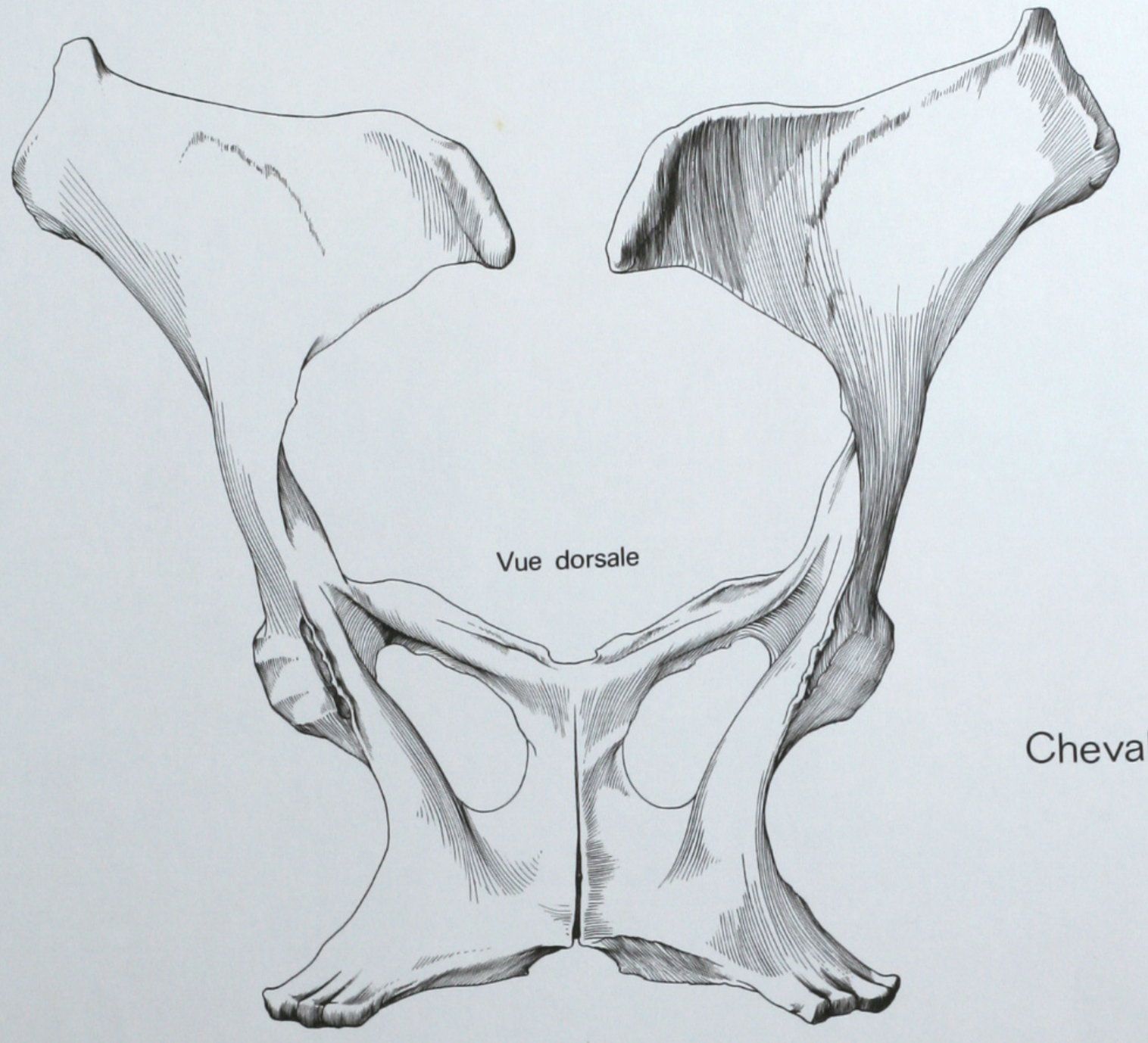


Vue ventrale

Sacrum

Cheval

CEINTURE PELVIENNE



Vue dorsale

Cheval

Sacrum

Os coxaux



Sacrum

Vue dorsale

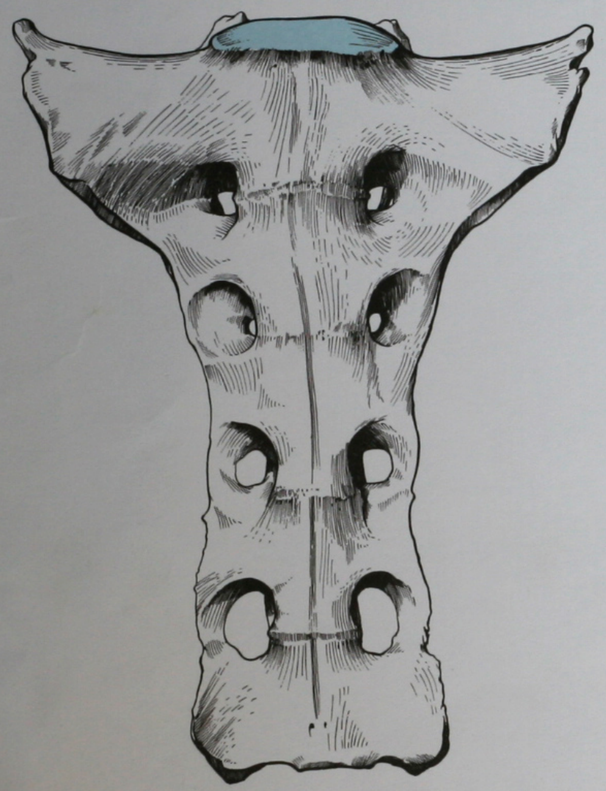
Vue latérale G.

0 5 10 20cm

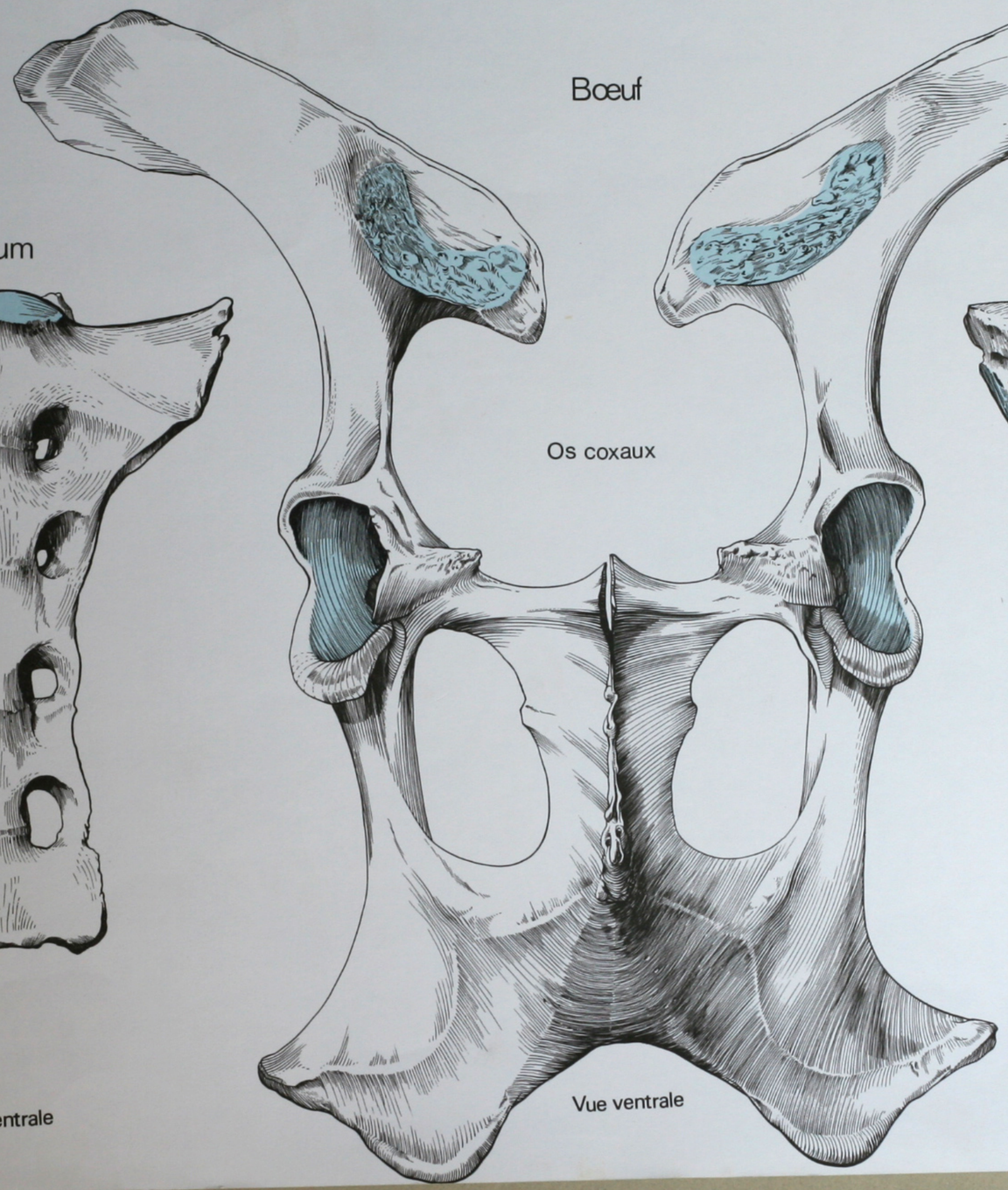
CEINTURE PELVIENNE

Bœuf

Sacrum



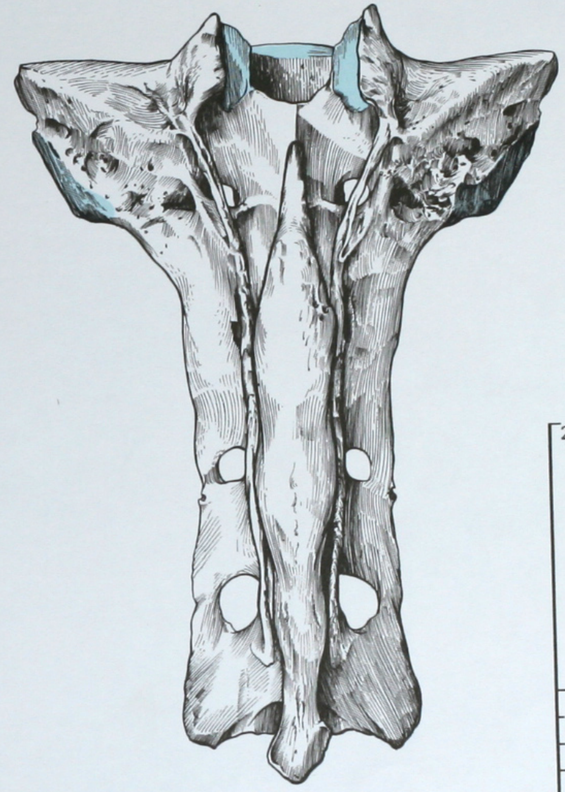
Vue ventrale



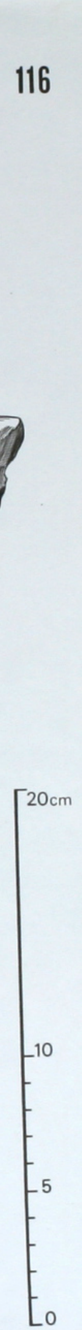
Os coxaux

Vue ventrale

Sacrum

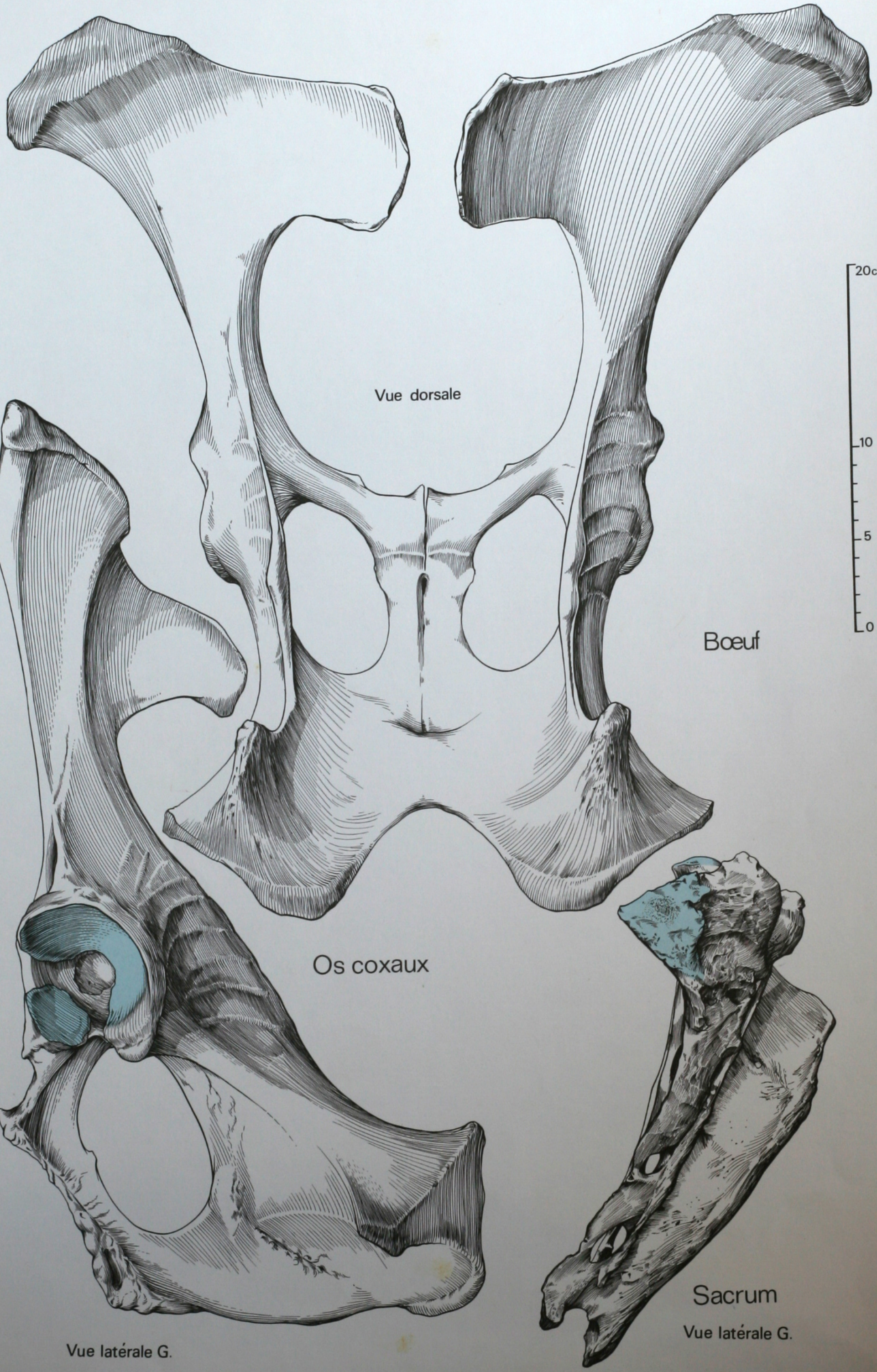


Vue dorsale



CEINTURE PELVIENNE

HERBIVORES



Vue dorsale

Bœuf

Os coxaux

Vue latérale G.

Sacrum

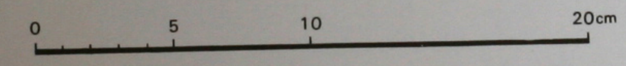
Vue latérale G.

CEINTURE PELVIENNE

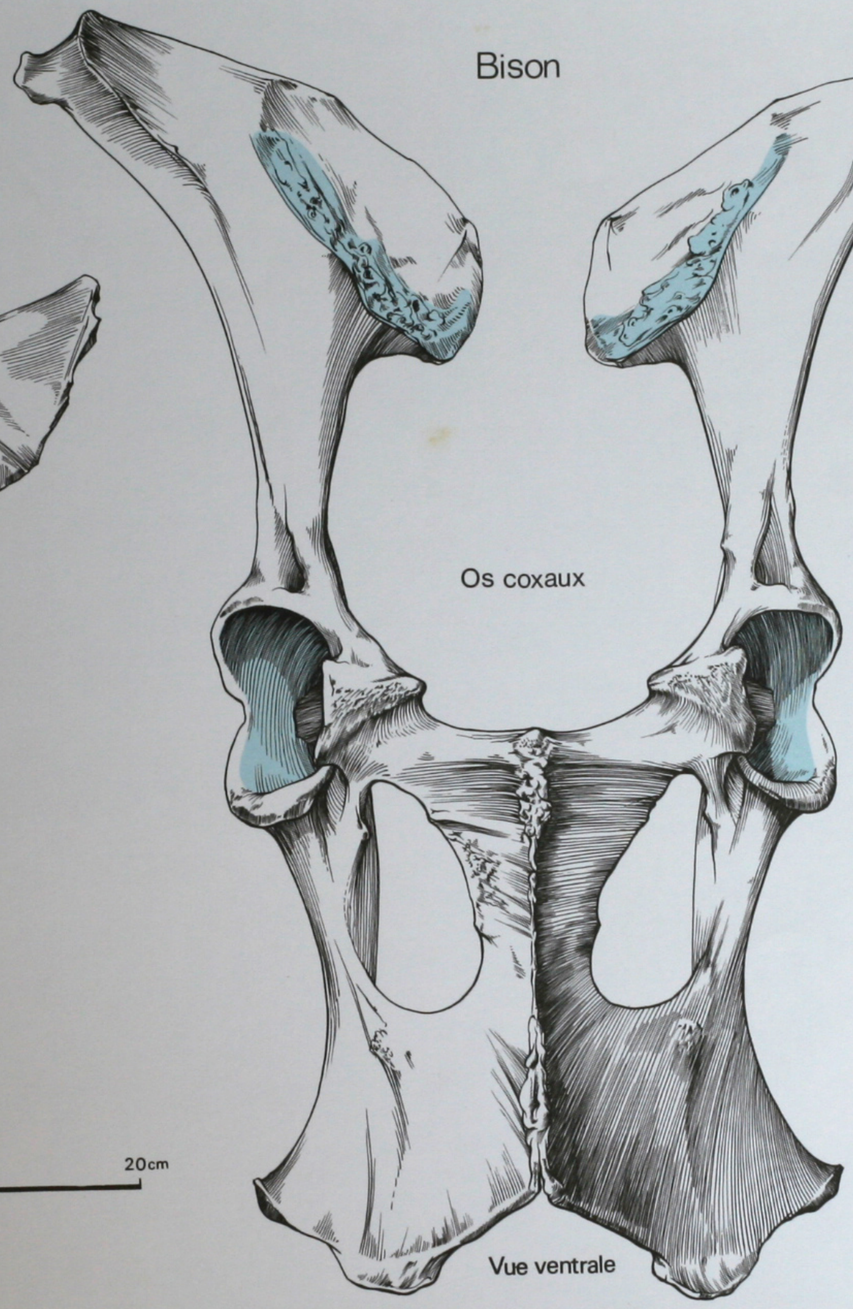
Sacrum



Vue ventrale



Bison



Os coxaux

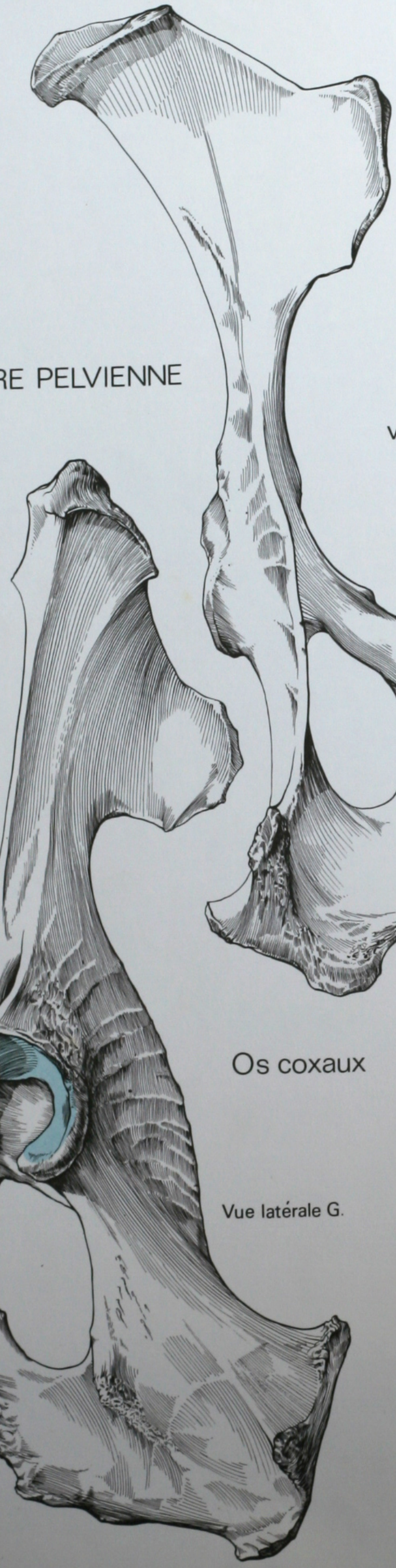
Vue ventrale

Sacrum

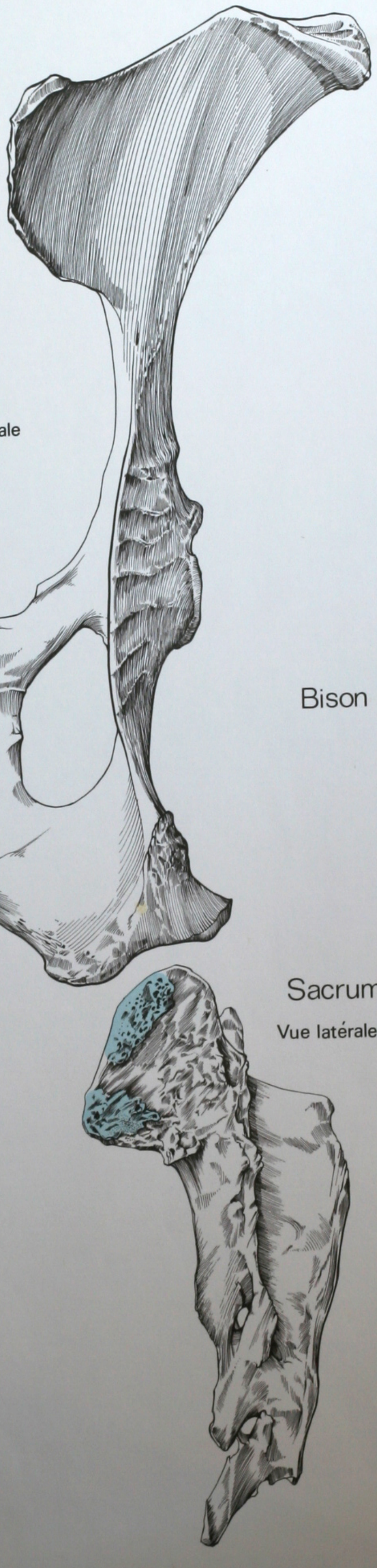


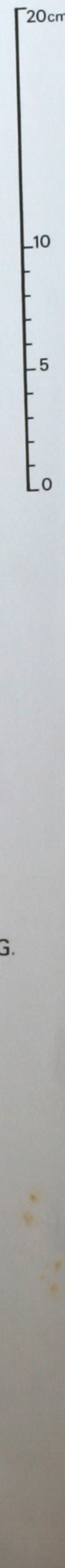
Vue dorsale

CEINTURE PELVIENNE



Vue dorsale





Bison

Os coxaux

Vue latérale G.

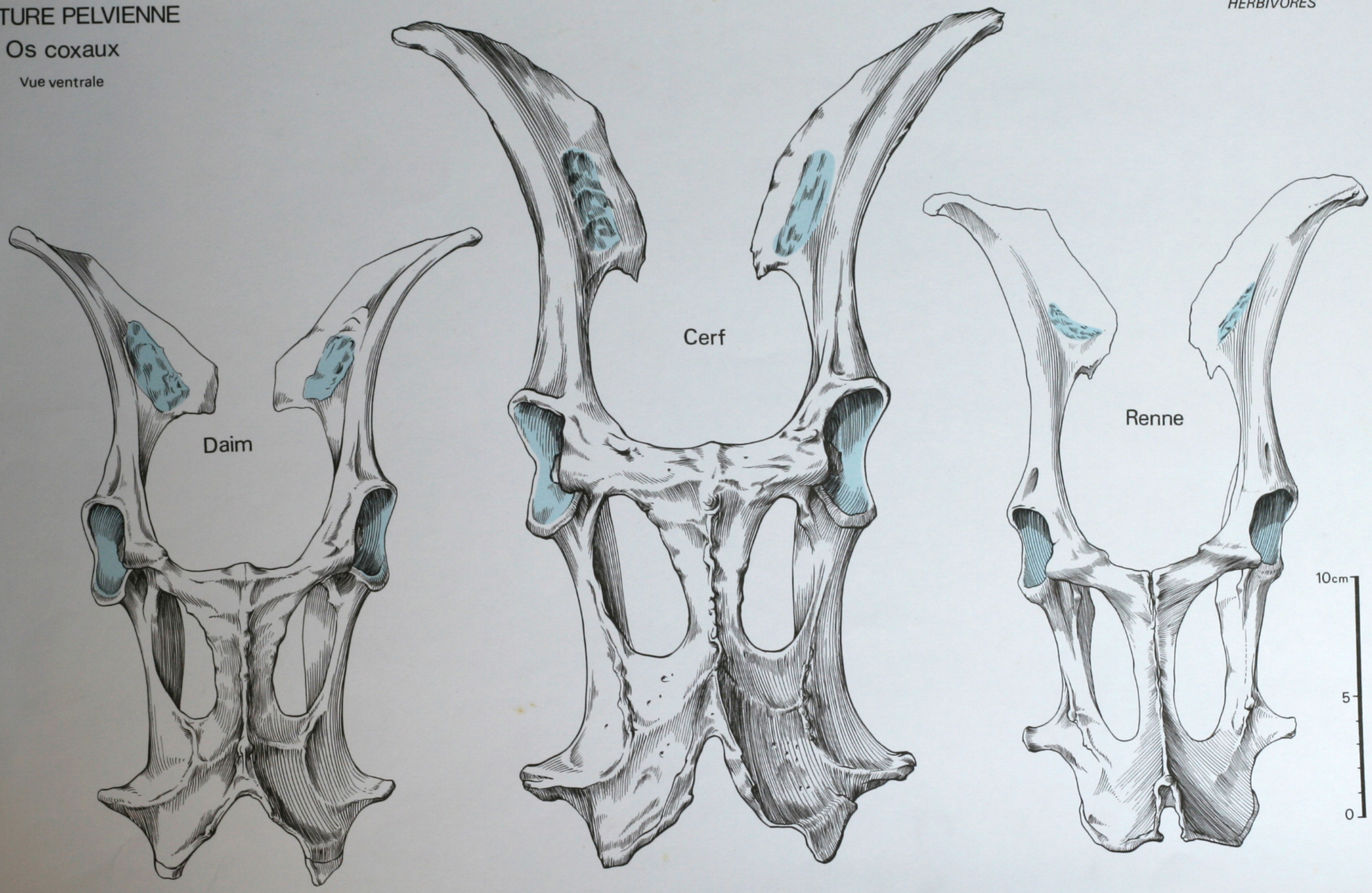
Sacrum

Vue latérale G.

CEINTURE PELVIENNE

Os coxaux

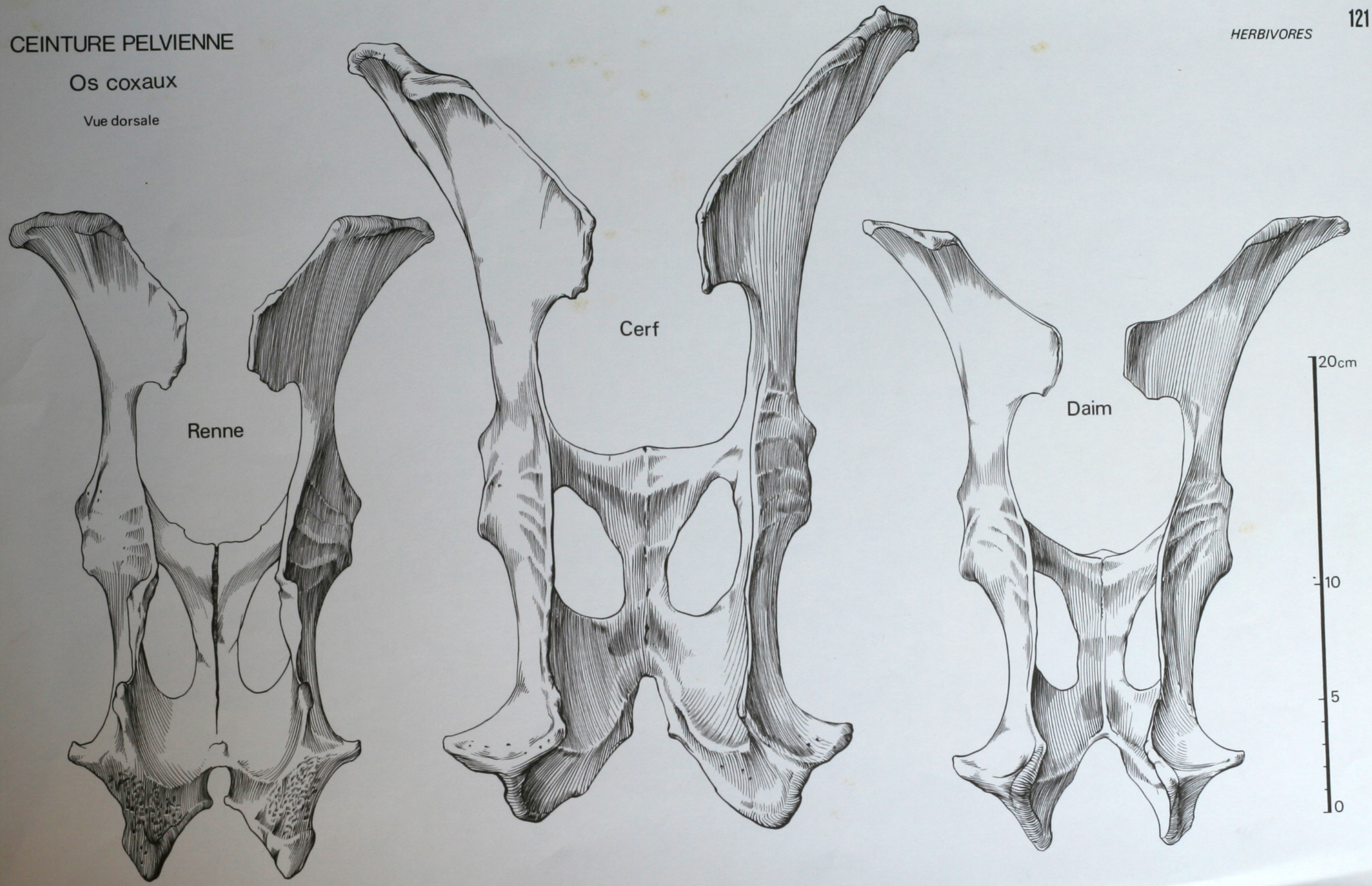
Vue ventrale



CEINTURE PELVIENNE

Os coxaux

Vue dorsale



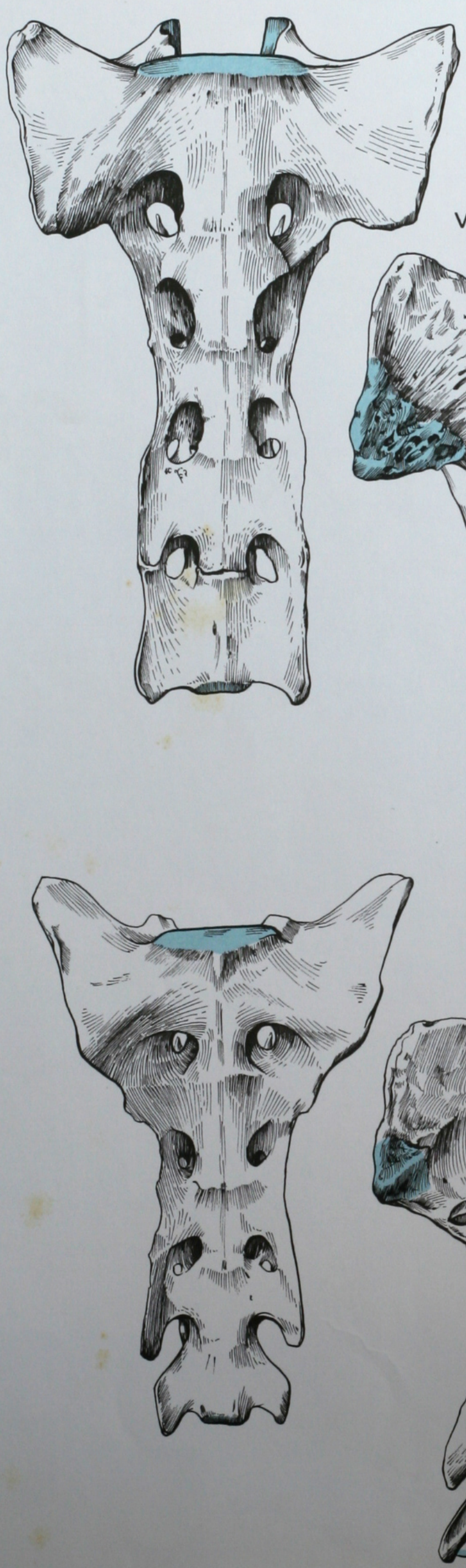
CEINTURE PELVIENNE

Sacrum

HERBIVORES

Vue ventrale

Vue dorsale



Vue latérale G.



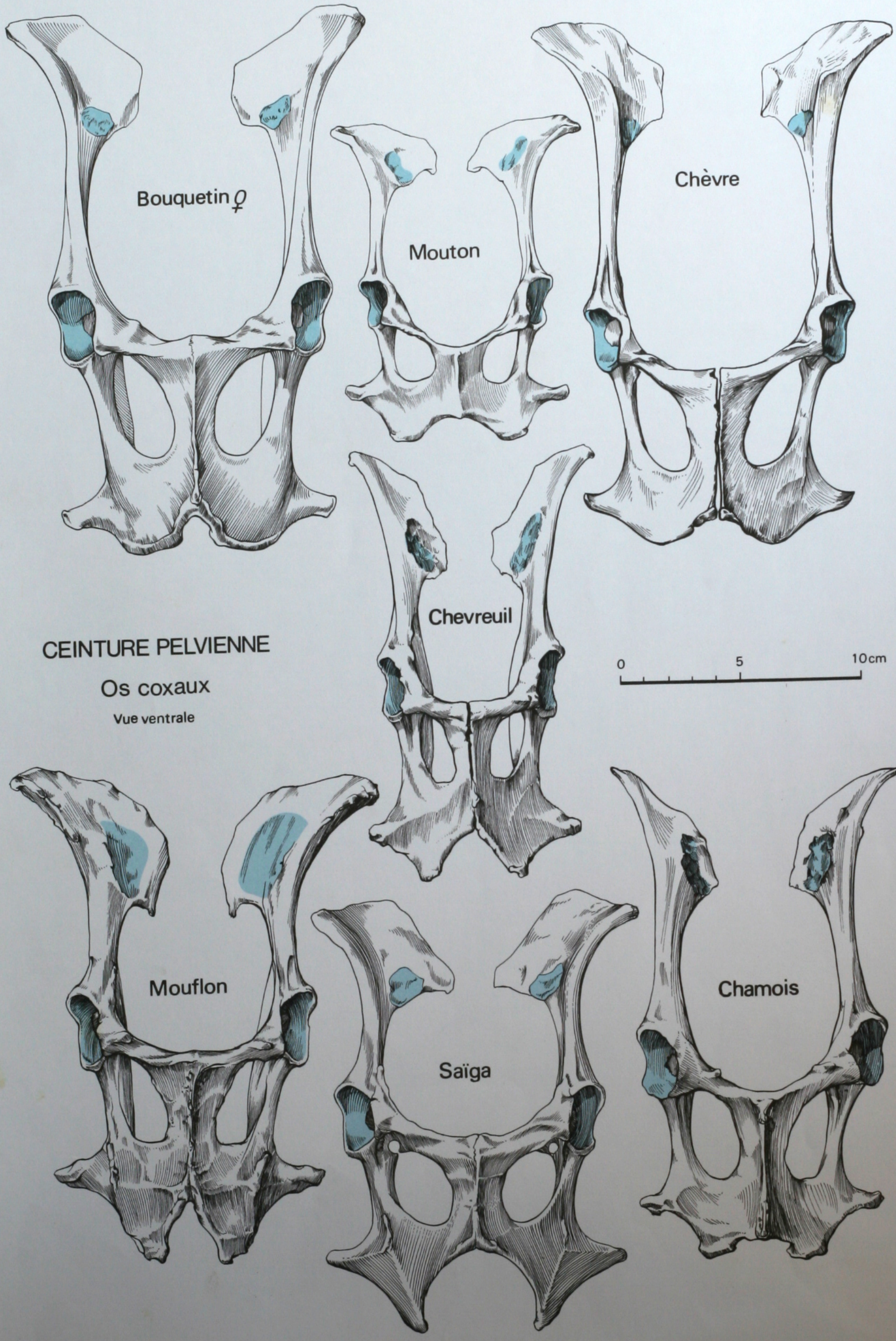
Cerf

Renne

CEINTURE PELVIENNE

Os coxaux

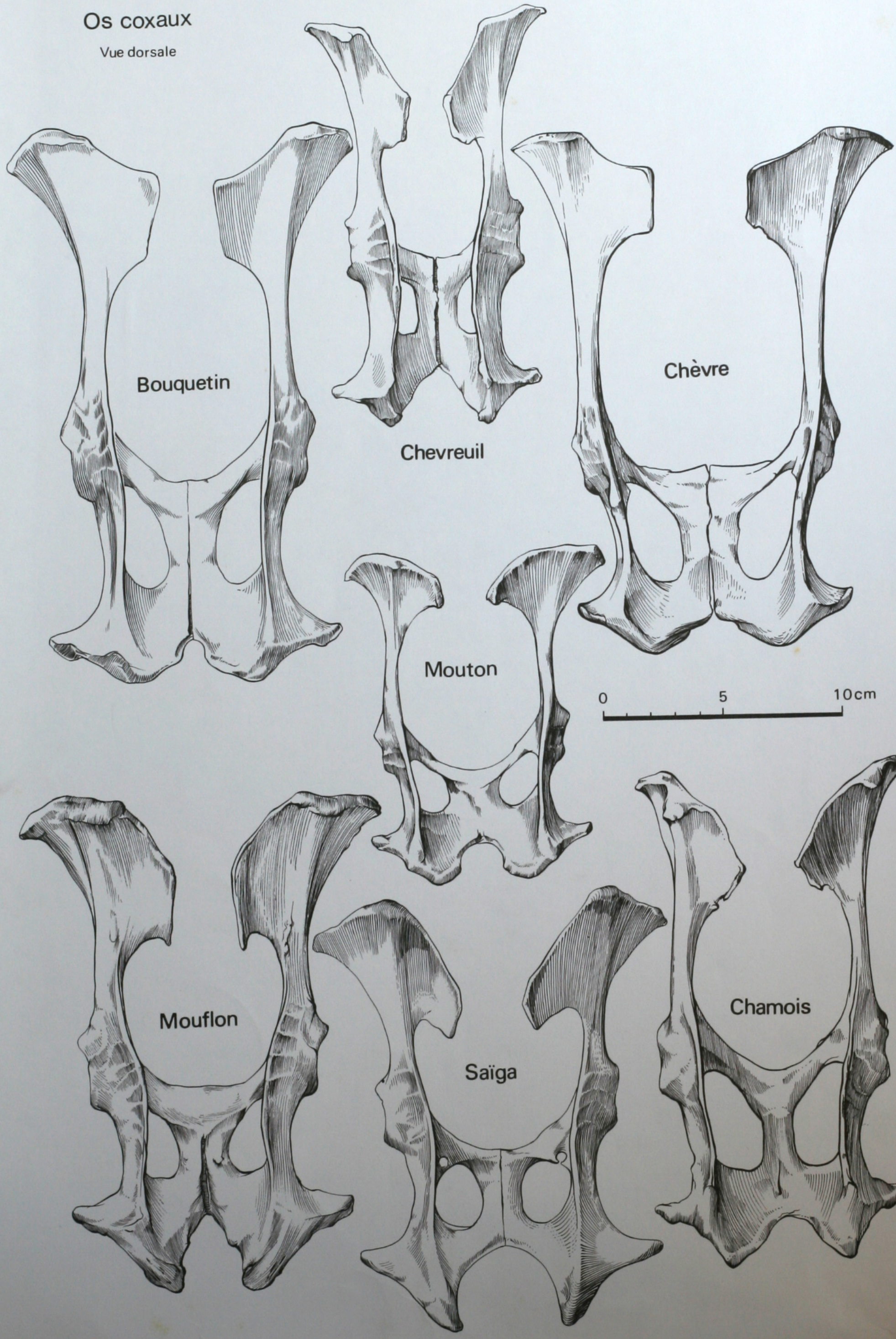
Vue ventrale



CEINTURE PELVIENNE

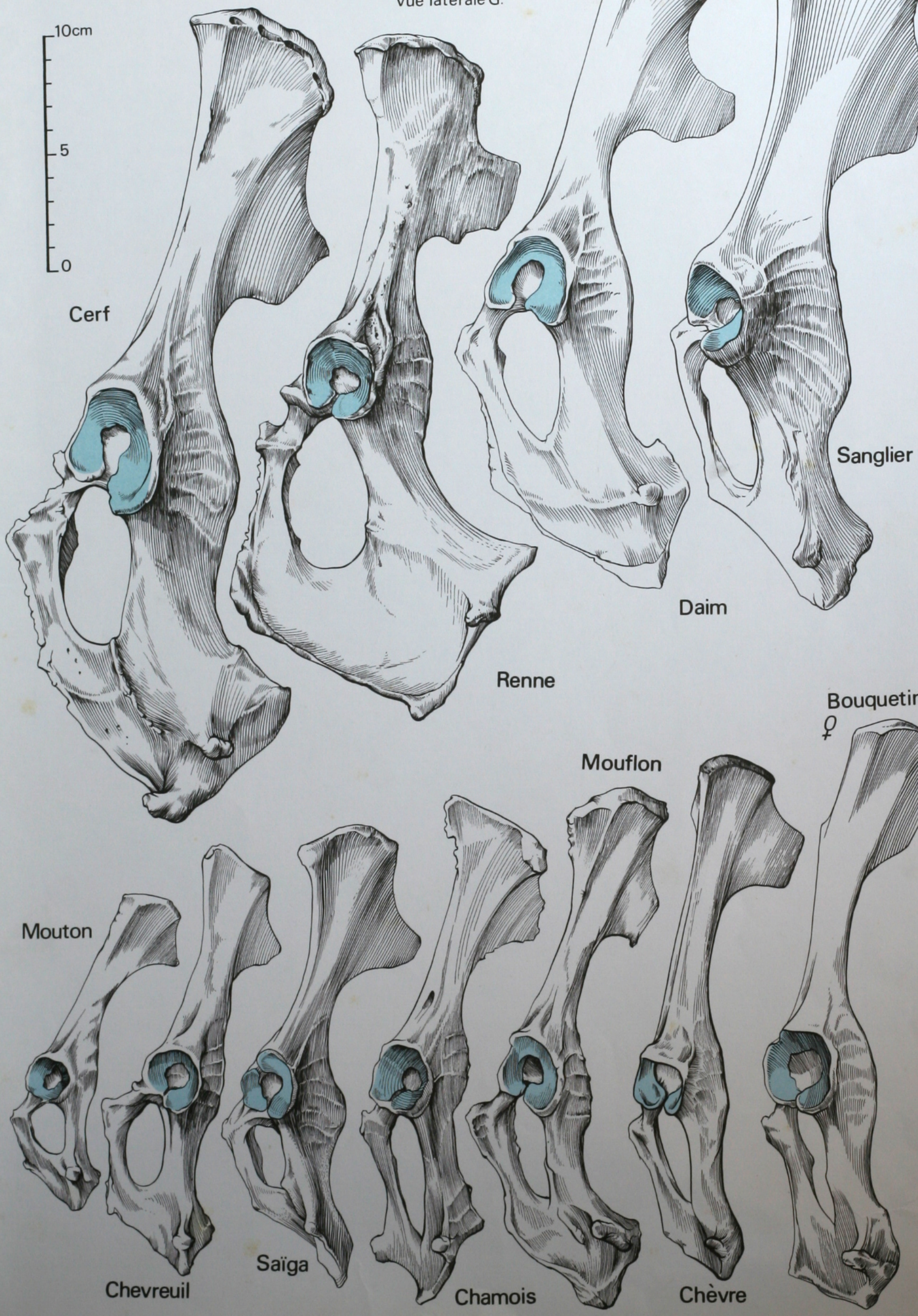
Os coxaux

Vue dorsale



CEINTURE PELVIENNE

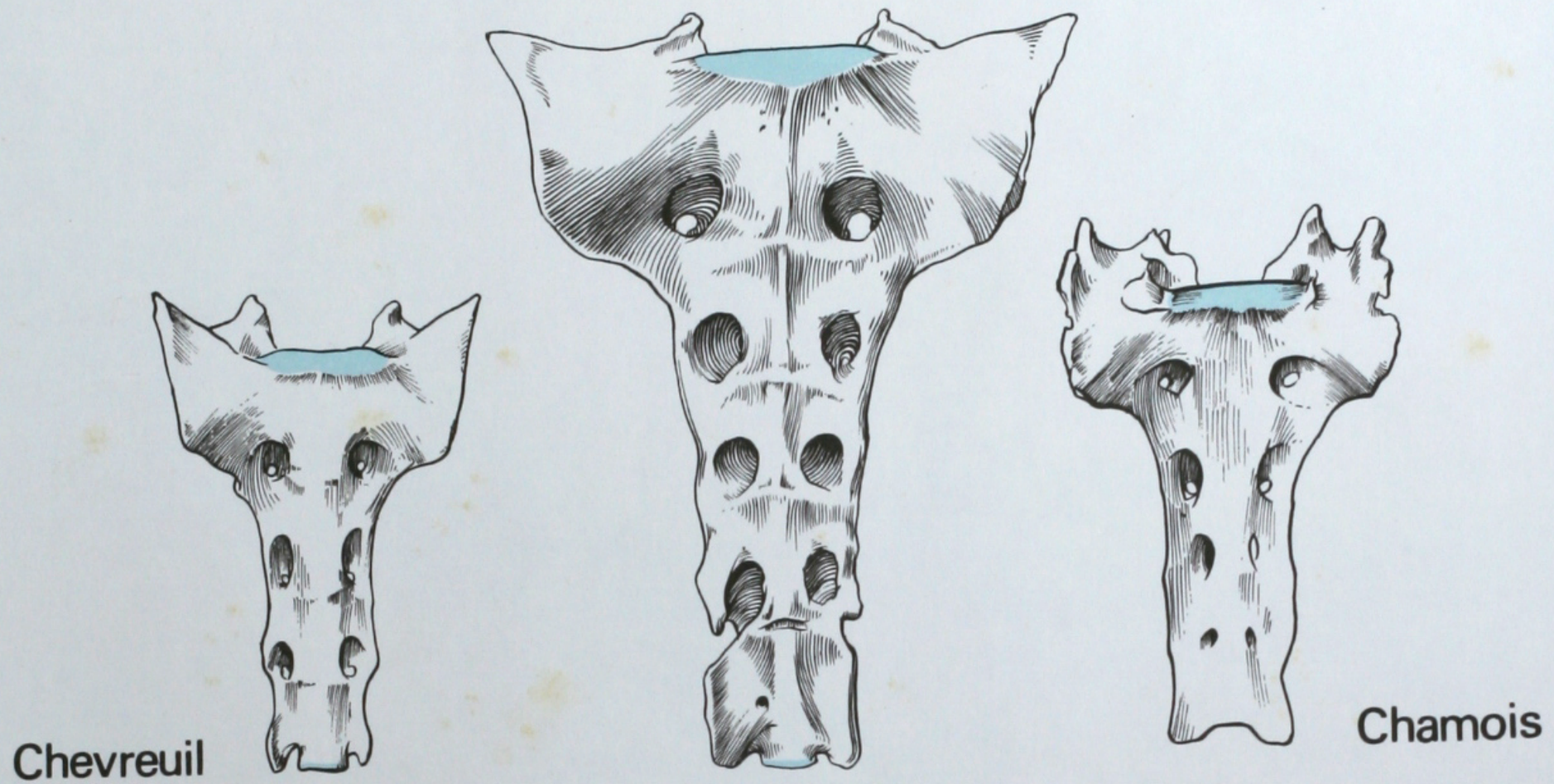
Coxal G.
Vue latérale G.



CEINTURE PELVIENNE

Sacrum

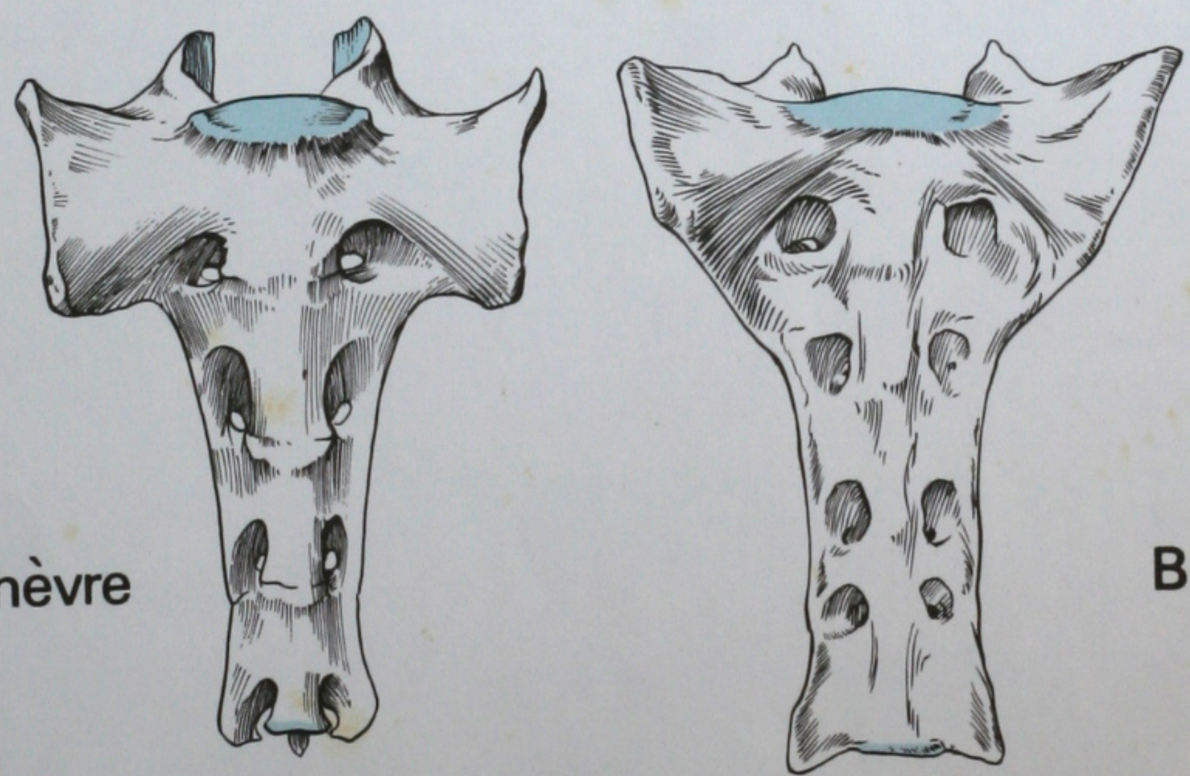
Vue ventrale



Chevreuil

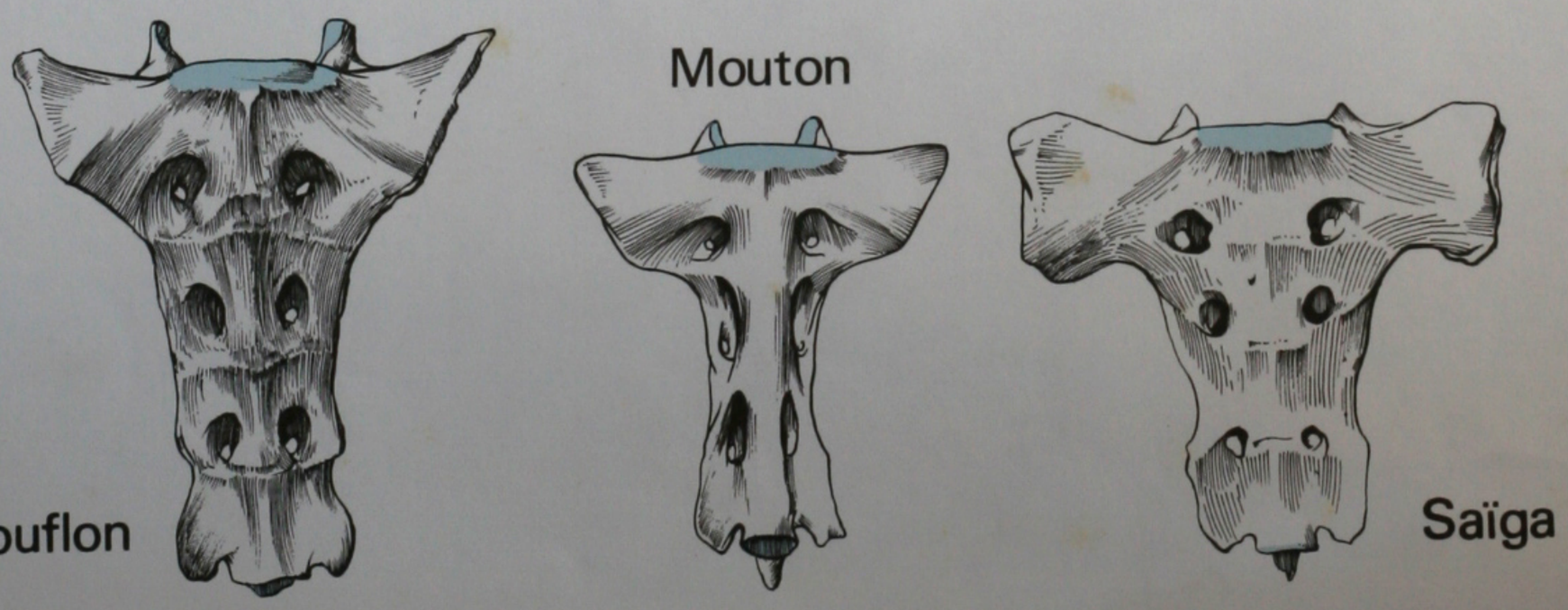
Daim

Chamois



Chèvre

Bouquetin ♀



Mouflon

Mouton

Saïga

Sacrum

Vue dorsale

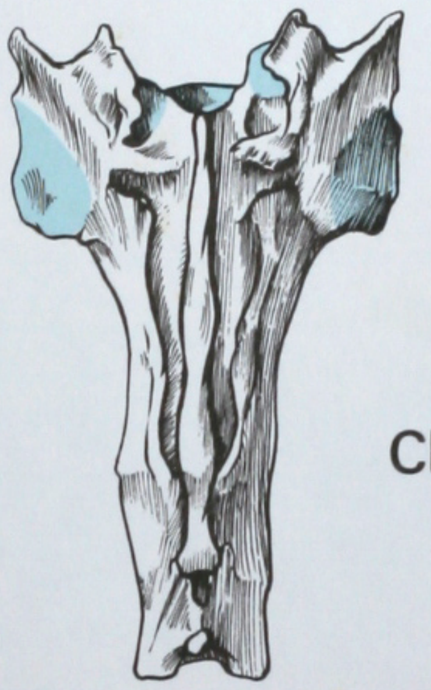
Daim



Chevreuil



Chamois



Chèvre



Bouquetin ♀



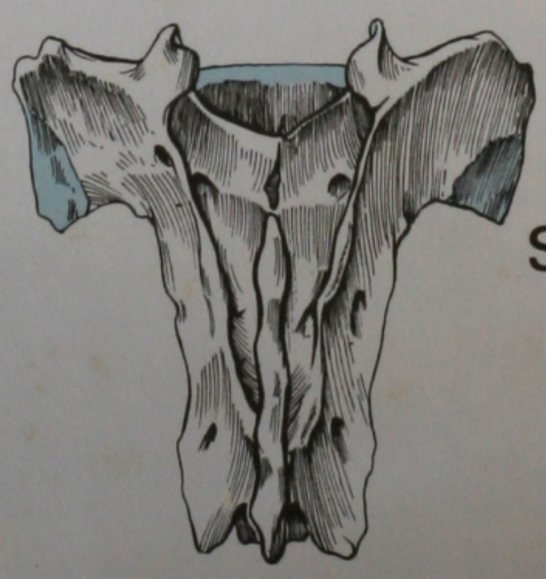
Mouton

Mouflon





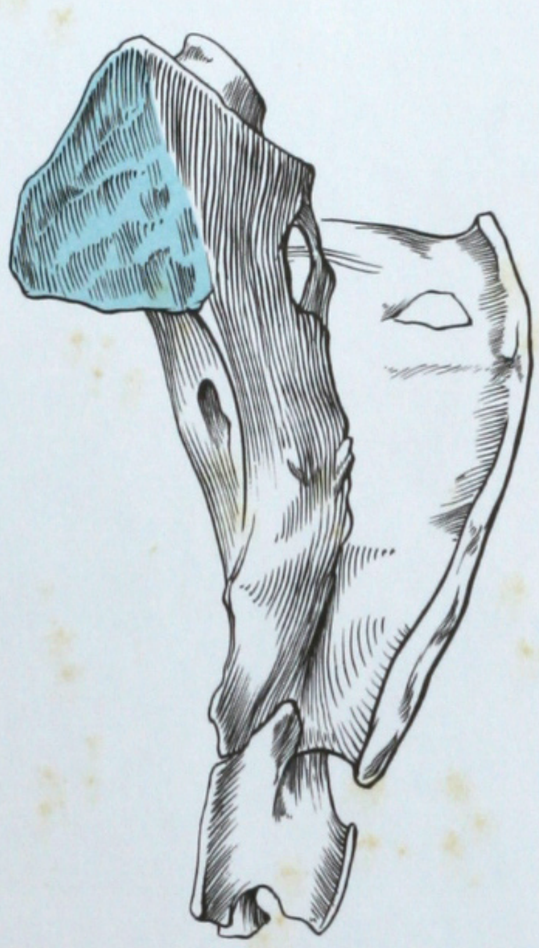
Saïga



Sacrum

Vue latérale G.

Daim

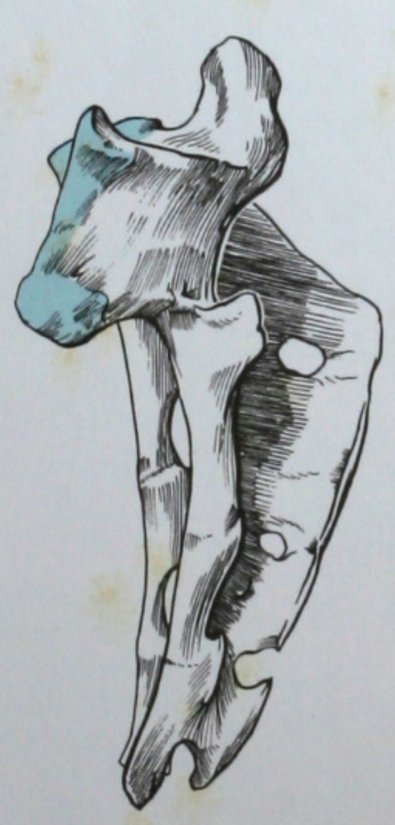


Chevreuil

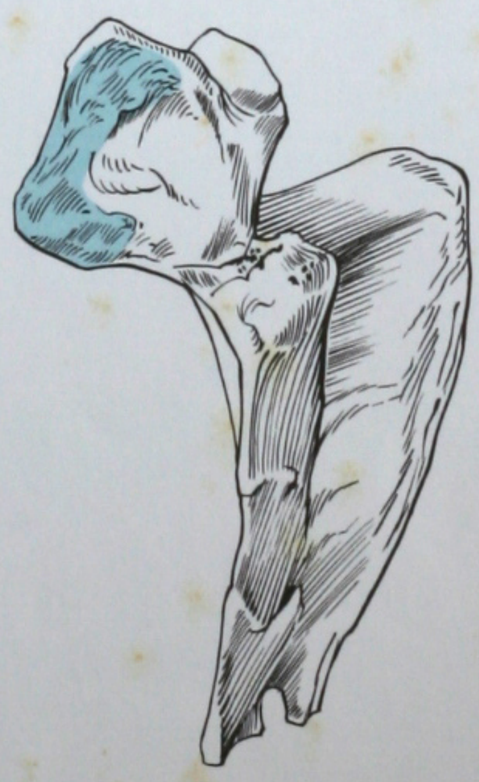




Chamois



Chèvre



Bouquetin ♀



Mouflon

Mouton





Saïga

CEINTURE PELVIENNE

Os coxaux

Vue crâniale

Vue ventrale

Sacrum

Vue latérale G.

C^a2

Sanglier

Vue caudale

Vue dorsale

Bison

Humérus G.



Vue post.

Vue ant.

Bison

Humérus G.



Vue latérale G.



Vue médiale

MEMBRE THORACIQUE

Radius - Cubitus G.

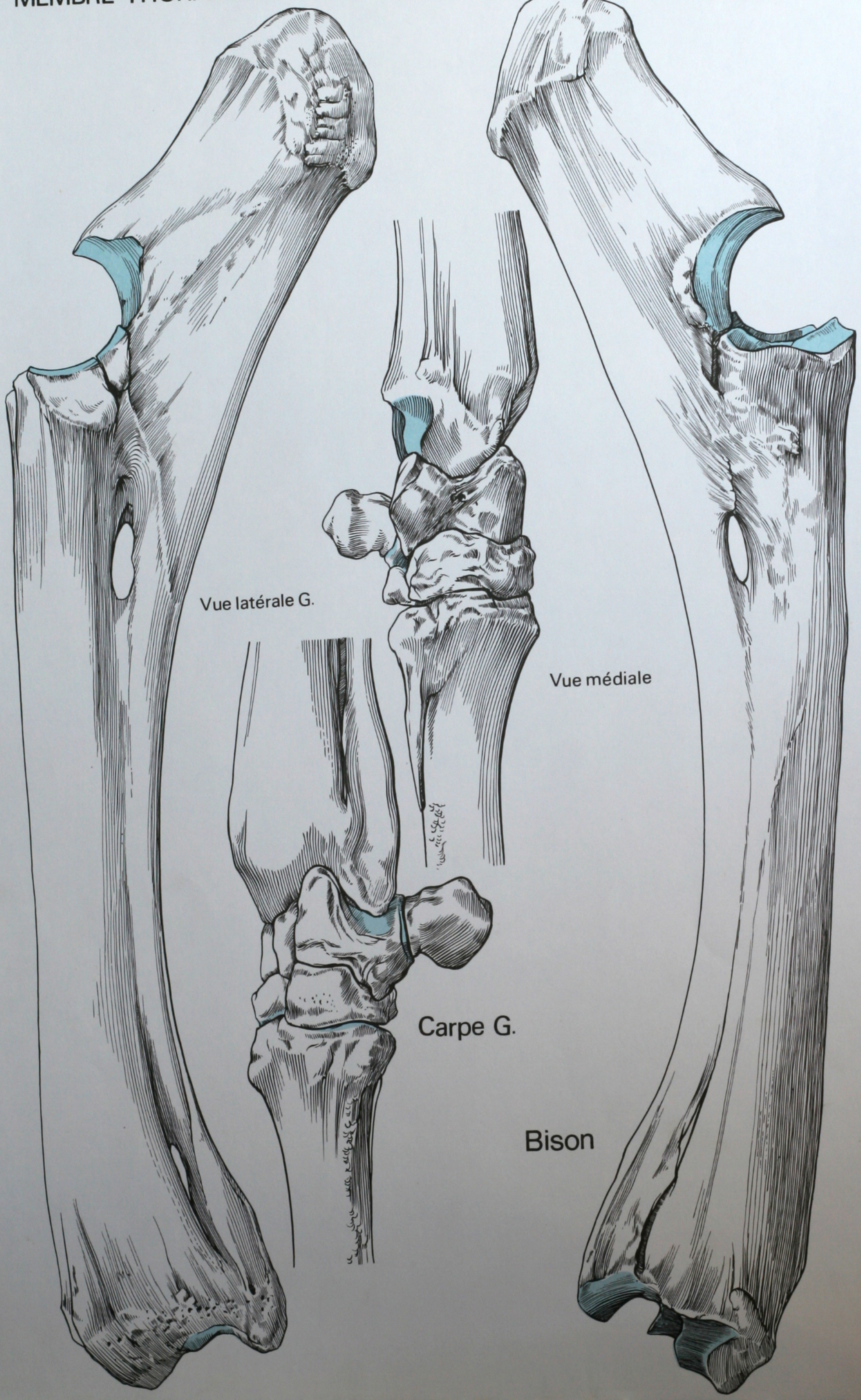


Bison

Vue antérieure

Vue postérieure

MEMBRE THORACIQUE Radius - Cubitus G.



Vue latérale G.

Vue médiale

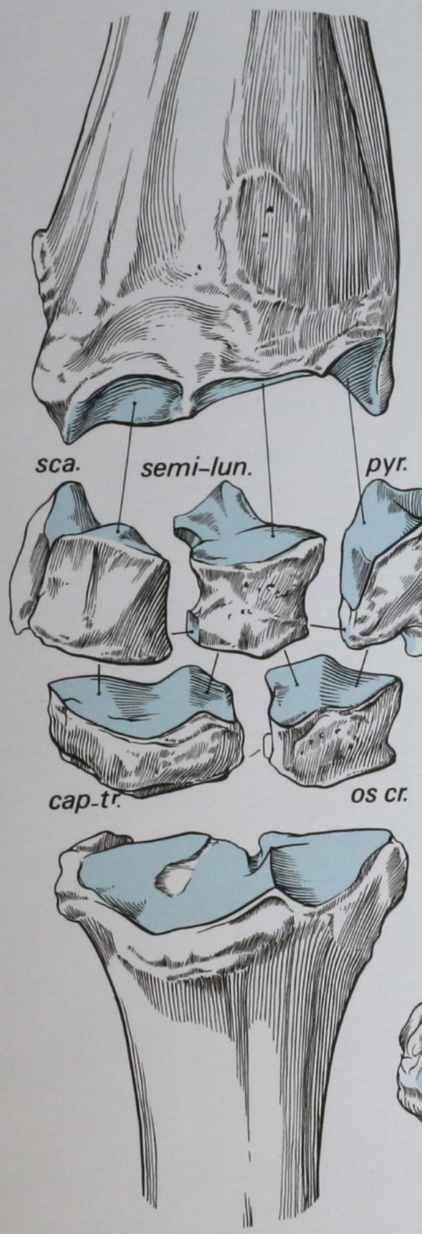
Carpe G.

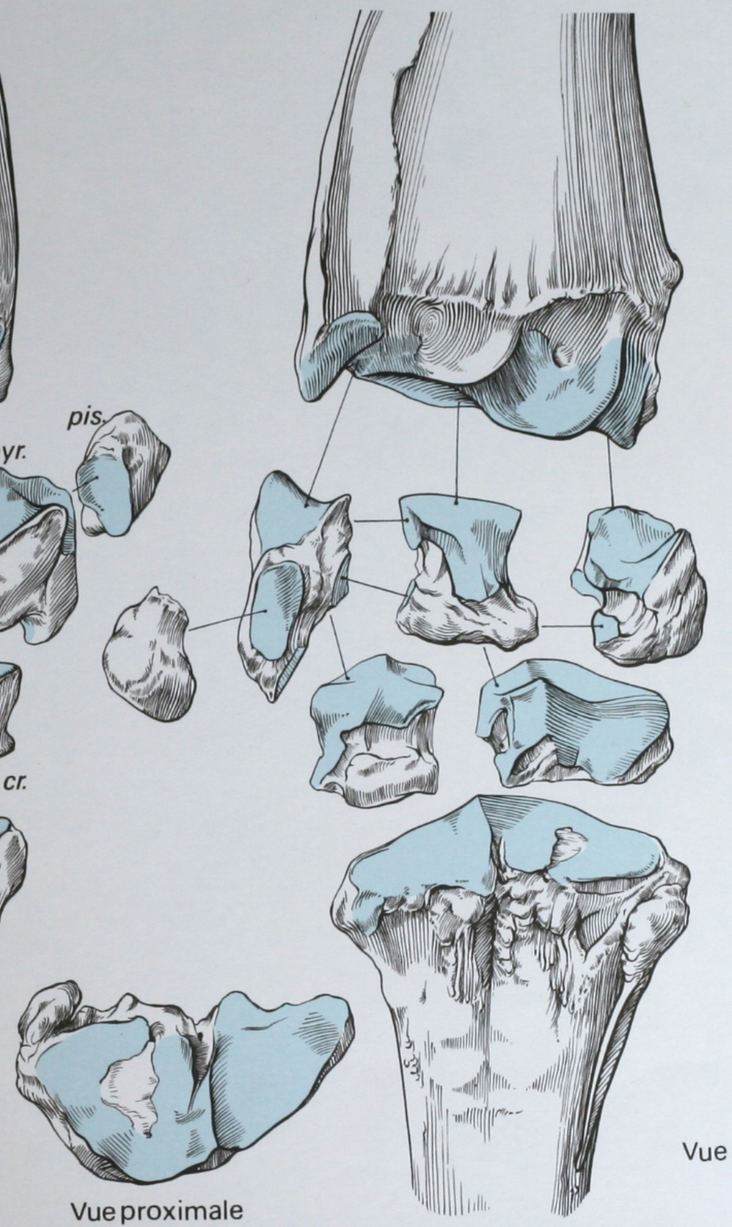
Bison

Bison

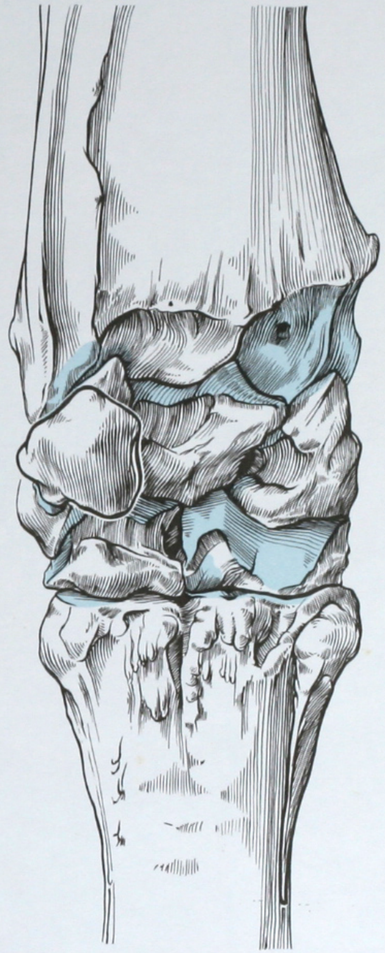


Vue dorsale





Vue proximale



Vue palmaire

MEMBRE THORACIQUE

Main G.

Carpe

Bison

Vue dorsale

Vue palmaire

Vue latérale G.

Vue médiale

Vue proximale

Vue distale

scaphoïde

semi-lunaire

pyramidal

pisiforme

capitato-trapèzoïde

os crochu

Main

Vue dorsale

petit sésamoïde

Vue médiale

Vue proximale

Doigt G.

Ph.I

Ph.II

Ph.III

Vue latérale G.

Pied

grands sésamoïdes

Vue médiale

petit sésamoïde

Vue dorsale

MEMBRE THORACIQUE

Vue dorsale

Vue latérale G.

Vue palmaire

Main G.

Métacarpe

Bison

Grands Sésamoïdes

Ph.I

Vue proximale

1er Doigt

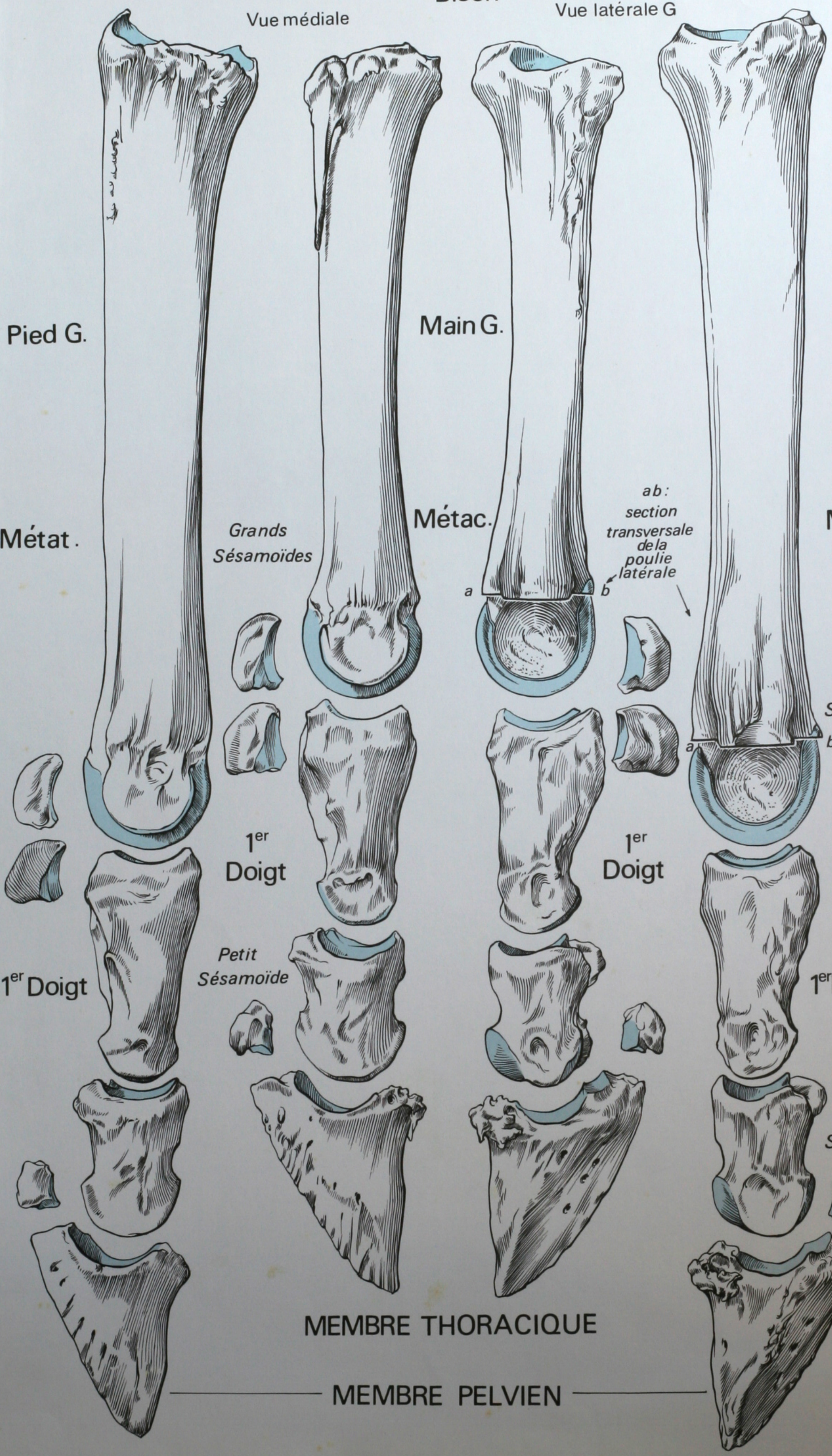
Doigts

Petit Sésamoïde

Ph.II

PhIII

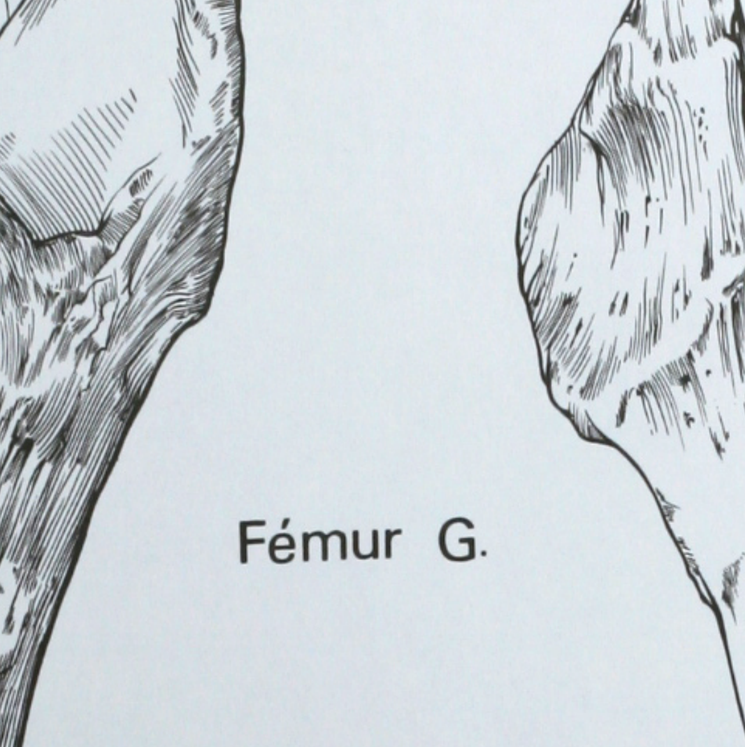
Bison


Vue médiale
Vue latérale G
Pied G.
Main G.
Pied G.
Métat.
Métac.
Métat.
Grands Sésamoïdes
ab : section transversale de la poulie latérale
a
b
Grands Sésamoïdes
1er Doigt
1er Doigt
1er Doigt
Petit Sésamoïde
Petit Sésamoïde
MEMBRE THORACIQUE
MEMBRE PELVIEN

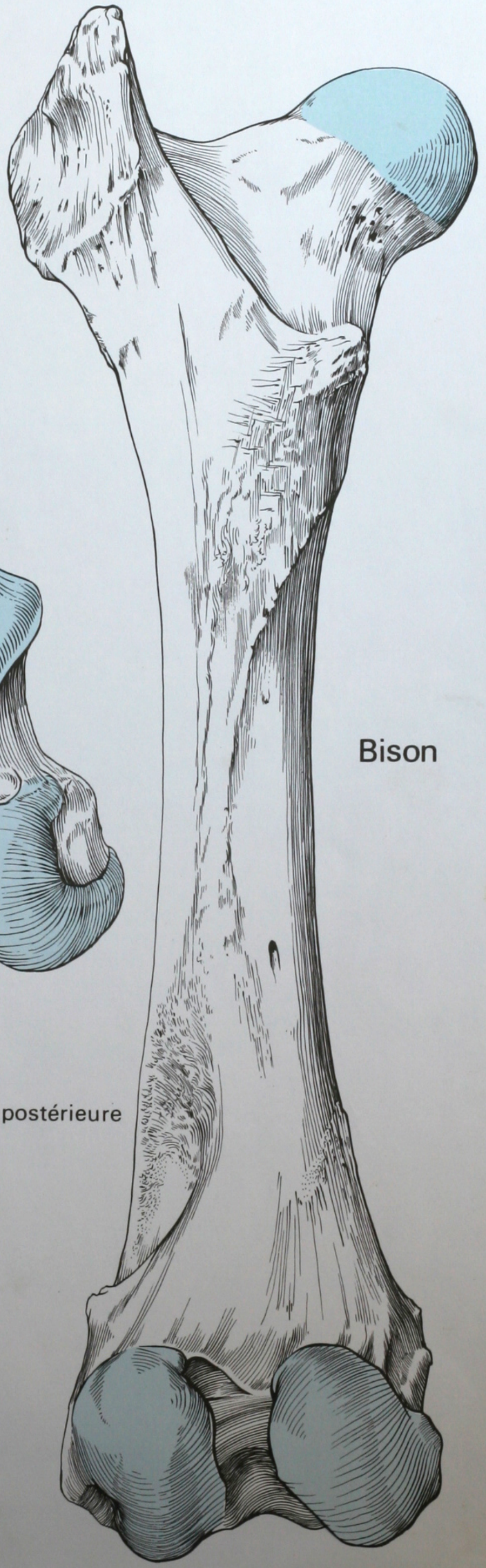
MEMBRE PELVIEN



Fémur G.



Vue distale



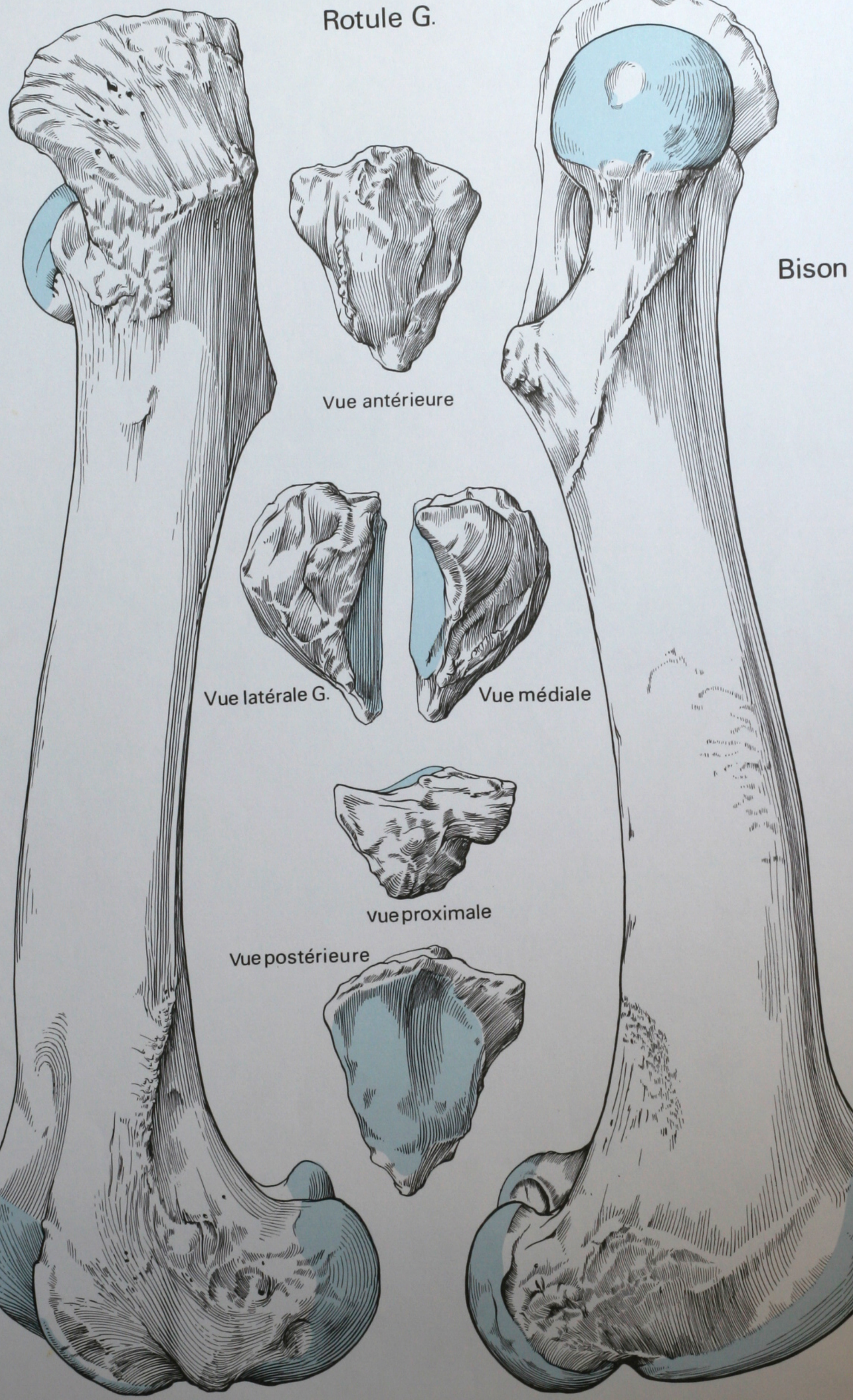
Bison

Vue postérieure

Vue antérieure

MEMBRE PELVIEN

Fémur et
Rotule G.



Vue antérieure

Vue latérale G.

Vue médiale

vue proximale

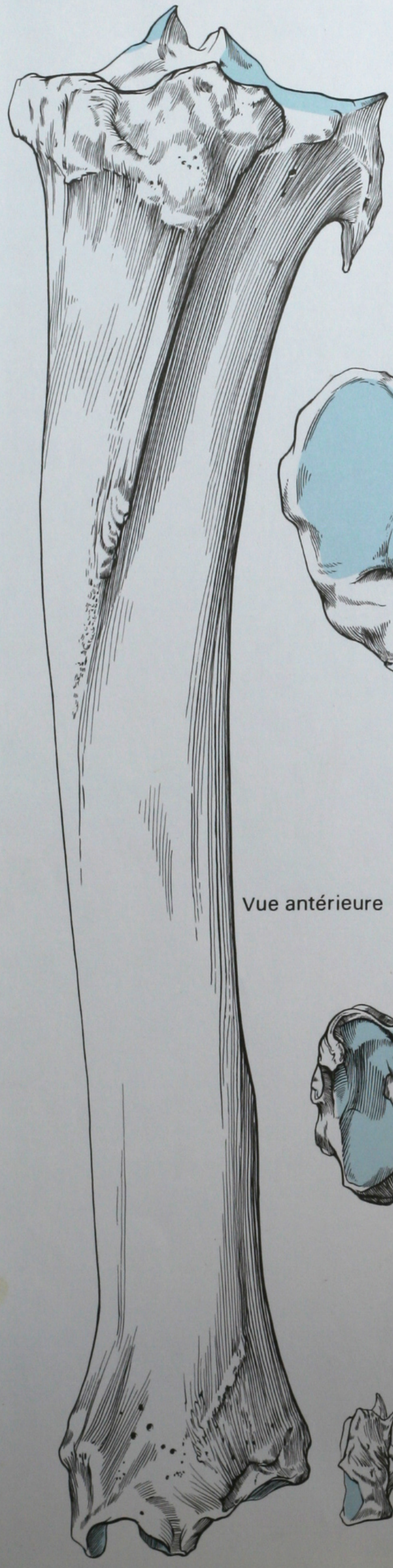
Vue postérieure

Bison

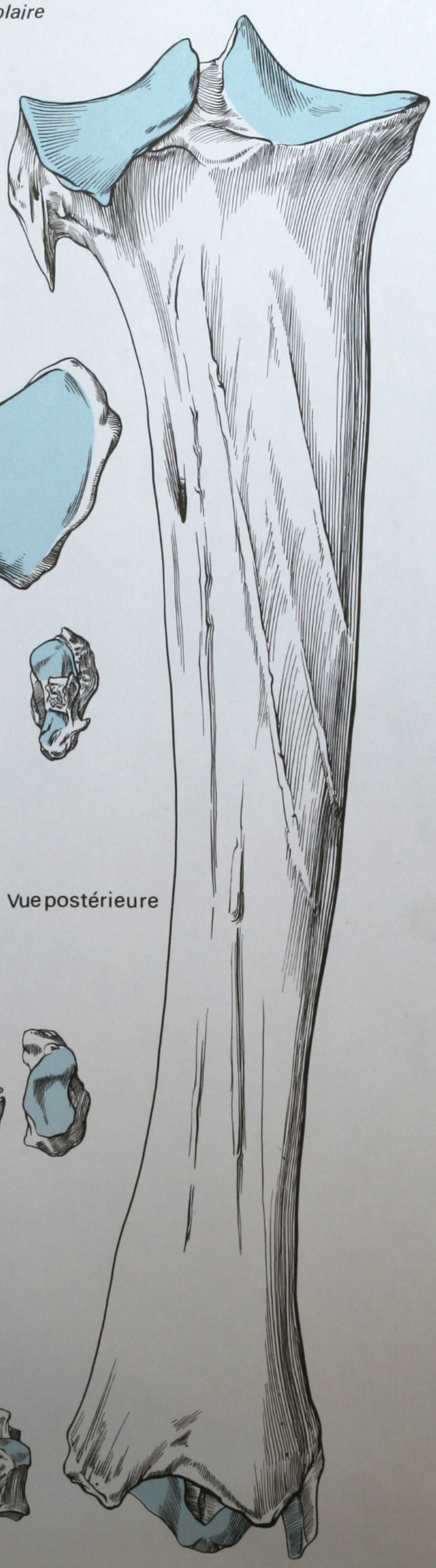
MEMBRE PELVIEN

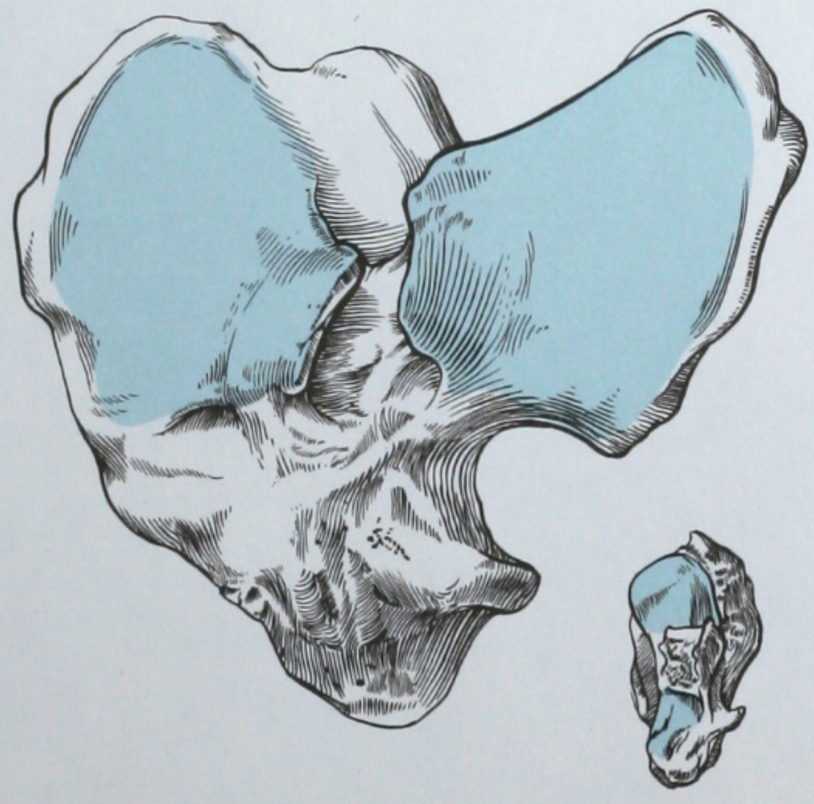
Tibia Péroné G.

Os malléolaire



Bison





Vue proximale

Vue antérieure

Vue postérieure

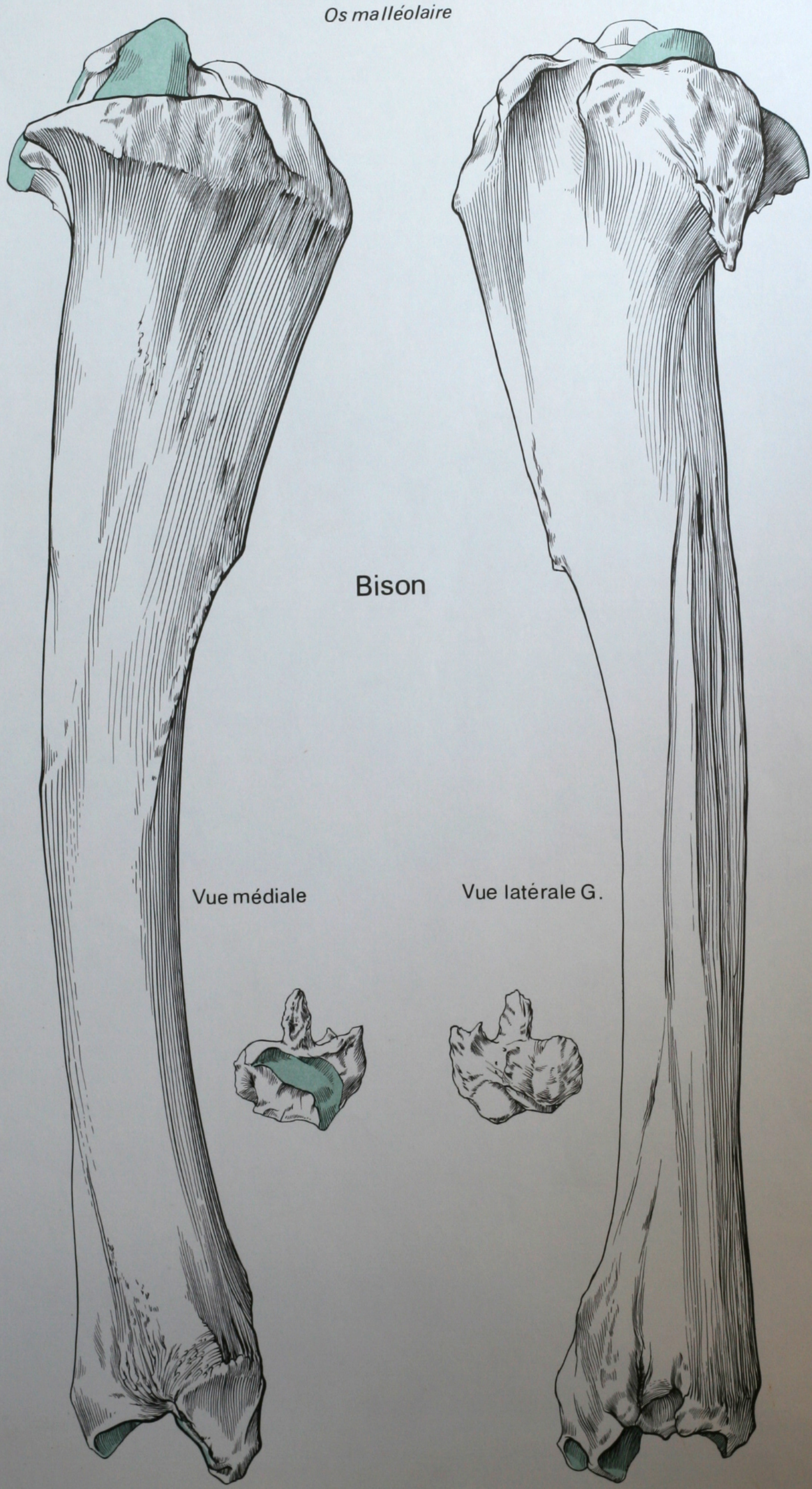


Vue distale

MEMBRE PELVIEN

Tibia Péroné G.

Os malléolaire



Bison

Vue médiale

Vue latérale G.

MEMBRE PELVIEN

Pied G.

Tarse

Vue plantaire

Vue dorsale

Bison

Vue médiale

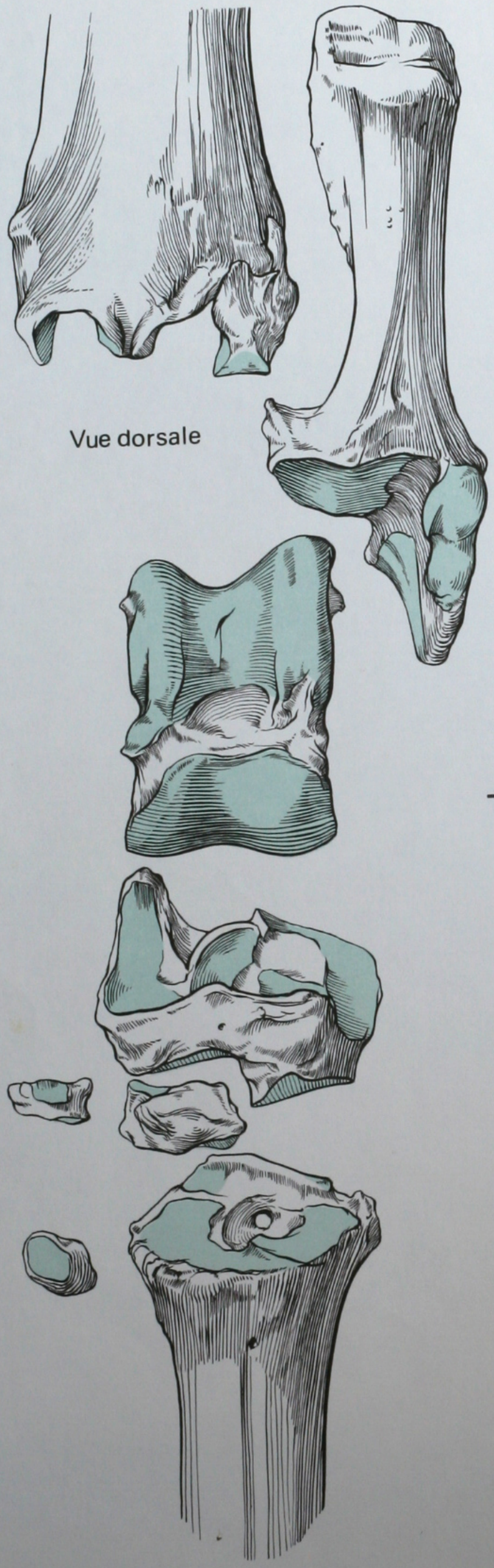
Vue latérale G.

Sés. méta.

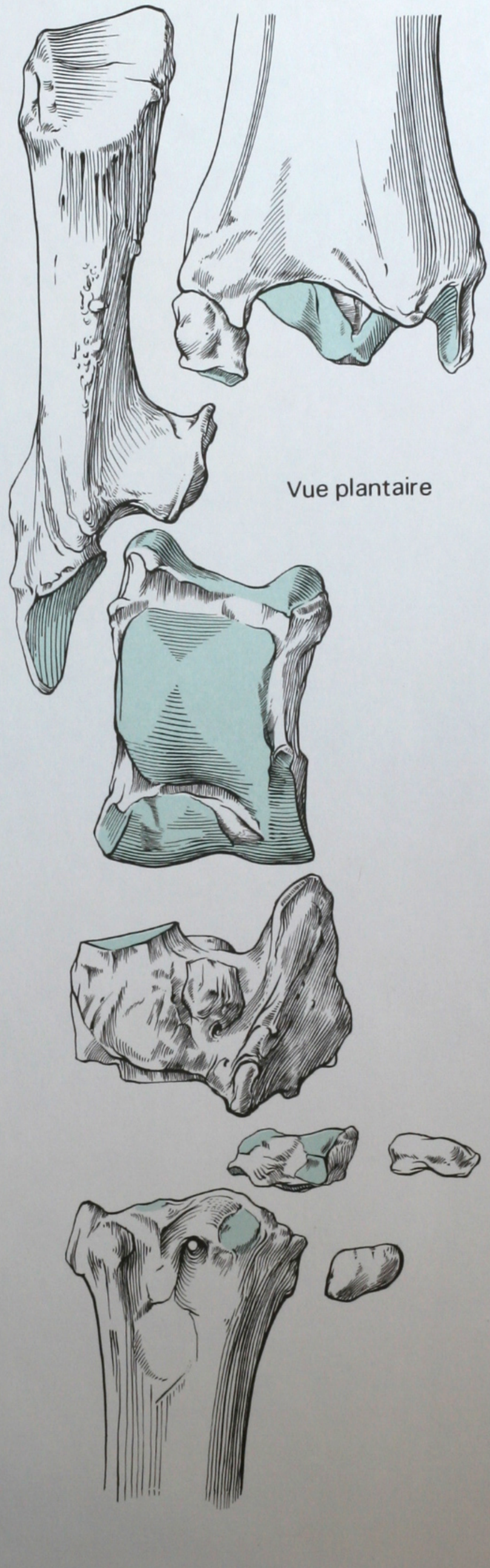
MEMBRE PELVIEN

Pied G.

Bison



Vue dorsale



Vue plantaire

Tarse

MEMBRE PELVIEN

HERBIVORES

Bison

Pied G. Tarse

Vue dorsale

Vue plantaire

Vue latérale G.

Vue proximale

Vue distale

G.d Cunéiforme

P.t Cunéiforme

Vue médiale

Vue dorsale

Vue médiale

Vue plantaire

Vue proximale

Vue distale

Calcanéum

Astragale

Scapho-cuboïde

Vue dorsale

Vue plantaire

Pied G.

Métatarse

Bison

Vue latérale G.

4 G^ds sésamoïdes

ph.I

Doigts

Vue proximale

ph.II

2 Pts sésamoïdes

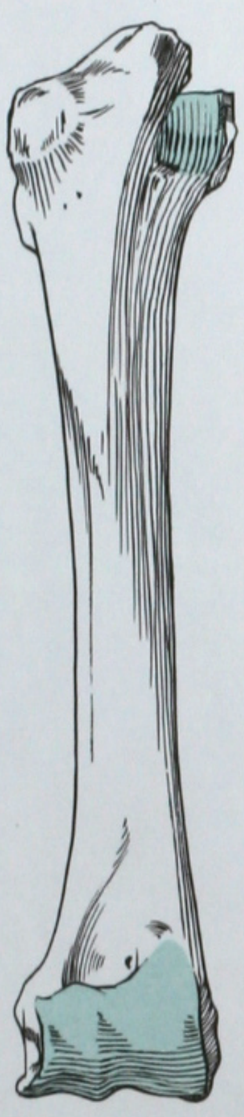
ph.III

MEMBRE PELVIEN

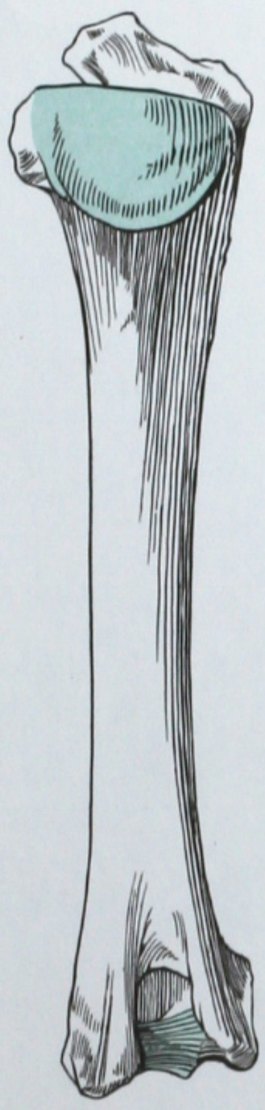
MEMBRE THORACIQUE

Humérus D.

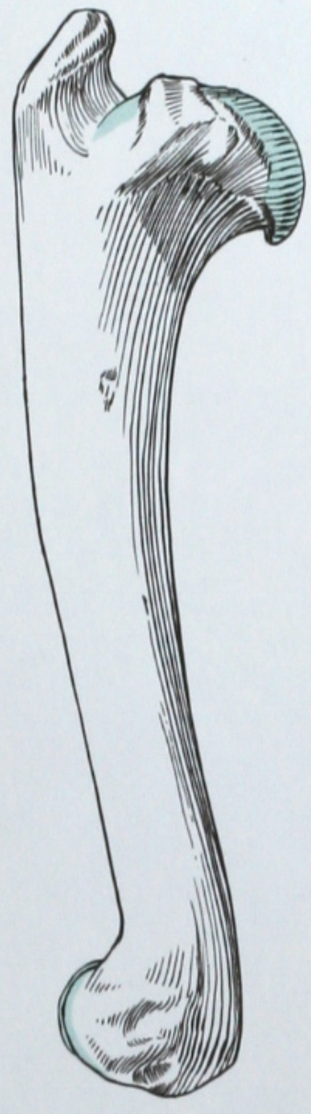
Chevreuil



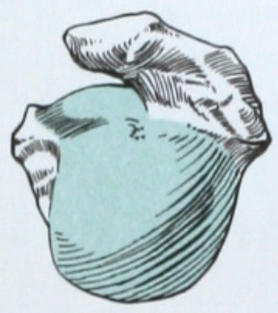
Vue antérieure



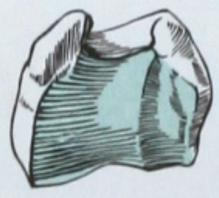
Vue postérieure



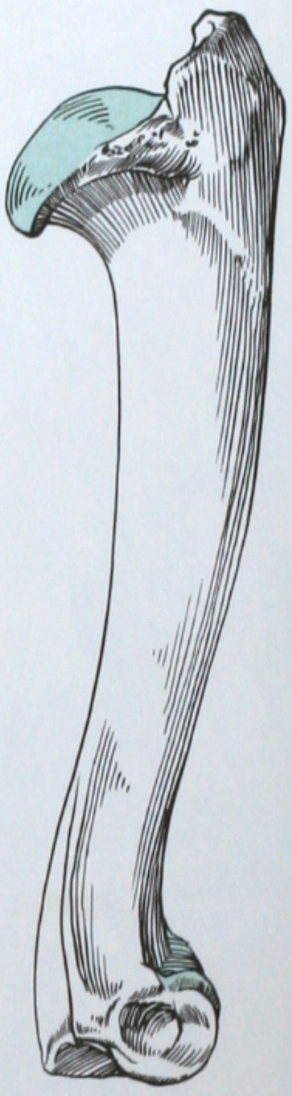
Vue médiale



Vue proximale

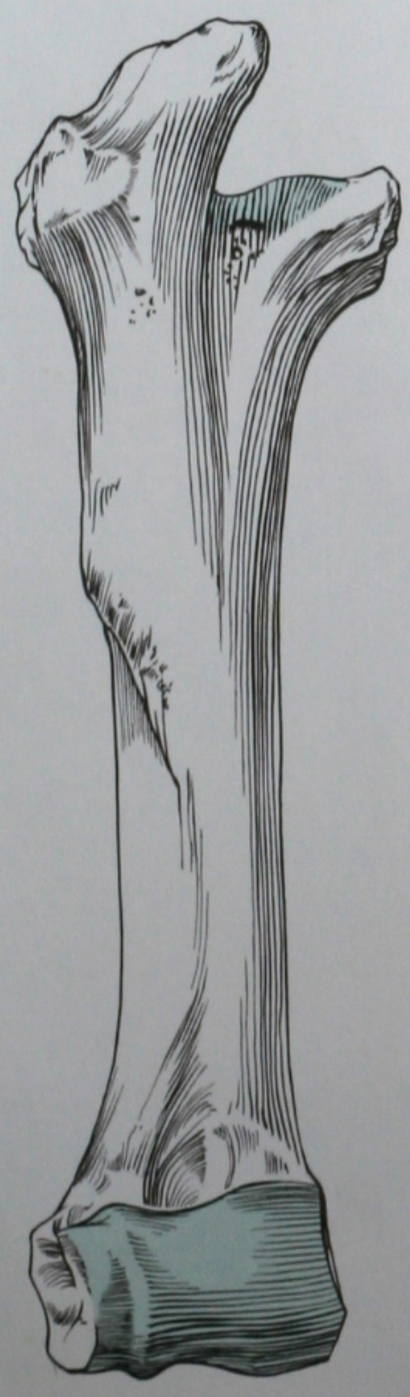


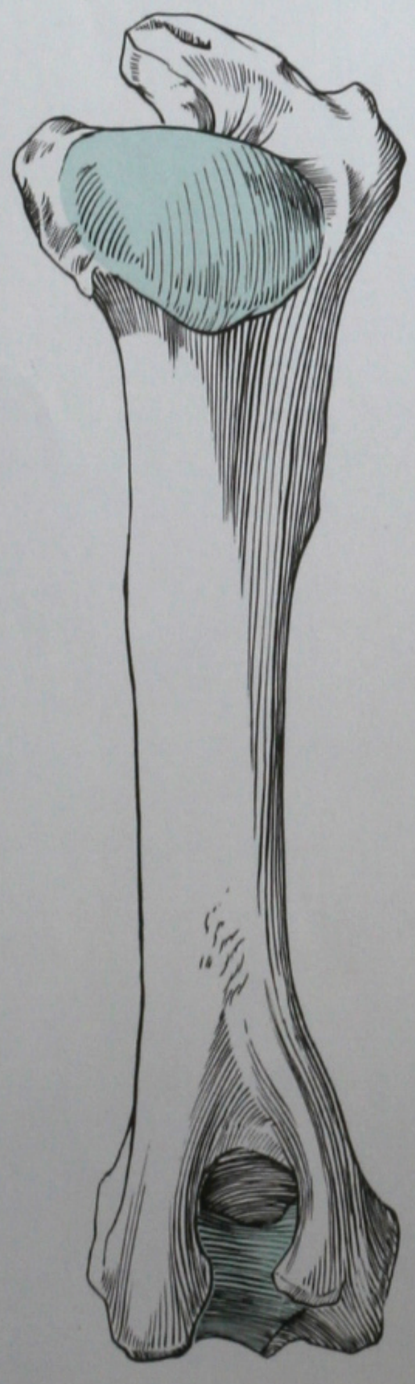
Vue distale



Vue latérale

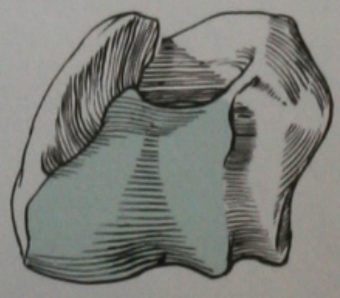
Daim







Vue proximale

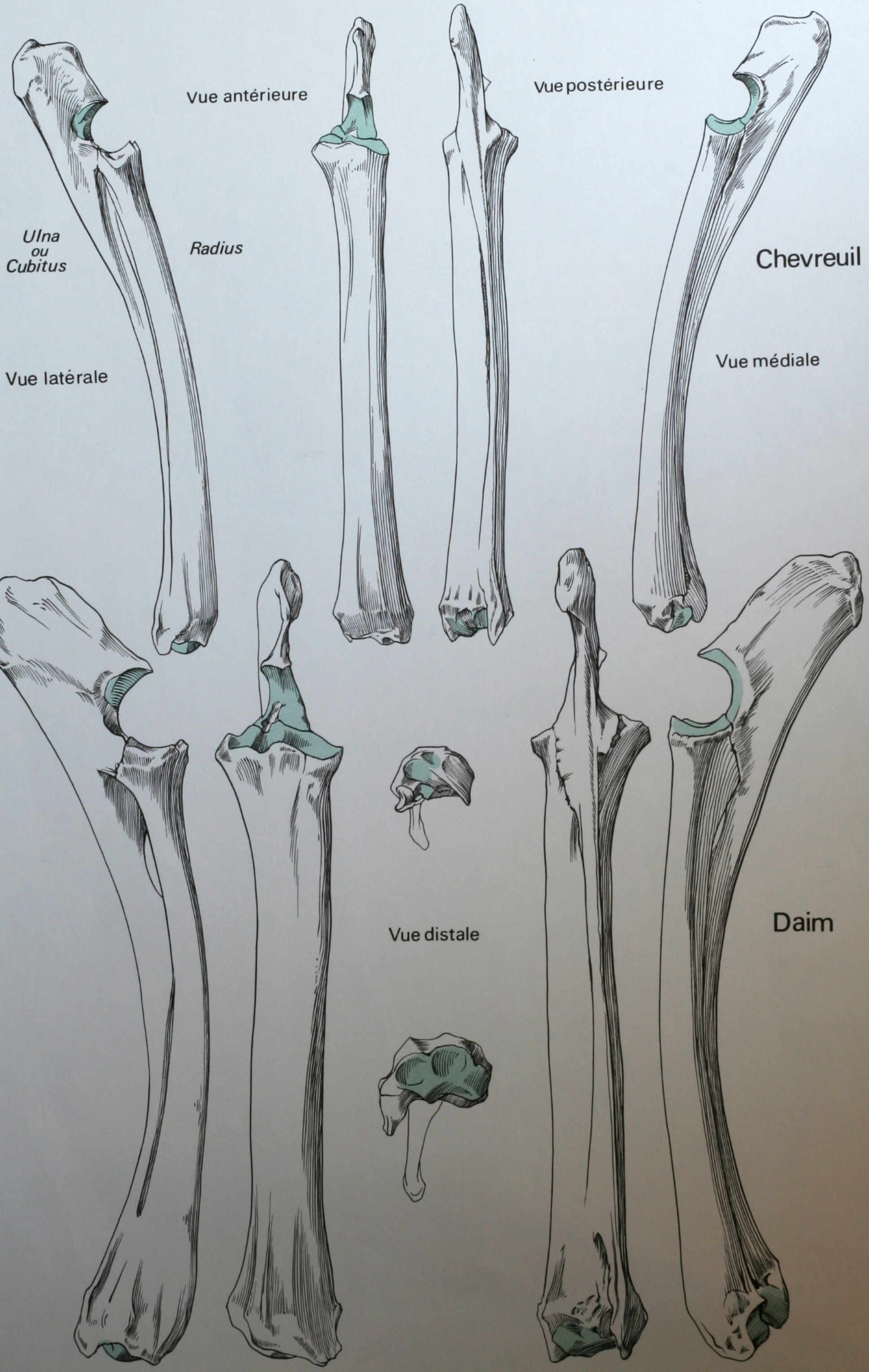


Vue distale



MEMBRE THORACIQUE

Radius - Cubitus D.



MEMBRE THORACIQUE G.

HERBIVORES

Bouquetin ♂

Vue lat G.

Vue post

Vue ant

Radius - Cubitus

Vue ant

Vue prox

Vue post

Vue distale

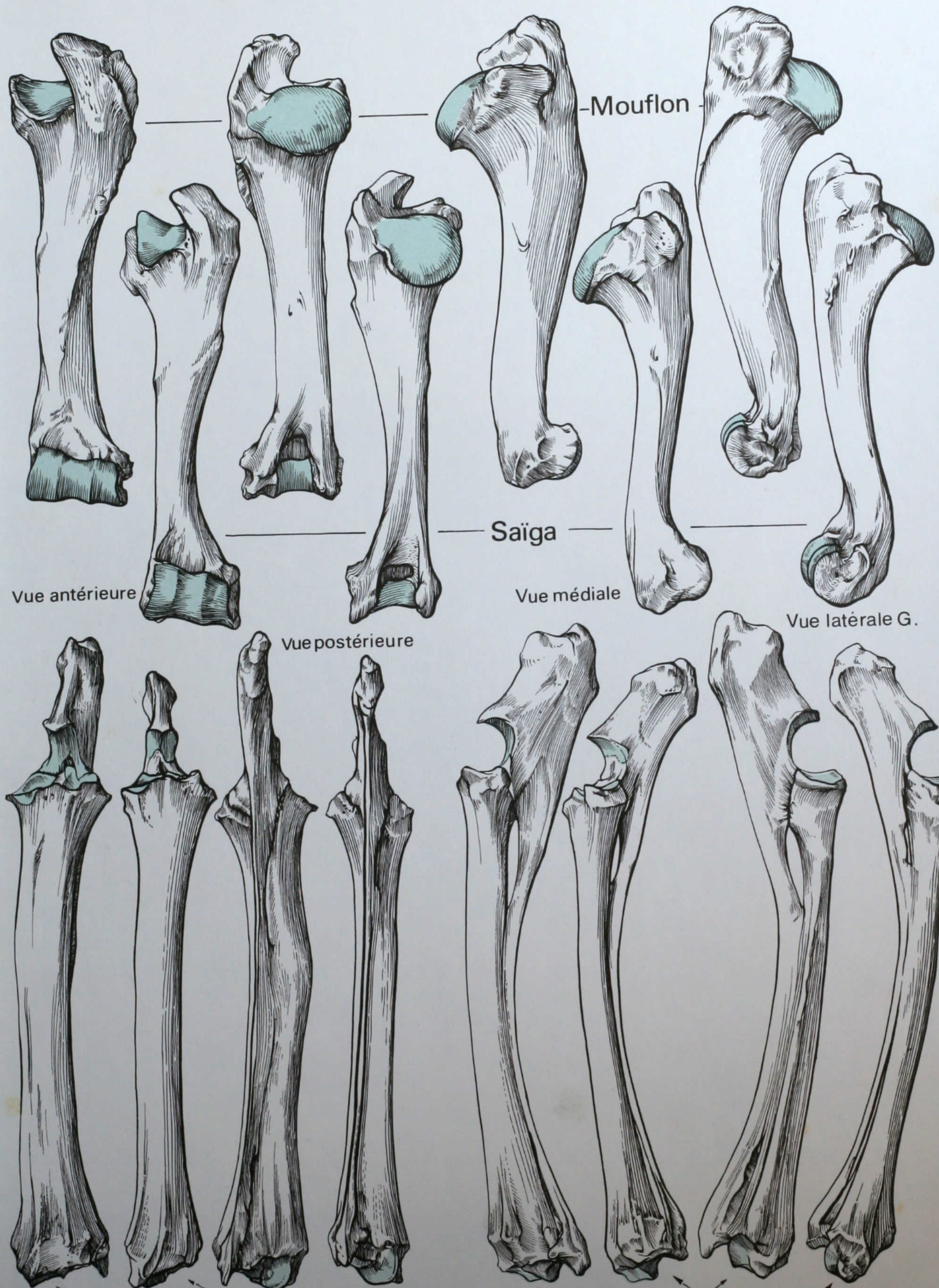
Vue ant

Vue lat G

Humérus

MEMBRE THORACIQUE

Humérus G.



Radius - Cubitus G.

MEMBRE PELVIEN

Pied D. Tarse

HERBIVORES

Vue dorsale

Vue plantaire

Vue latérale

Vue médiale

Daim

Chevreuil

Vue dors

Vue plant.

Calcanéum

Vue lat.

Vue méd.

Vue palmaire

Daim

Chevreuil

Vue dors.

vue plant.

Astragale

Vue lat.

Vue méd.

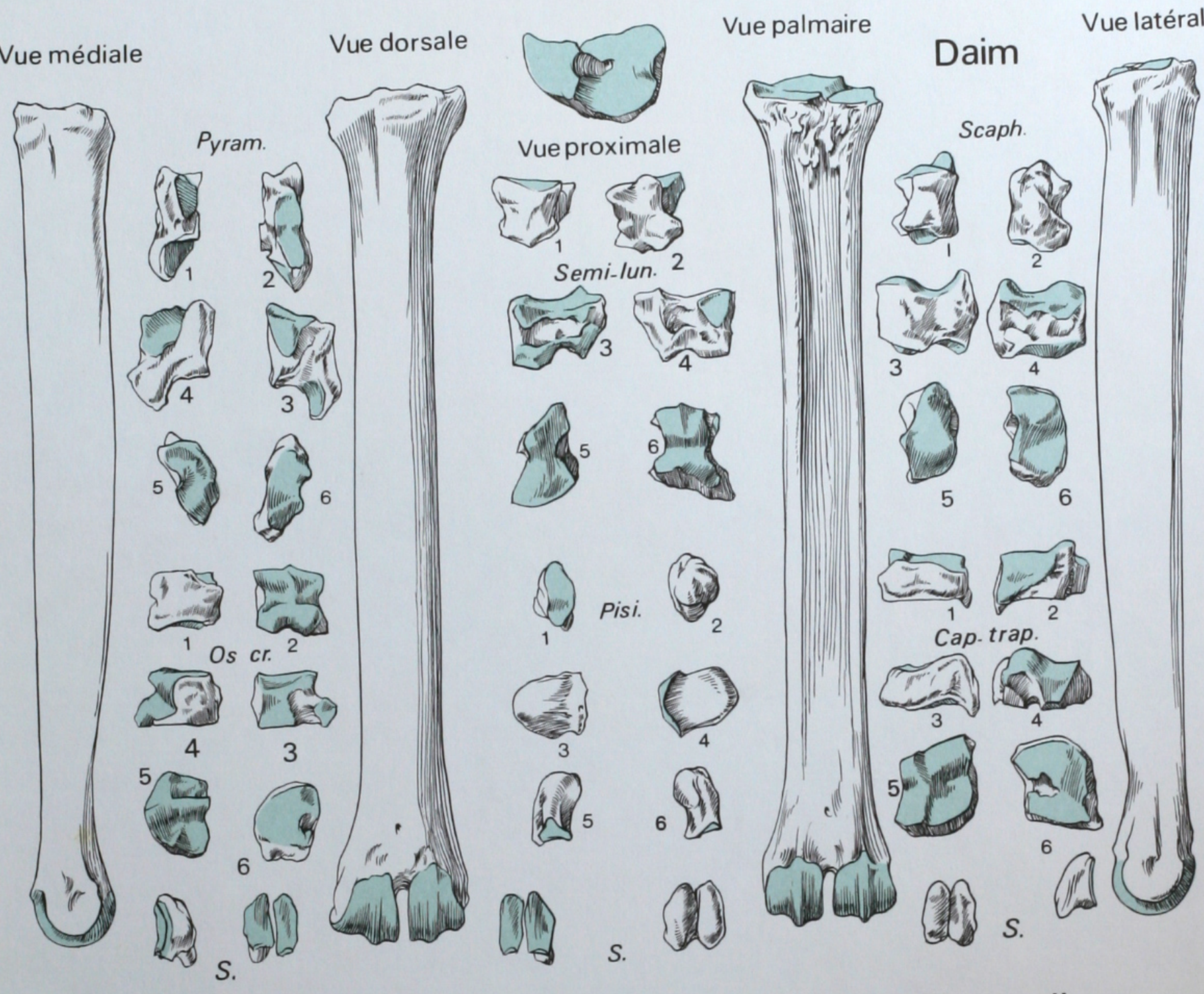
MEMBRE THORACIQUE Main D. Carpe

Chevreuil

MEMBRE THORACIQUE

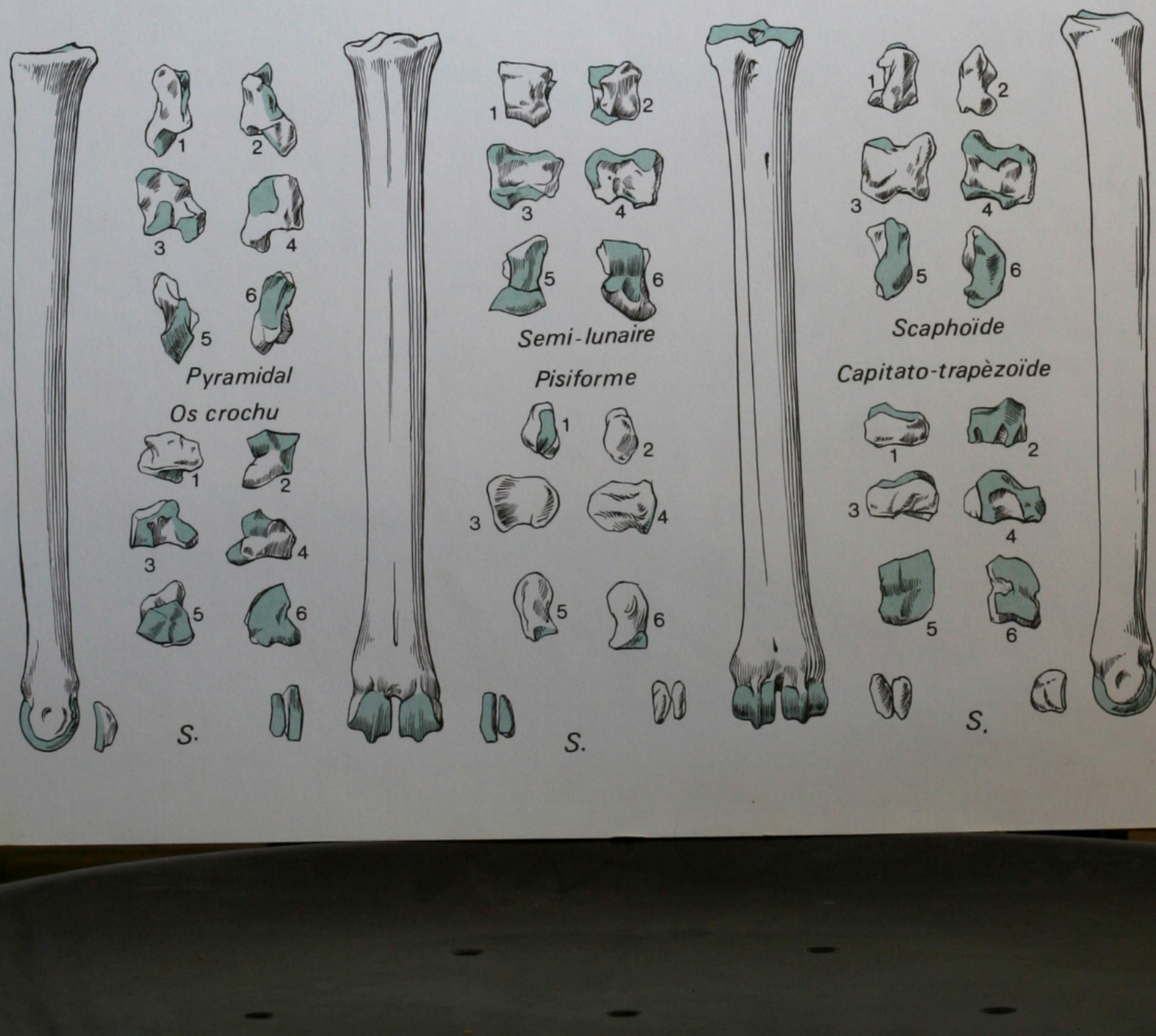
Main D. Carpe Métacarpe

Daim



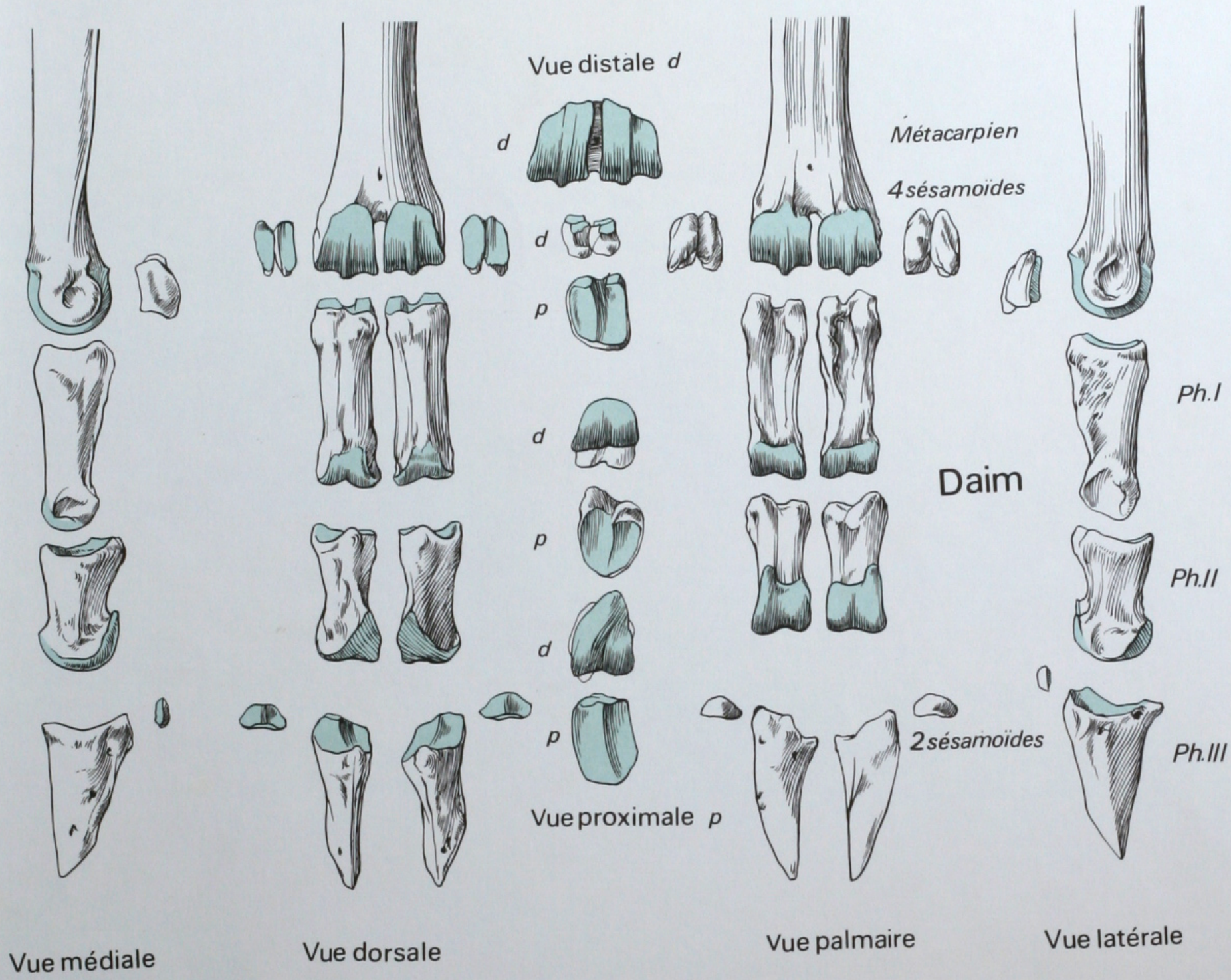
Vue dorsale 1
Vue palmaire 2
Vue distale 6
Vue médiale 3
Vue proximale 5
Vue latérale 4
Sésamoïdes: S.

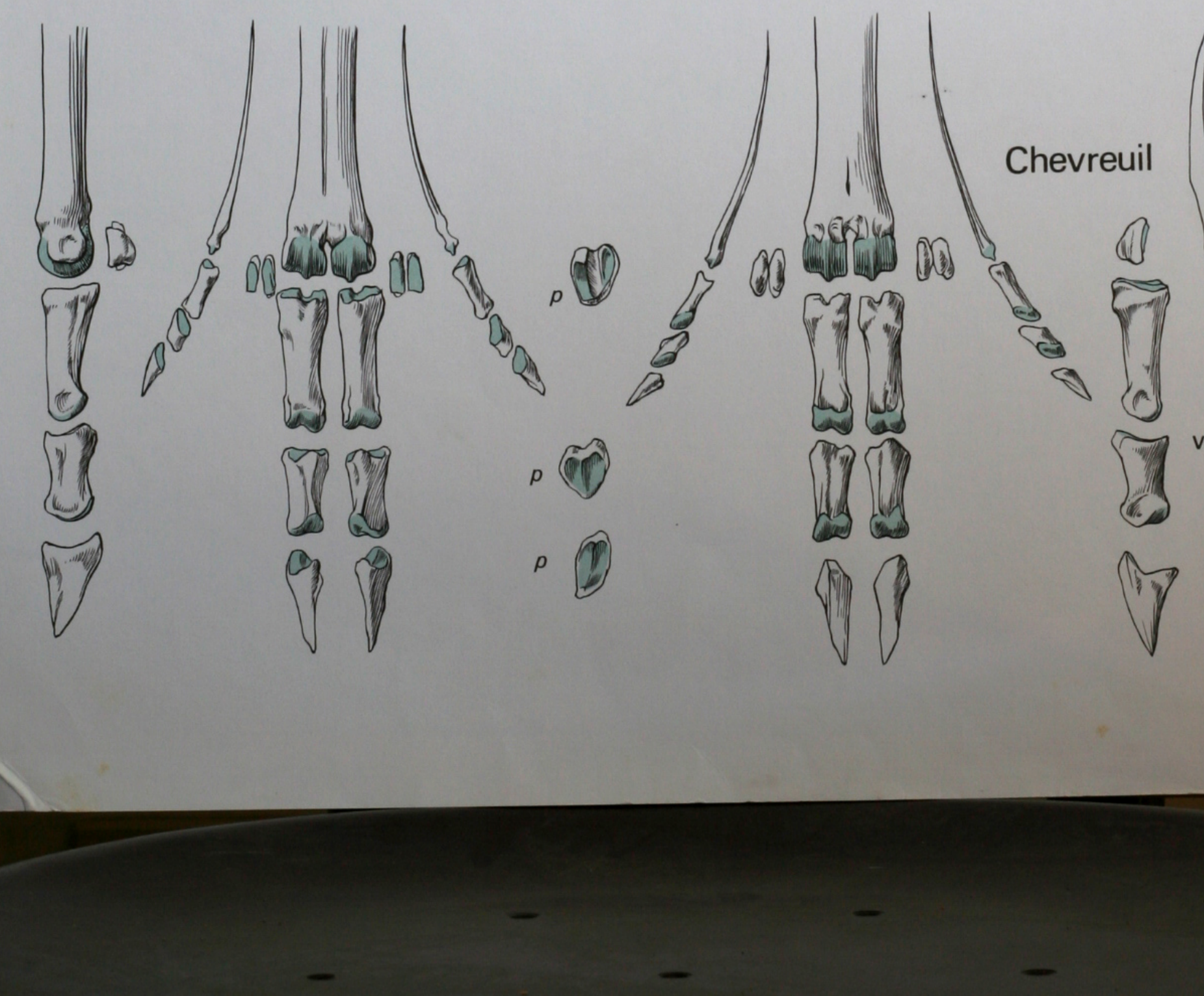
Chevreuil



Main D.

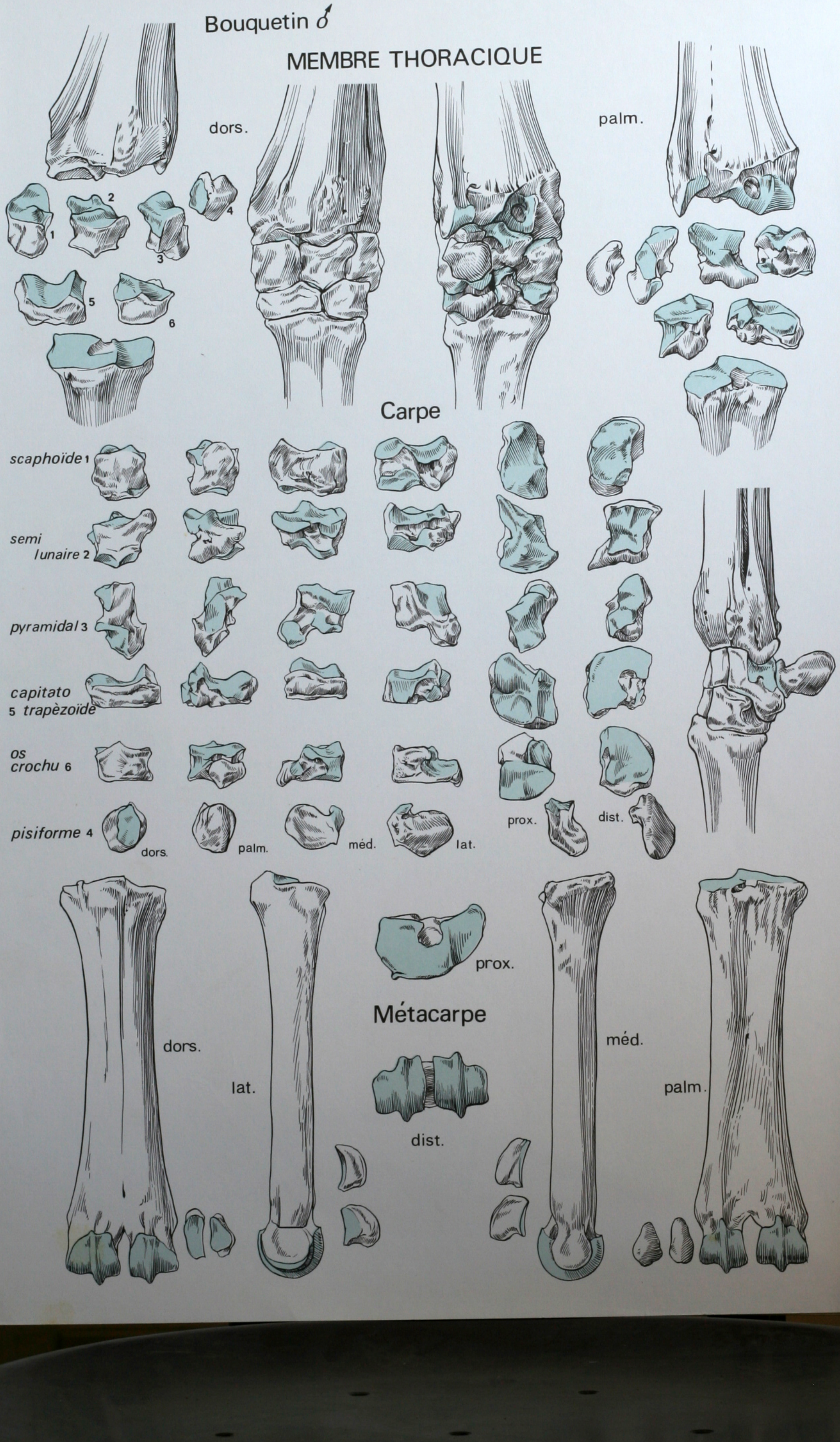
Doigts





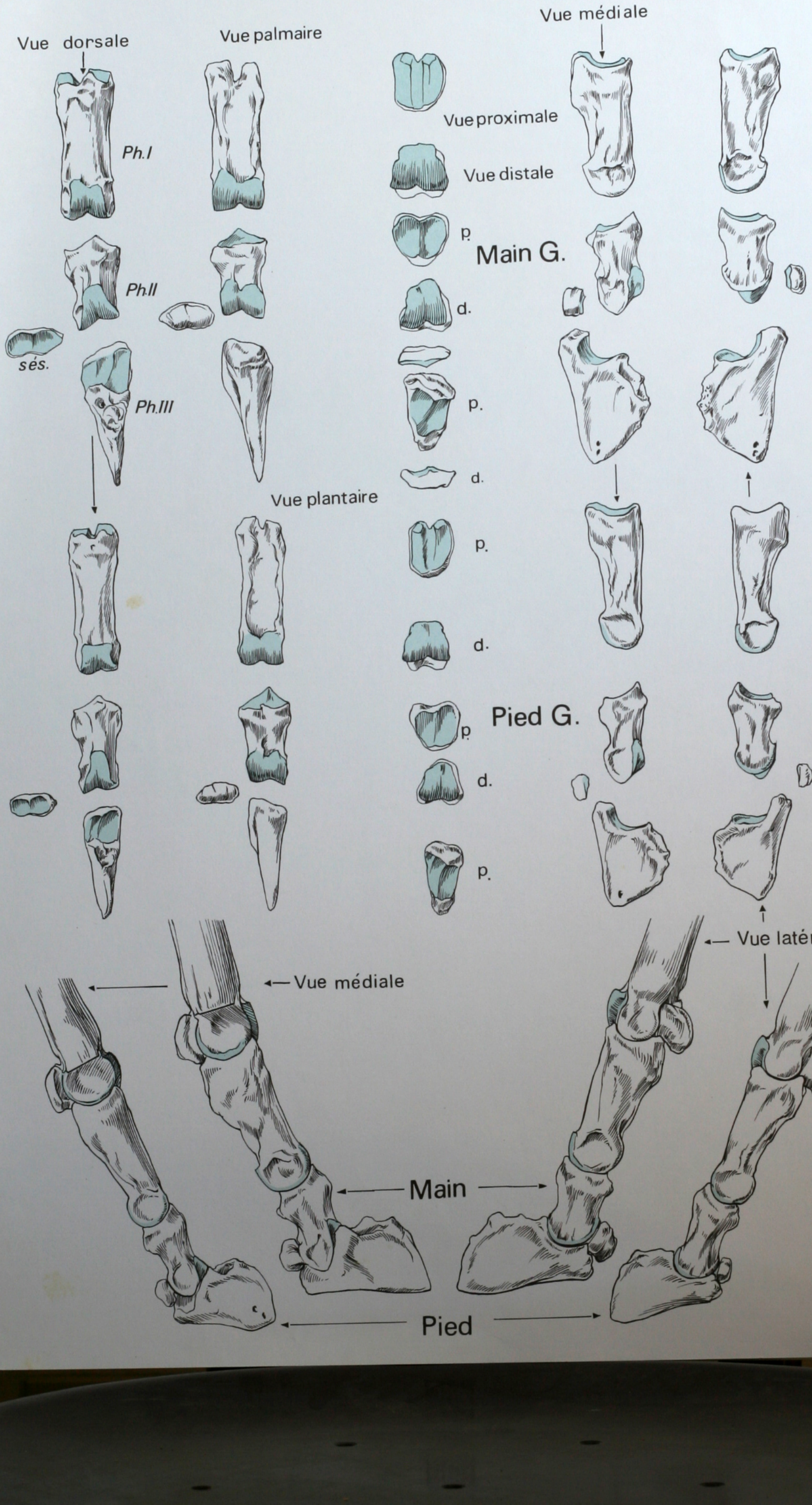
Bouquetin ♂

MEMBRE THORACIQUE



Bouquetin ♂

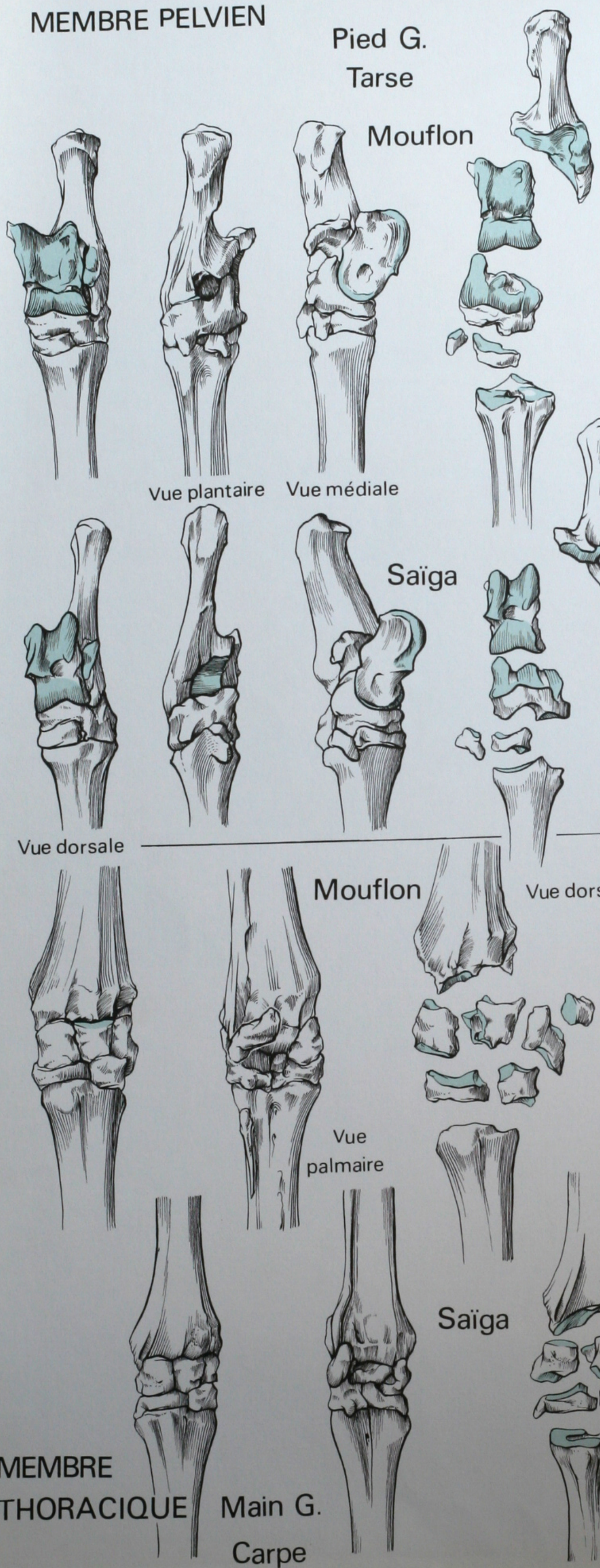
1er Doigt



MEMBRE PELVIEN

Pied G.
Tarse

Mouflon



Vue plantaire
Vue médiale
Vue dorsale

Saïga

Vue dorsale

MEMBRE THORACIQUE

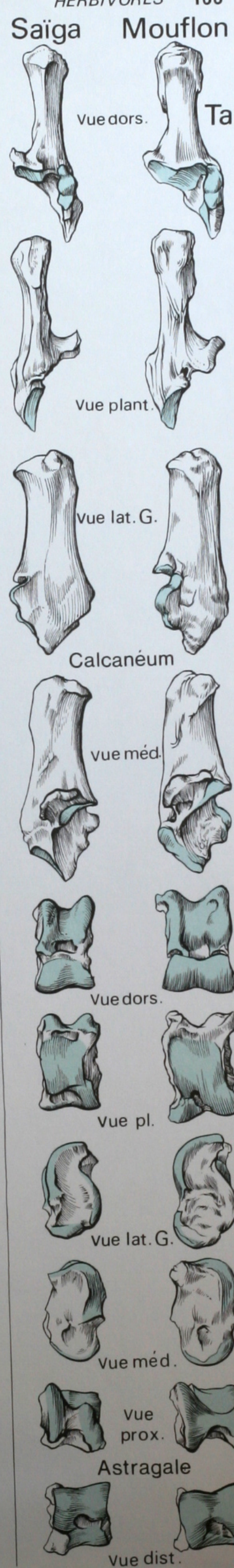
Main G.
Carpe

Mouflon

Vue dorsale
Vue palmaire

Saïga

Saïga



Vue dors.
Vue plant.

Mouflon

Vue dors.
Vue plant.

Tarse

Vue lat. G.

Calcanéum

vue méd.

Vue dors.

Vue pl.

Vue lat. G.

Vue méd.

vue prox.

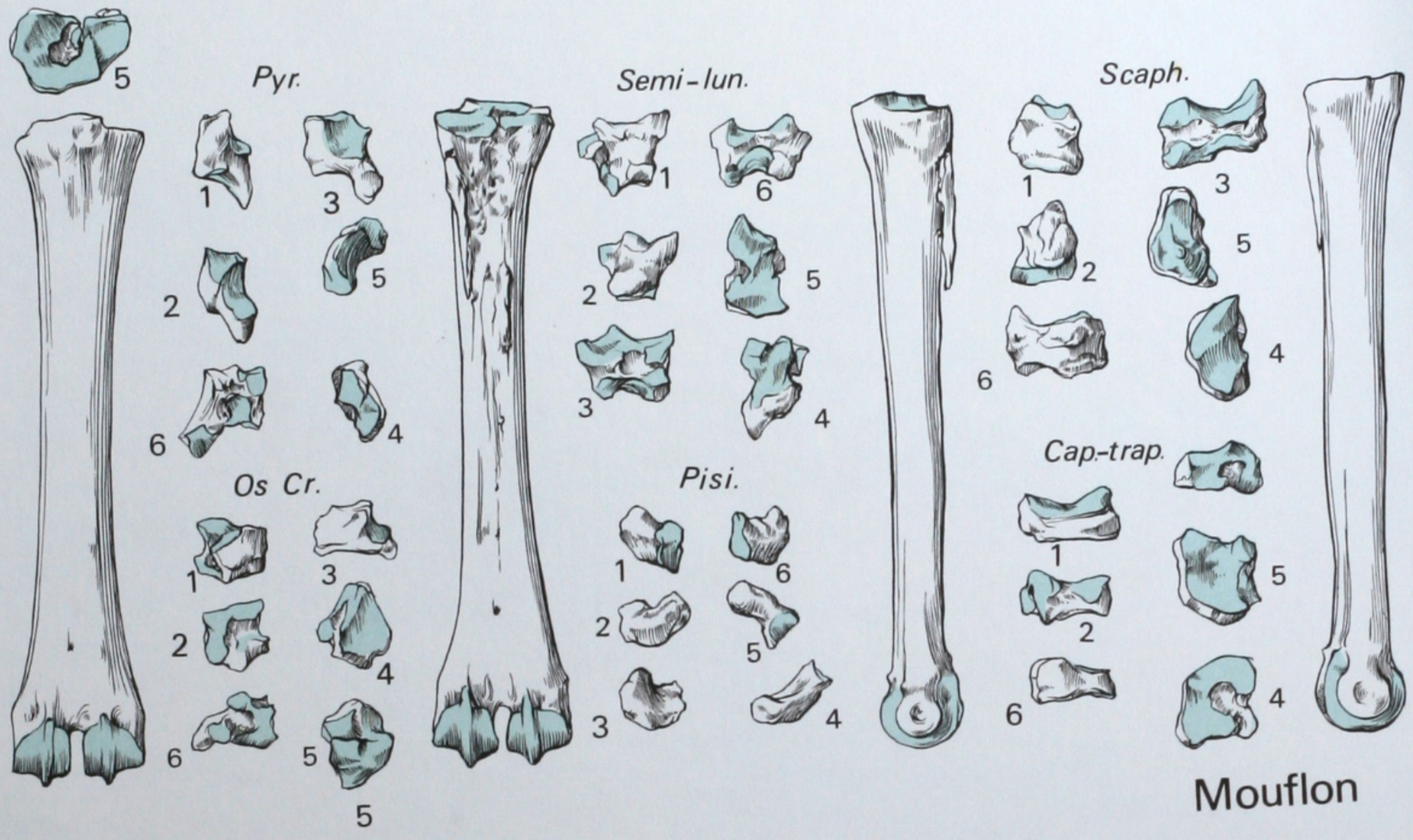
Astragale

Vue dist.

MEMBRE THORACIQUE

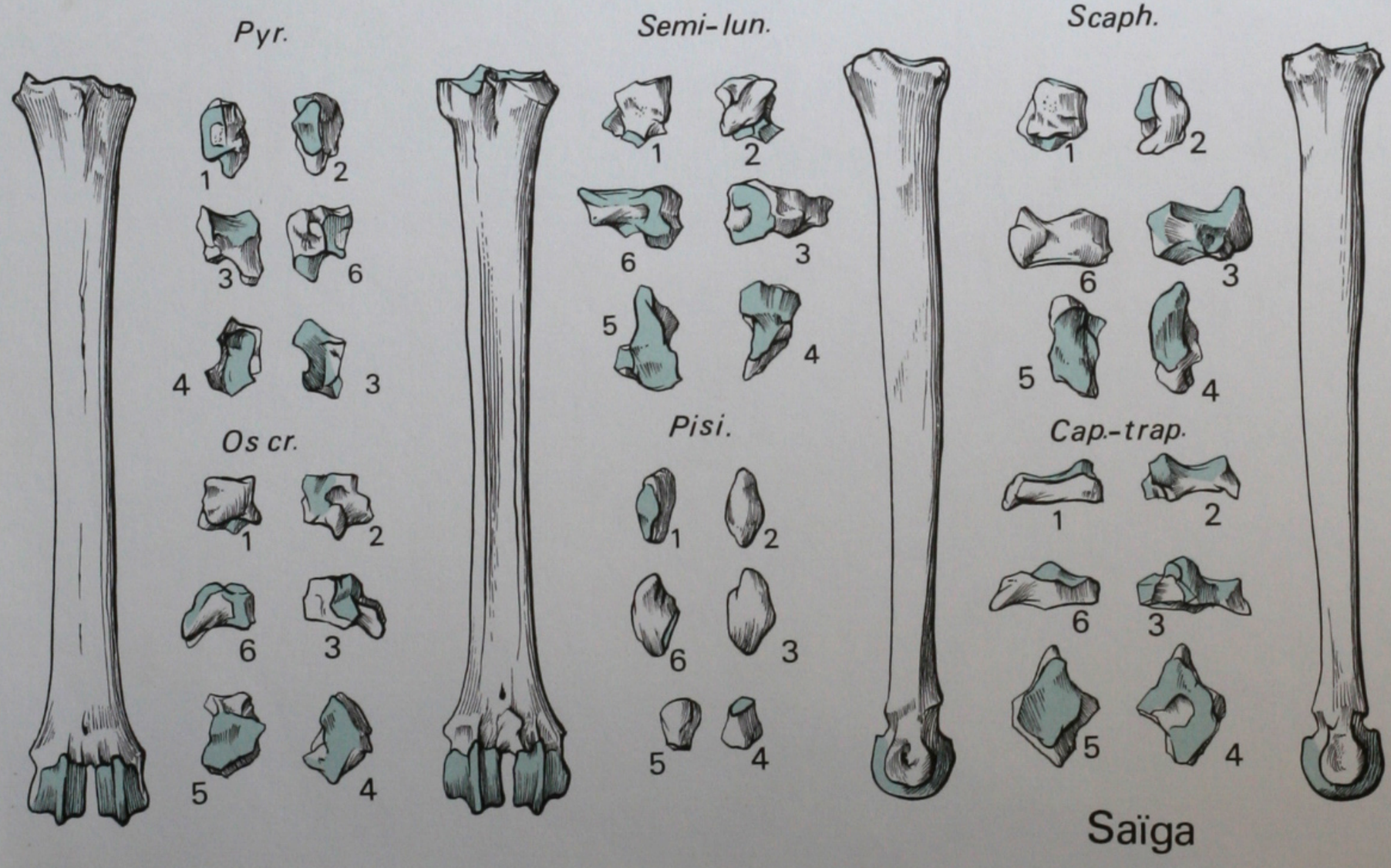
Main G.

Carpe Métacarpe



Mouflon

Vue dorsale 1
Vue palmaire 2
Vue latérale G. 3
Vue distale 4
Vue proximale 5
Vue médiale 6

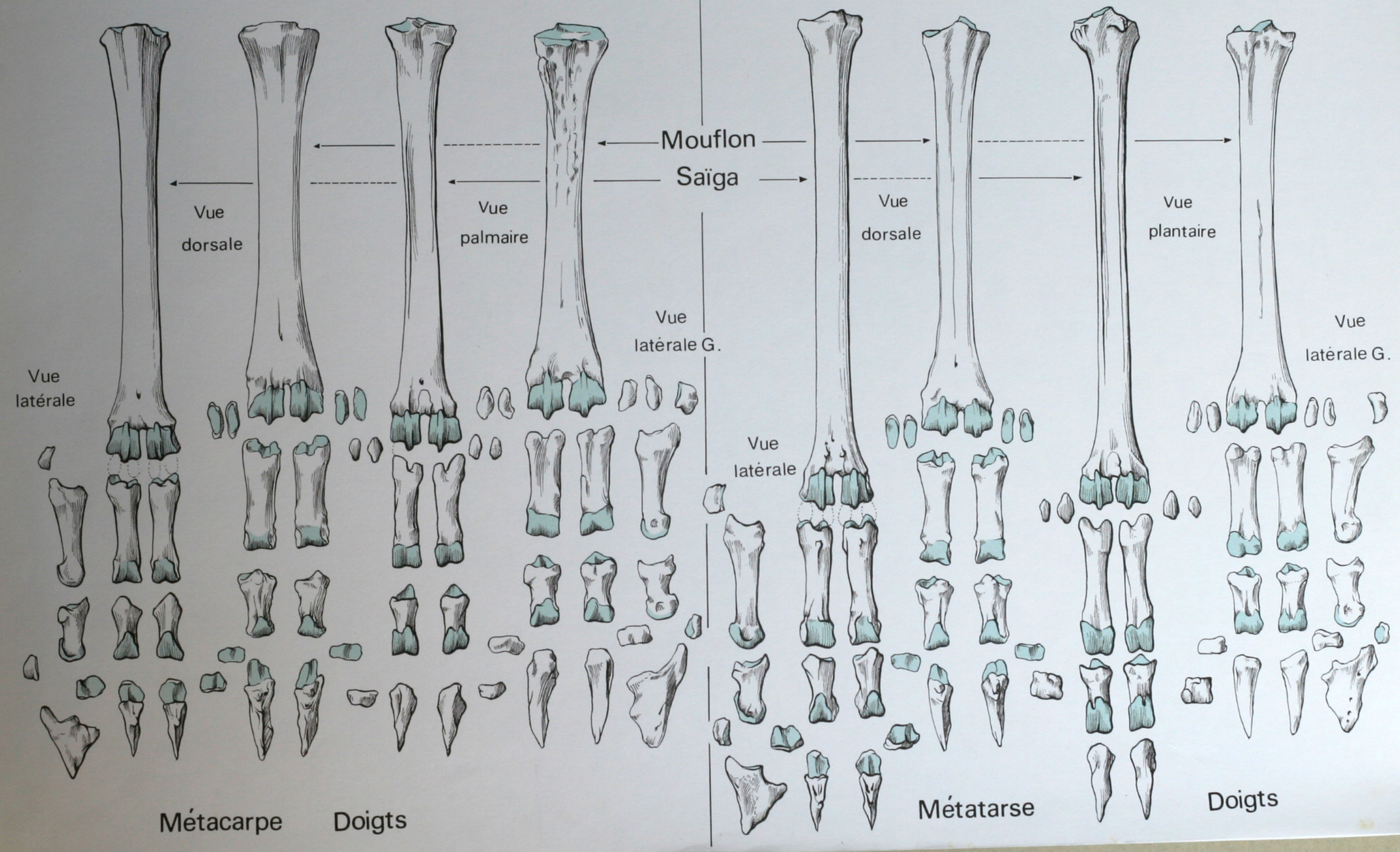


Saïga

Vue dorsale
Vue palmaire
Vue médiale
Vue latérale G.

MEMBRE THORACIQUE Main G.

MEMBRE PELVIEN Pied G.



MEMBRE PELVIEN

HERBIVORES

Fémur et Rotule D.

Chevreuil

Vue antérieure

Vue médiale

ant.

post.

med.

lat.

prox.

dist.

Vue latérale

Vue postérieure

Vue distale

ant.

post.

prox.

dist.

méd.

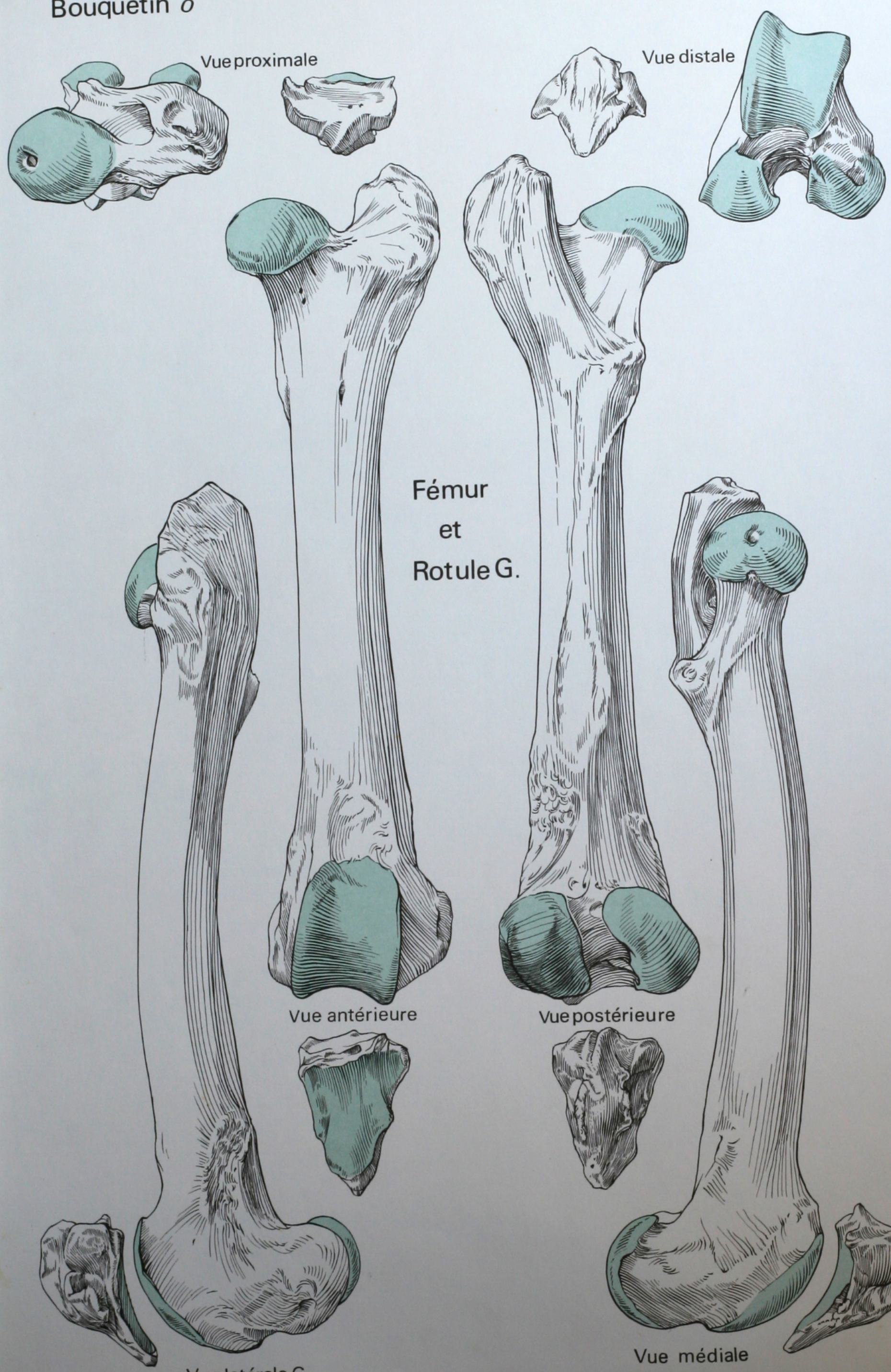
lat.

Vue distale

Daim

MEMBRE PELVIEN

Bouquetin ♂



MEMBRE PELVIEN

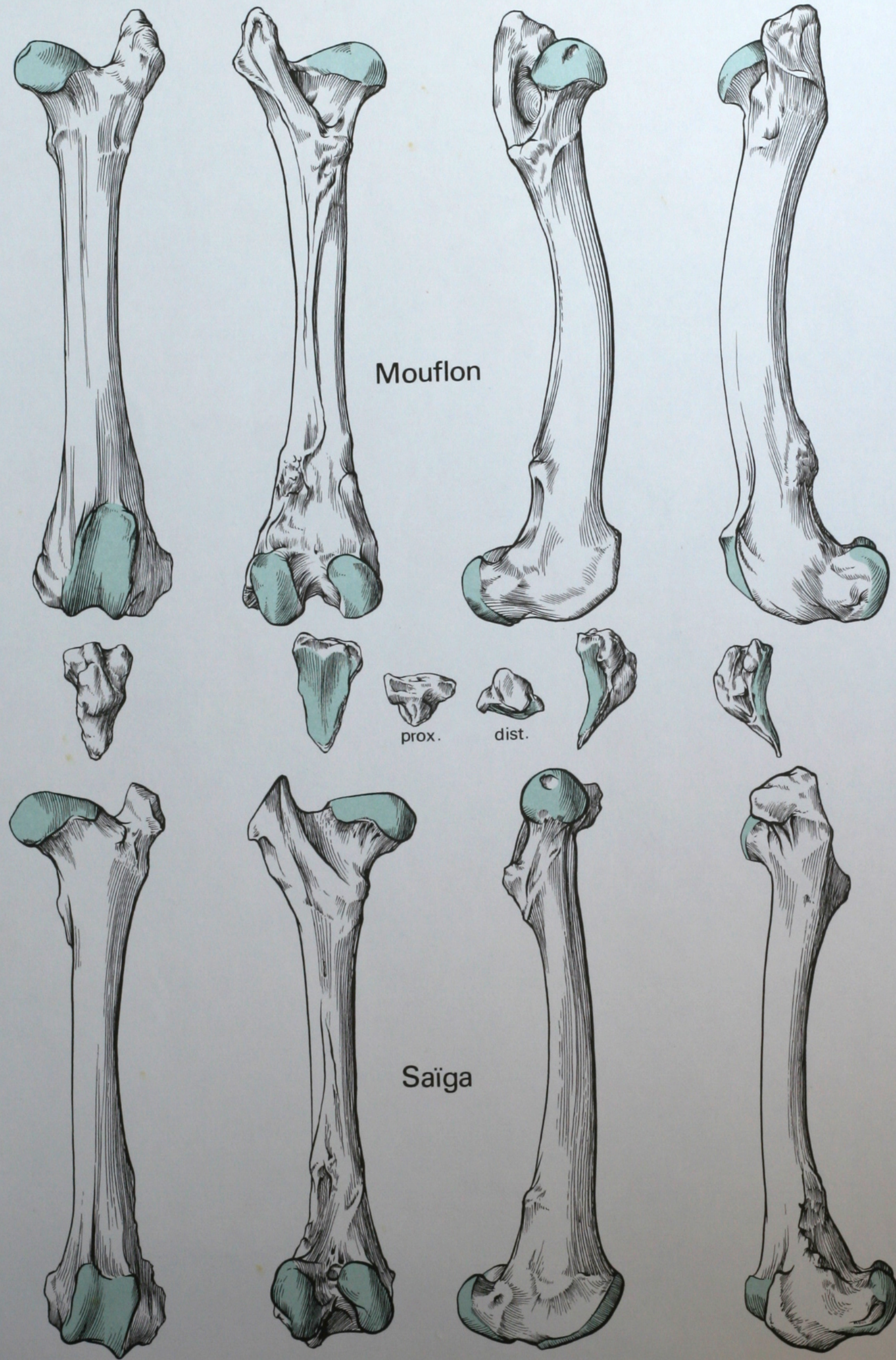
Fémur Rotule G.

Vue antérieure

Vue postérieure

Vue médiale

Vue latérale G.



Mouflon

Saïga

MEMBRE PELVIEN

Tibia Péroné D.

Os malléolaire

Vue antérieure

Vue postérieure

Vue médiale

Vue latérale

Vue proximale

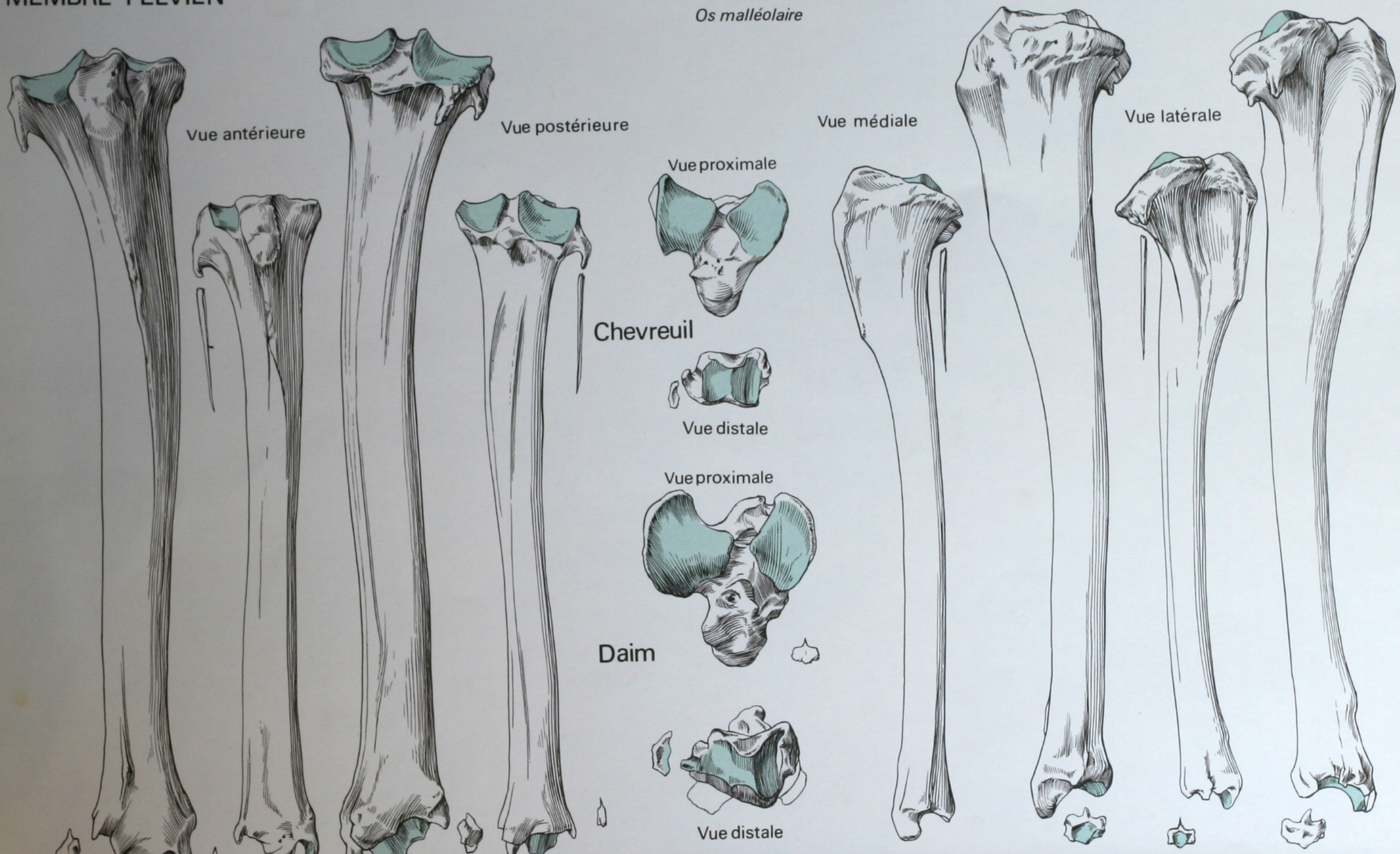
Chevreuil

Vue distale

Vue proximale

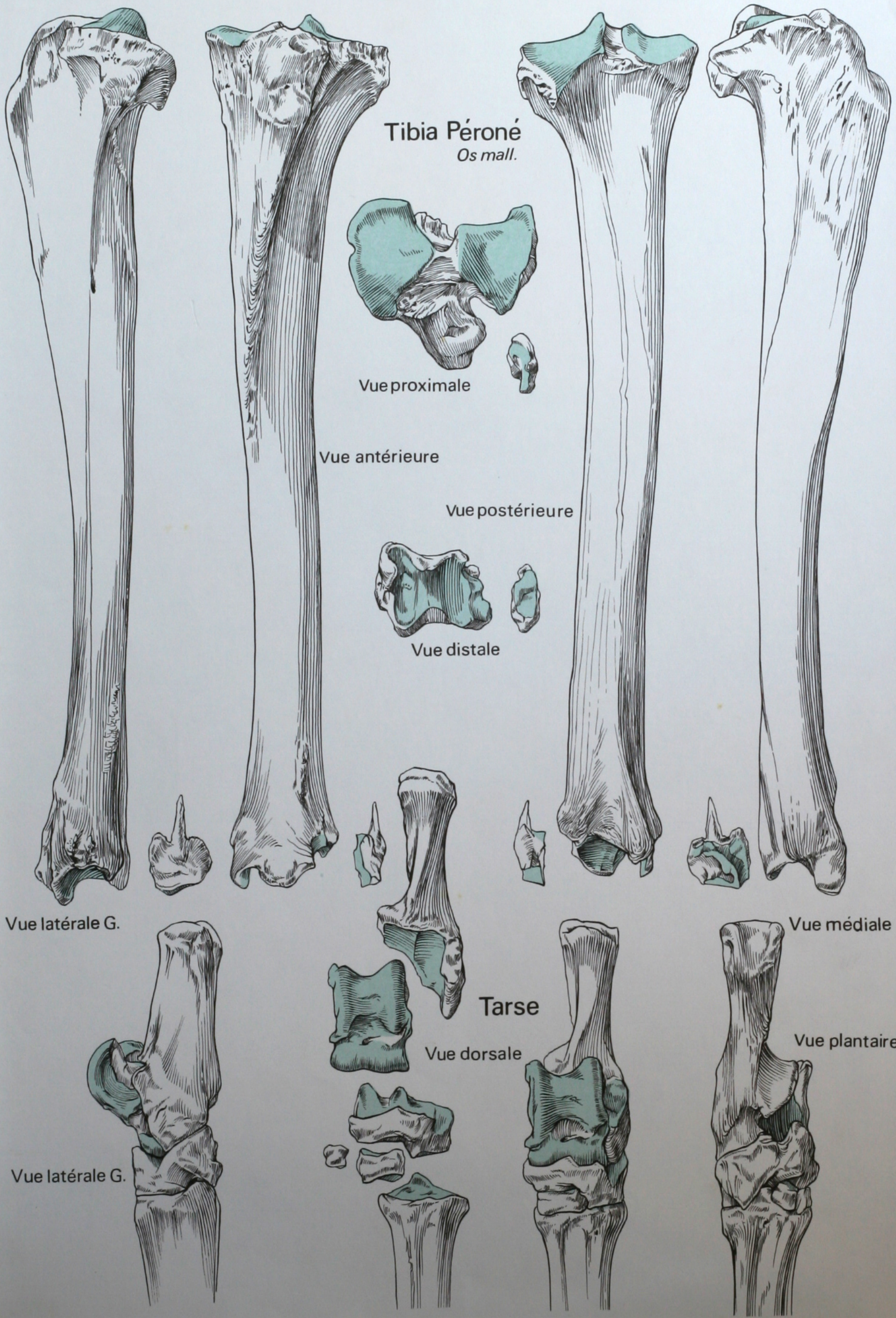
Daim

Vue distale



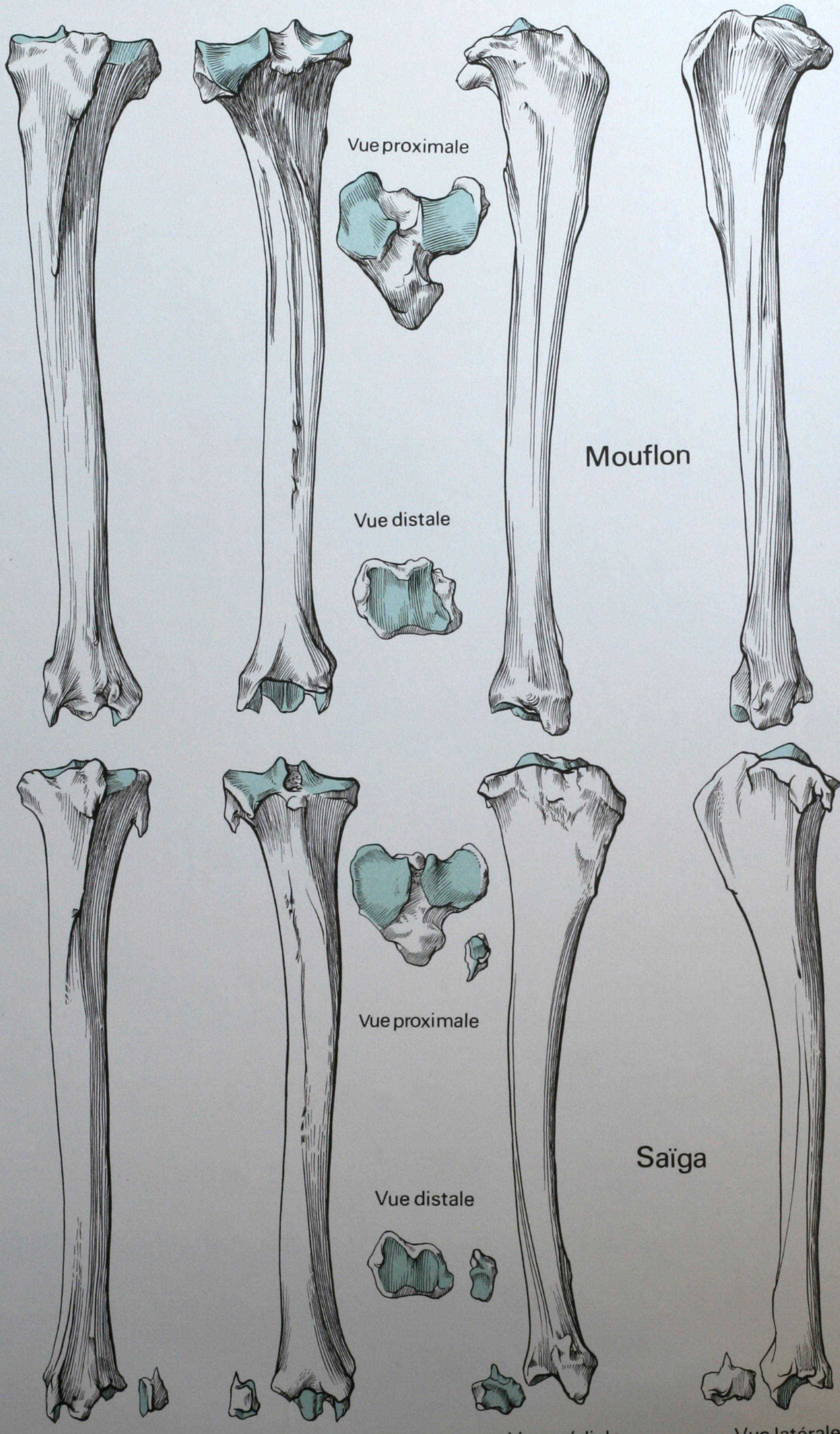
Bouquetin ♂

MEMBRE PELVIEN



Tibia Péroné G.

Os malléolaire



MEMBRE PELVIEN Pied D.

Vue médiale

Scapho-cuboïde

G.d Cunéiforme

P.t Cunéiforme

Scapho-cuboïde

G.d Cunéiforme

P.t Cunéiforme

Vue dorsale

Tarse

Métatarse

Sésamoïdes

Vue plantaire

p

p

p

d

d

d

Vue latérale

Daim

Vue proximale: *p*

Vue distale: *d*

Scapho-cuboïde

G.d Cunéiforme

Scapho-cuboïde

G.d Cunéiforme

p

p

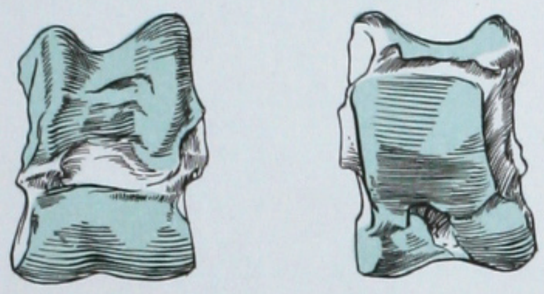
d

d

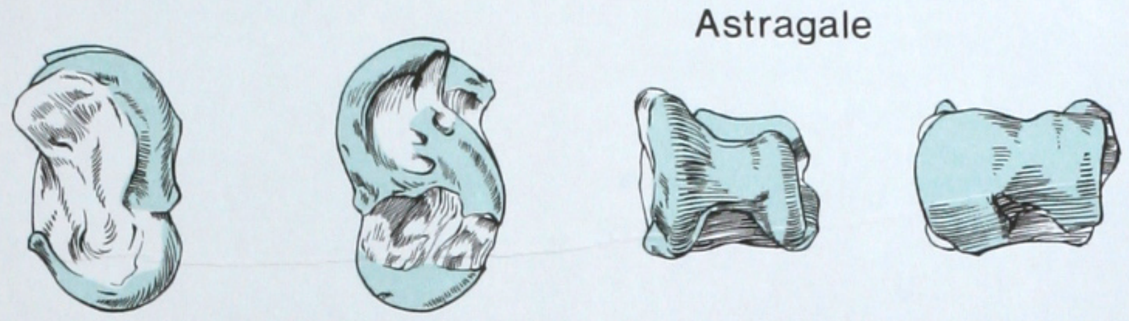
Chevreuil

Bouquetin ♂

MEMBRE PELVIEN

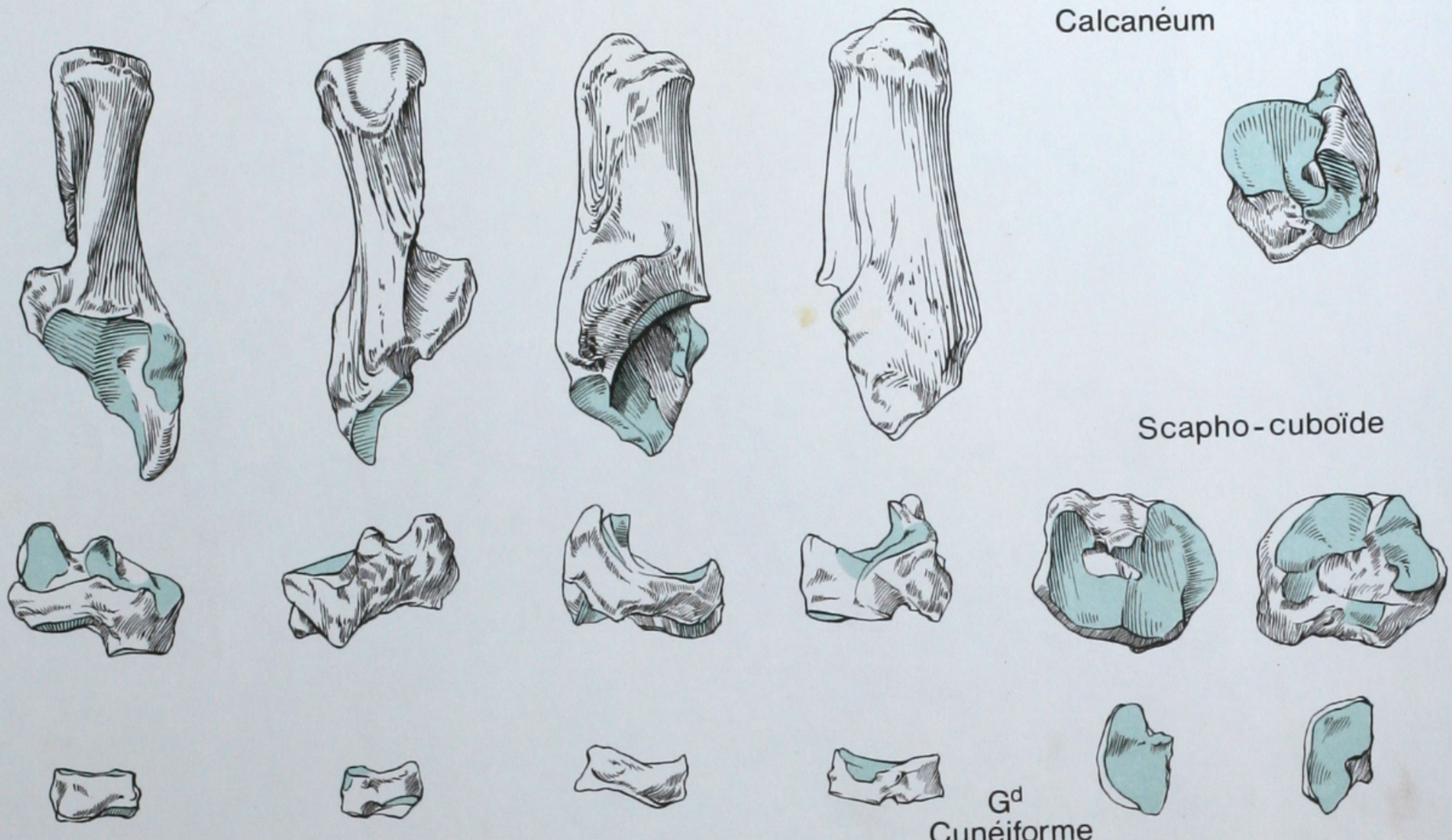


Astragale



Tarse

Calcanéum



Scapho-cuboïde

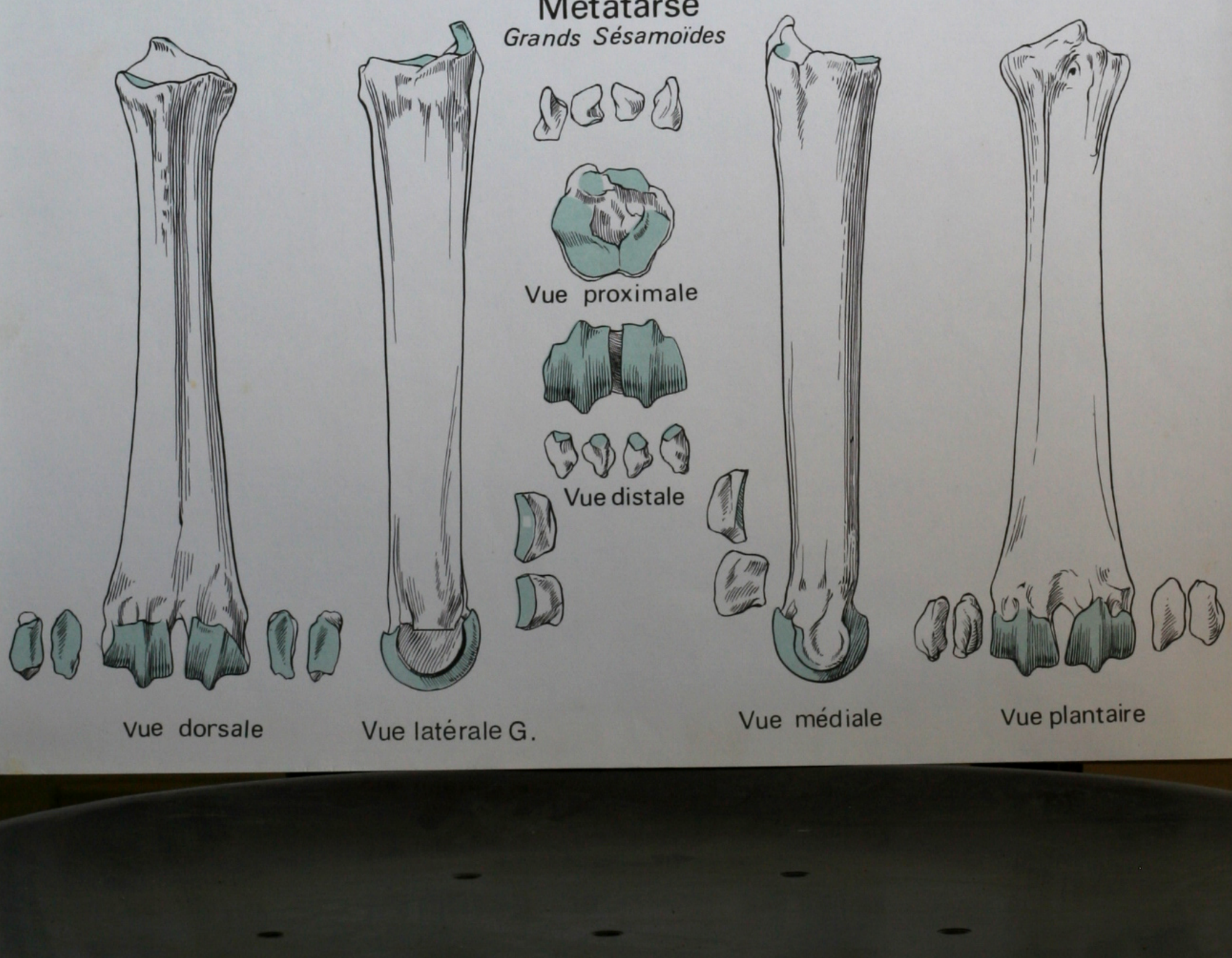
Gd Cunéiforme

Ptit Cunéiforme

Vue dorsale | Vue plantaire | Vue médiale | Vue latérale G. | Vue proximale | Vue distale

Métatarse

Grands Sésamoïdes



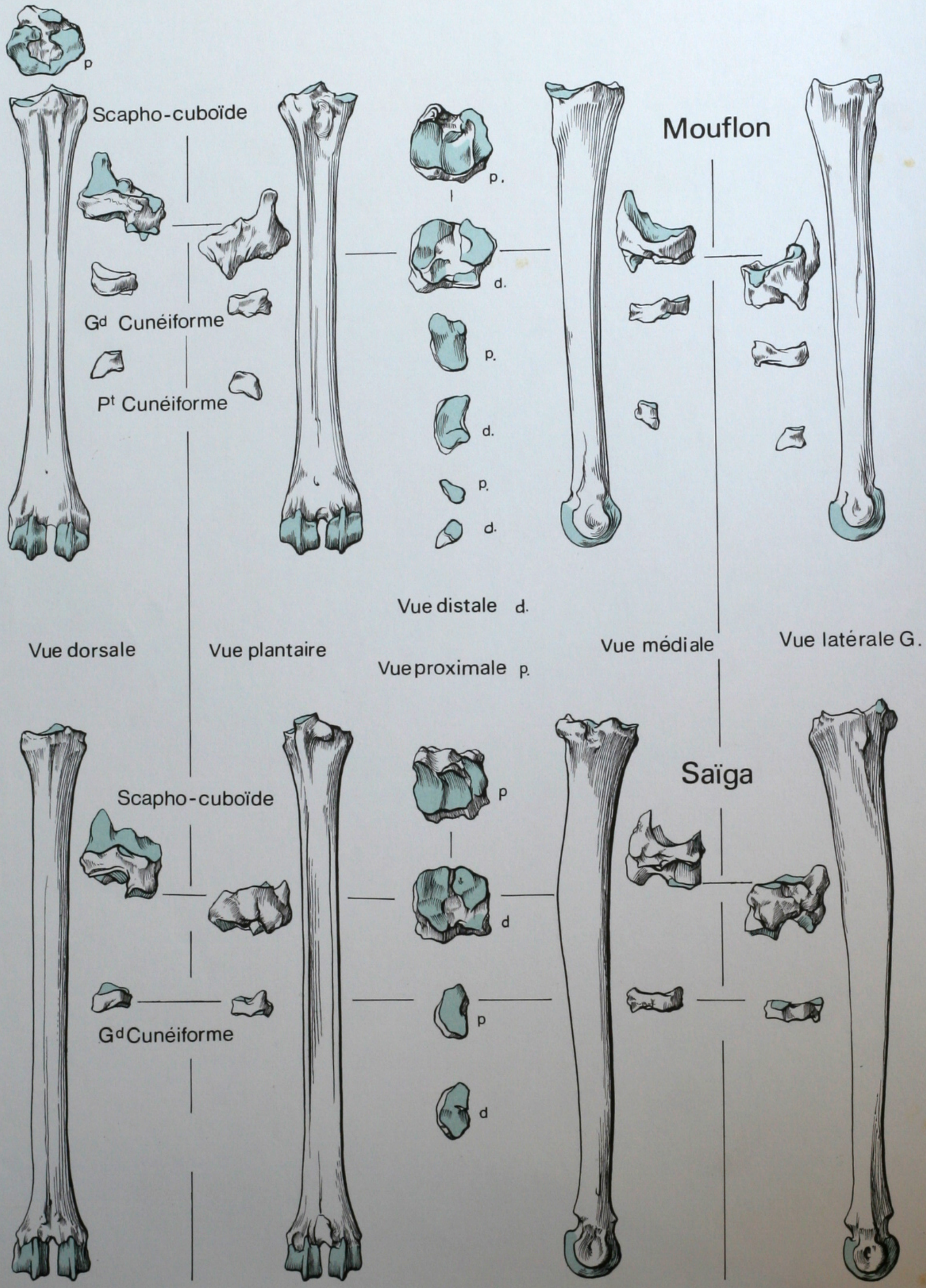
Vue proximale

Vue distale

Vue dorsale | Vue latérale G. | Vue médiale | Vue plantaire

Pied G.

Tarse Métatarse



Pied D. Doigts

Vue distale *d*

Vue proximale *p*

Métatarsien

4 sésamoïdes

Ph.I

Ph.II

Ph.III

Daim

2 sésamoïdes

Vue médiale

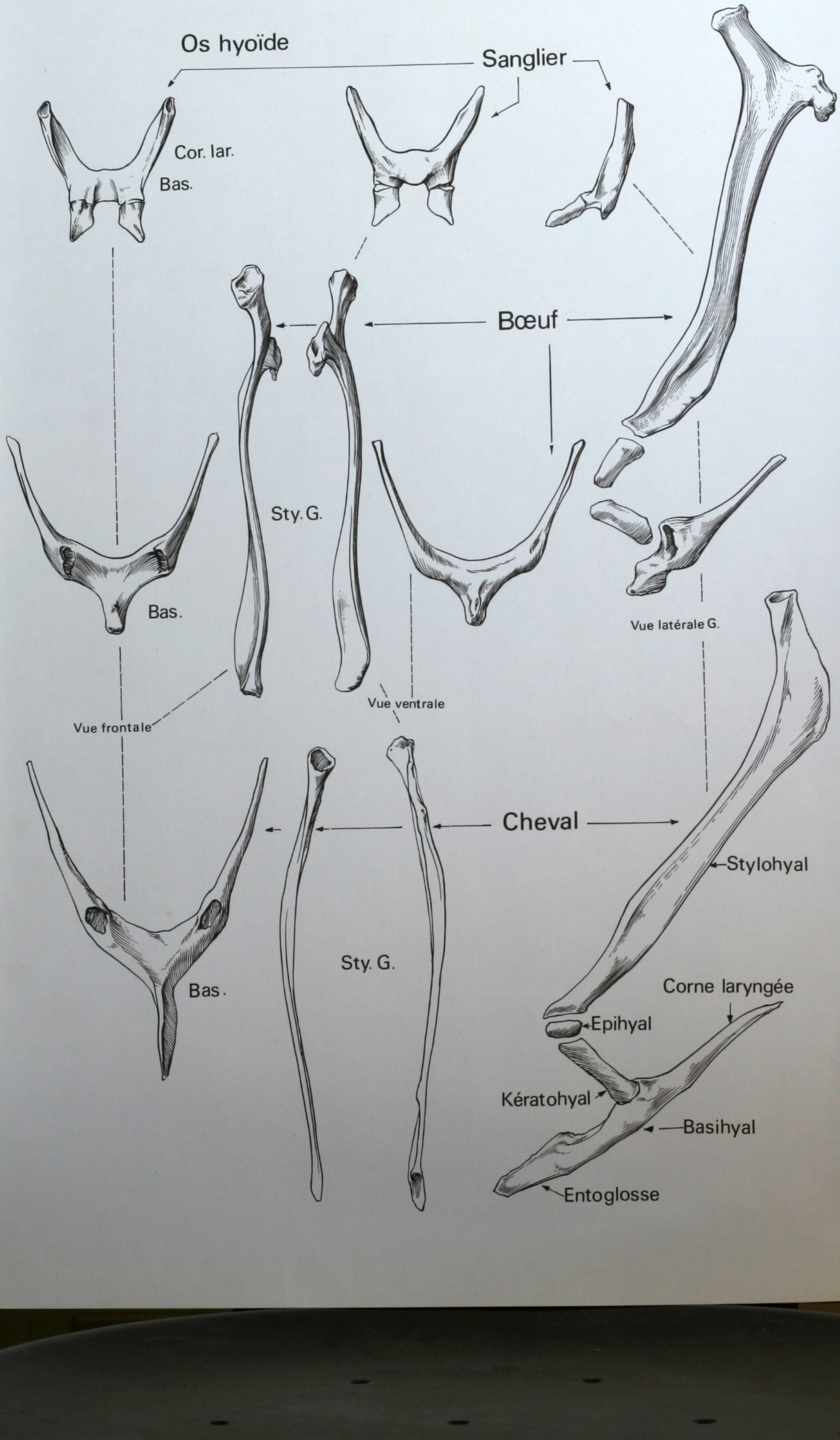
Vue dorsale

Vue plantaire

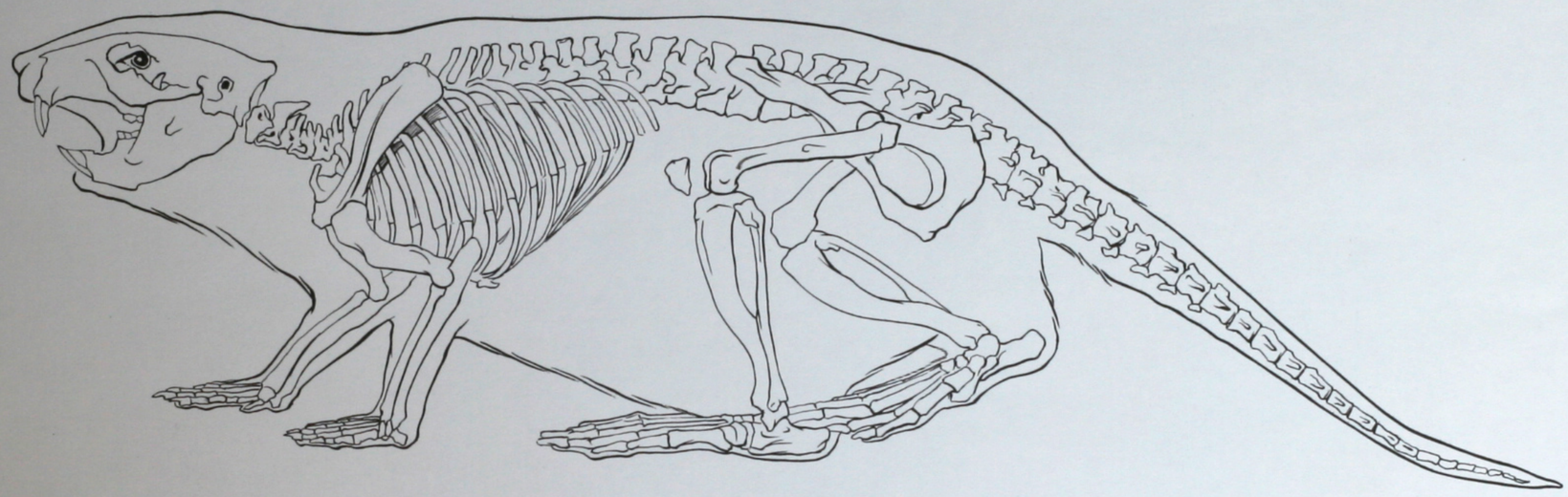
Vue latérale

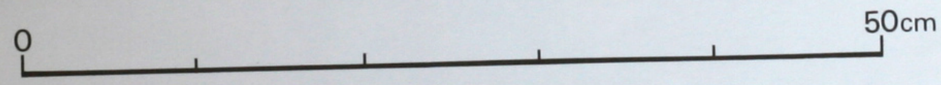
Vue proximale

Chevreuil

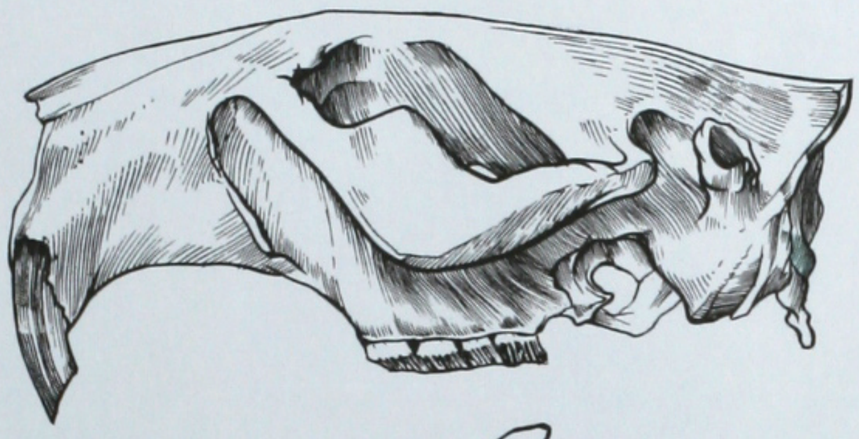

Os hyoïde
Sanglier
Cor. lar.
Bas.
Bœuf
Sty. G.
Bas.
Vue latérale G.
Vue frontale
Vue ventrale
Cheval
Stylohyal
Sty. G.
Bas.
Corne laryngée
Epihyal
Kératohyal
Basihyal
Entoglosse

Castor

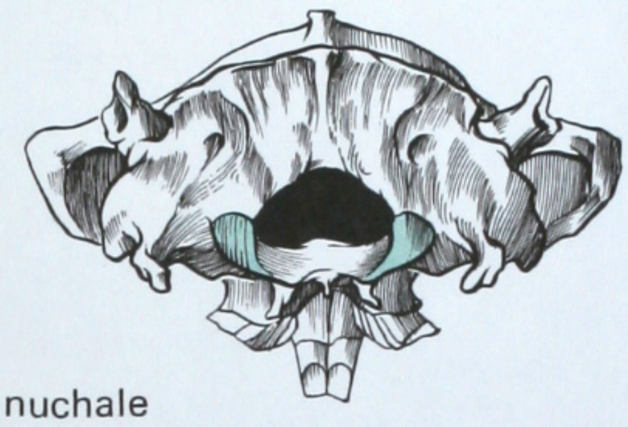




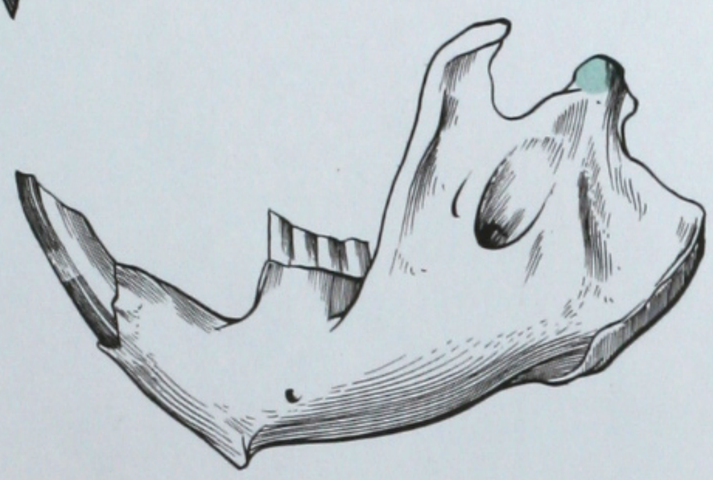
Castor



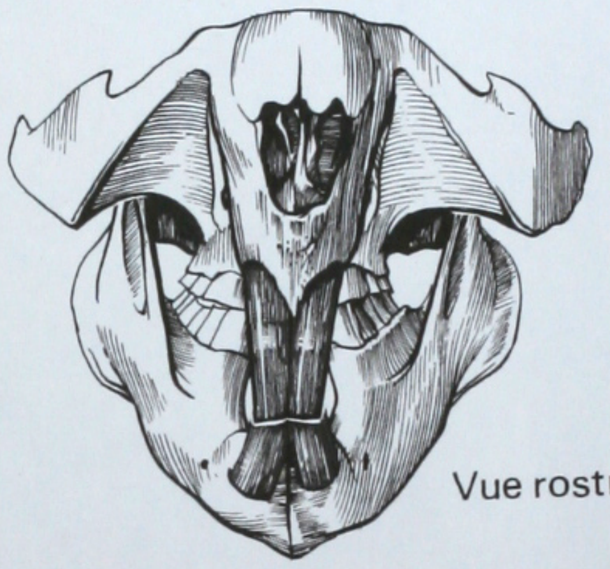
Crâne



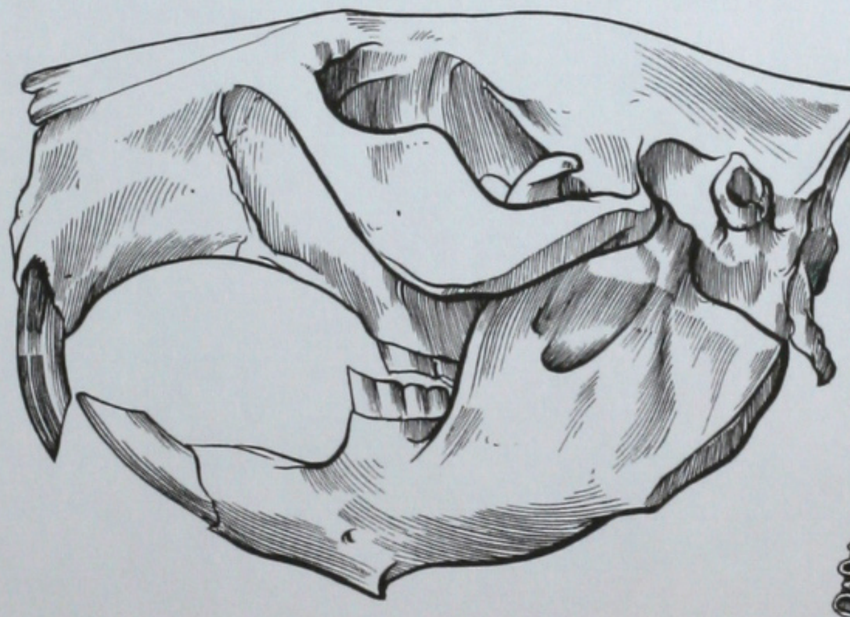
Vue nuchale



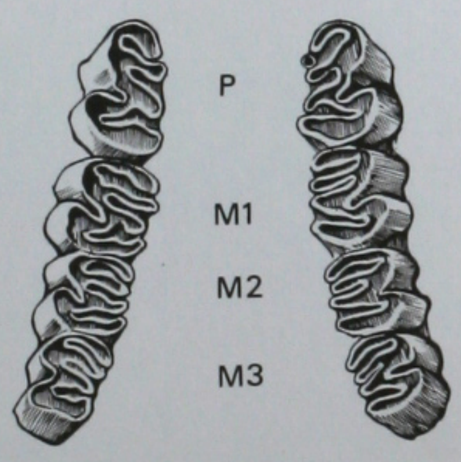
Vue latérale G.



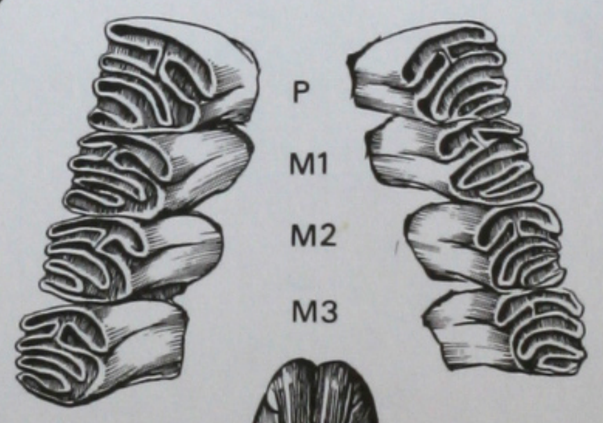
Vue rostrale



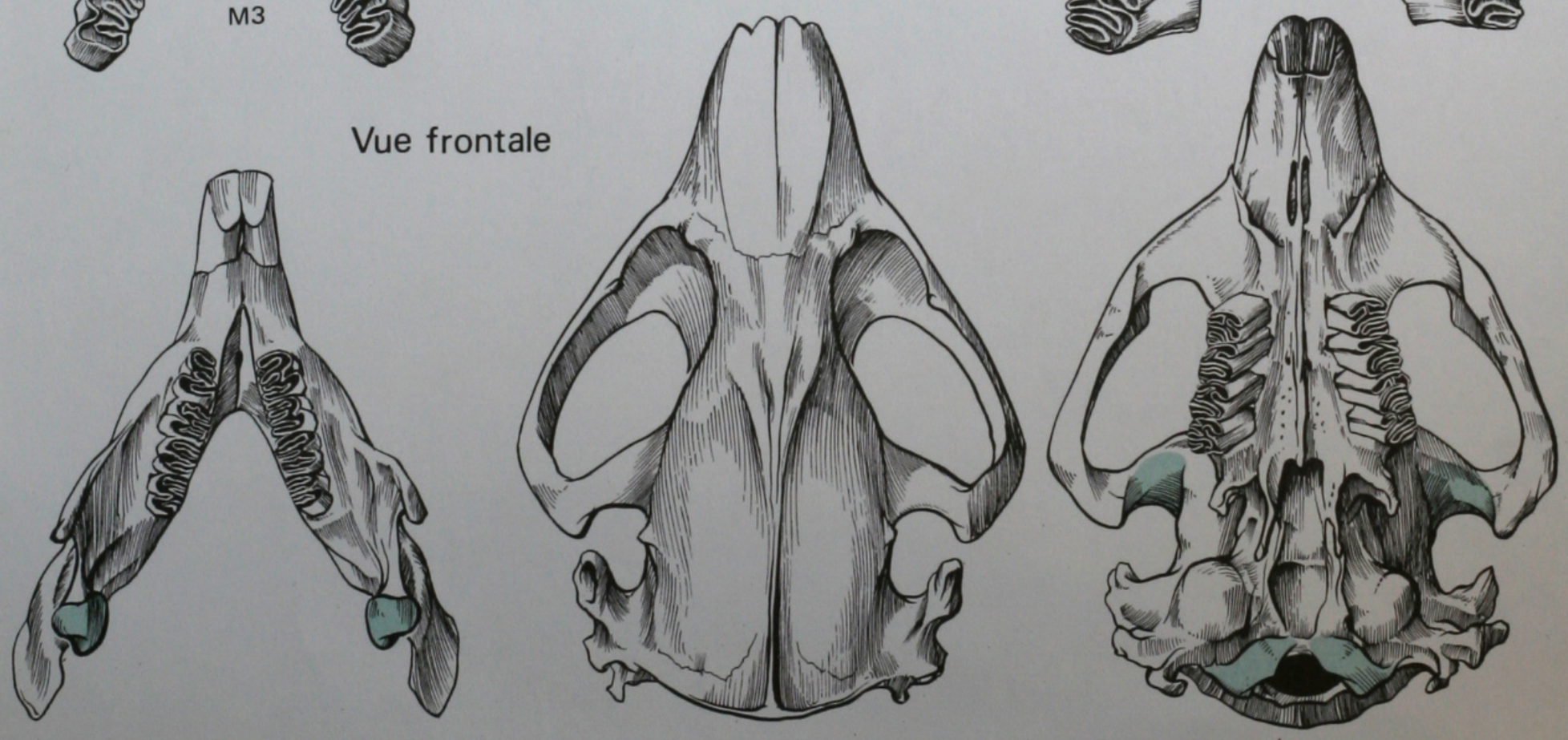
Mandibules



Dents GNx2



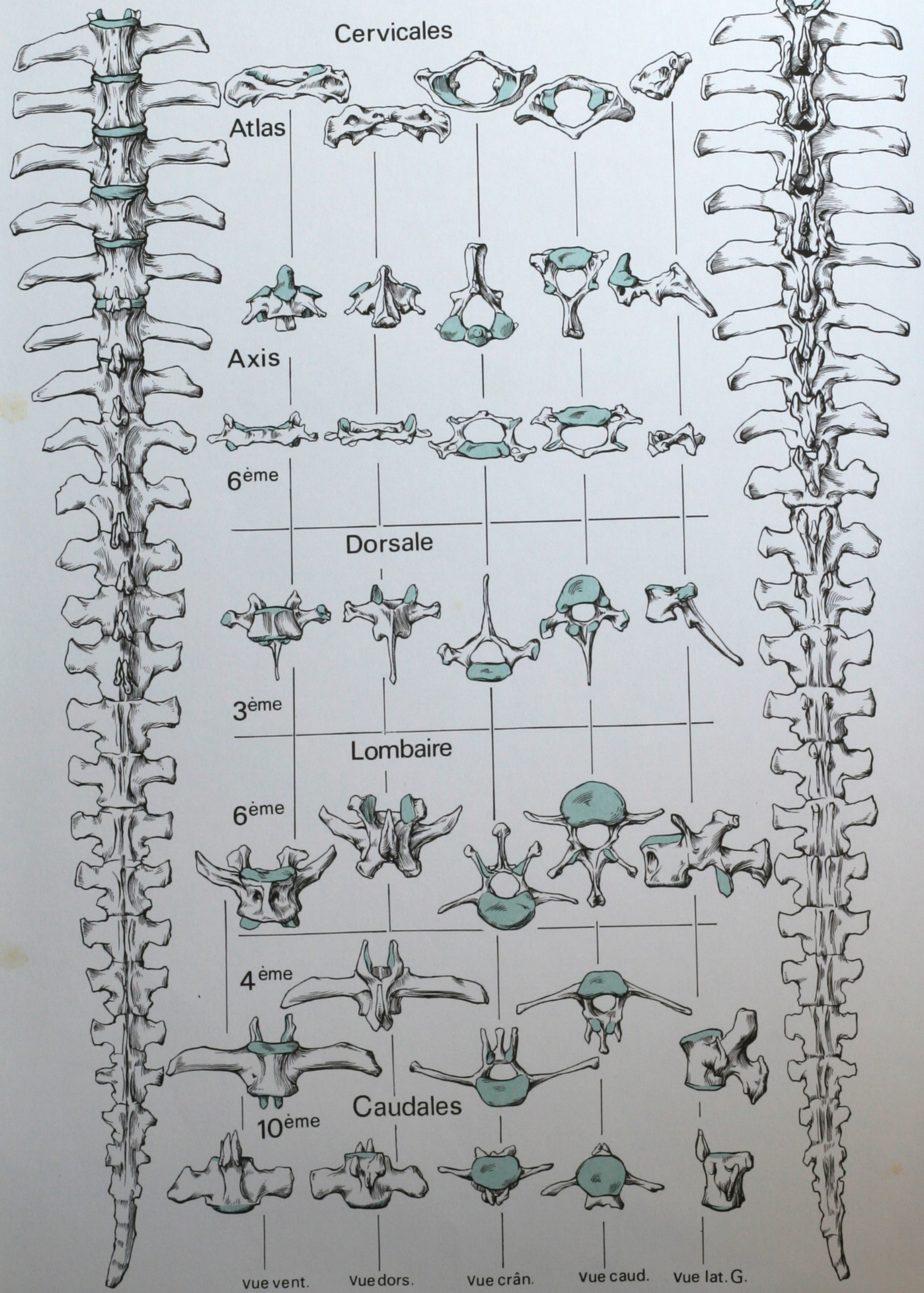
Vue frontale



Vue ventrale

RACHIS

Castor



CEINTURE SCAPULAIRE

Castor



Angle ventral



Vue médiale

Omoplate D.



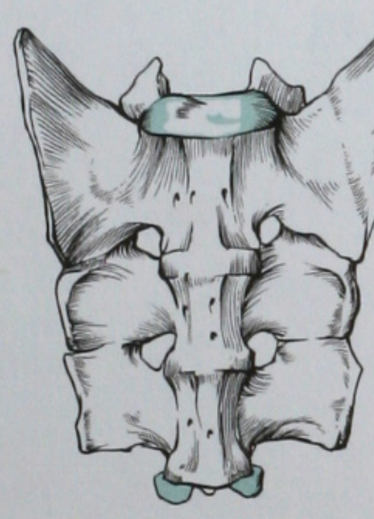
Vue latérale

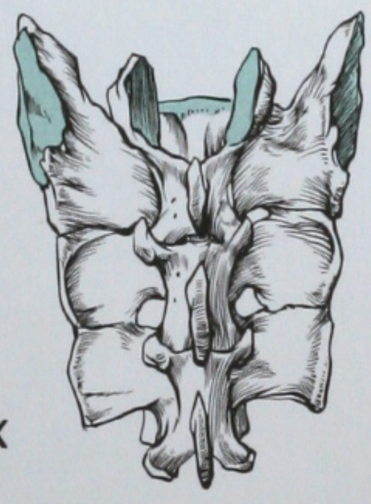


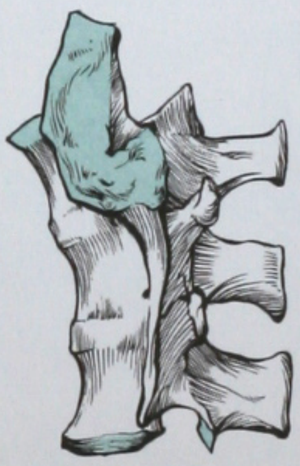
Bord crânial

CEINTURE PELVIENNE

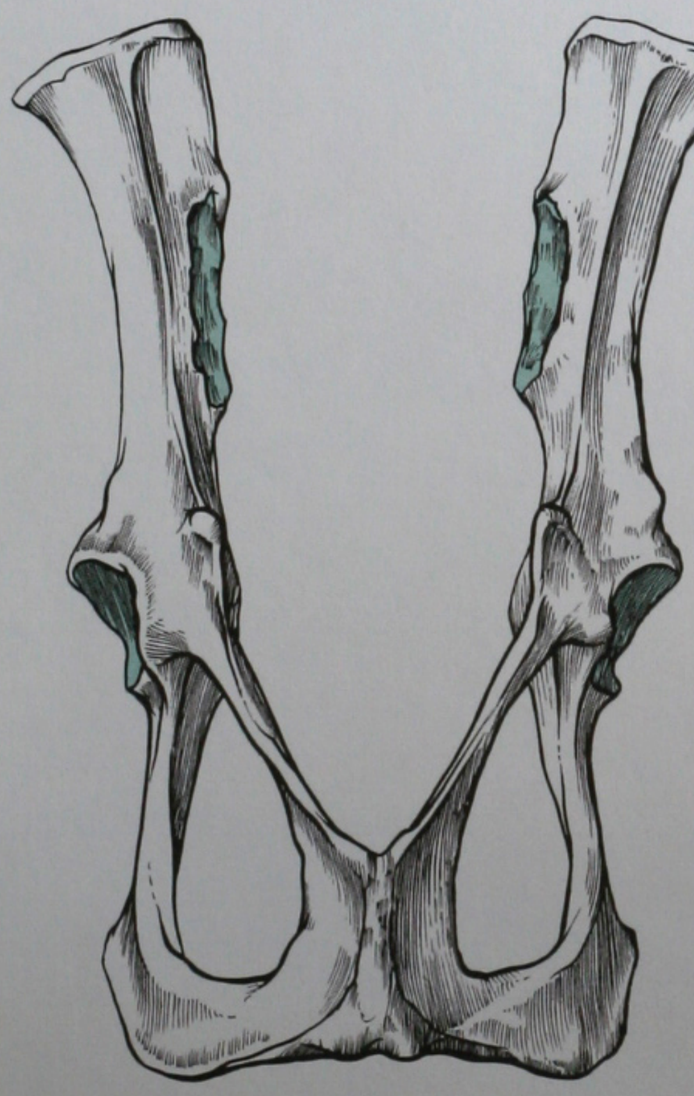
Sacrum



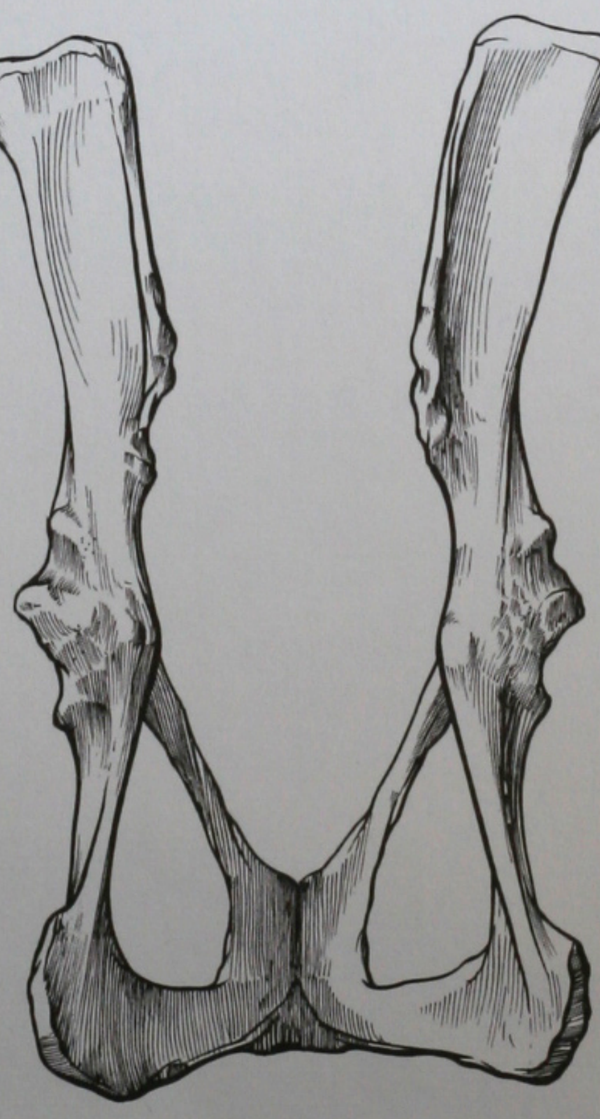




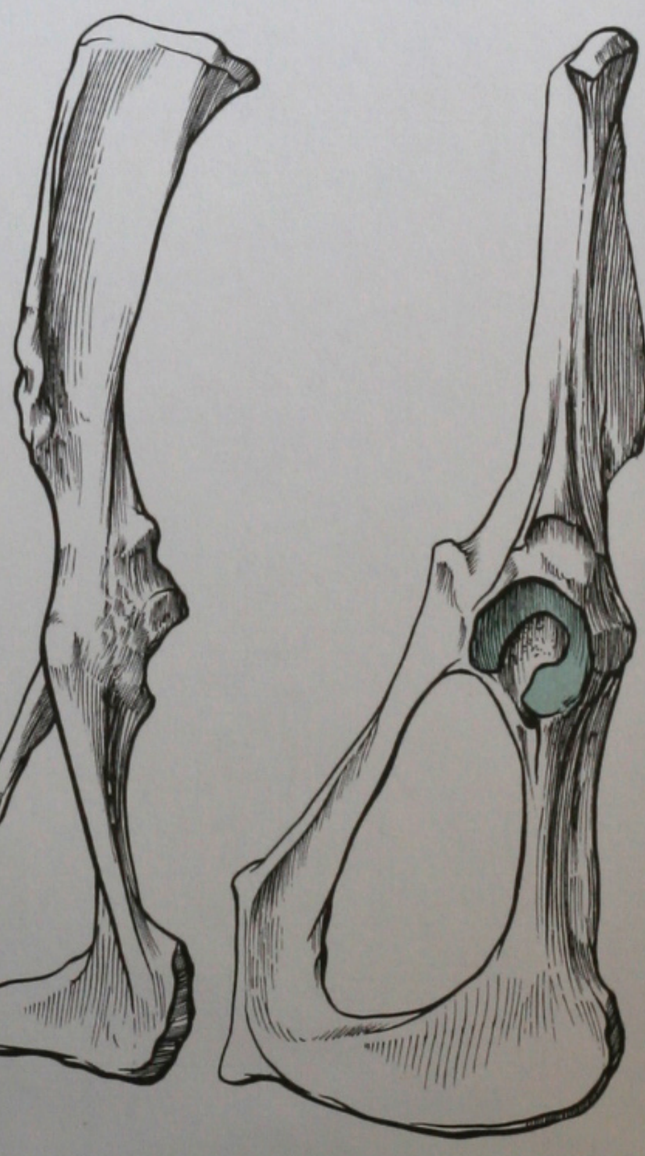
Os coxaux



vue vent



Vue dorsale

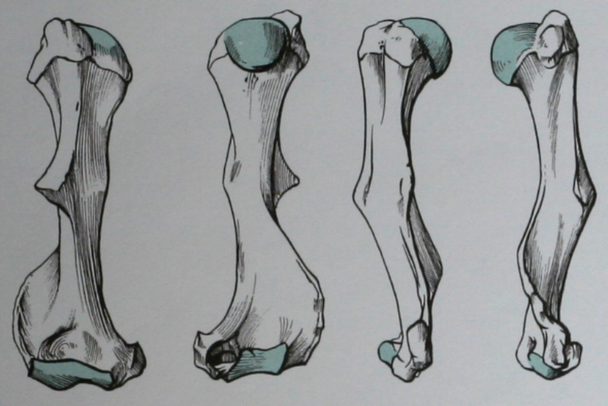


Vue latérale G.

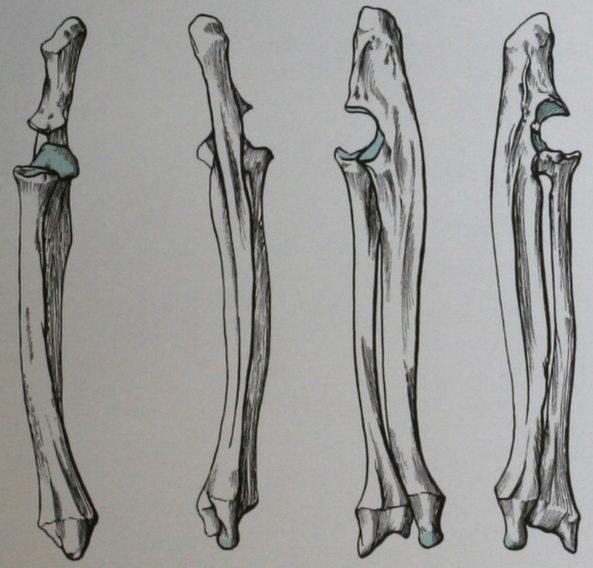
MEMBRE THORACIQUE D.

Humérus

Castor



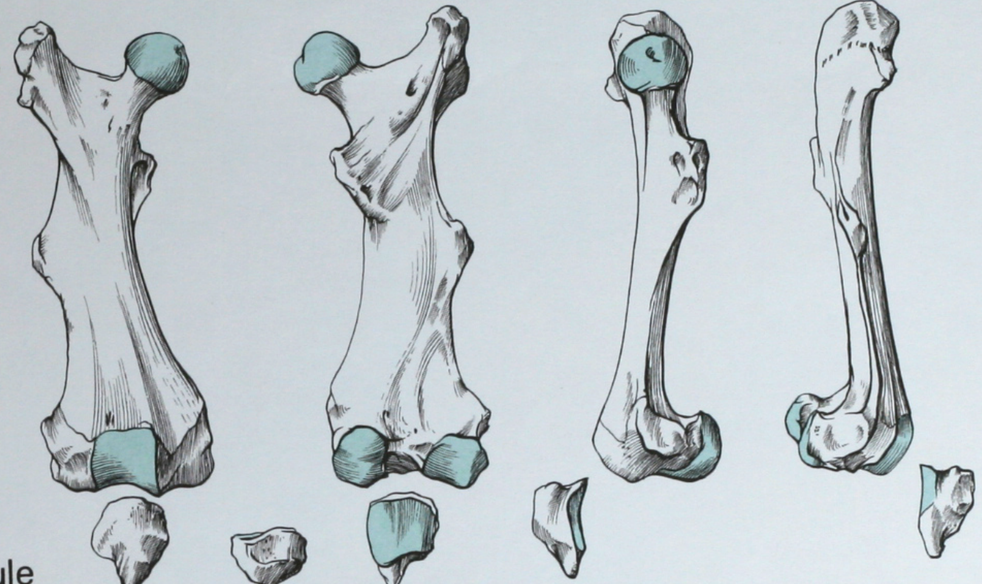
Radius - Cubitus



Vue palmaire | Vue dorsale | Vue médiale | Vue latérale

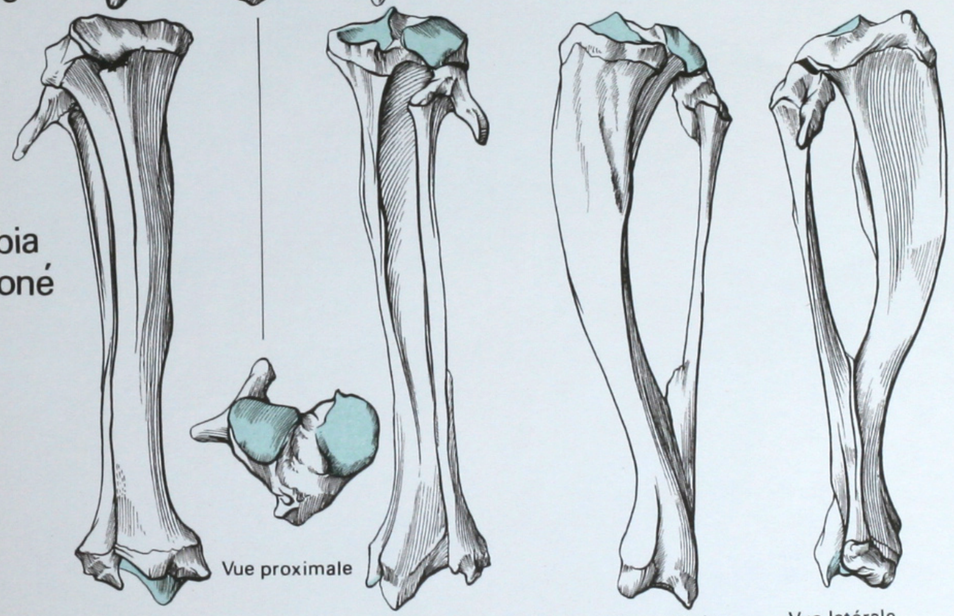
MEMBRE PELVIEN D.

Fémur



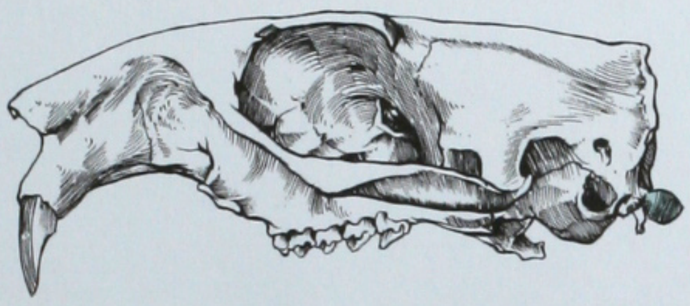
Rotule

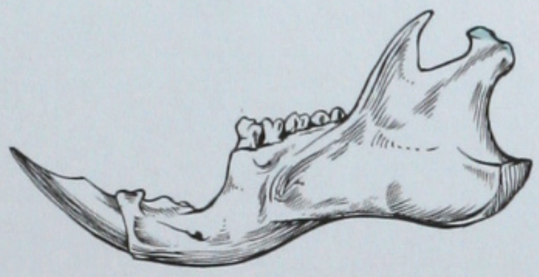
Tibia
Péroné



Vue plantaire | Vue proximale | Vue dorsale | Vue médiale | Vue latérale

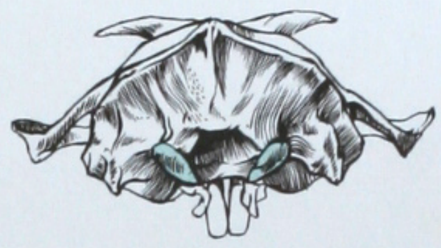
Marmotte



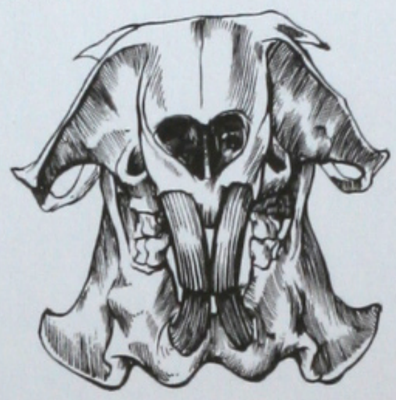


Vue latérale G.

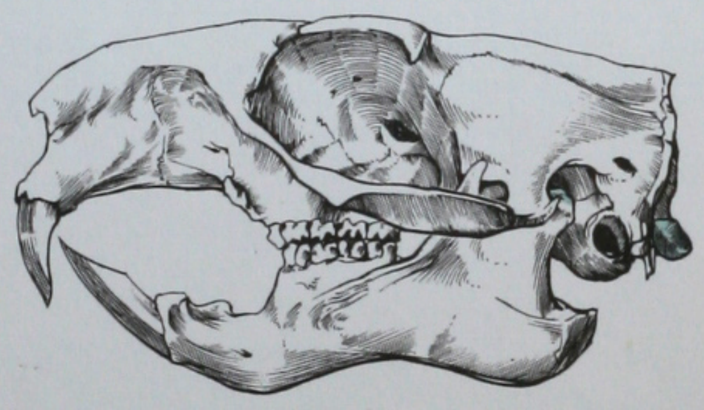
Crâne



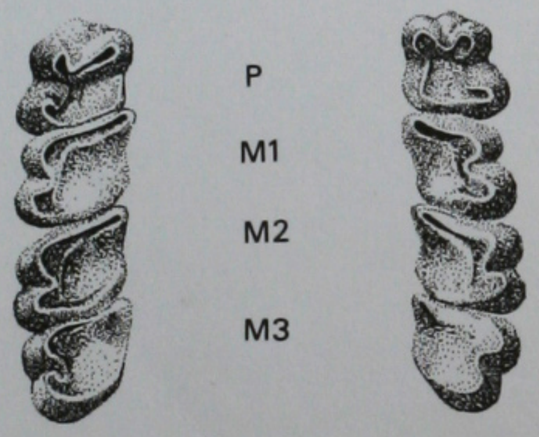
Vue nuchale



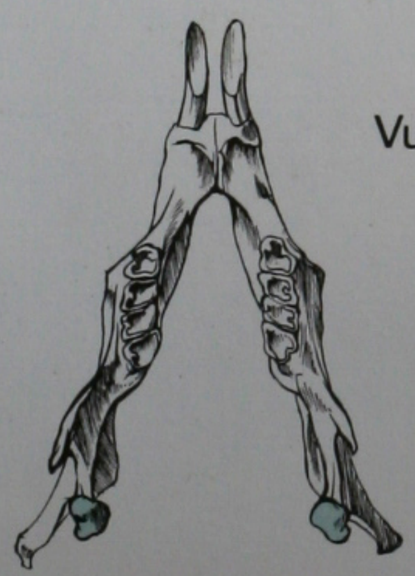
Vue rostrale



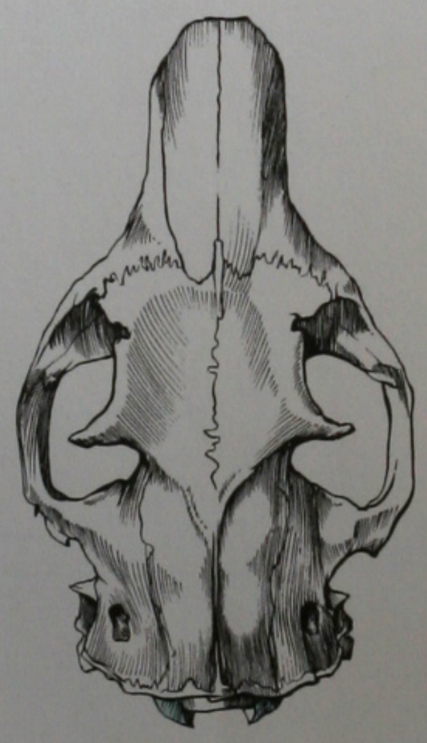
Mandibules



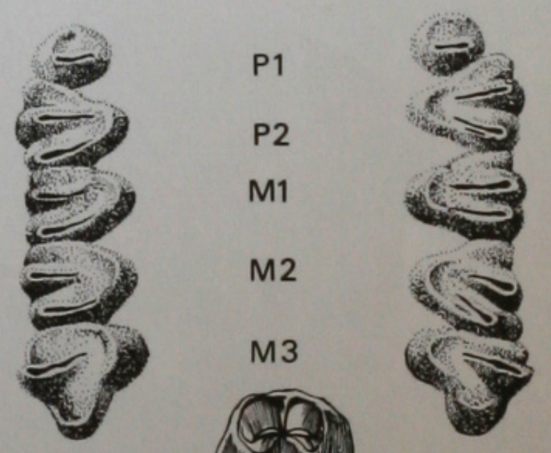
Dents
GN x 3

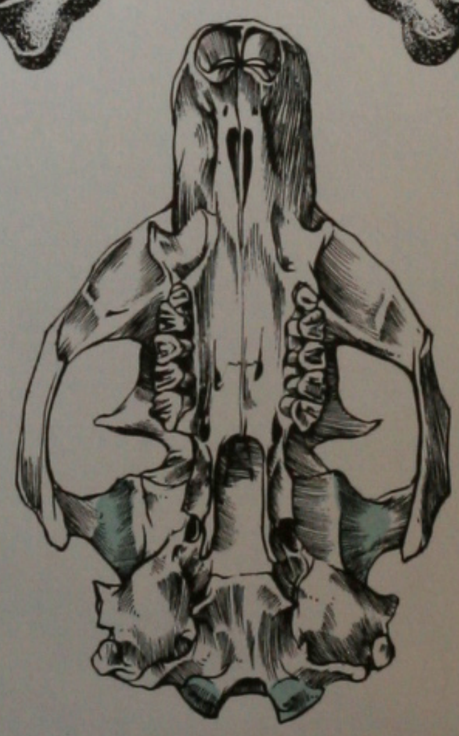


Vue frontale



Crâne



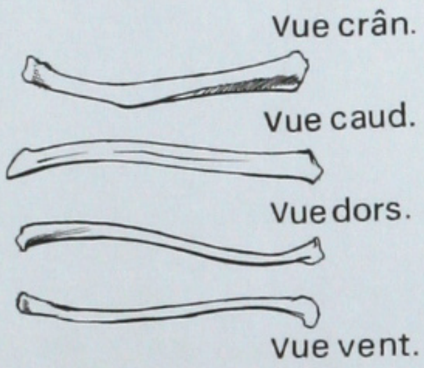


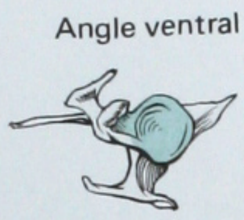
Vue ventrale

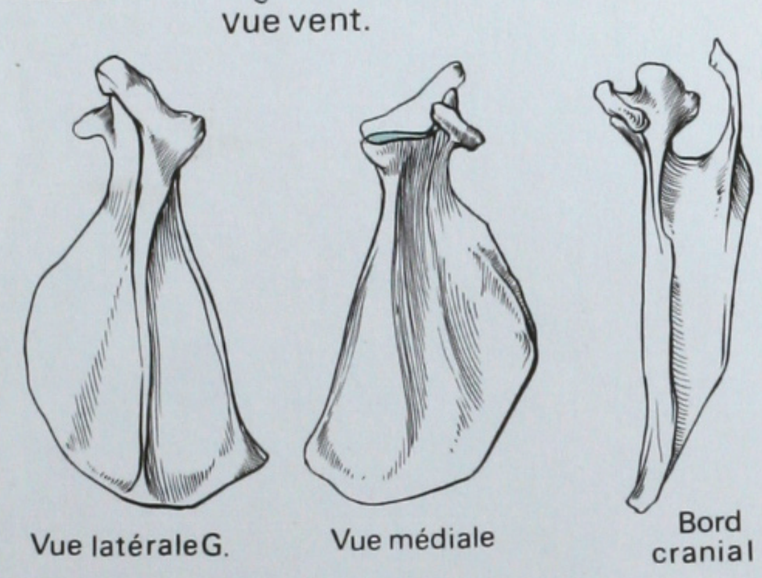
CEINTURE SCAPULAIRE

Marmotte

Clavicule





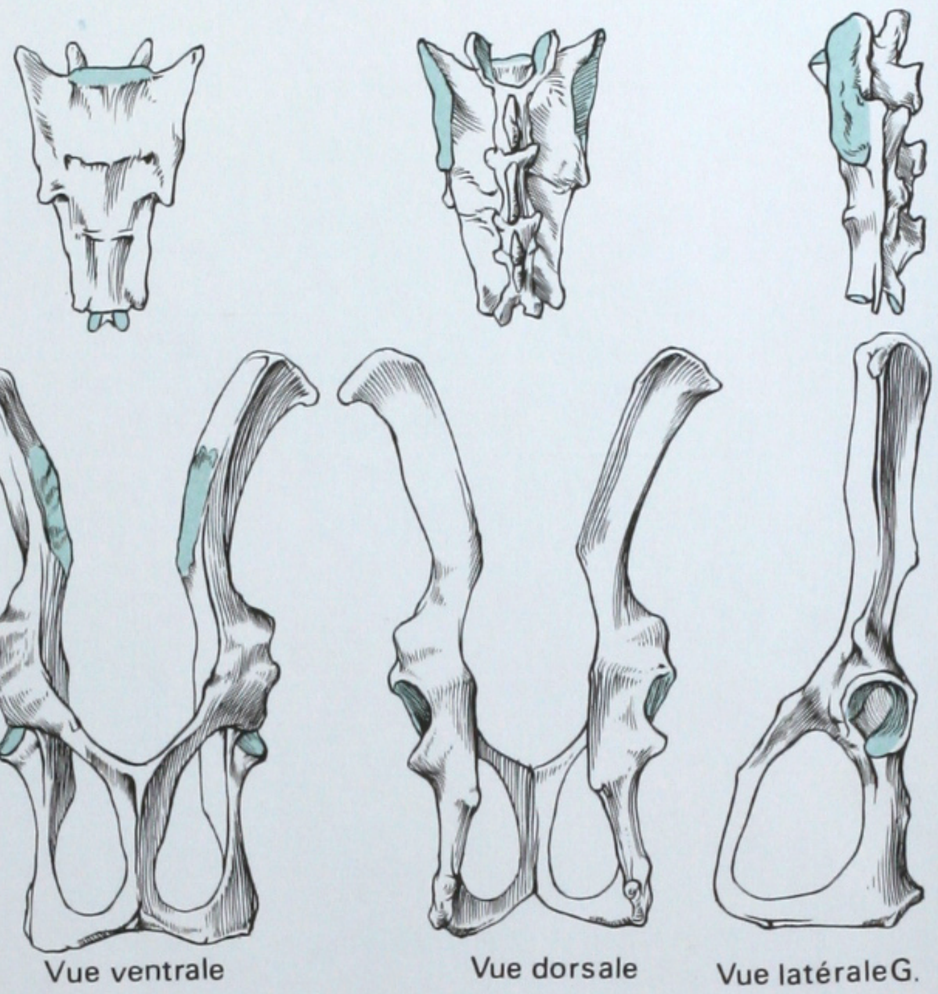


Omoplate D.

CEINTURE PELVIENNE

Sacrum

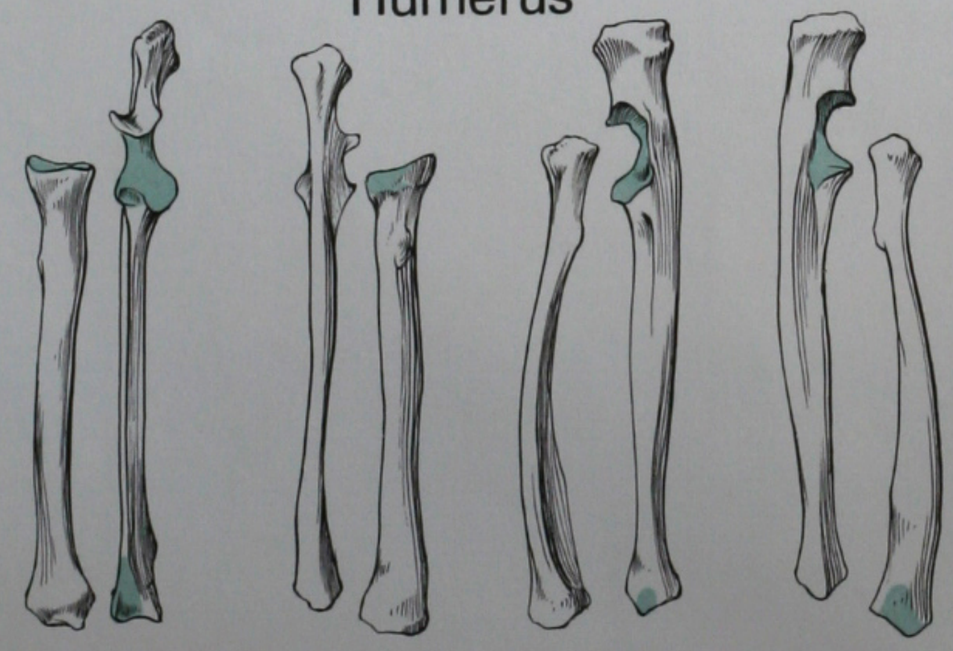
Os coxaux



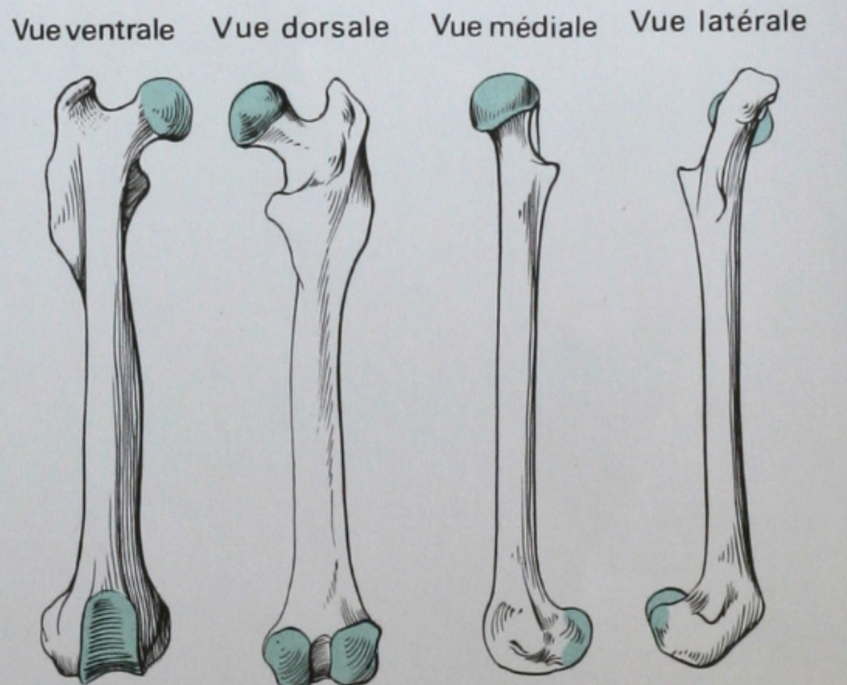
MEMBRE PELVIEN D.

MEMBRE THORACIQUE D.

Humérus



Radius - Cubitus



Fémur

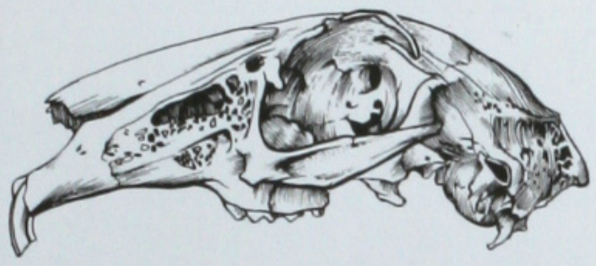


Rotule

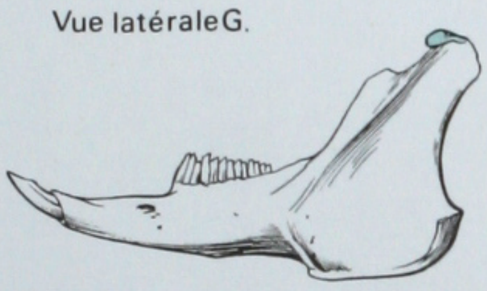


Tibia Péroné

Lièvre



Vue latérale G.

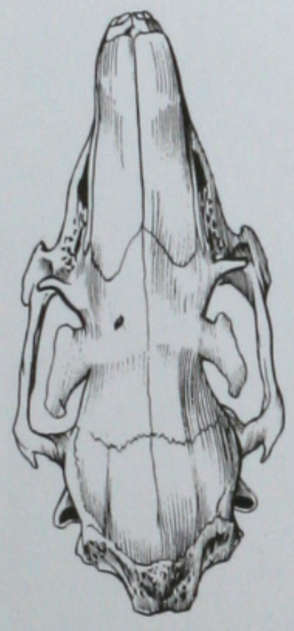




Vue nuchale

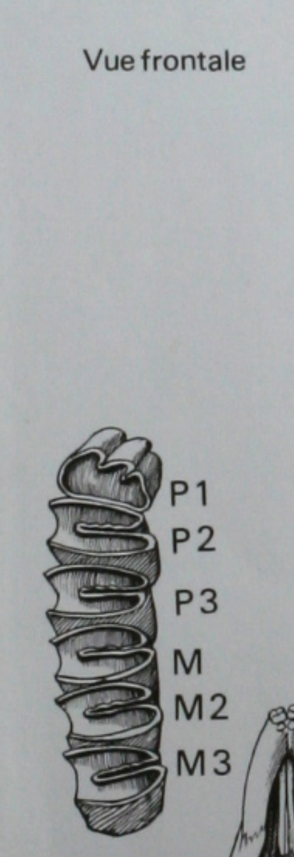


Vue frontale

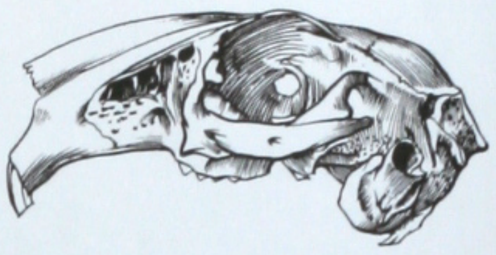




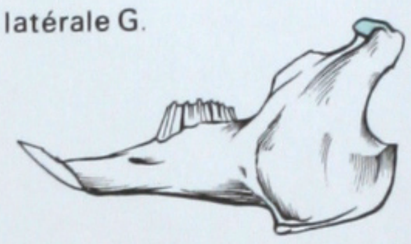
Vue latérale G.



Lapin

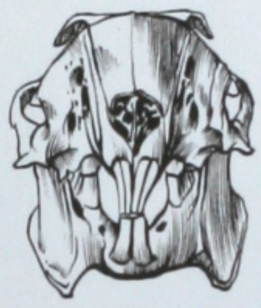


Vue latérale G.

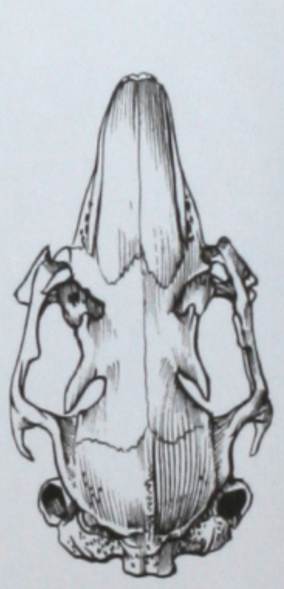




Vue nuchale



Vue frontale

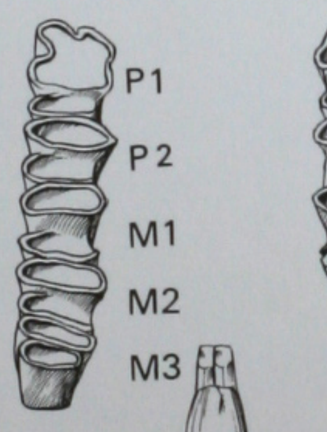




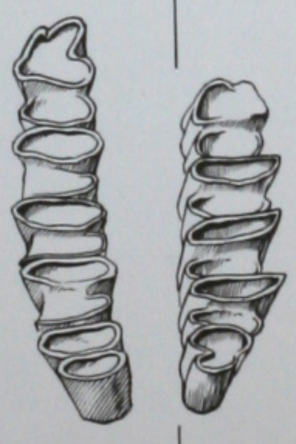
Vue latérale G.

Vue frontale

Crâne



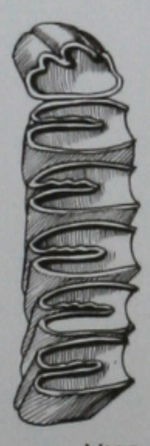
P1
P2
M1
M2
M3





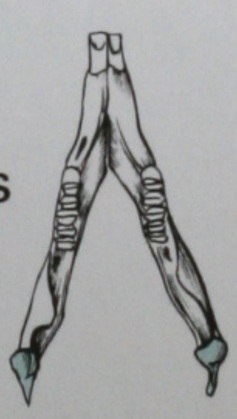
Dents
GN x 3

P1
P2
P3
M
M2
M3





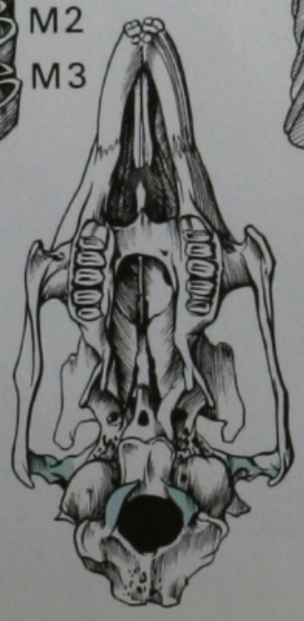
Mandibules







Vue vent.



Vue vent.

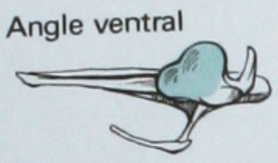


Crâne

CEINTURE SCAPULAIRE

Lièvre

CEINTURE PELVIENNE



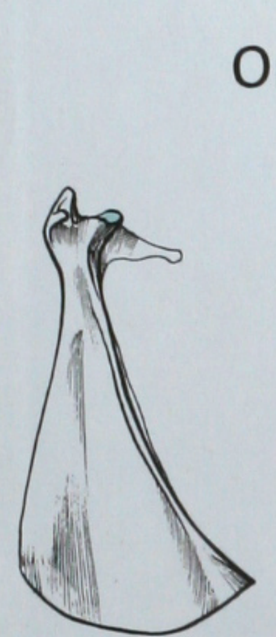




Sacrum



Omoplate G.



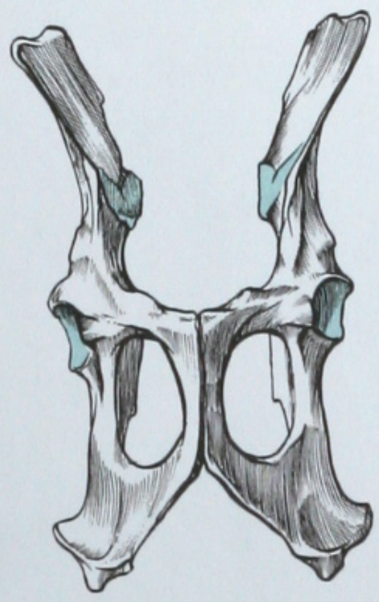
Vue médiale



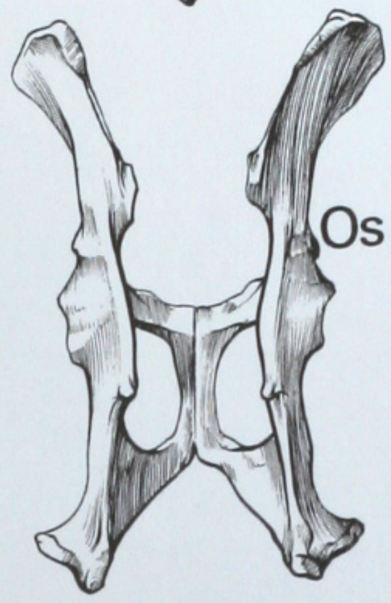
Bord crânial



Vue latéraleG.

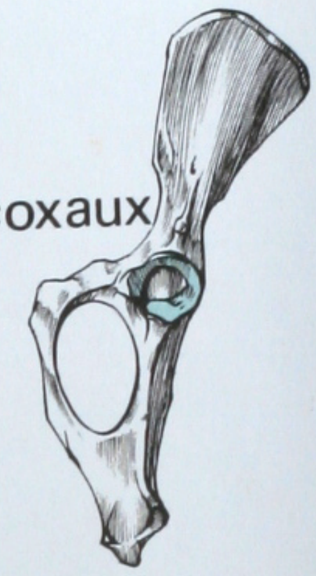


vue vent.



Vue dors.

Os coxaux

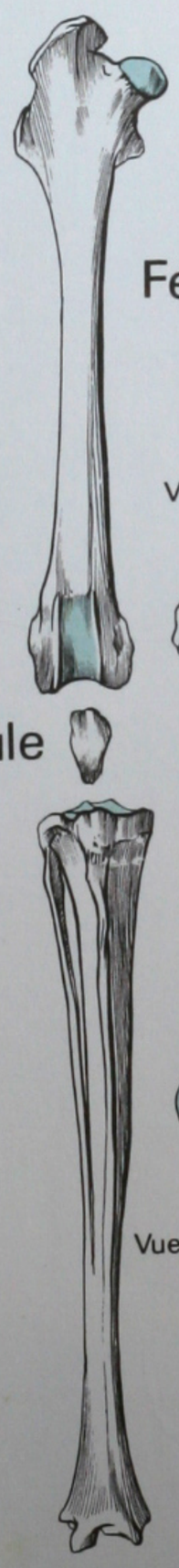


Vue lat. G.

MEMBRE THORACIQUE D.

MEMBRE PELVIEN D.

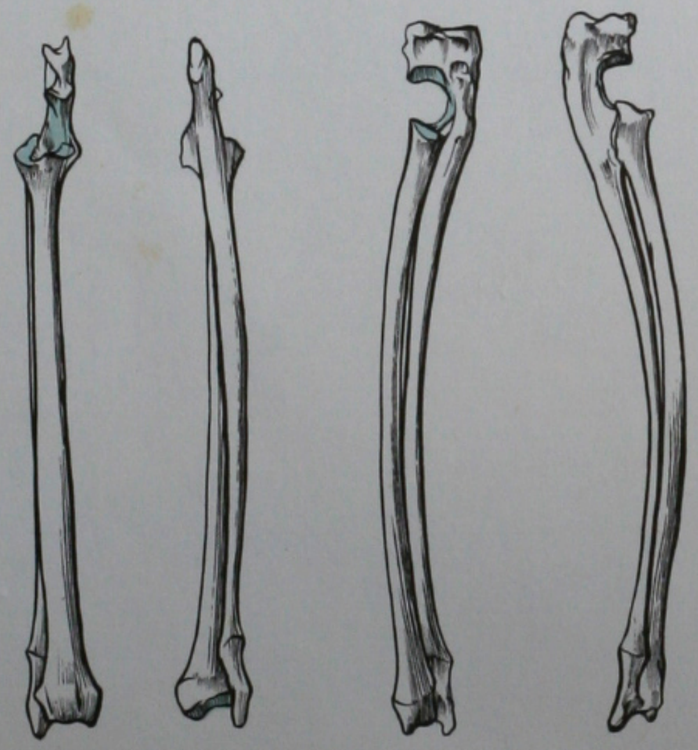
Humérus



Fémur

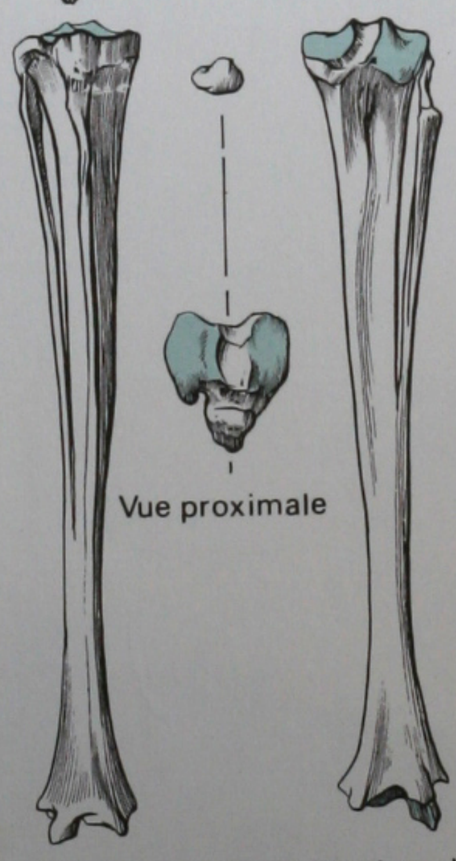






Vue distale

Rotule



Vue proximale



Vue ventrale

Vue dorsale

Vue médiale

Vue latérale G.

Vue ventrale

Vue dorsale

Vue médiale

Vue lat. G.

Radius - Cubitus

Tibia Péroné