

The descriptive atlas of anatomy : a representation of the anatomy of the human body in 92 royal 4to plates containing five hundred and fifty figures.

Contributors

Osborne-Walker, J., active 1880-1881
Guy's Hospital. Medical School
King's College London

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THE
DESCRIPTIVE ATLAS
OF
ANATOMY.

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The descriptive atlas of anatomy..
1880

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R. Osborn-Walker,

M. R. C. S. L. S. A. L. F. C. S. L.

April 1881.



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DESCRIPTIVE ATLAS
OF
ANATOMY

THE
DESCRIPTIVE ATLAS
OF
ANATOMY

A REPRESENTATION OF THE ANATOMY OF THE HUMAN BODY

IN 92 ROYAL 4to PLATES

CONTAINING

FIVE HUNDRED AND FIFTY FIGURES



LONDON
SMITH, ELDER, & CO., 15 WATERLOO PLACE
1880

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PREFACE.

A THOROUGH knowledge of Anatomy cannot be reached by any 'Royal Road.' It can only be attained by careful and repeated dissection, combined with the study of one or more of the text-books upon the subject.

In the present day, when the medical student has so much to learn, and so short a time in which to learn it, it becomes a serious question whether sufficient facilities are afforded for the most important of all his studies, that of Anatomy. The scarcity of 'bodies' in the winter, and exclusion from the dissecting-room during the summer session, oblige the student in part to study Anatomy from books, and here his chief difficulty is the want of good practical illustrations. If he relies upon the text alone, he finds it extremely difficult, if not impossible, to retain the matter that he reads until he has the opportunity of verifying it in the dissecting-room. If he endeavours to make use of the figures which 'embellish' the work he is reading, he is at once led into a maze of wonder and uncertainty. Muscles, bones, and ligaments are often indistinguishable one from another, and the representations of arteries, veins, and nerves are apt to give him quite erroneous ideas as to which they are, where they come from, and where they are going. He is fortunate if he can make out all the reference letters or numbers, and

determine to which part they individually belong, and having done this he must wade through a complicated reference foot-note for information as to the name of the structure.

In order to supply the wants of the student, 'The Descriptive Atlas of Anatomy' has been prepared, with a view to correctness, clearness, simplicity, and completeness. The parts have been copiously named and described *in situ*, and THE ARTERIES AND VEINS HAVE BEEN COLOURED.

Every figure has been carefully revised by a Metropolitan Hospital Surgeon and a successful teacher of Anatomy in one of the chief London Medical Schools.

Since Latin ceased to be the only language used in Medicine, there has existed a curious combination of Latin and English in the description of Anatomical Structures. In the commencement of the preparation of this work, it had been intended to use Latin terms only, but it has been found undesirable to adhere to this system, so that although many more Latin names and terms are employed here than in other English works upon Anatomy, much of the usual hybrid mode of description has been adopted.

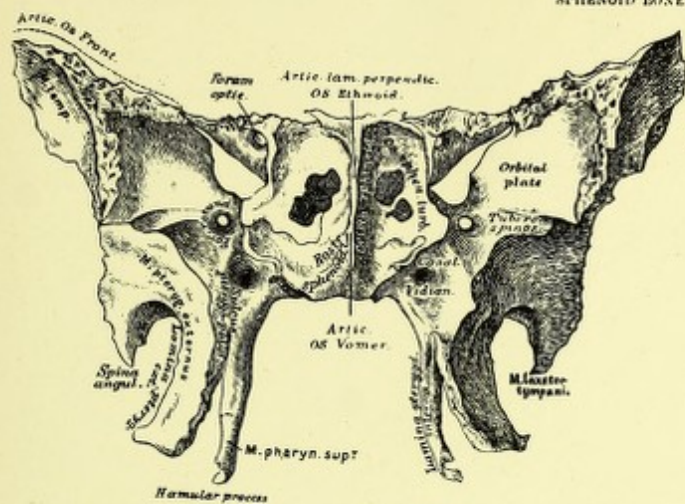
The abbreviations are very simple, and most of them are already well known to students. A. V. and N. represent Artery, Vein, and Nerve. The borders or surfaces of bones which articulate with others are indicated by dotted lines with the names of the articulating bone in juxtaposition: thus at the anterior border of the Parietal bone appears 'Artic. Os. Front,' meaning that as far as the dotted line indicates this bone articulates with the Frontal bone.

The general arrangement differs from that usually adopted. The bones and ligaments have together been placed first; then follow muscles, fasciæ, organs of special sense, dissected regions, and the viscera; next are placed the arteries, veins, and lymphatics; and lastly the nervous system,—an arrangement which we believe will be found practically useful to the student.

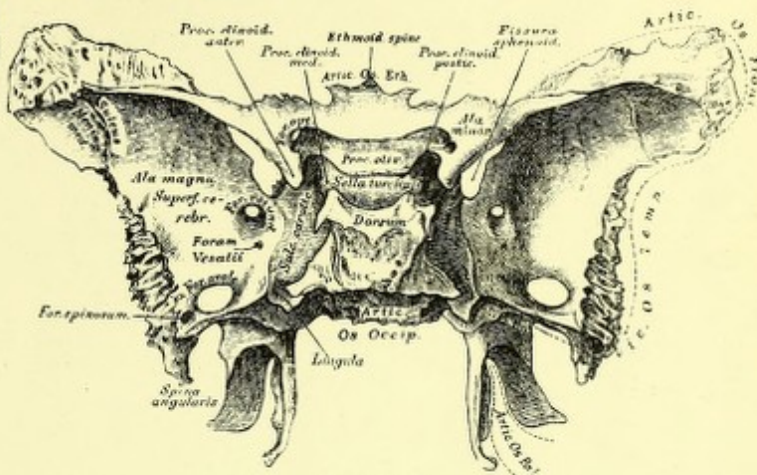


BONES AND LIGAMENTS

SPHENOID BONE. (Os Sphenoidum.)

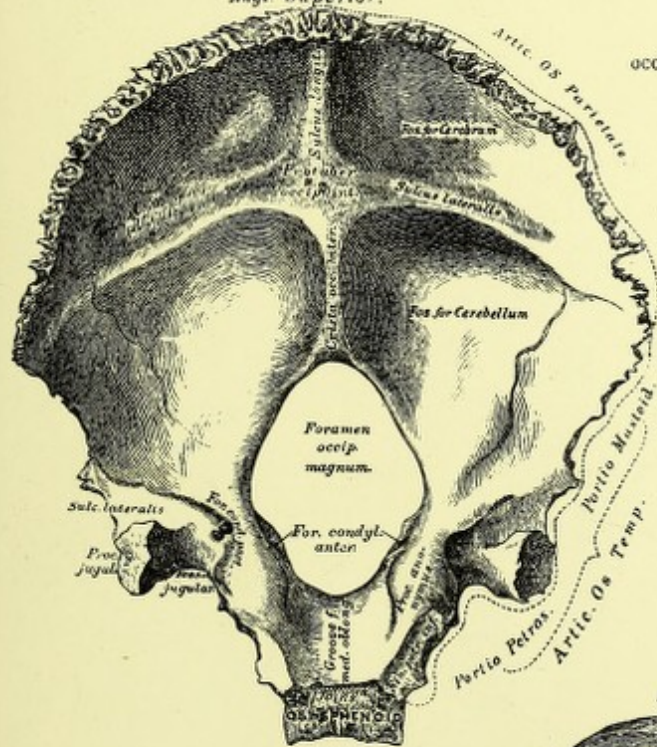


1. From before.



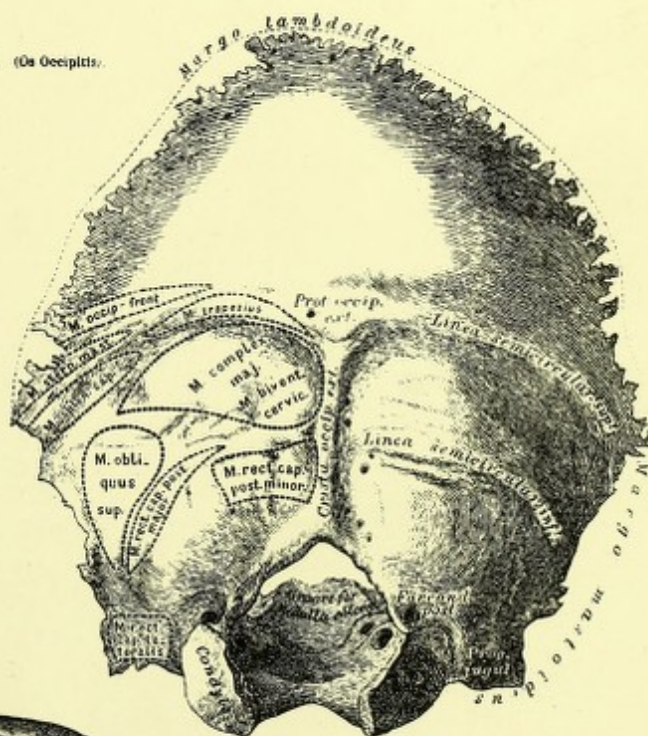
2. From behind.

Angl. Superior.

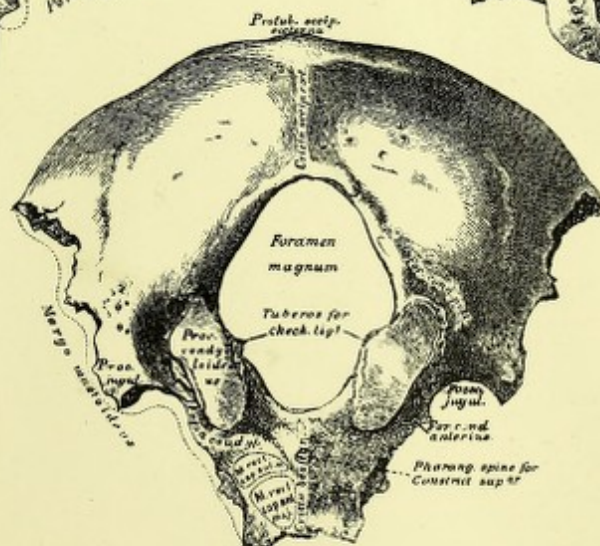


3. Internal surface.

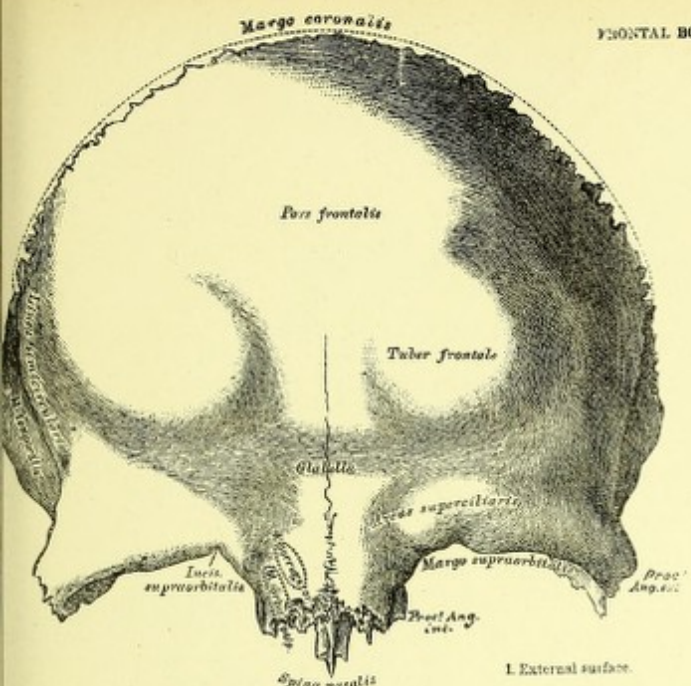
OCCIPITAL BONE. (Os Occipitis.)



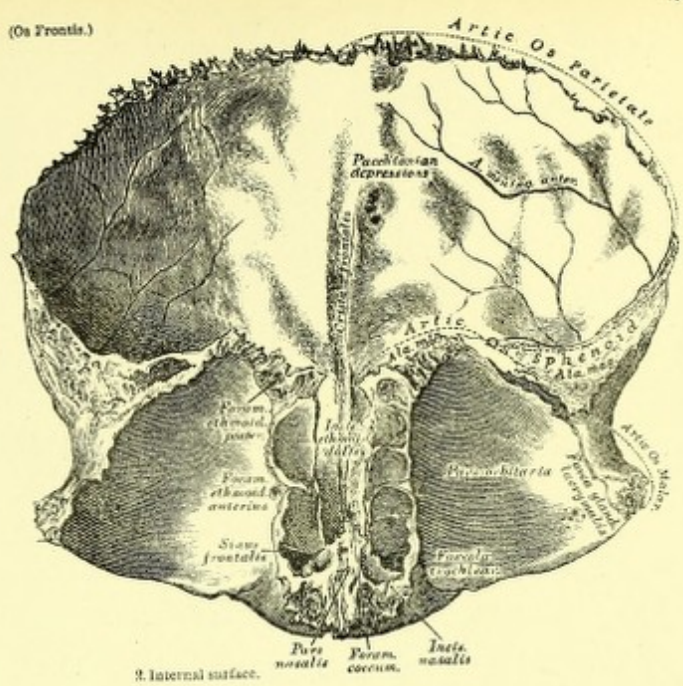
4. External surface.



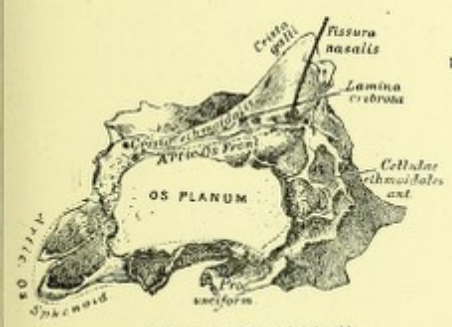
5. Seen from below.



1. External surface.

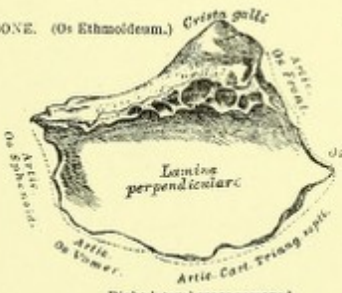


2. Internal surface.



3. External surface of right side

ETHMOID BONE. (Os Ethmoidale.)

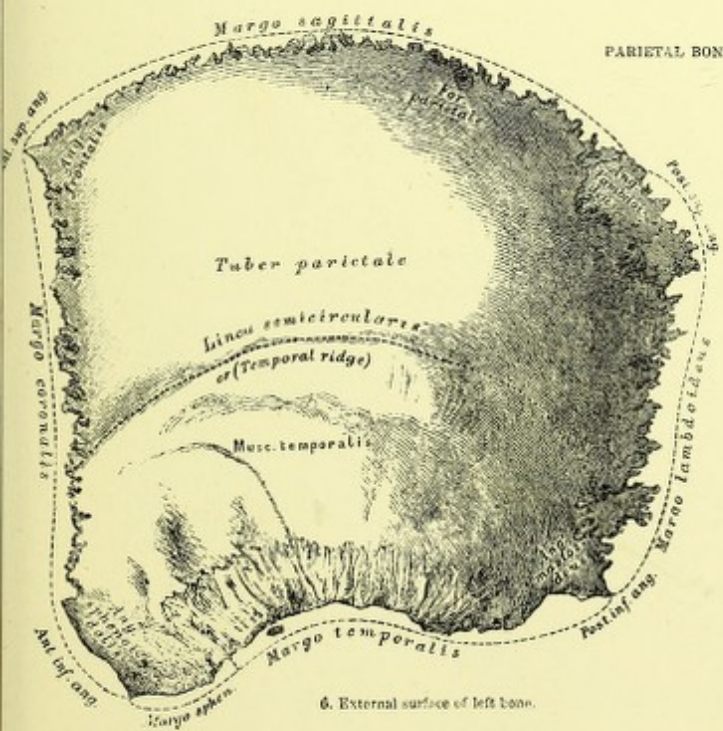


Right lateral mass removed.

ETHMOID BONE. (Os Ethmoidale.)

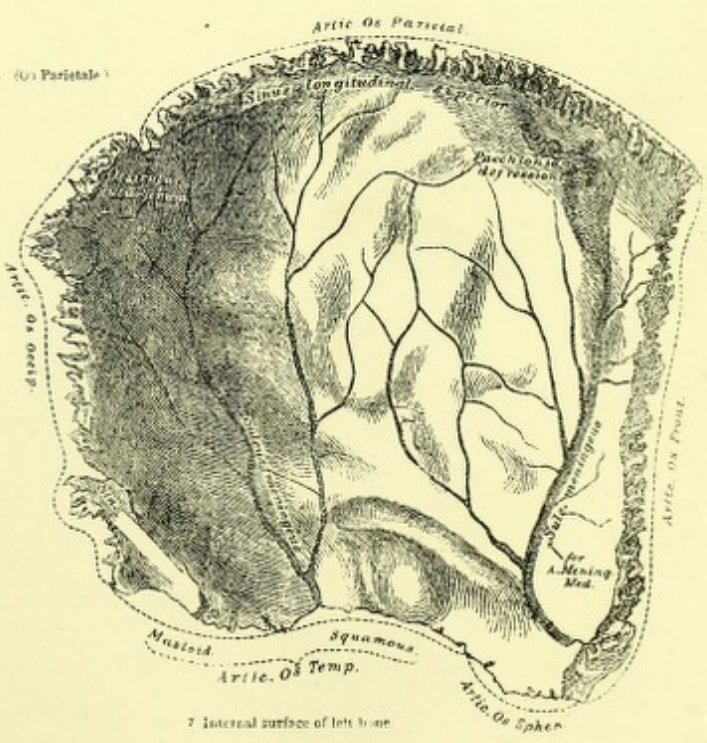


5. Internal surface of right lateral mass.



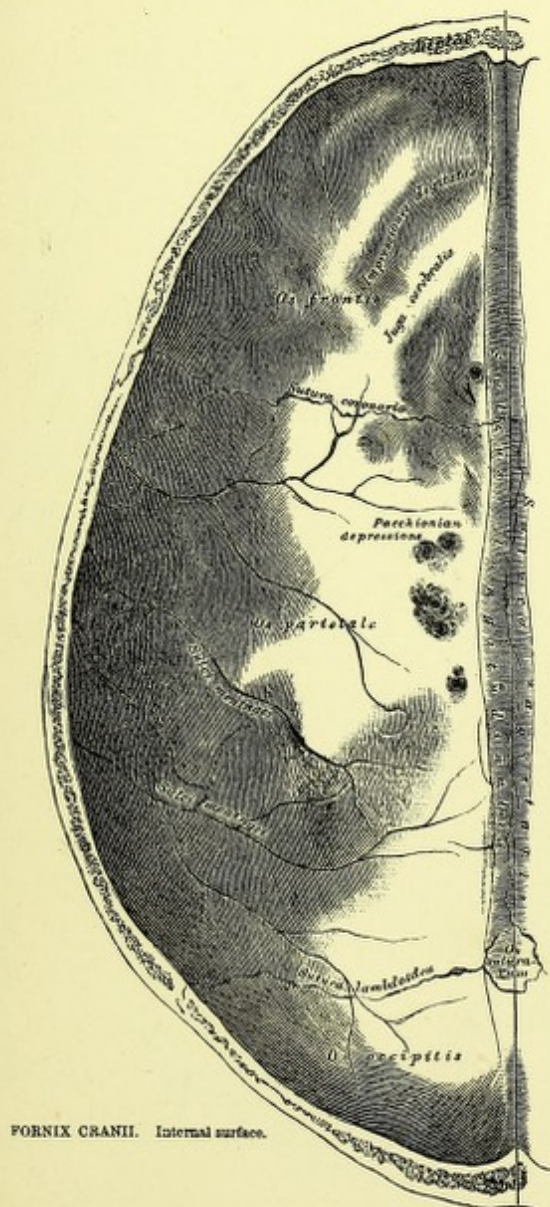
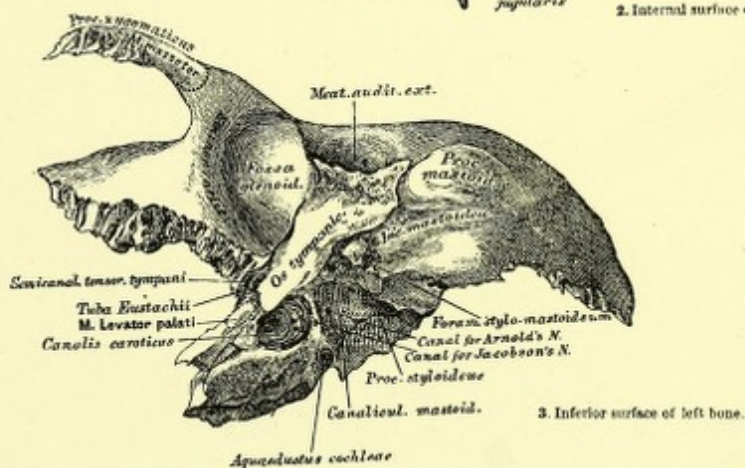
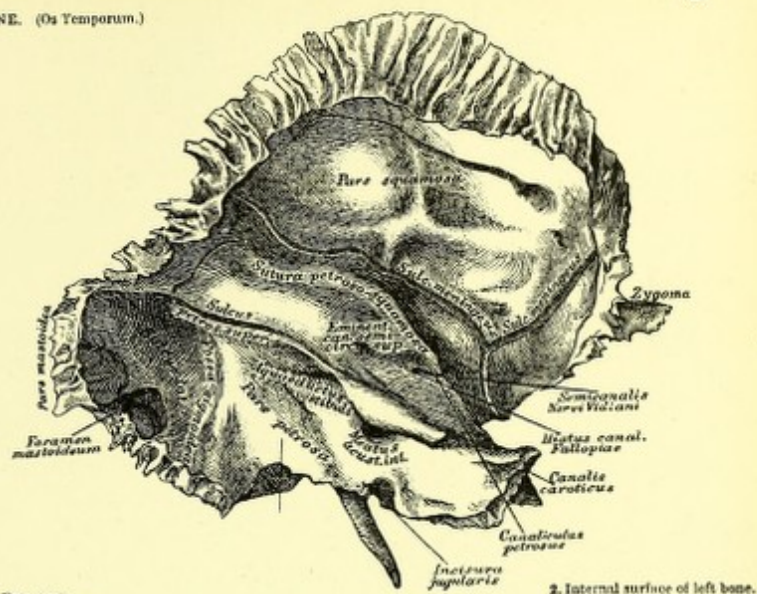
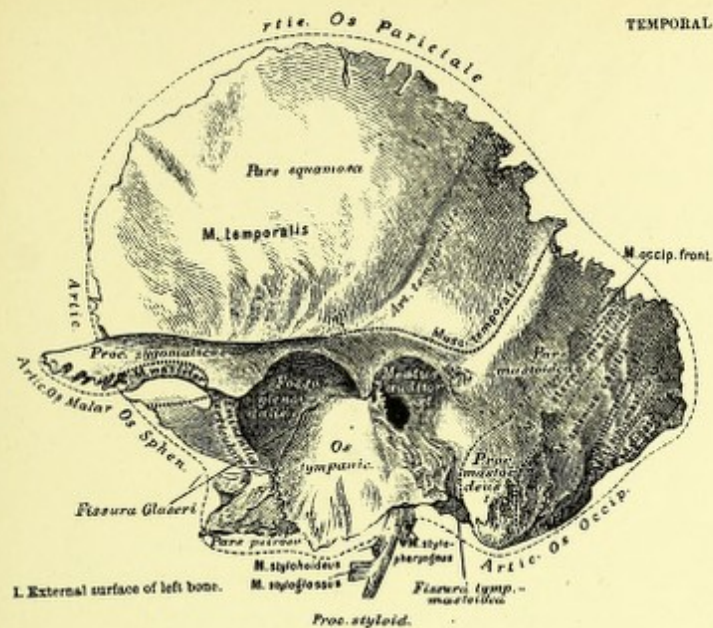
6. External surface of left bone.

PARIETAL BONE. (Os Parietale.)

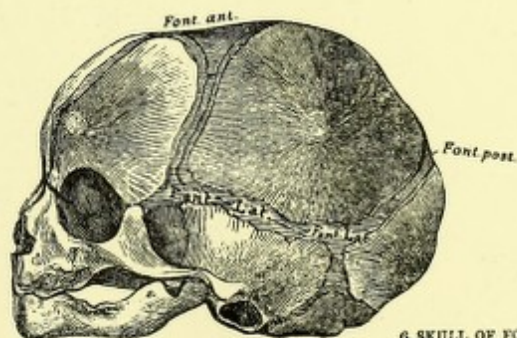
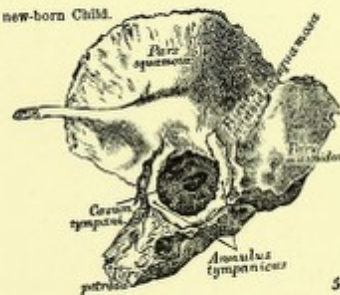
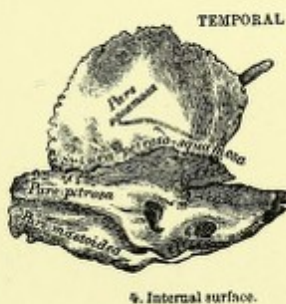


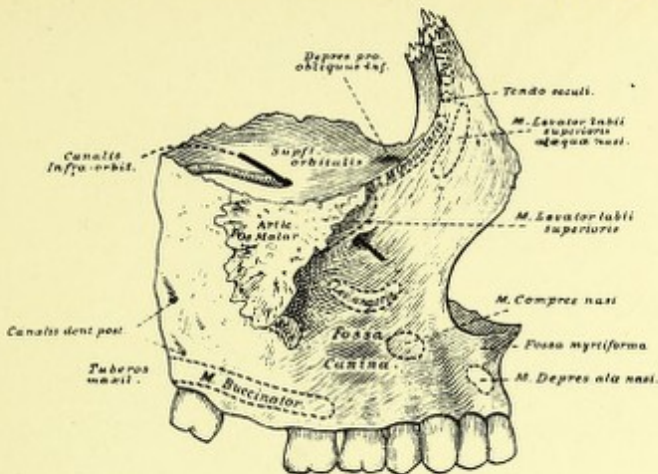
7. Internal surface of left bone

TEMPORAL BONE. (Os Temporum.)

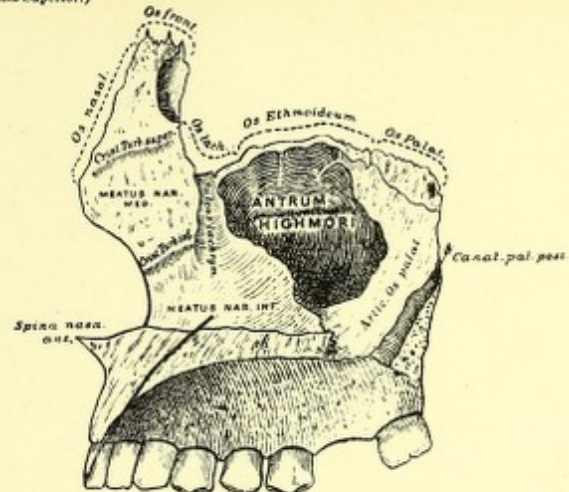


TEMPORAL BONE of a new-born Child.

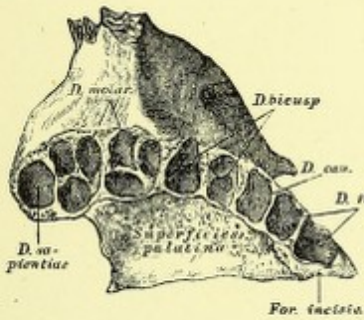




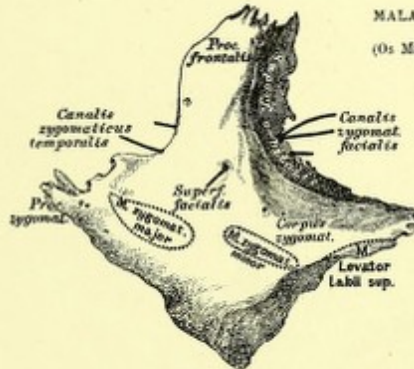
1. External surface of right bone.



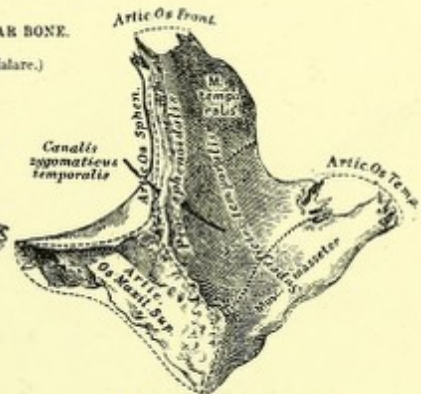
2. Internal surface of right bone.



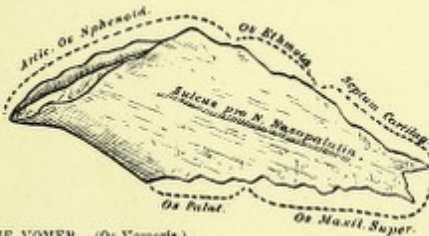
3. (Maxilla Superior.) Seen from below.



4. External surface of right bone.



5. Internal surface of right bone.



6. THE VOMER. (Os Vomeris.)



7. Internal surface of left bone.

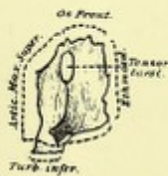


8. External surface of left bone.

LACHRYMAL BONE.

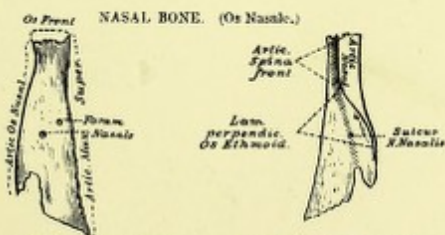
(Os Lachrymale.)

9. Left. External view.

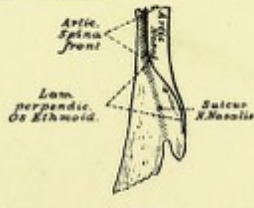


NASAL BONE. (Os Nasale.)

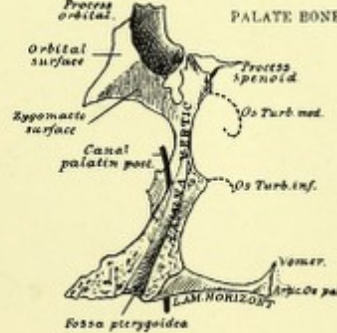
10. External surface of left bone.



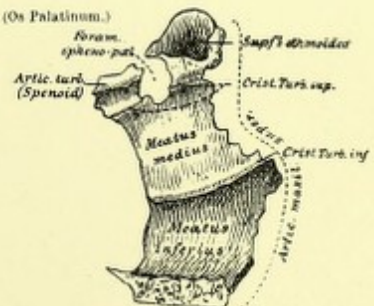
11. Internal surface of left bone.



PALATE BONE. (Os Palatinum.)

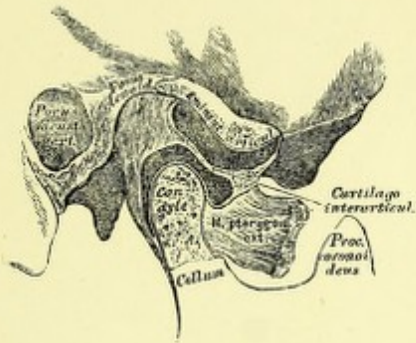


12. Posterior view of left bone.



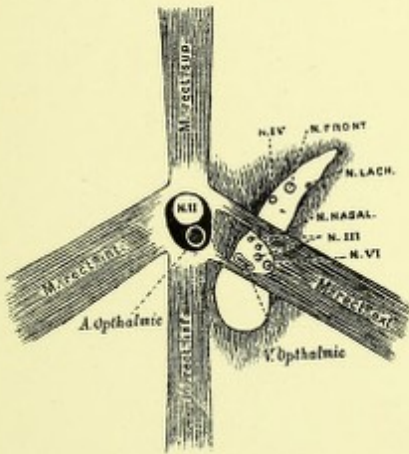
13. Internal surface of left bone.

TEMPO-MAXILLARY ARTICULATION

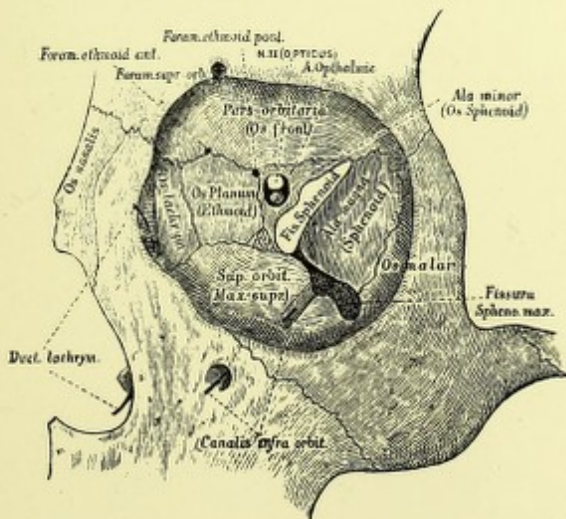


Antero-posterior Section

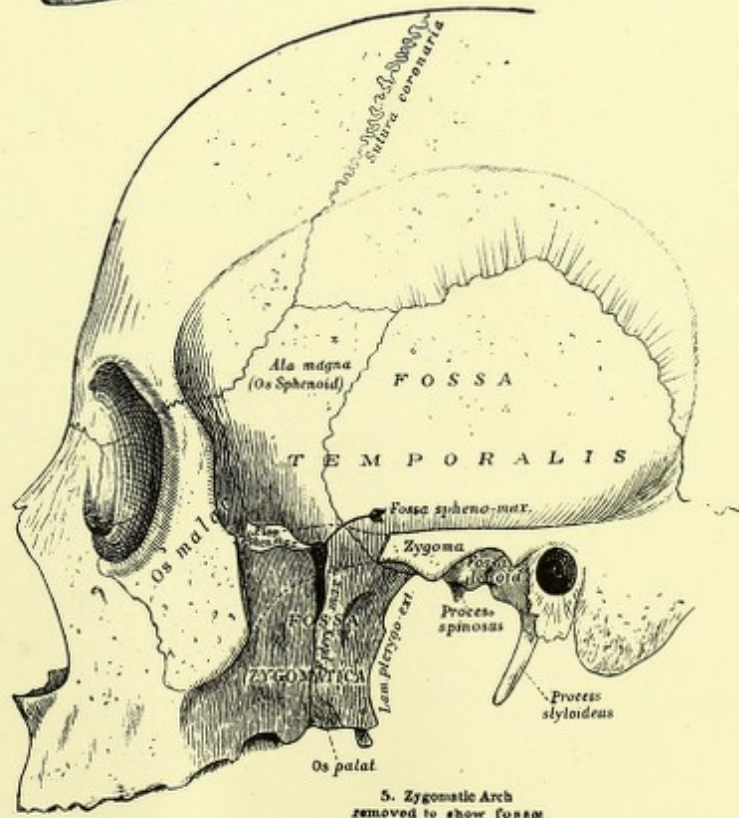
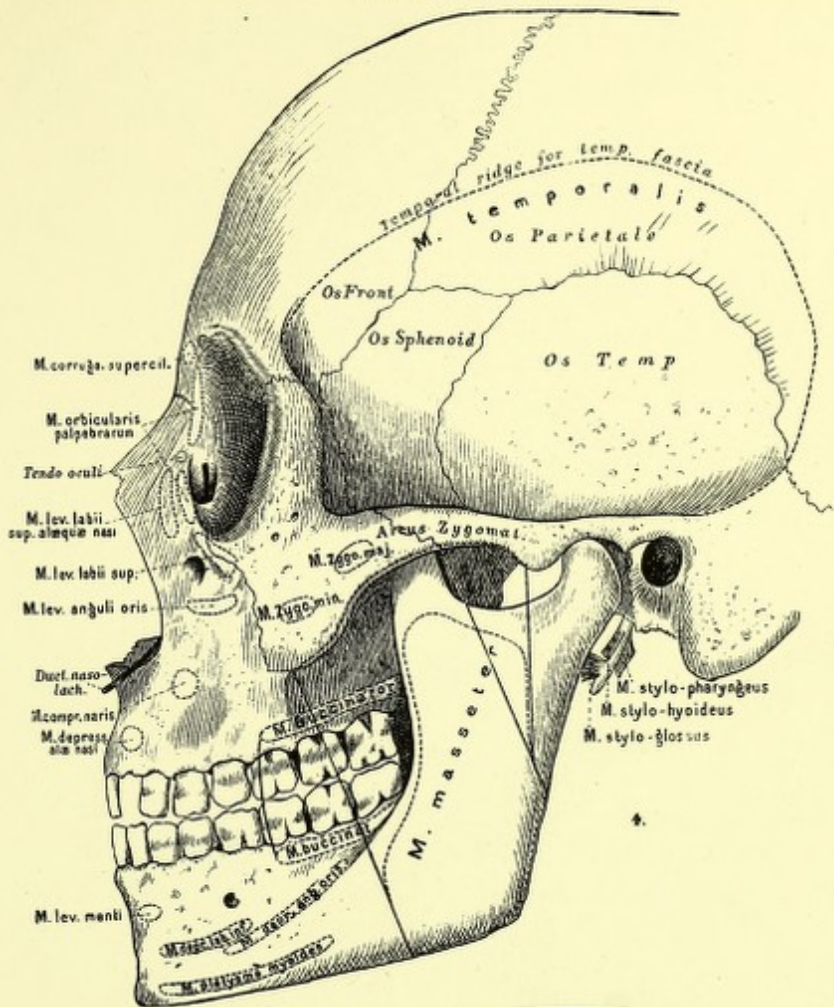
OPTIC FORAMEN, SPHENOIDAL FISSURE &c. (Enlarged)

2. To show attachment of Optic muscles
position of Entry into orbit of nerves
& vessels

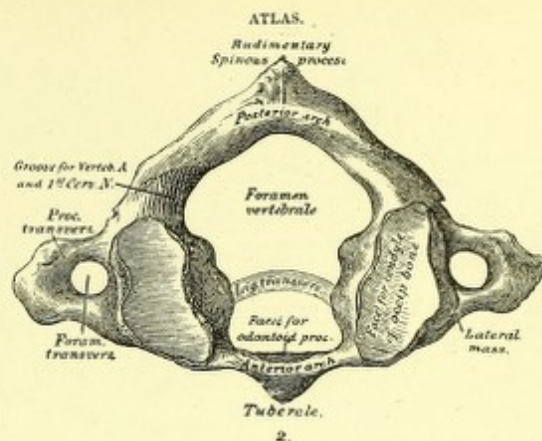
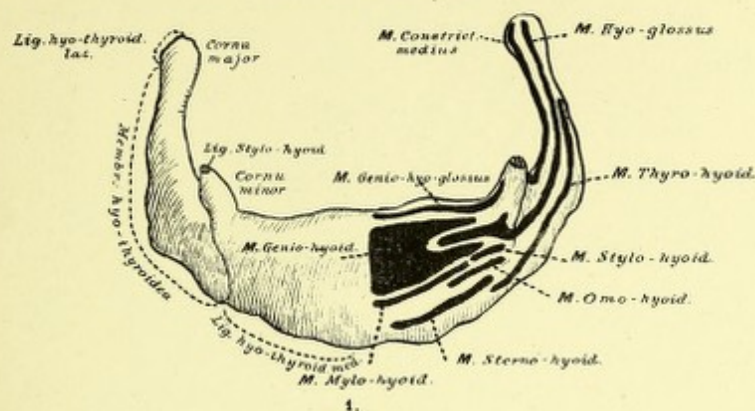
LEFT ORBIT



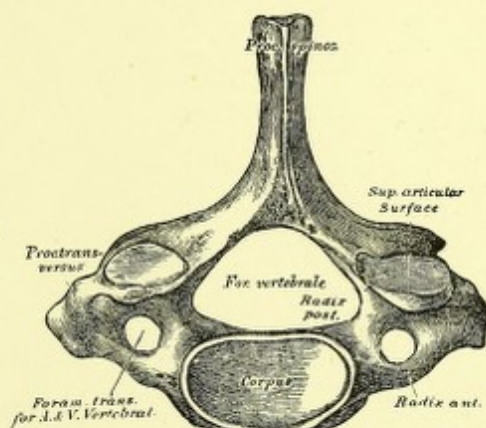
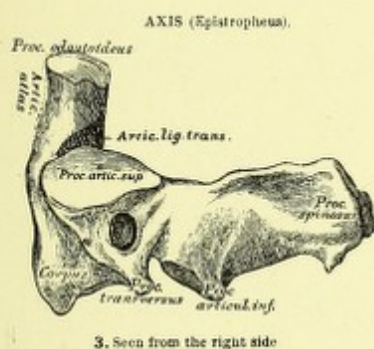
3.

5. Zygomatic Arch
removed to show fossae

HYOID BONE. (Os Hyoides.)

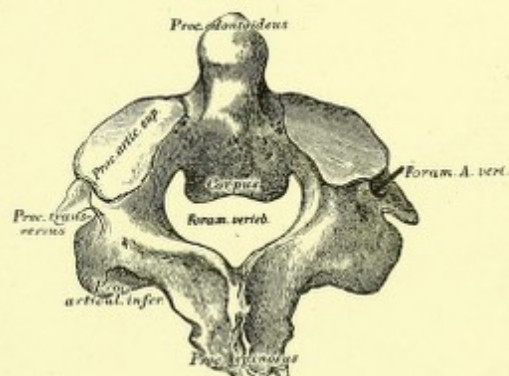


SEVENTH CERVICAL VERTEBRA.



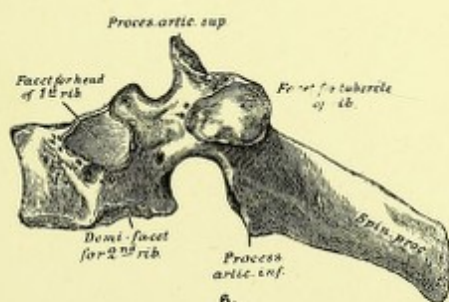
4. (Vertebra Prominens.)

AXIS (Epistropheus).

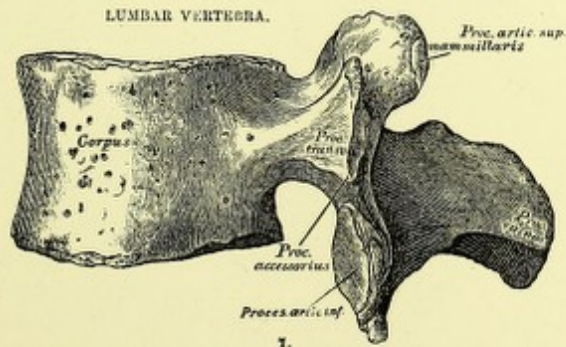


5 Seen from above and behind.

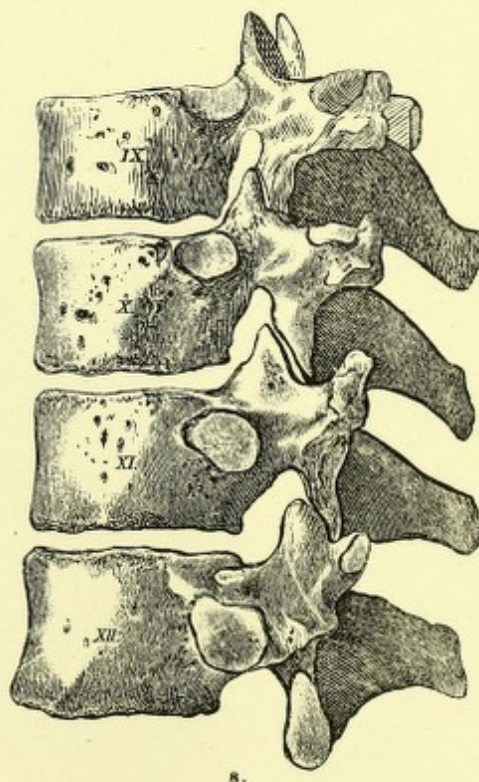
DORSAL VERTEBRA.

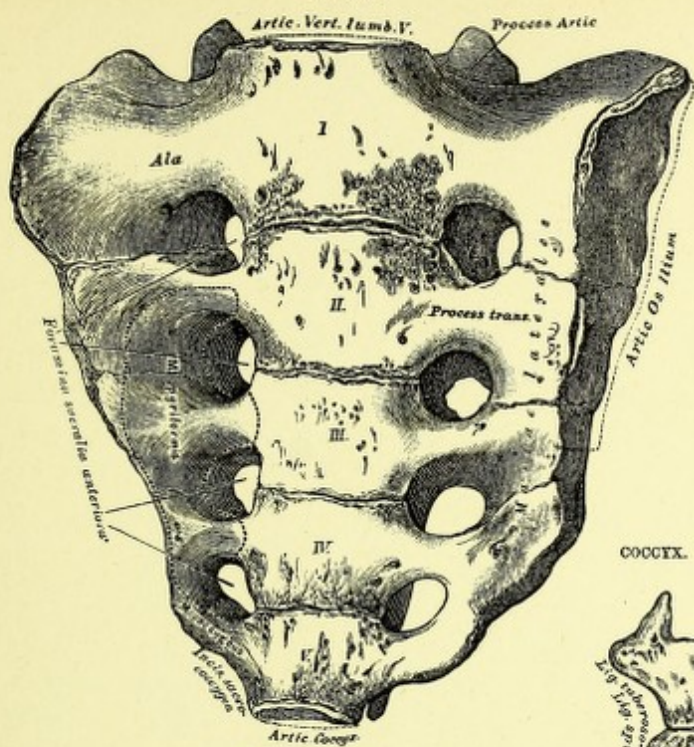


LUMBAR VERTEBRA.



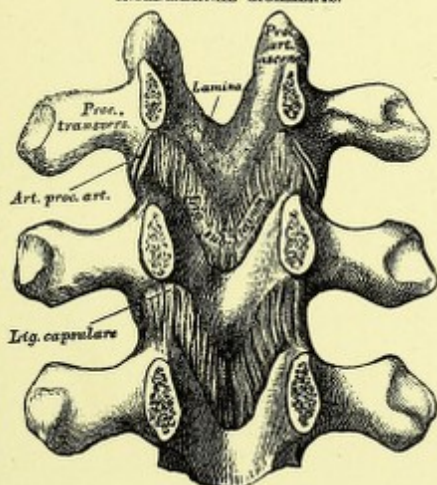
PECULIAR DORSAL VERTEBRÆ.





1. Anterior surface.

INTERLAMINAL LIGAMENTS.



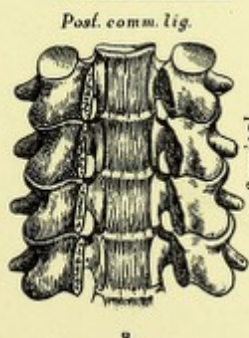
5. Ligamenta intercruralia or Subflava.

VERTEBRAL LIGAMENTS.



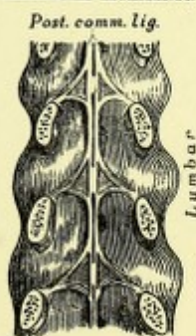
7. Anterior common Ligament.

VERTEBRAL LIGAMENTS.



8.

VERTEBRAL LIGAMENTS.



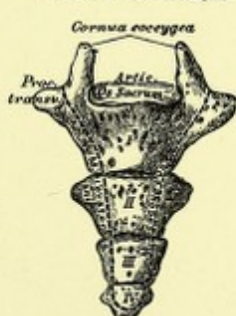
9.

COCCYX. (Os Coccygis.)

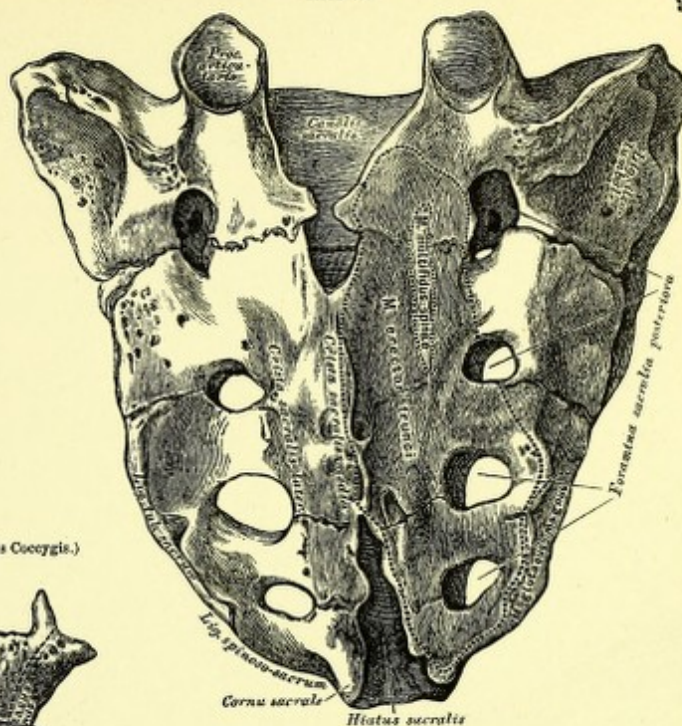


3. Posterior surface.

COCCYX. (Os Coccygis.)



4. Anterior surface.

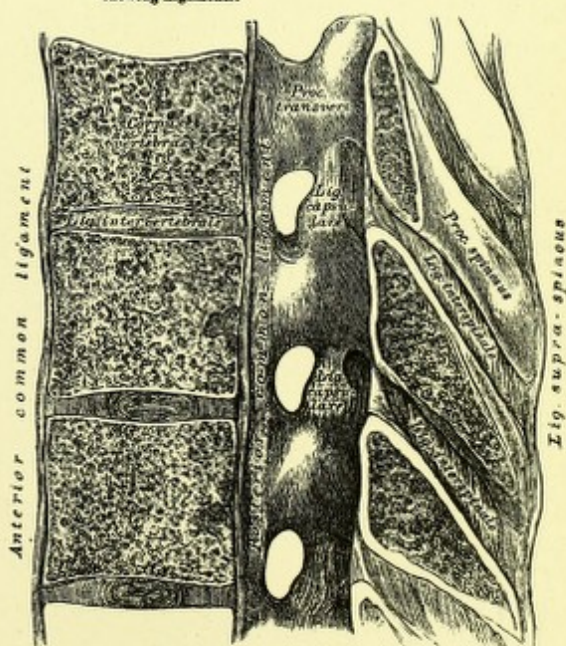


2. Posterior surface.

INTERVERTEBRAL FIBRO-CARTILAGE.

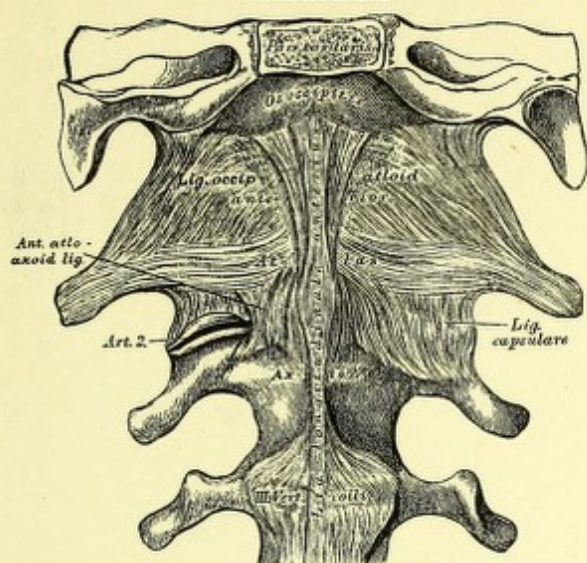


6. VERTICAL SECTION OF THREE DORSAL VERTEBRÆ, showing Ligaments.



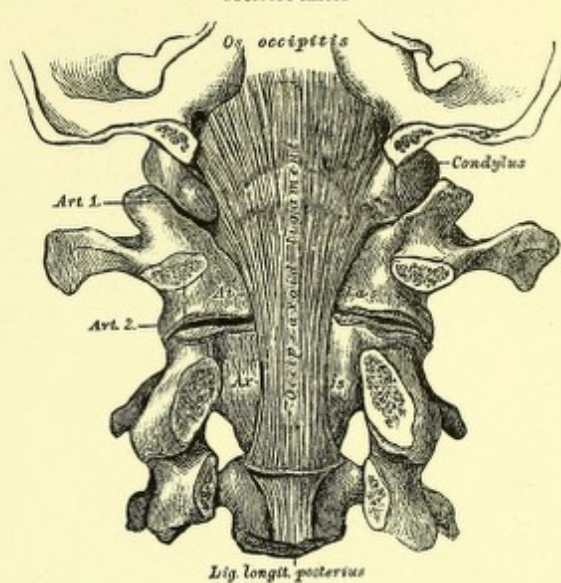
10.

OCCIPITO-ATLOID



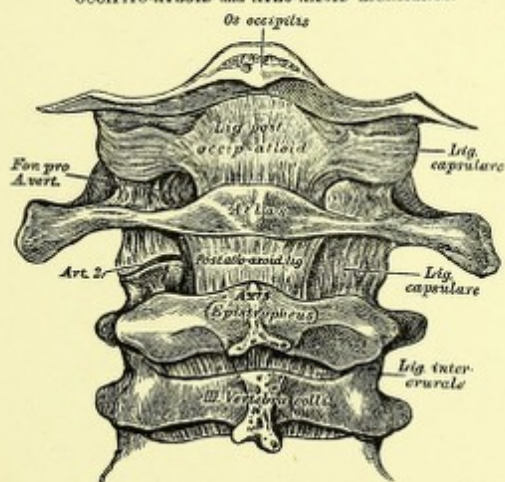
1. Anterior view.

OCCIPITO-AXOID



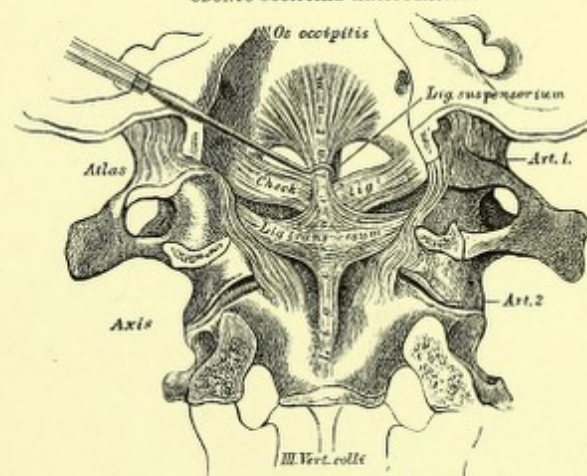
2. Posterior view.

OCCIPITO-ATLOID and ATLO-AXOID LIGAMENTS.



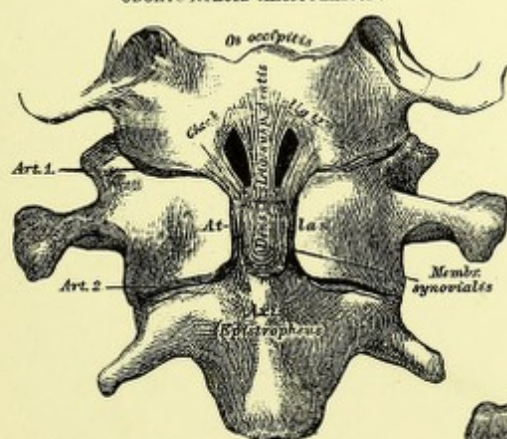
3. Posterior view

ODONTO-OCCIPITAL ARTICULATION.



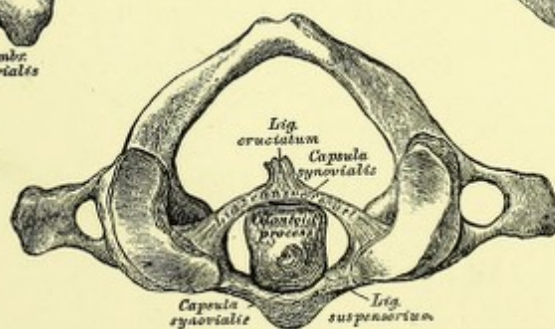
4. Posterior view.

ODONTO-ATLOID ARTICULATION.



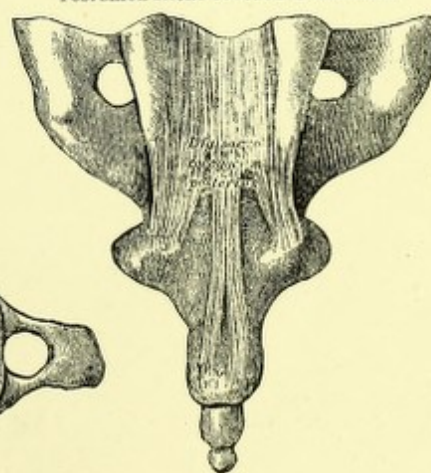
5. Anterior view.

ODONTO-ATLOID ARTICULATION.



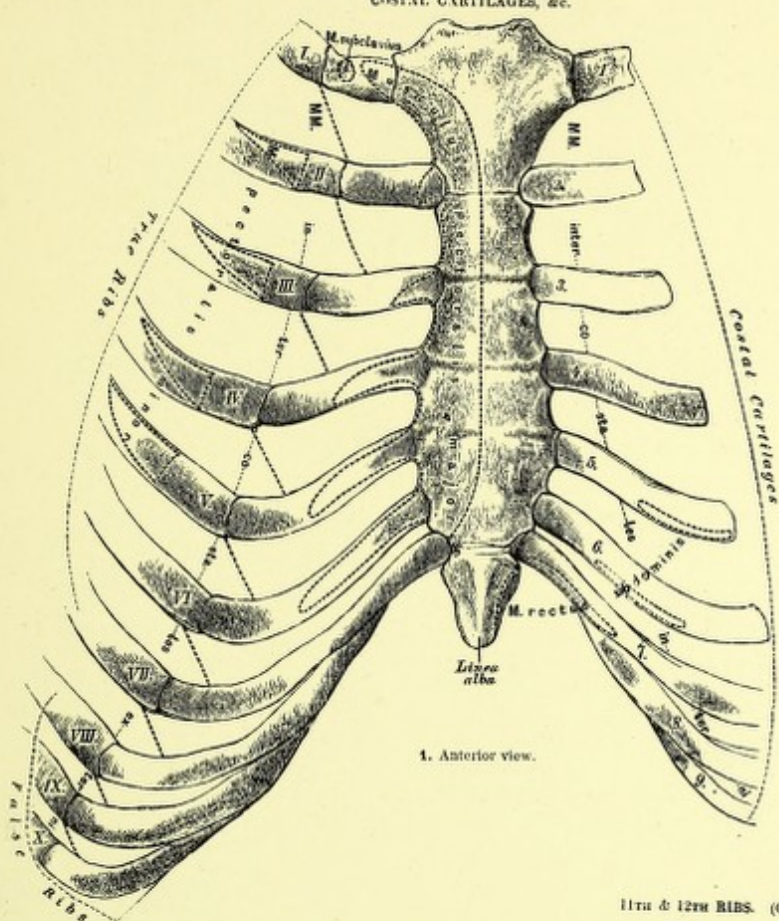
6. Seen from above

POSTERIOR SACRO-COCYGEAL LIGAMENT

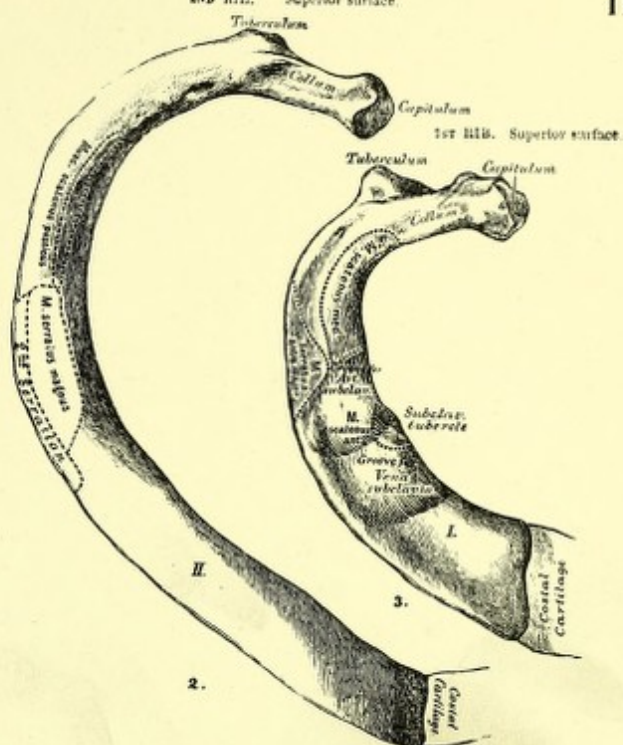


7. Posterior surface.

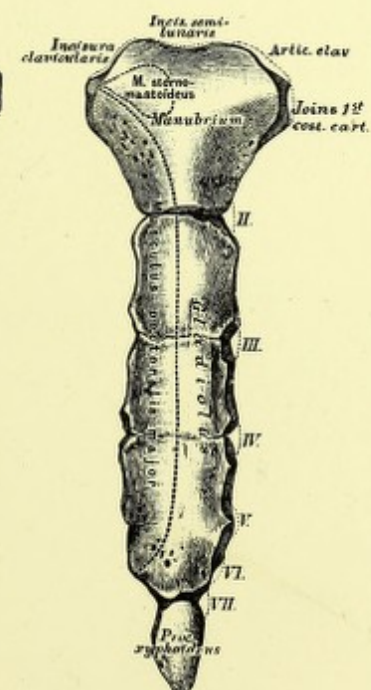
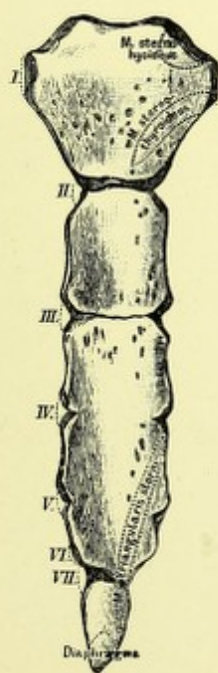
COSTAL CARTILAGES, &c.



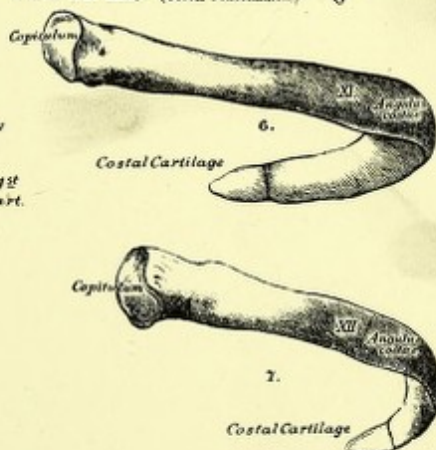
2nd RIB. Superior surface.



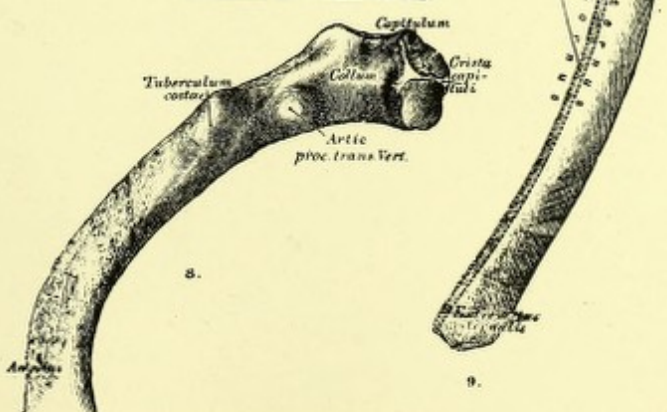
STERNUM.



11th & 12th RIBS. (Costae Fluctuantes.)



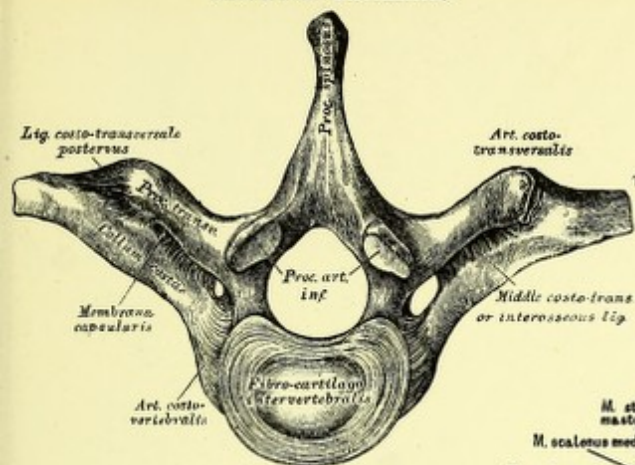
VERTEBRAL EXTREMITY OF RIB.



COSTO-SPINAL ARTICULATIONS.

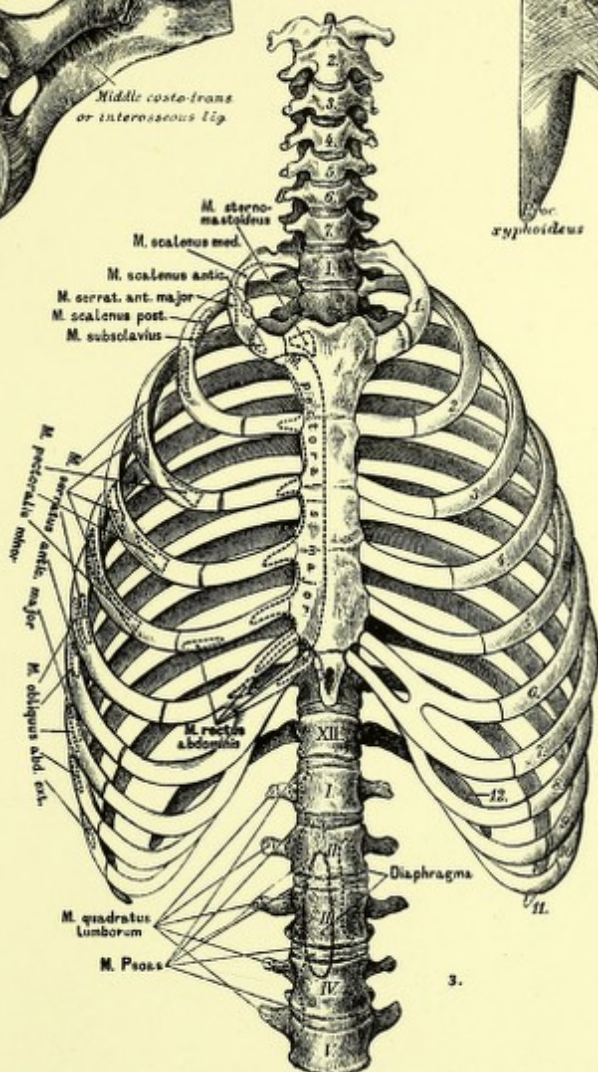
COSTO-STERNAL ARTICULATIONS.

12.



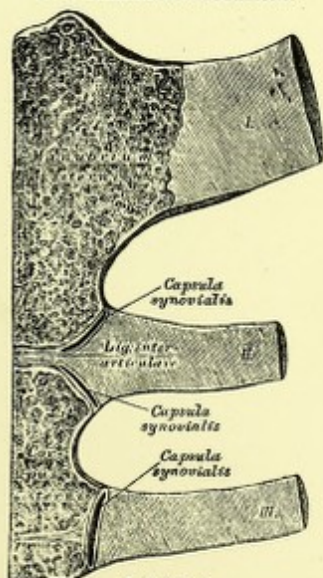
1. Seen from below.

THORAX & SPINAL COLUMN.

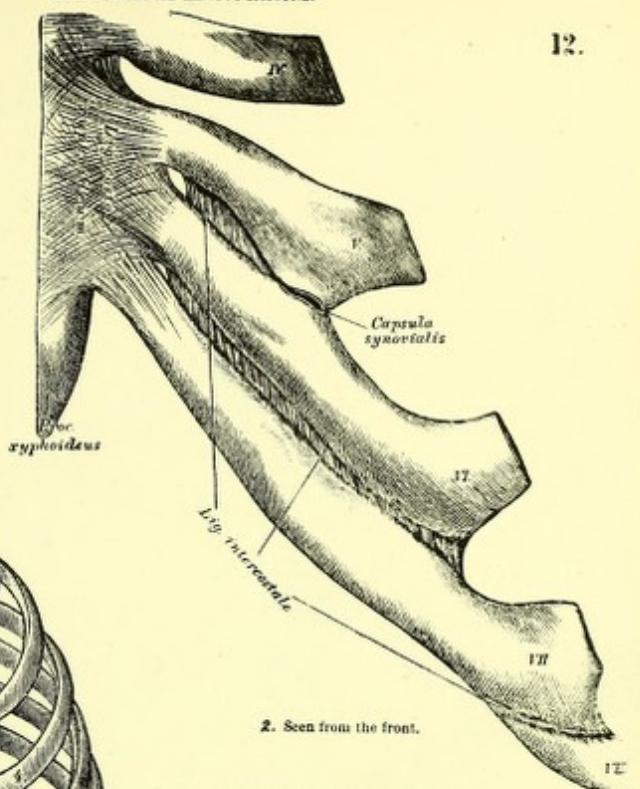


3.

COSTO-STERNAL ARTICULATIONS.

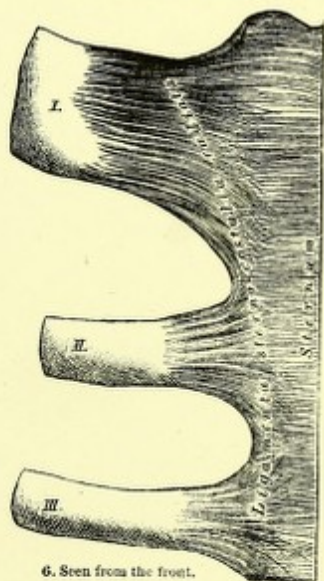


5. In Section.



2. Seen from the front.

COSTO-STERNAL ARTICULATIONS.

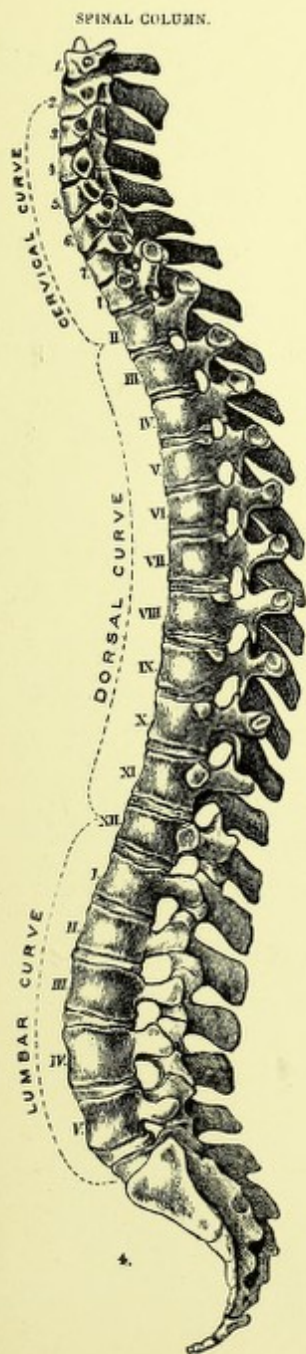


6. Seen from the front.

COSTO-SPINAL ARTICULATIONS.

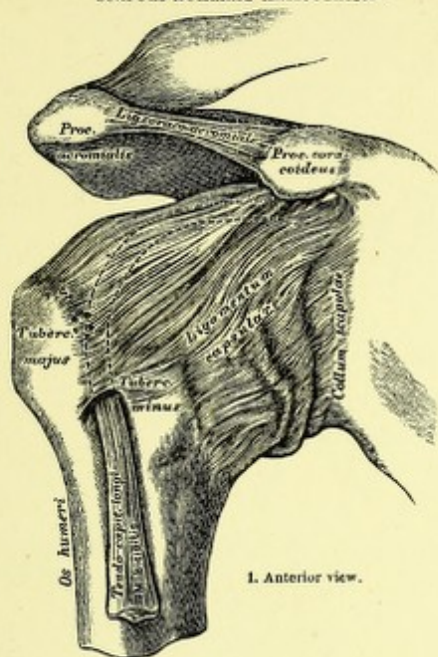


7.

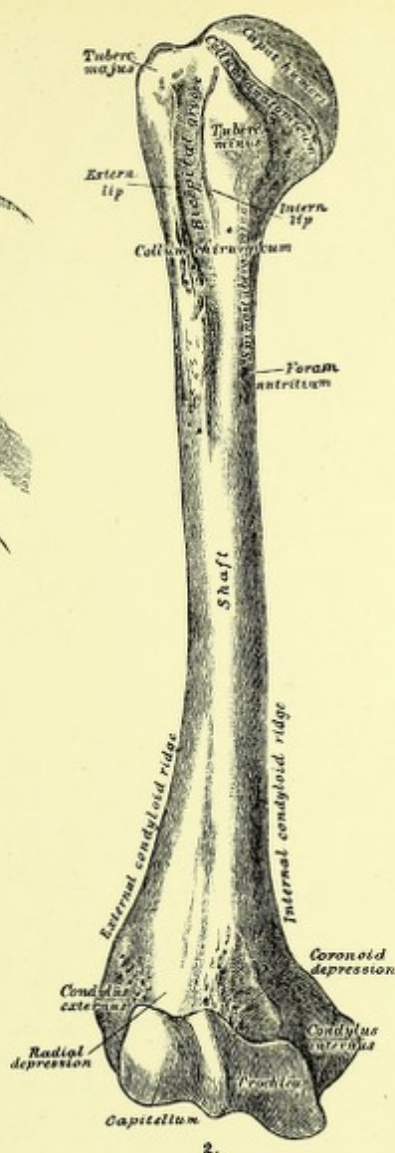


4.

SCAPULO-HUMERAL ARTICULATION.

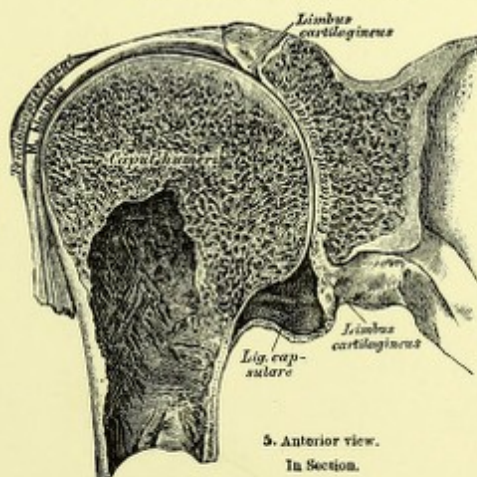


1. Anterior view.



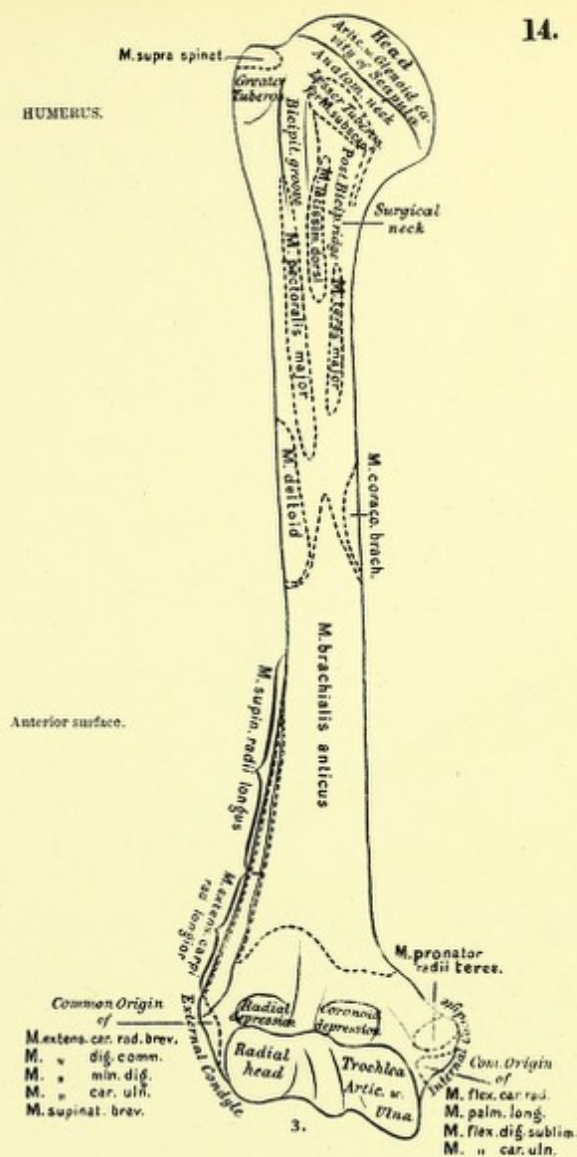
2

SCAPULO-HUMERAL ARTICULATION.



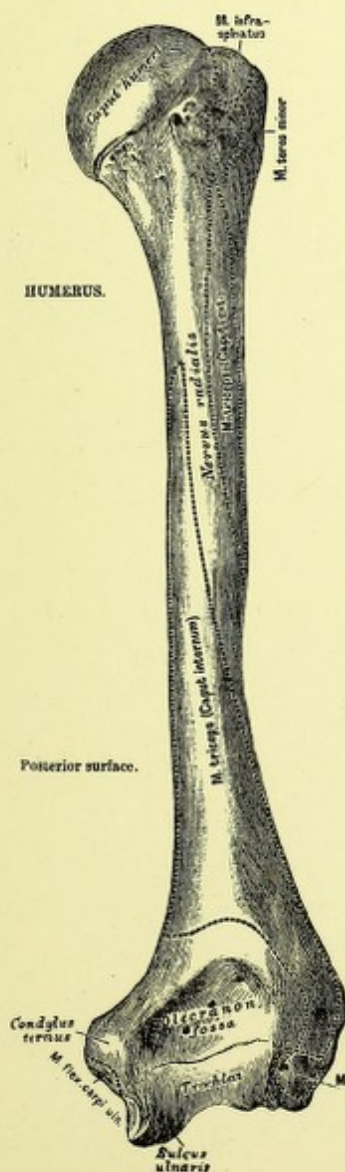
5. Anterior view.
In Section.

HUMERUS.



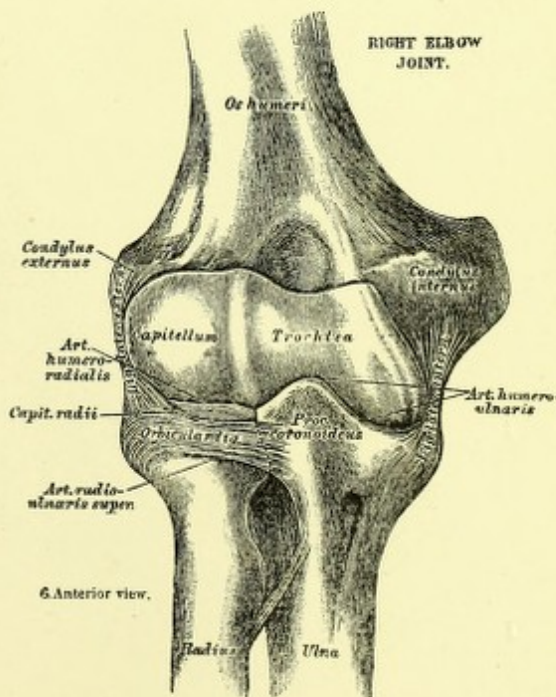
3.

HUMERUS.

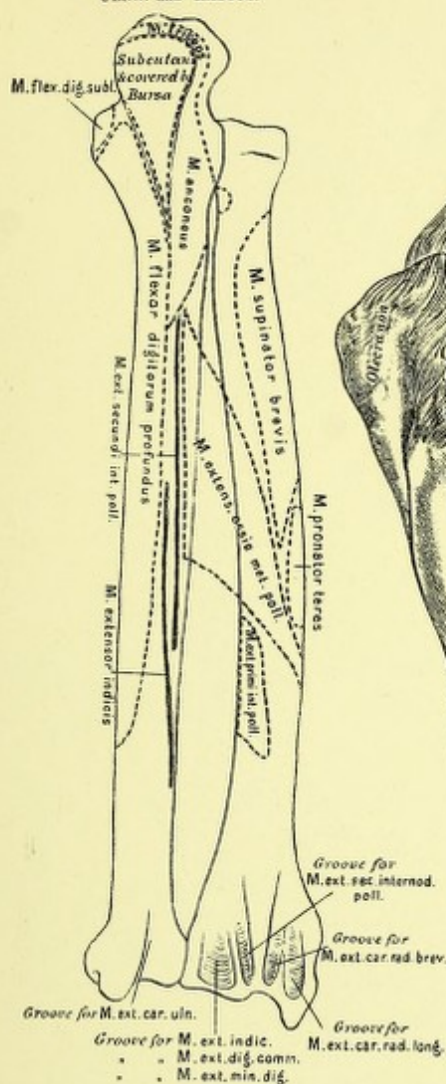


Posterior surface.

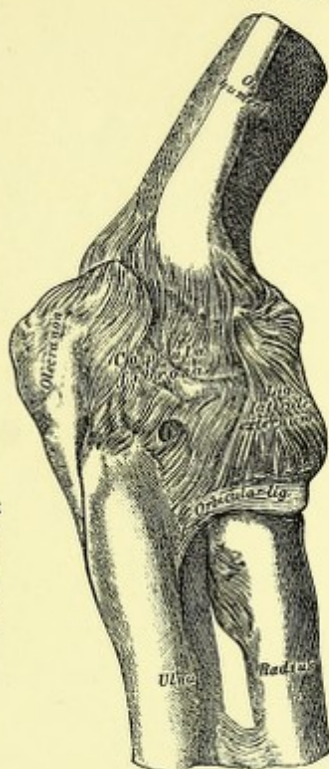
RIGHT ELBOW
JOINT.



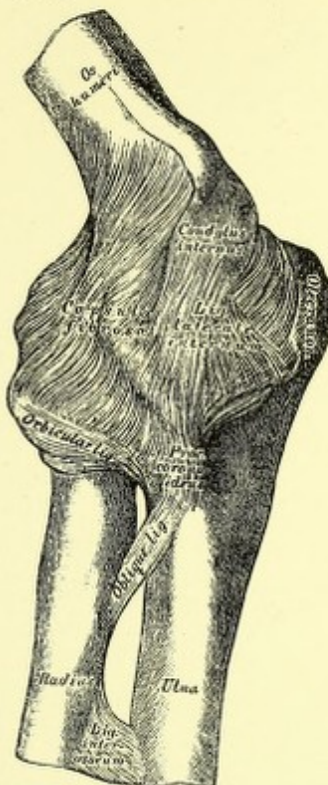
6. Anterior view.



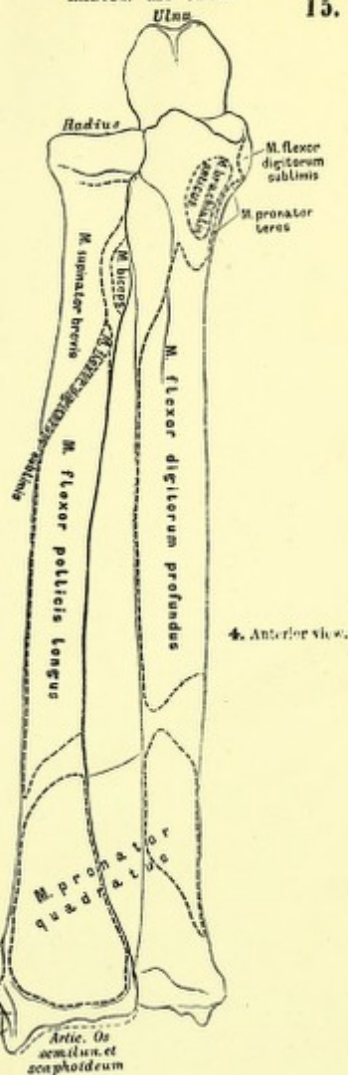
1. Posterior view.



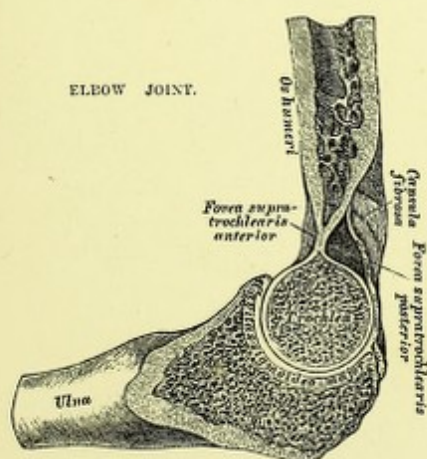
2. External view.



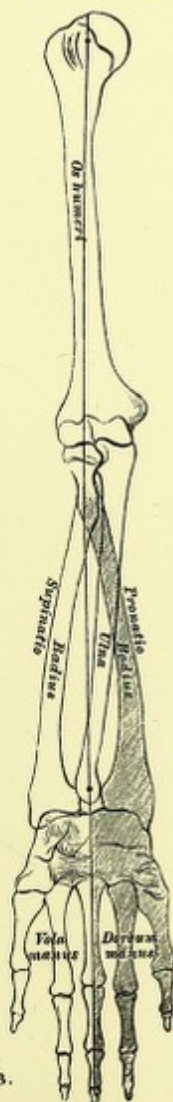
3. Internal view.



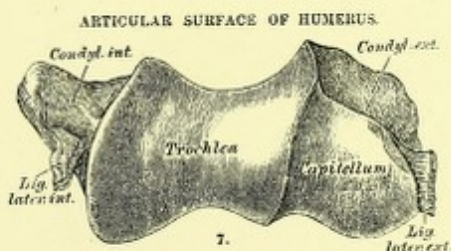
4. Anterior view.



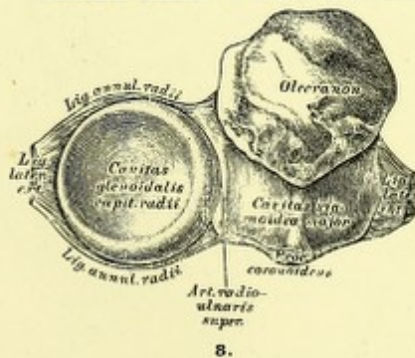
5. Vertical, antero-posterior section.

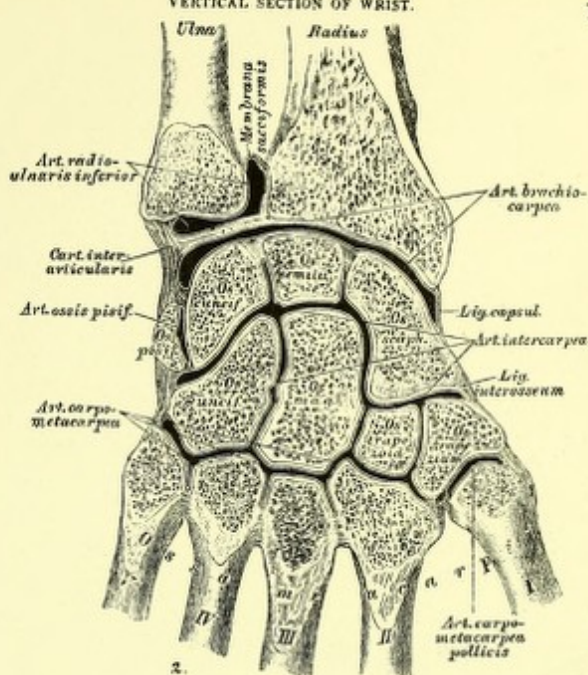
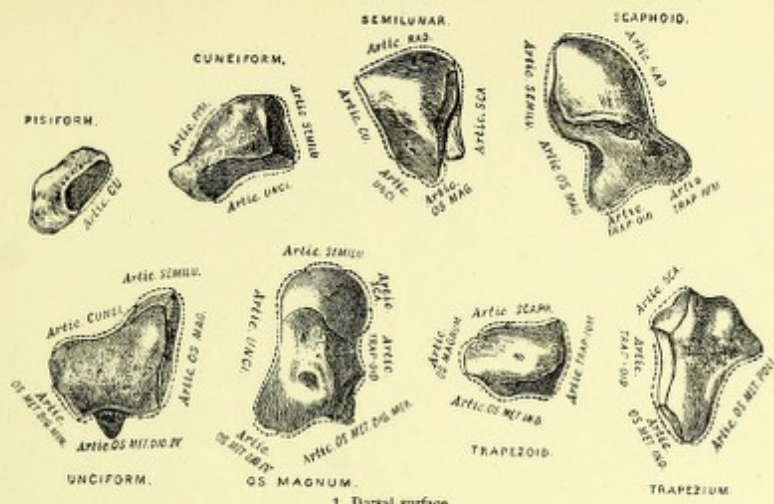


6.



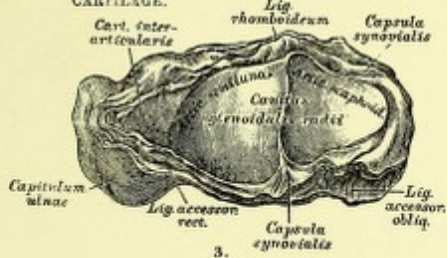
ARTICULAR SURFACE OF RADIUS AND ULNA.



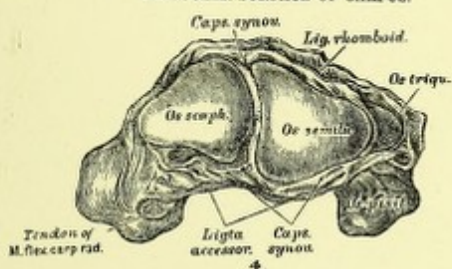


ARTICULAR SURFACE OF RADIUS AND TRIANGULAR

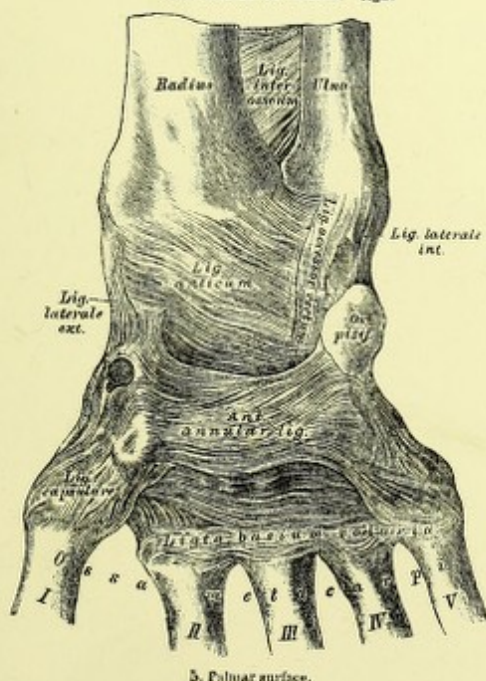
CARTILAGE.



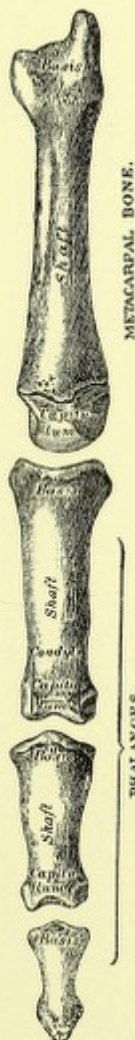
ARTICULAR SURFACE OF CARPUS.



LIGAMENTS OF WRIST. right



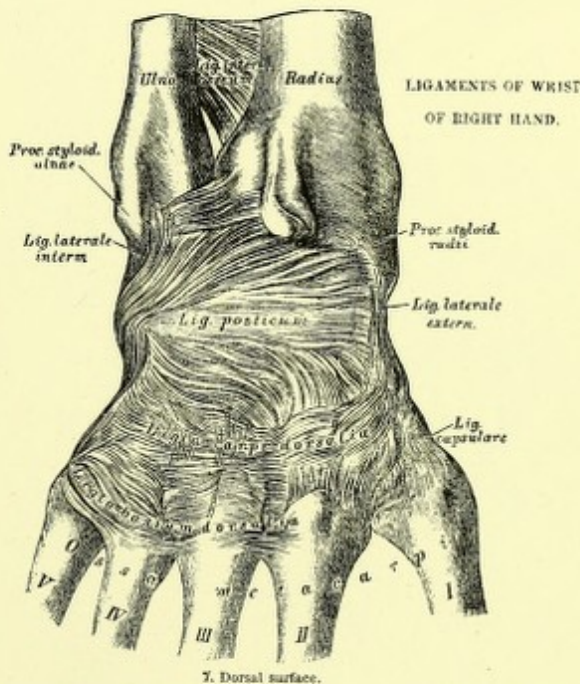
5. Palmar surface.



6. Palmar surface.

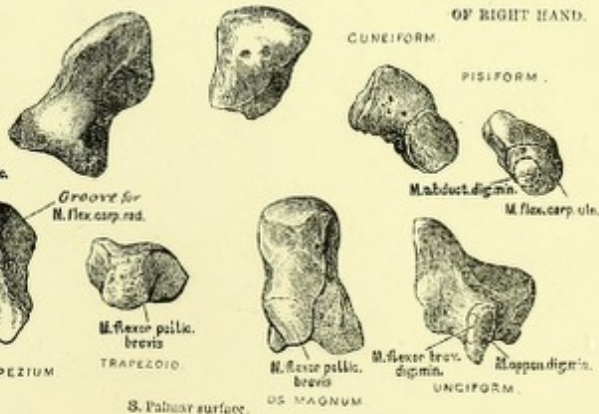


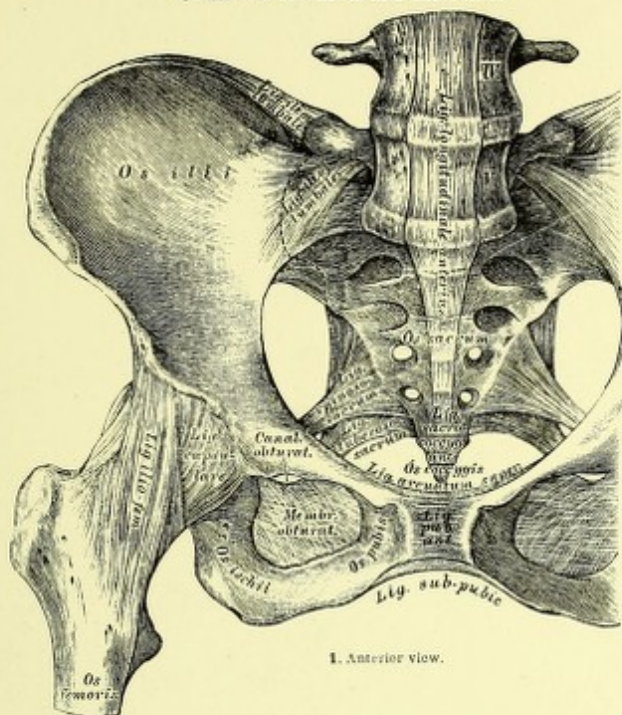
8. Palmar surface.



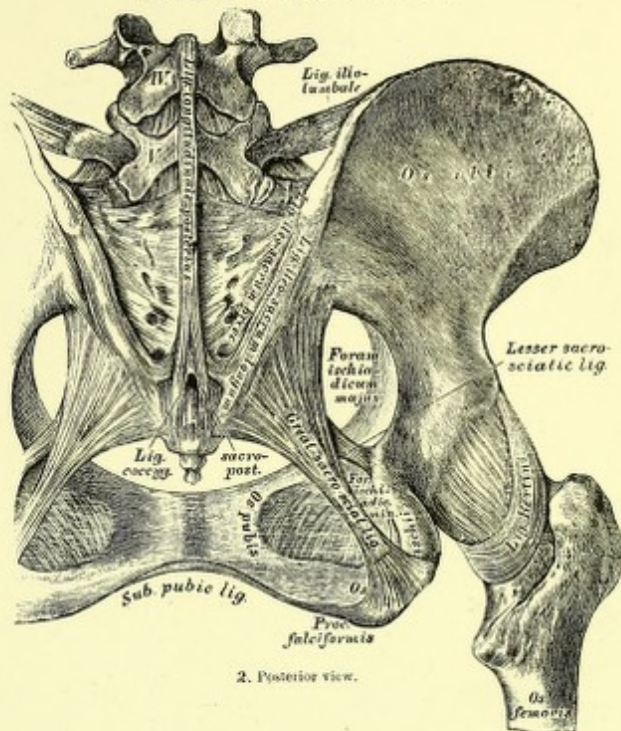
LIGAMENTS OF WRIST OF RIGHT HAND.

CARPAL BONES OF RIGHT HAND.



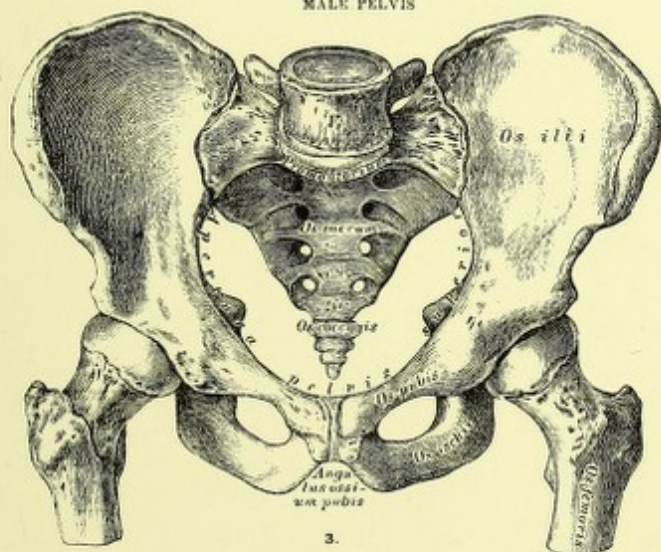


1. Anterior view.



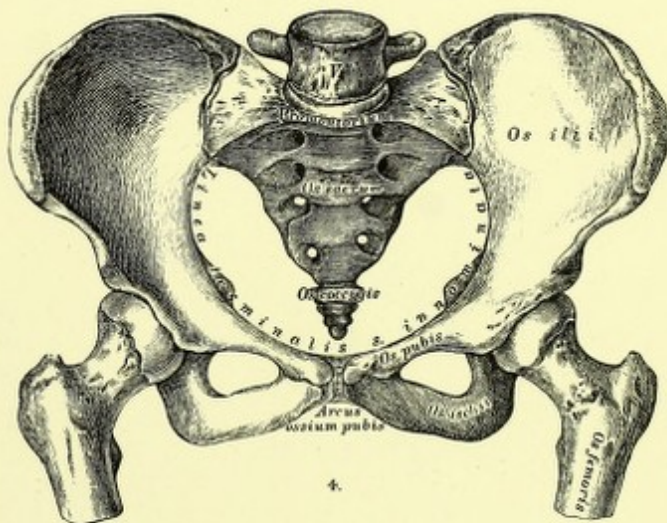
2. Posterior view.

MALE PELVIS



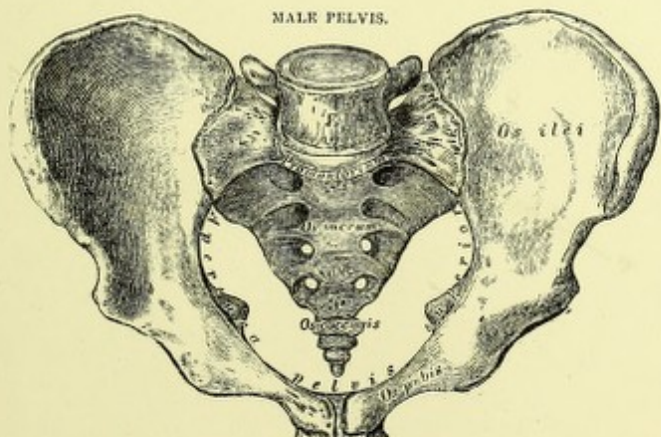
3.

FEMALE PELVIS.



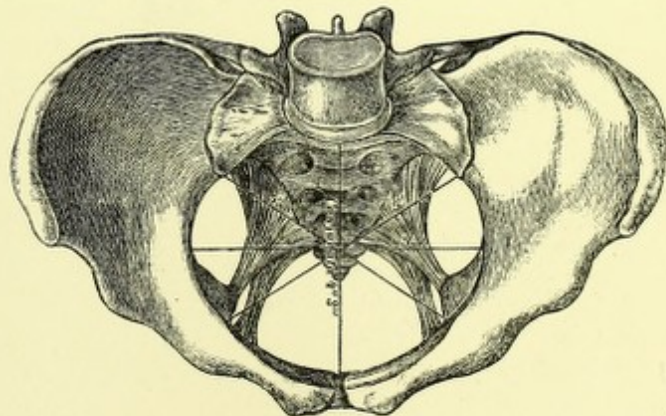
4.

MALE PELVIS.



5. From above.

FEMALE PELVIS.

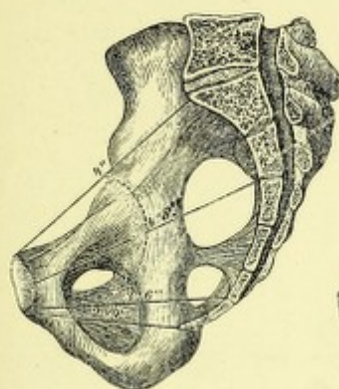


6. From above. Diameters of inlet

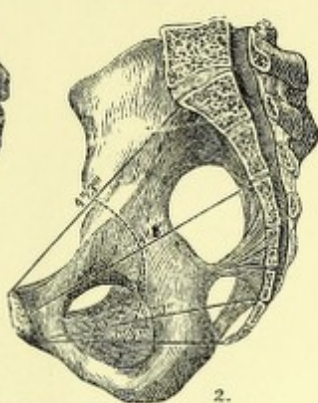
MALE PELVIS.

FEMALE PELVIS.

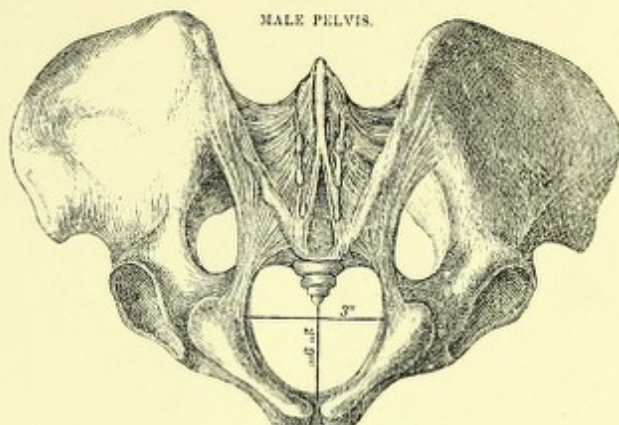
MALE PELVIS.



1. Antero-posterior section showing diameters.



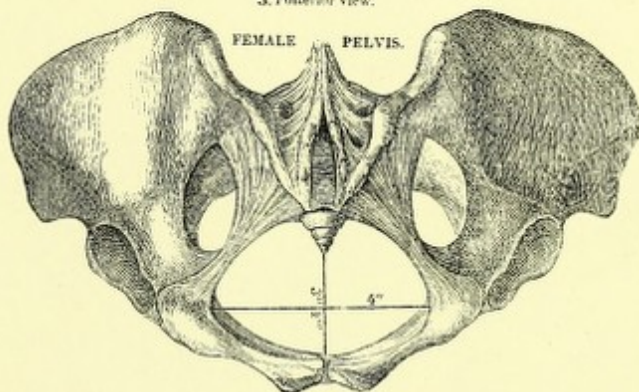
2.



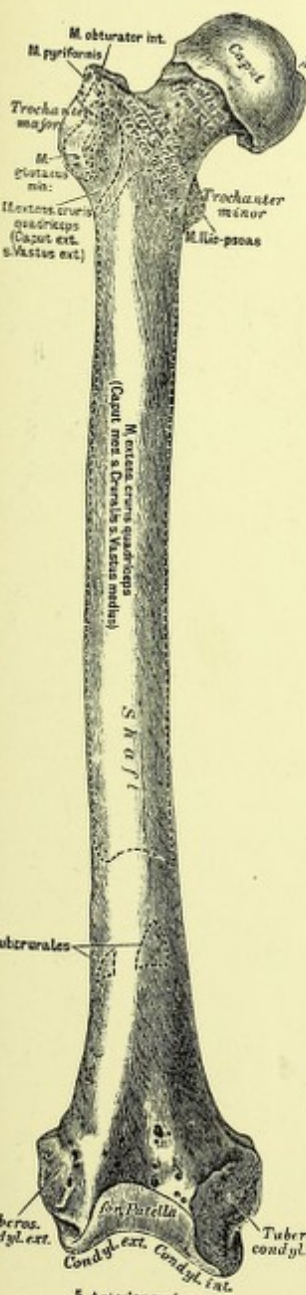
3. Posterior view.

FEMUR.

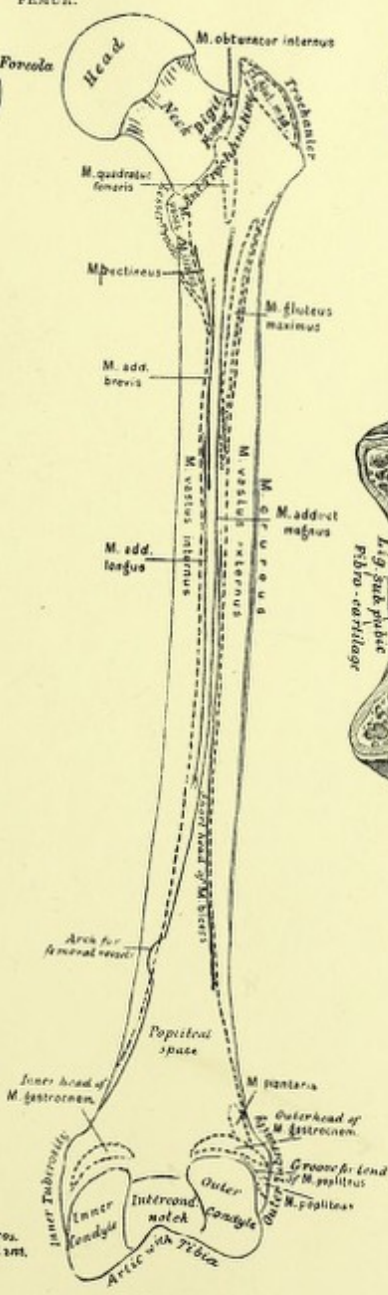
FEMALE PELVIS.



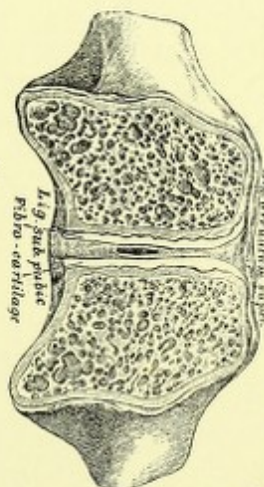
4. Posterior view.



5. Anterior surface.



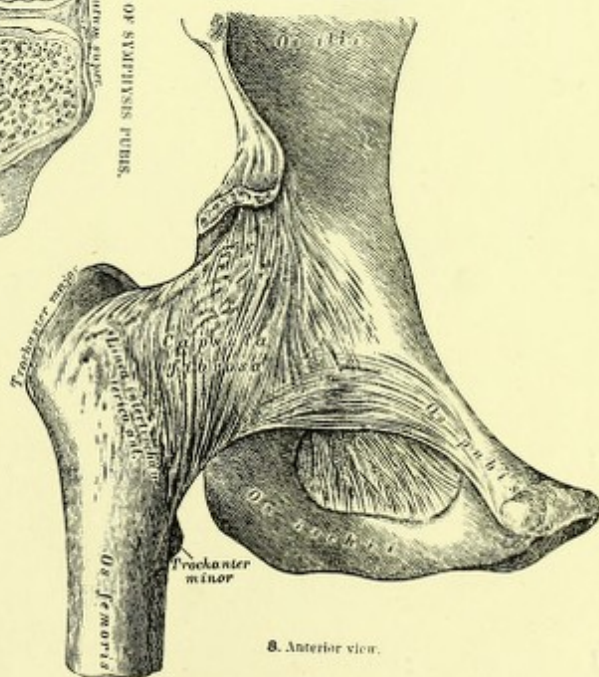
6. Posterior surface.



7.

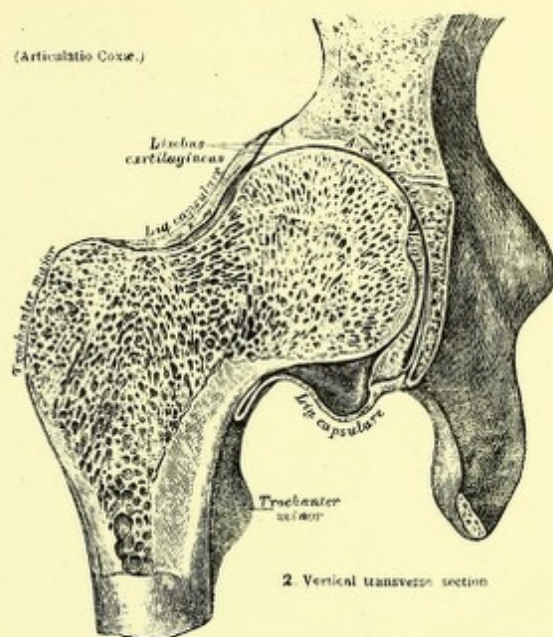
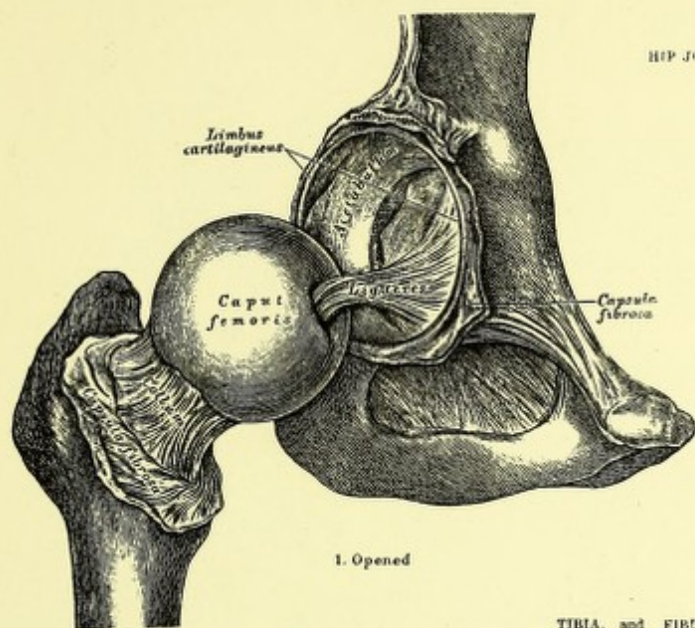
VERTICAL SECTION OF SYMPHYSIS PUBIS.

HIP JOINT. (Articulatio Coxae.)

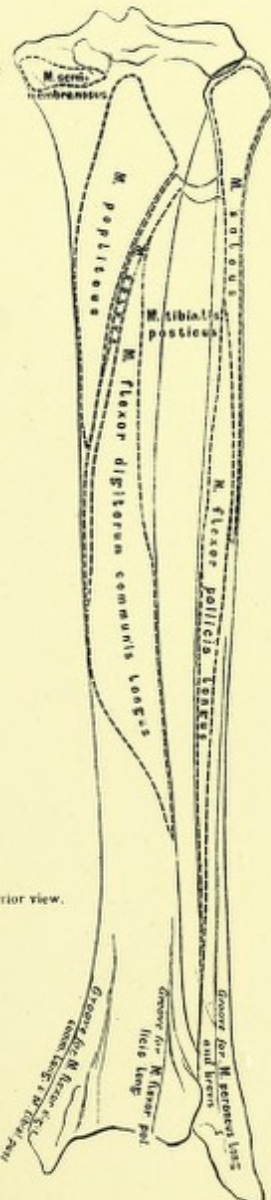
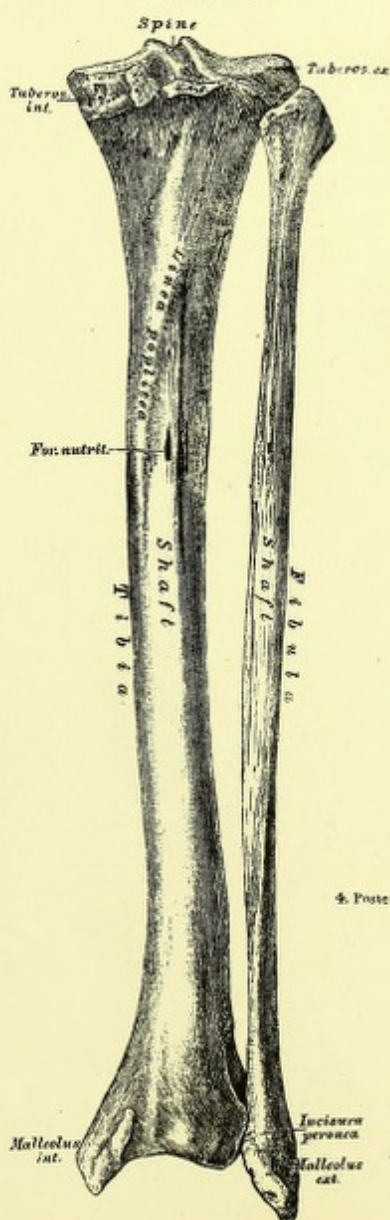
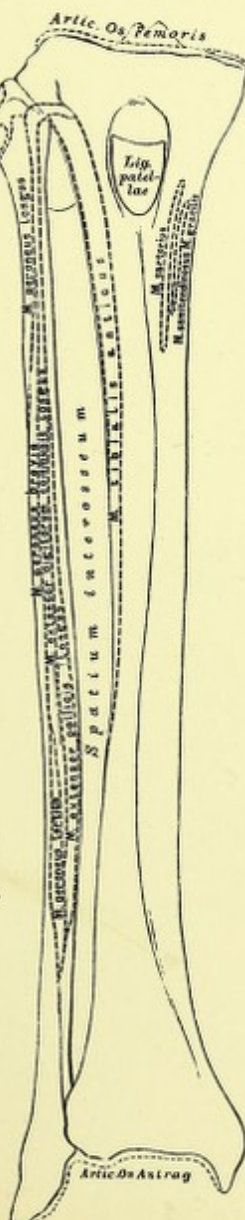
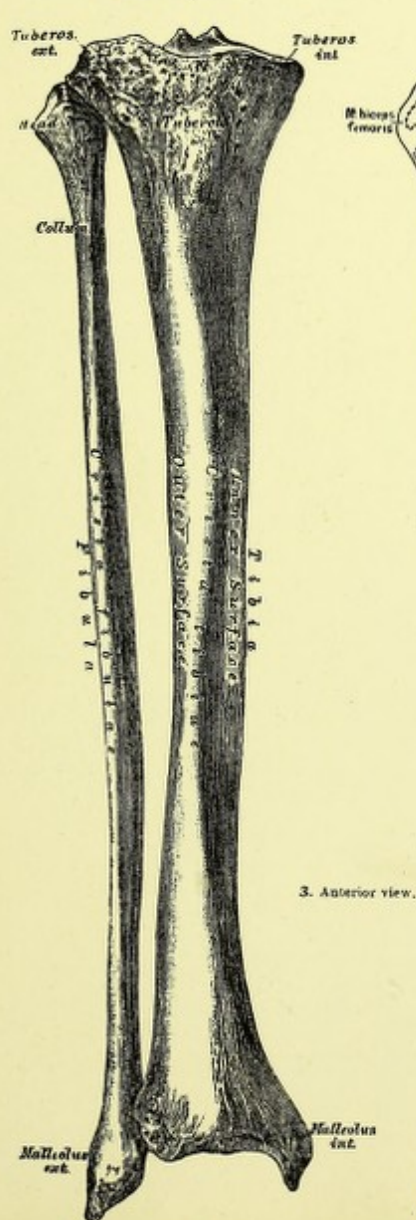


8. Anterior view.

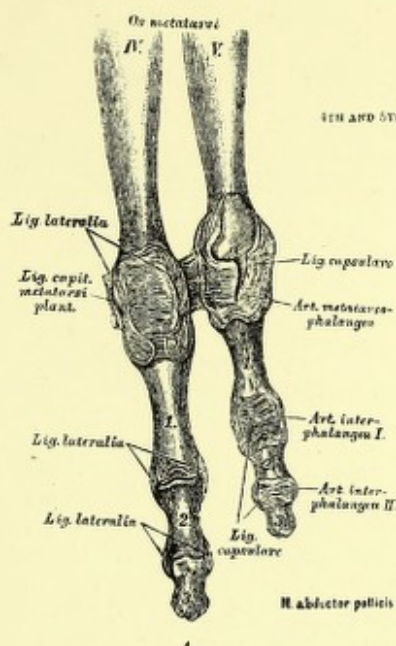
HIP JOINT, (*Articulatio Coxæ.*)



TIBIA. and FIBULA.

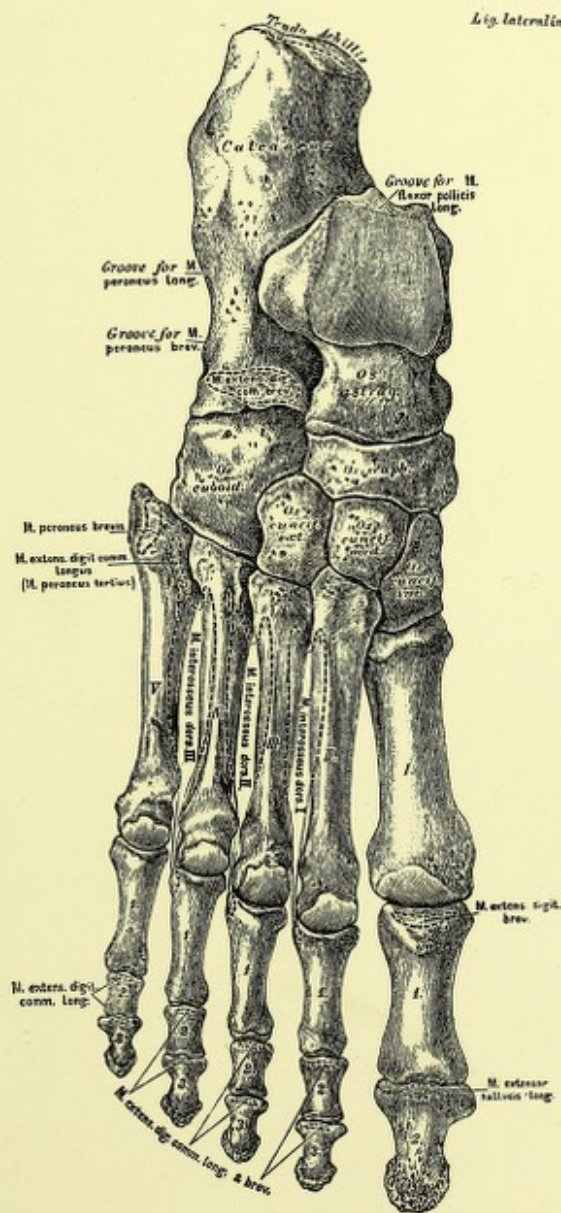


4TH AND 5TH TOES, AND THEIR LIGAMENTS OF RIGHT FOOT.

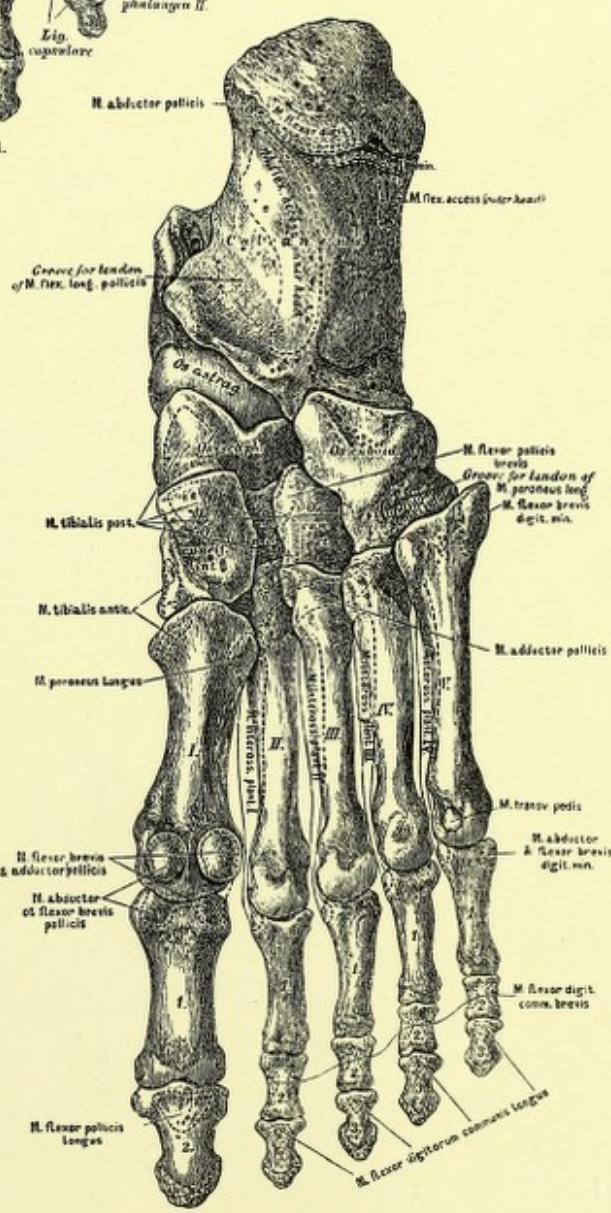


BONES OF RIGHT FOOT.

BONES OF RIGHT FOOT.

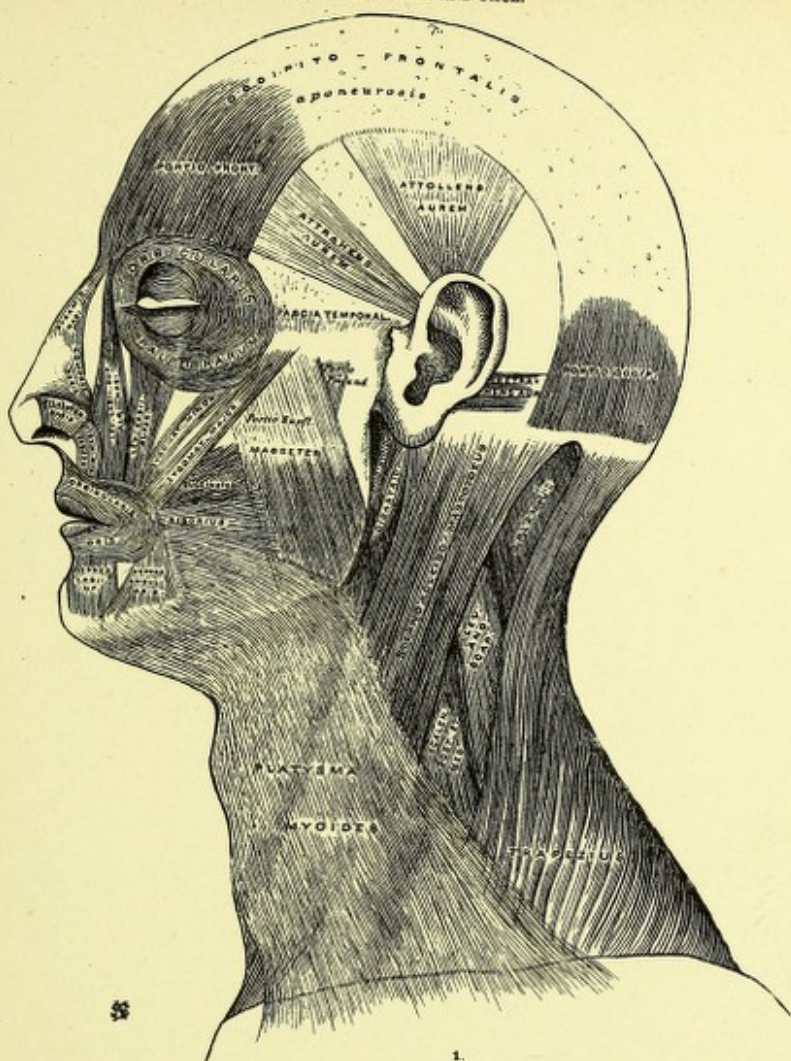


2. Dorsal surface.

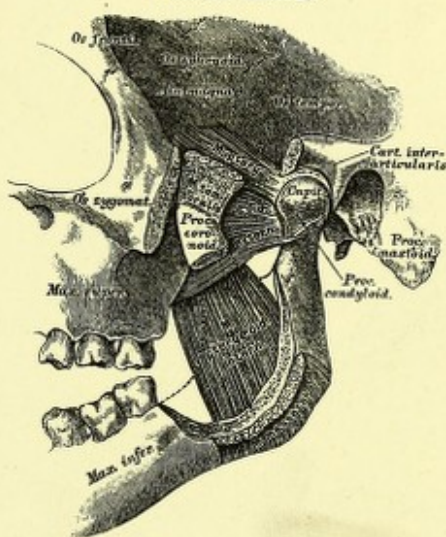


3. Plantar surface.

MUSCLES, FASCIÆ
ORGANS OF SPECIAL SENSE
TOPOGRAPHY AND VISCERA

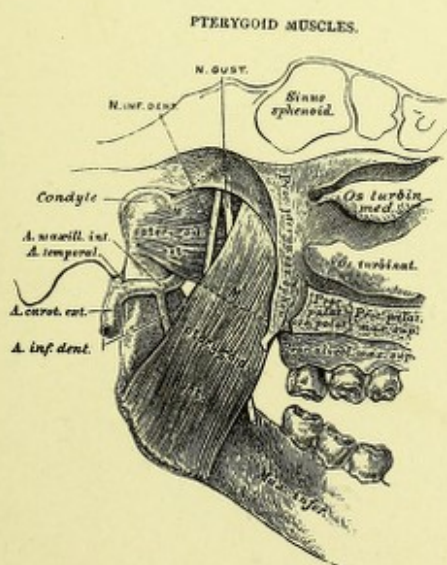


PTERYGOID MUSCLES.

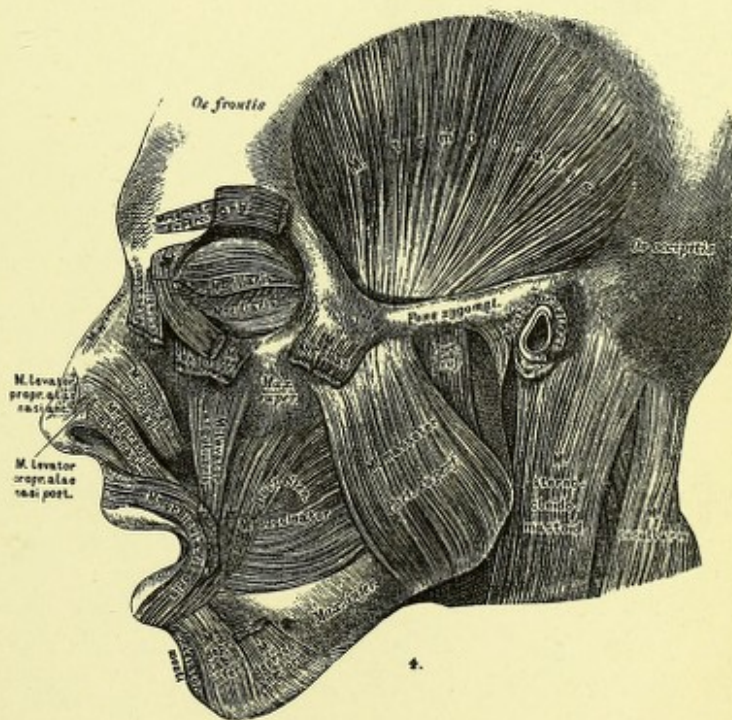


2. Zygomatic Arch, and part of lower Maxilla removed.

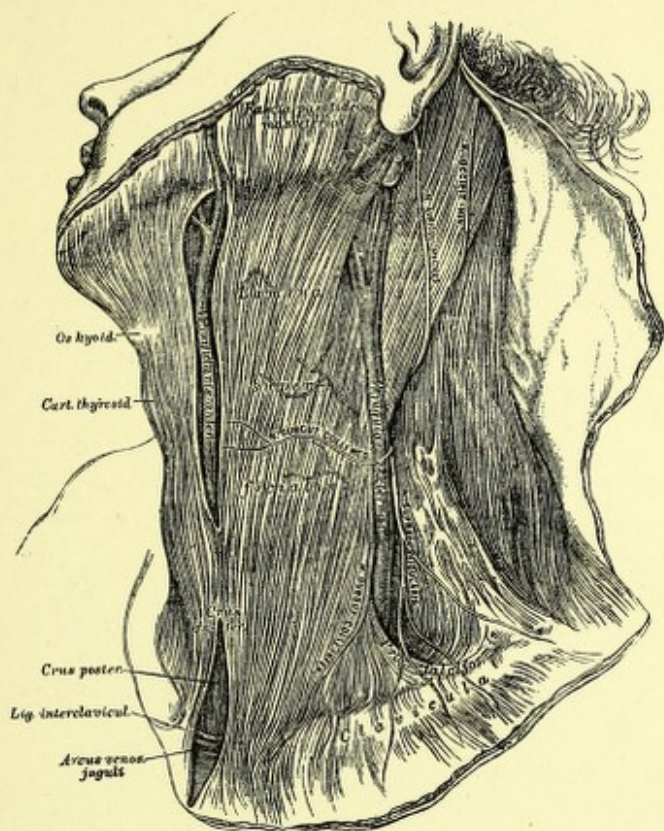
MUSCLES OF HEAD AND FACE.



3. Internal view.

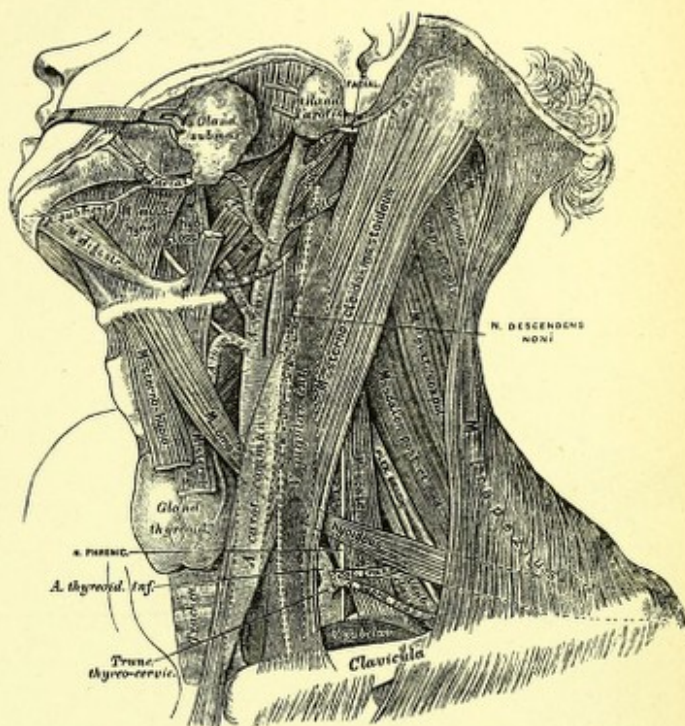


PASCLA OF NECK.



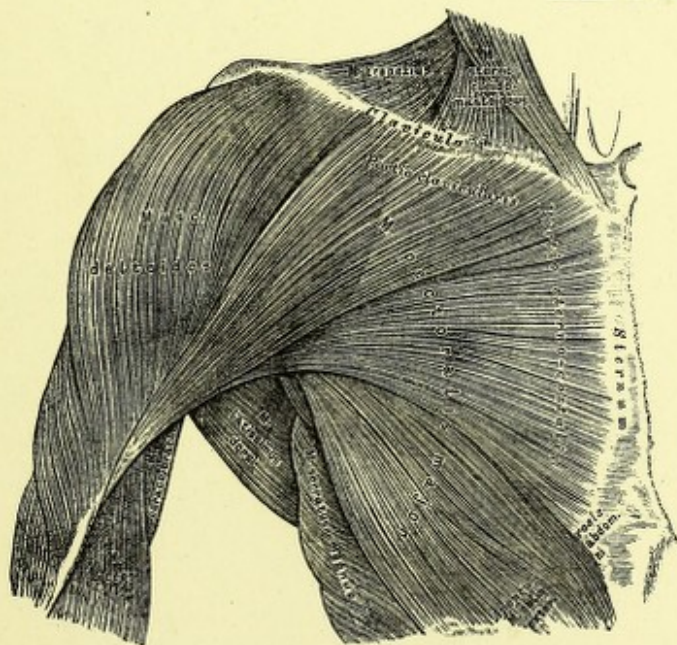
1.

TYPOGRAPHICAL ANATOMY OF NECK.

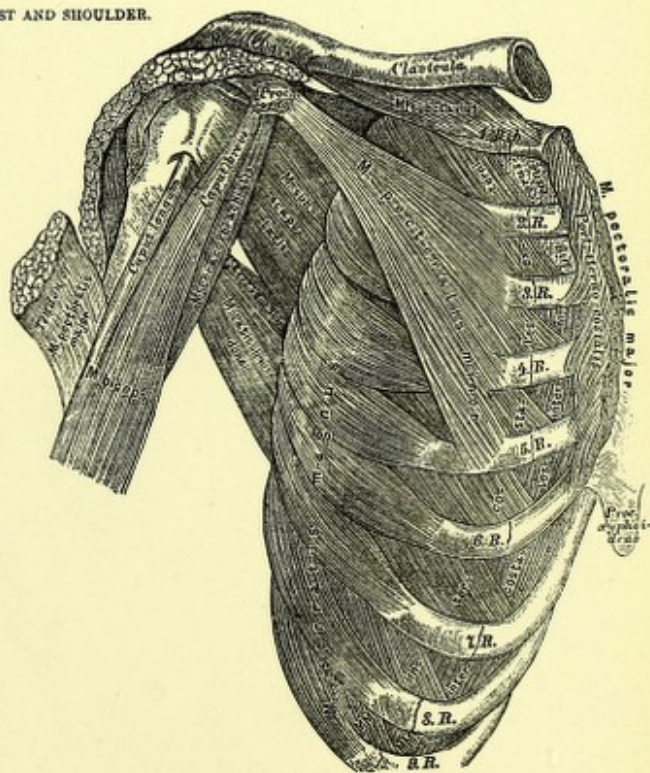


2.

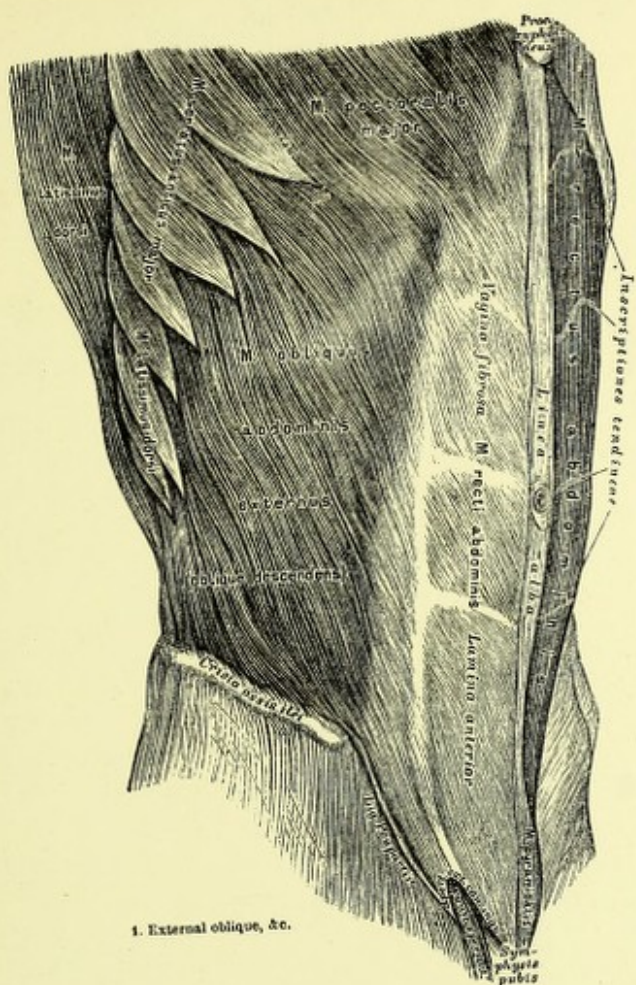
MUSCLES OF CHEST AND SHOULDER.



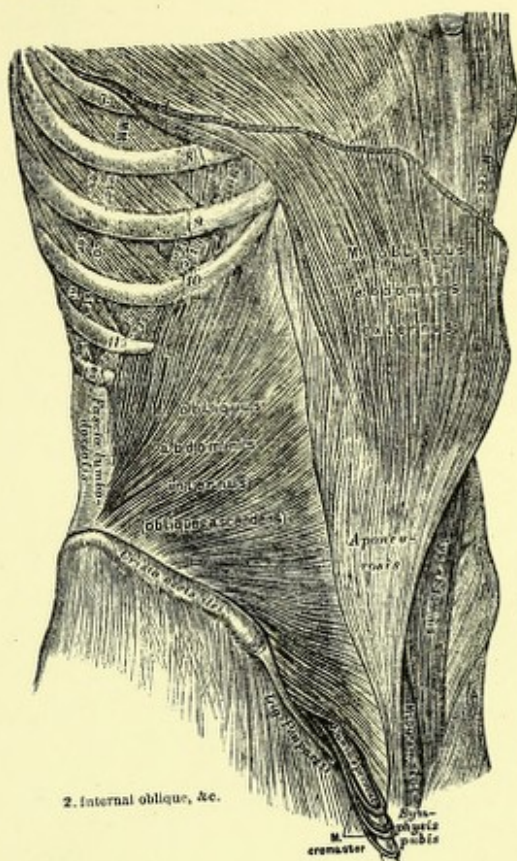
3. Superficial layer.



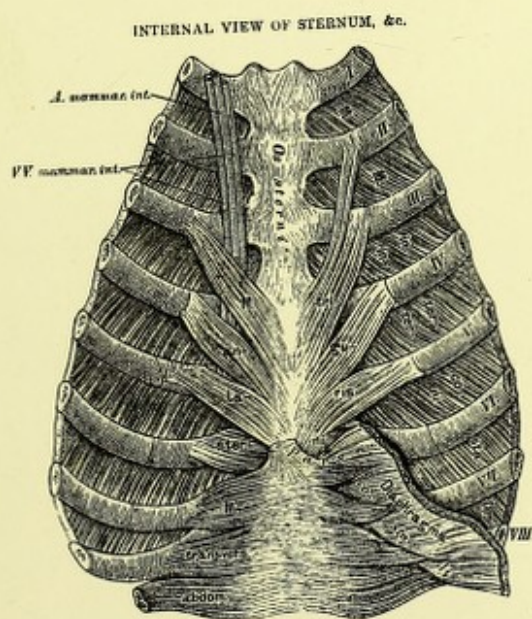
4. Deep layer, showing axilla.



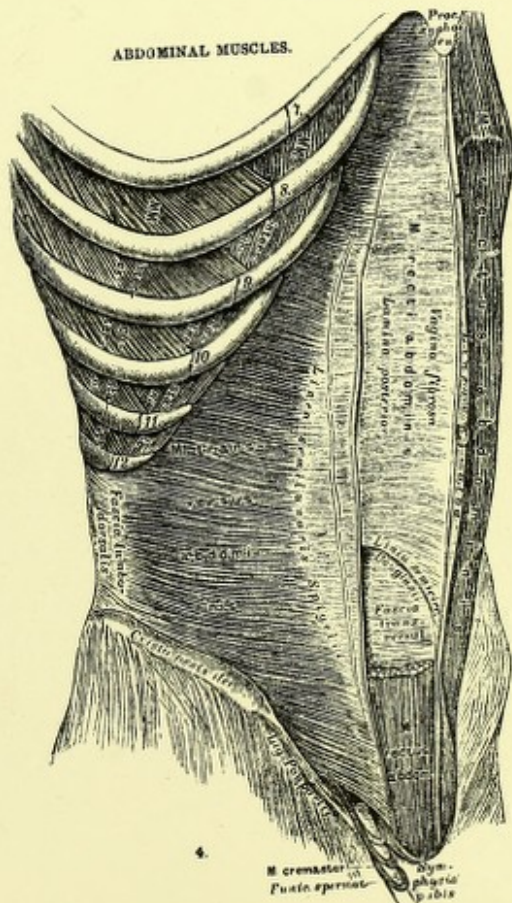
1. External oblique, &c.



2. Internal oblique, &c.

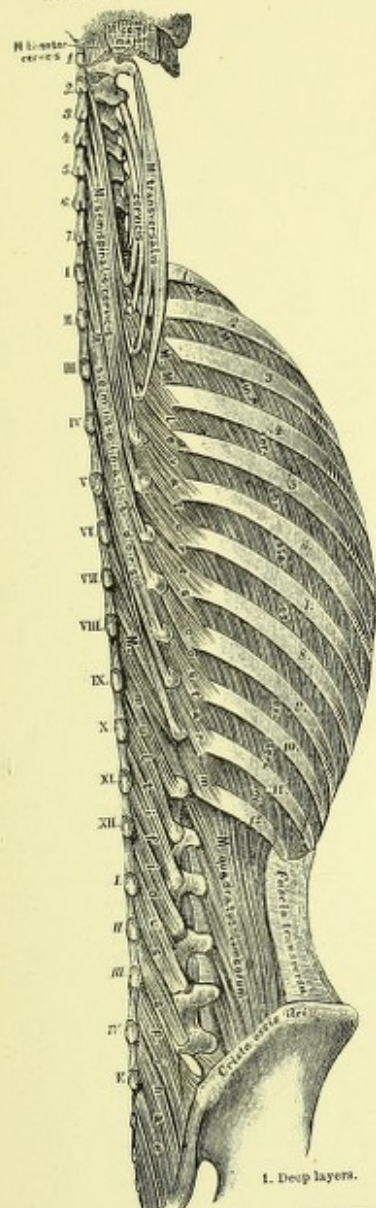


3. Transversalis

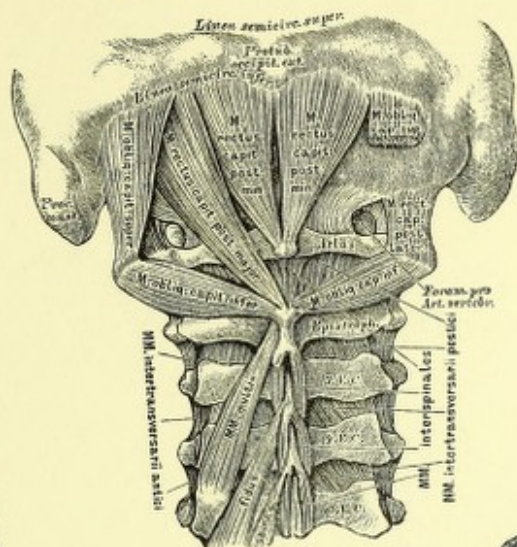


4.

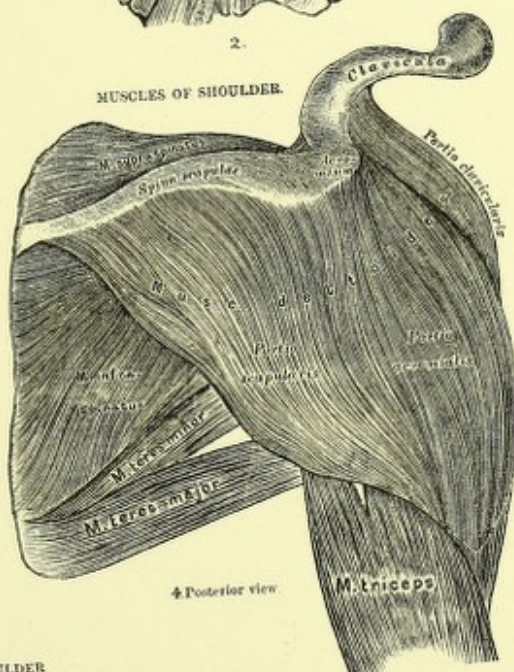
DORSAL MUSCLES.



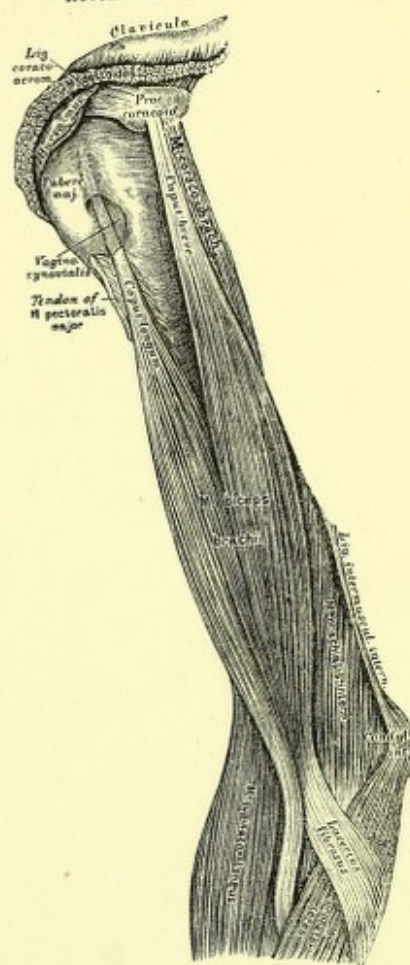
DEEP POSTERIOR MUSCLES OF NECK.



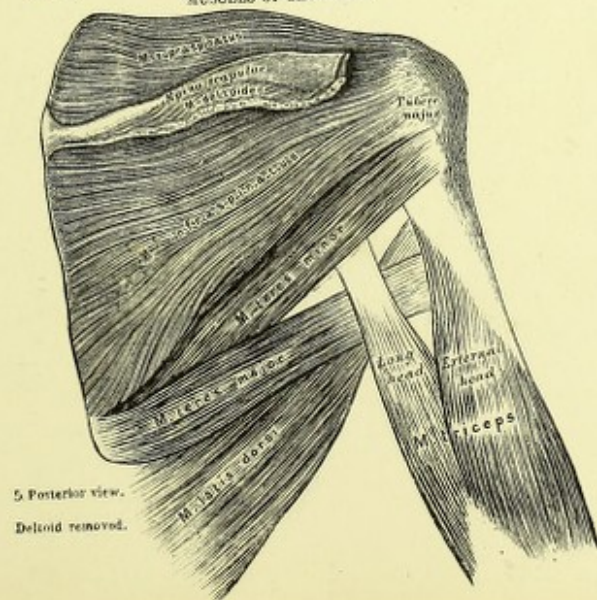
MUSCLES OF SHOULDER.



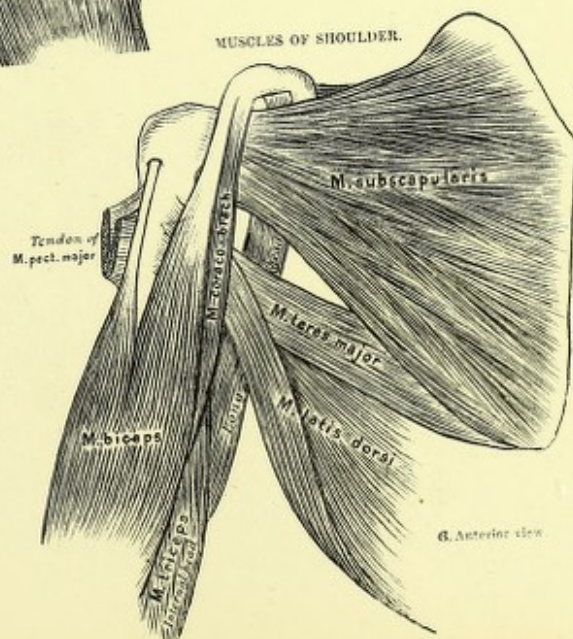
MUSCLES OF ARM.



MUSCLES OF SHOULDER.

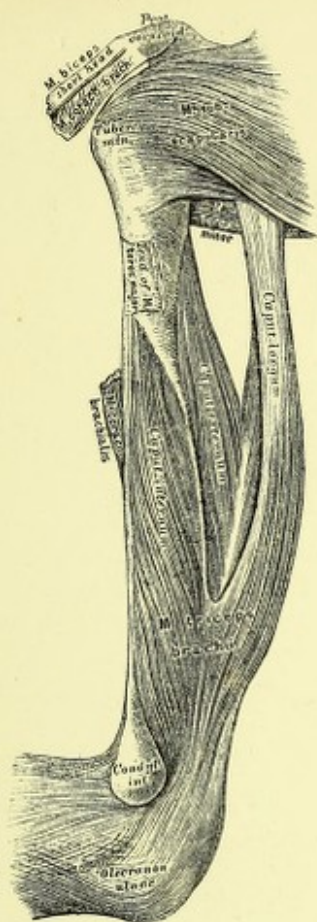


MUSCLES OF SHOULDER.

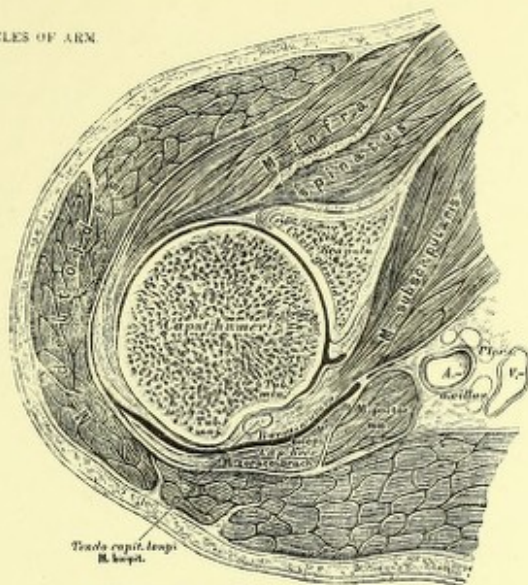


ELBOW JOINT.

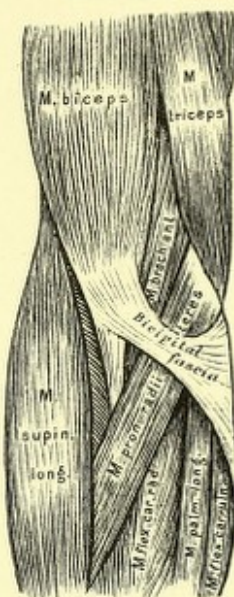
MUSCLES OF ARM.



1. Inner view of Right arm.

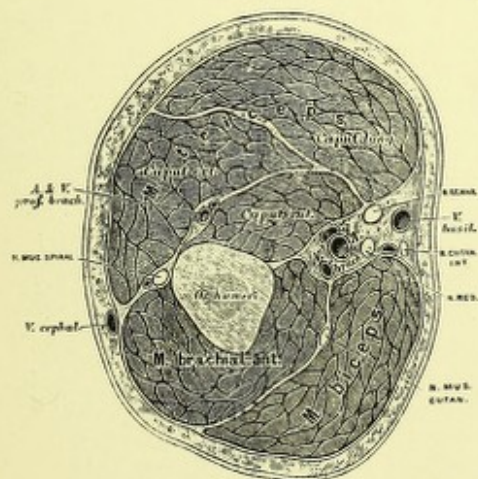


2. Horizontal section of Shoulder Joint at level of greater tuberosity of humerus.

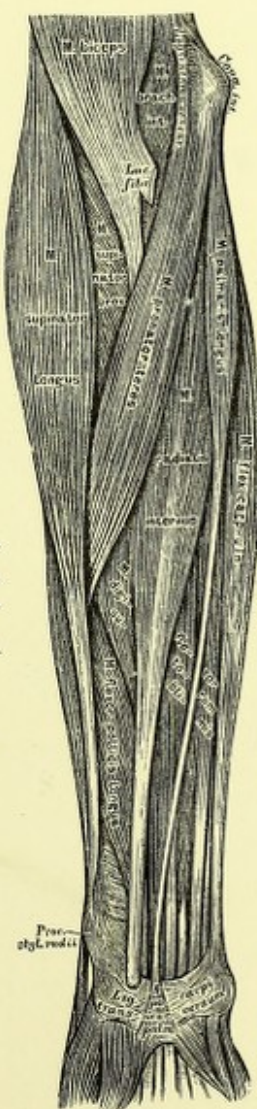


3. Anterior view.

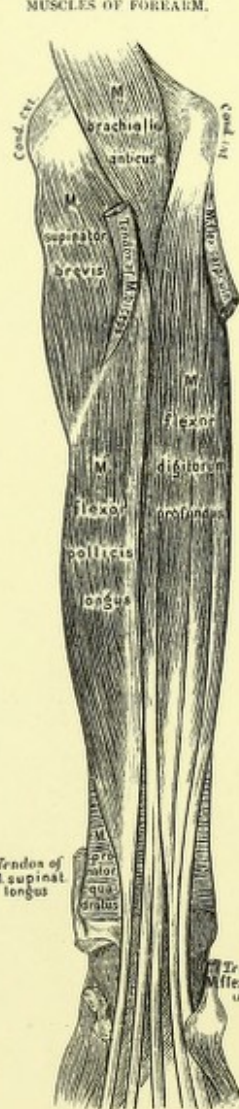
MUSCLES OF FOREARM.



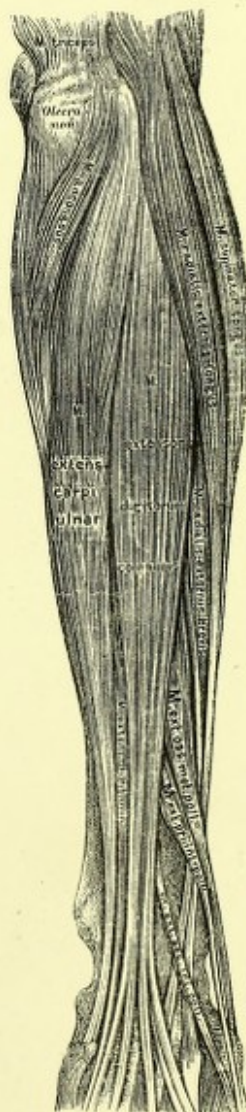
4. Horizontal section at middle third of Arm.



Tendon of M. supinator longus



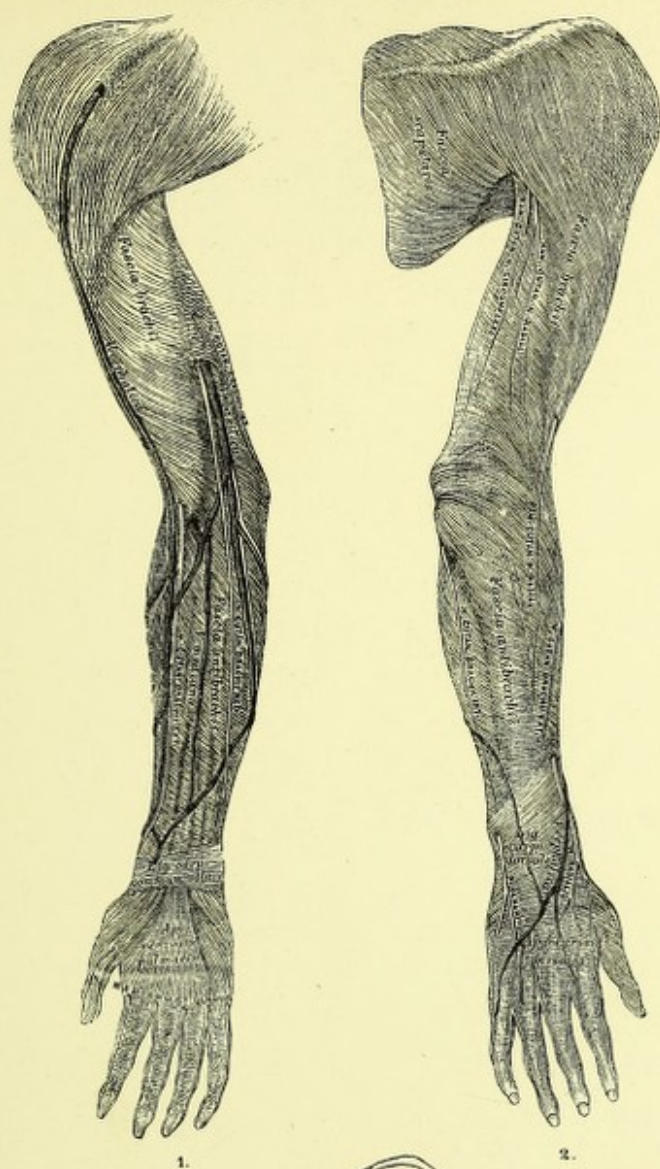
Tendon of M. flexor carpi ulnaris



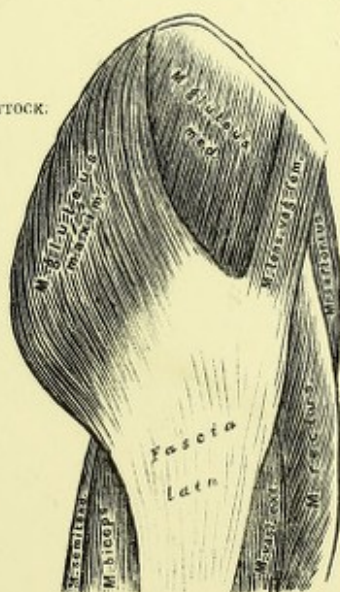
5. Posterior view.

6 Deep layer

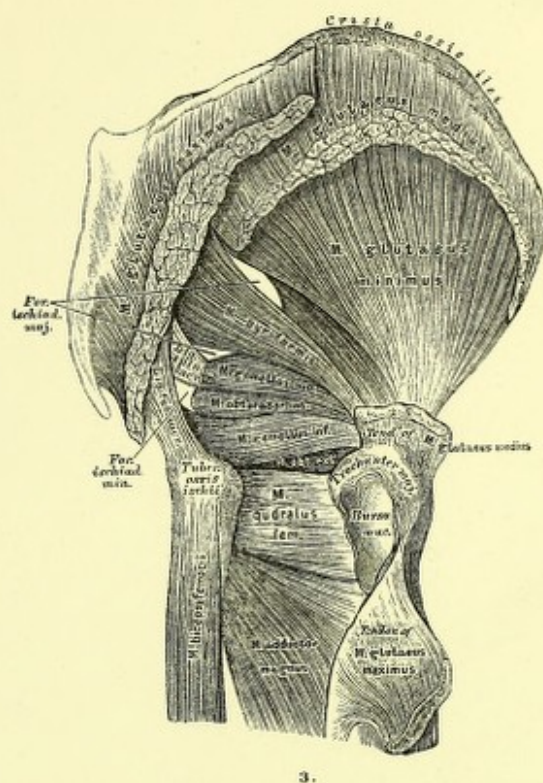
FASCIA OF UPPER EXTREMITY.



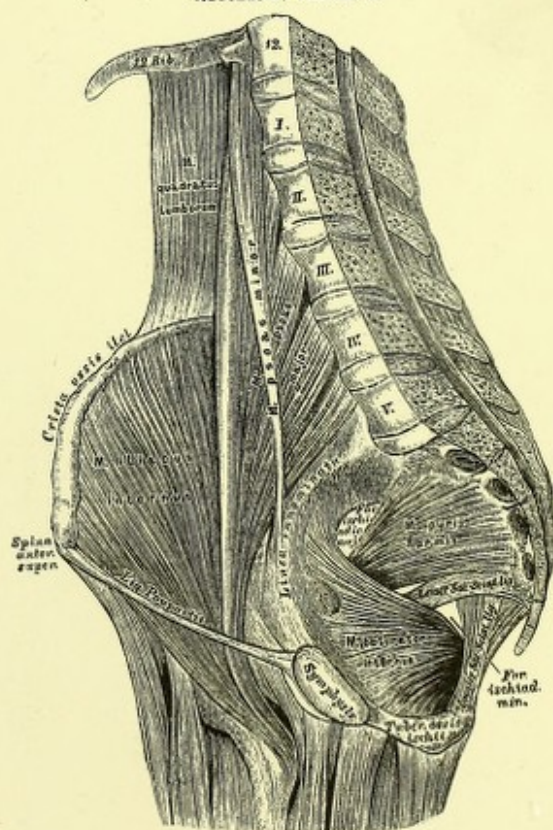
MUSCLES OF BUTTOCK.

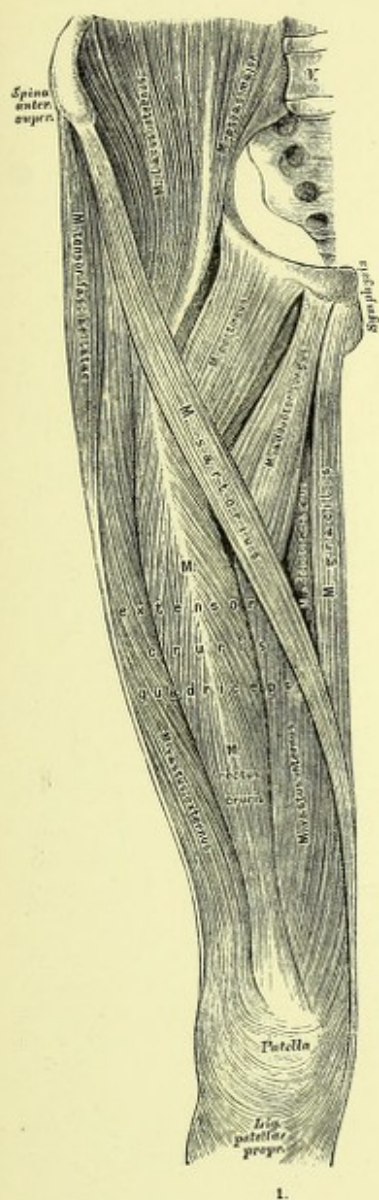


MUSCLES OF BUTTOCK



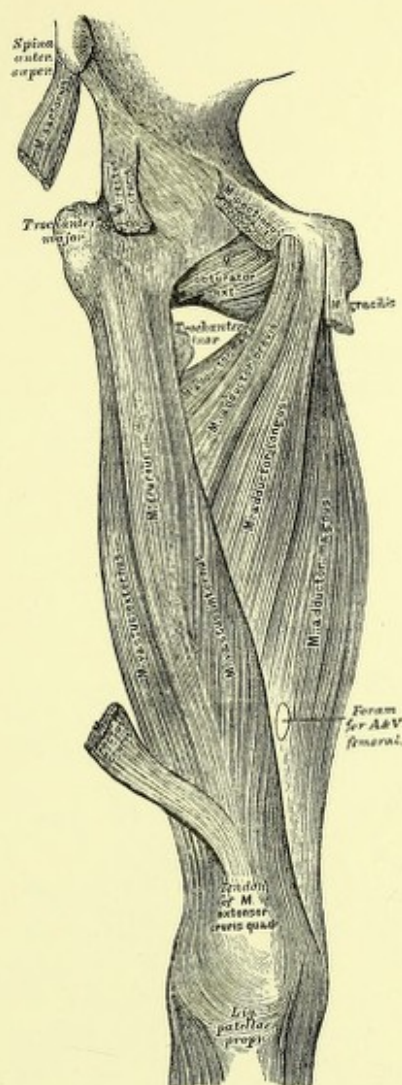
MUSCLES OF PELVIS, &c



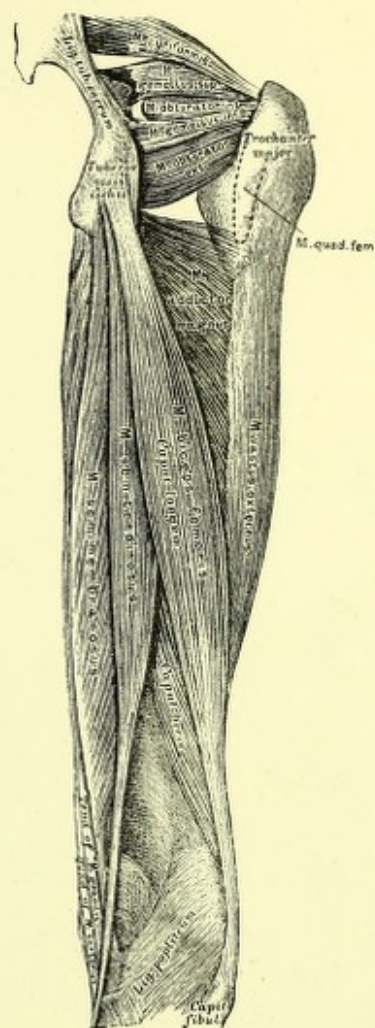


1.

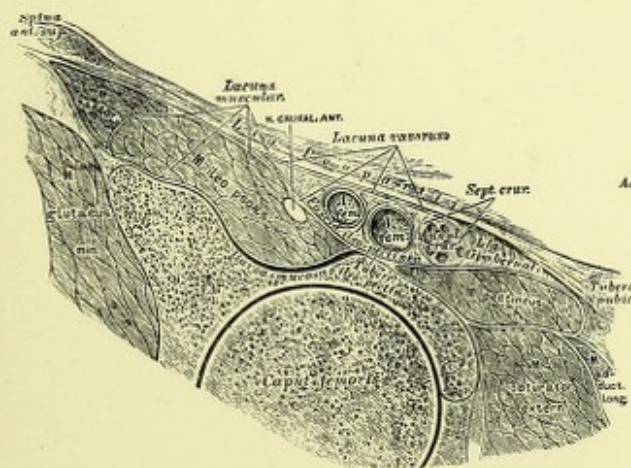
Anterior view.



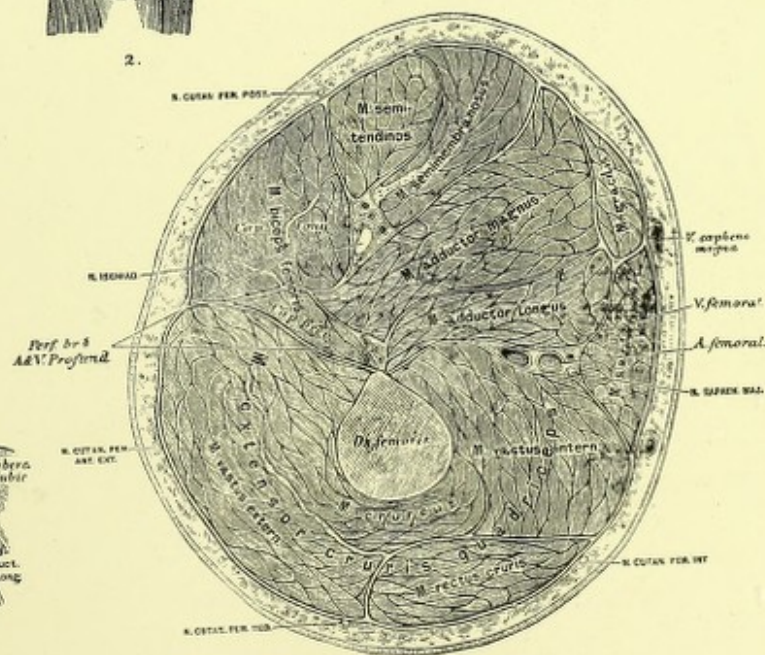
2.



3. Posterior view.

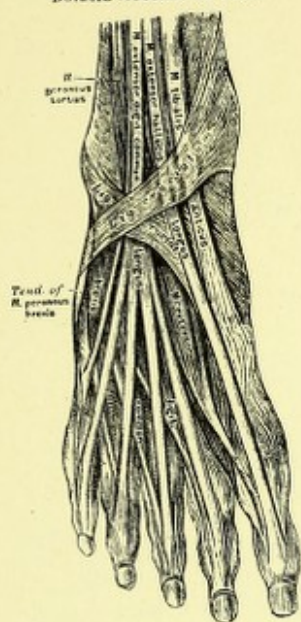


4. Section through Thigh Joint at level of Poypart's Ligament.



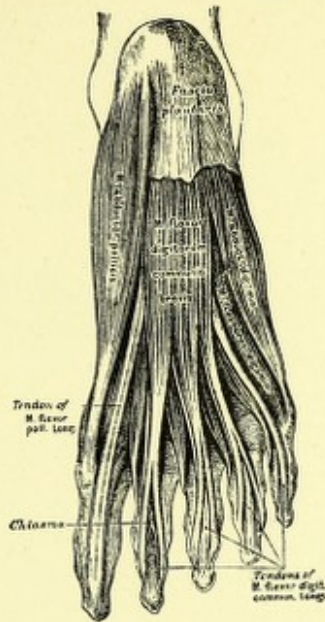
5. Horizontal section in upper third of Thigh.

DORSAL MUSCLES OF FOOT.

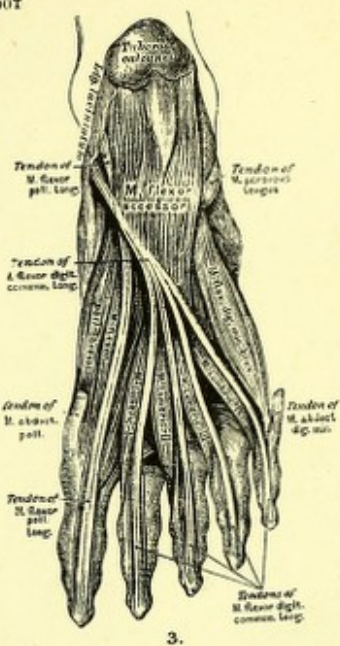


1.

PLANTAR MUSCLES OF FOOT

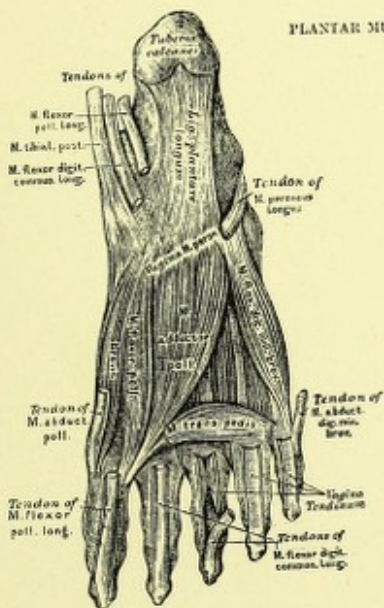


2.



3.

PLANTAR MUSCLES OF FOOT.

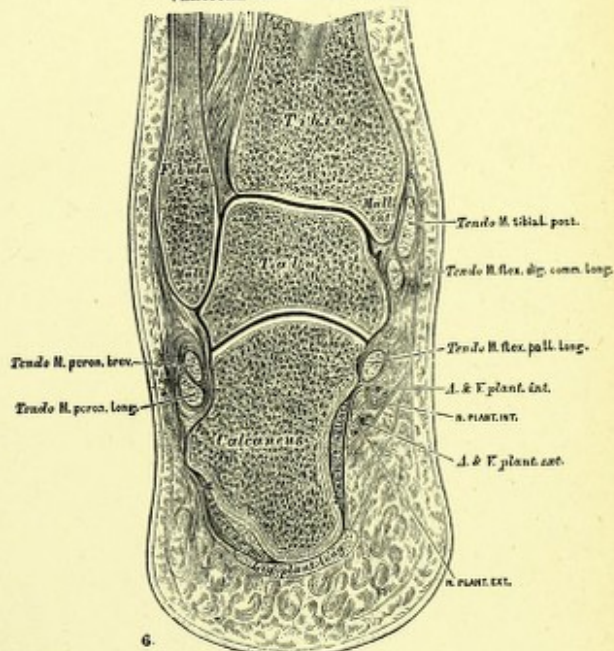


4.



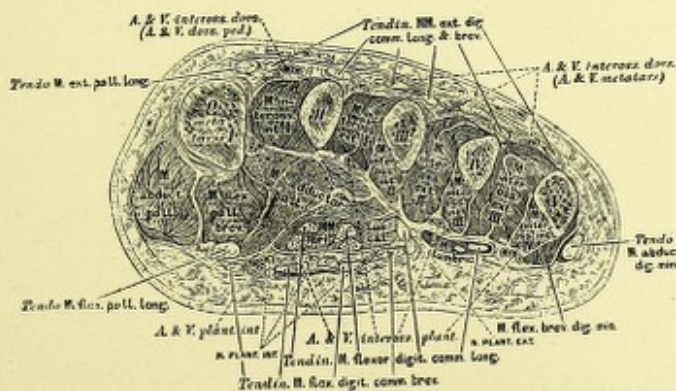
5.

VERTICAL SECTION OF ANKLE.



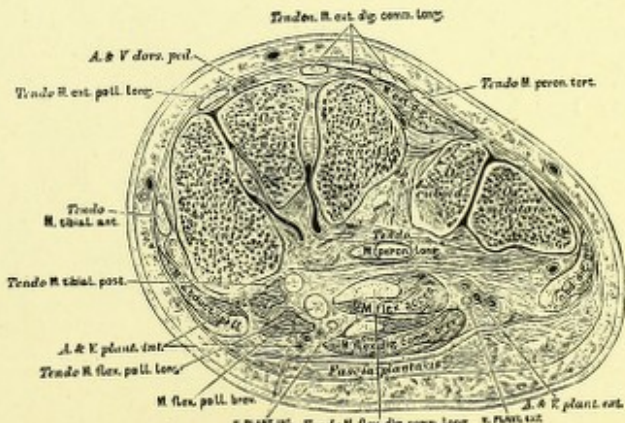
6.

SECTION THROUGH METATARSUS.



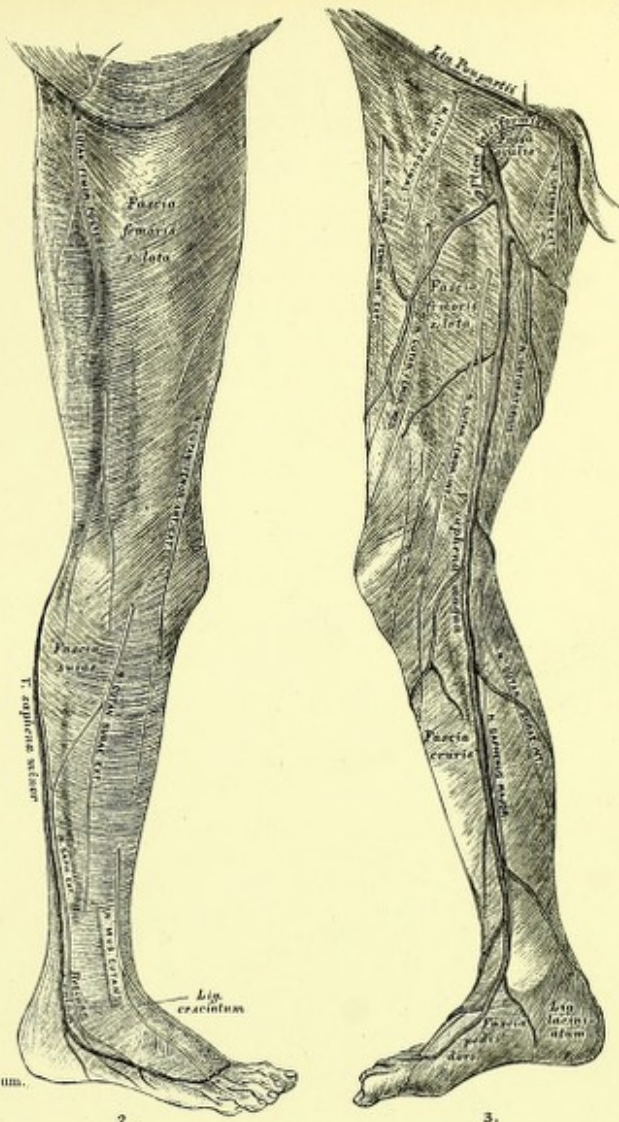
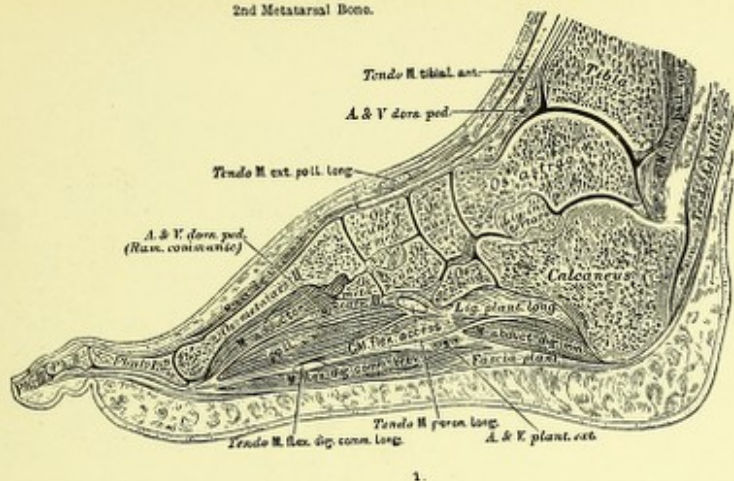
7.

SECTION THROUGH TARSUS.

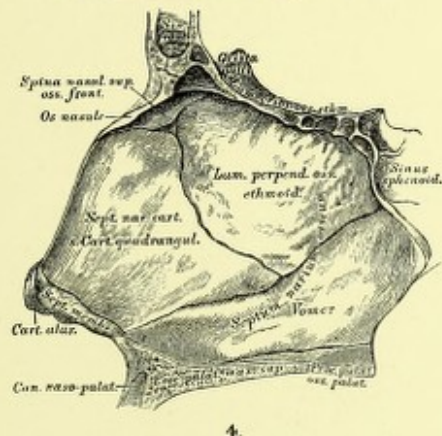


8.

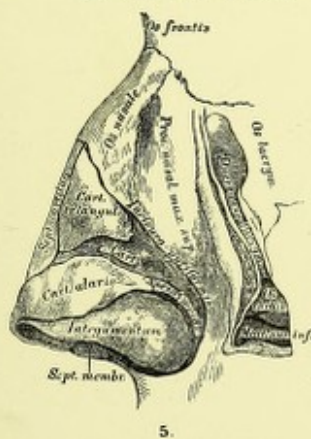
ANTERO-POSTERIOR VERTICAL SECTION OF FOOT through
2nd Metatarsal Bone.



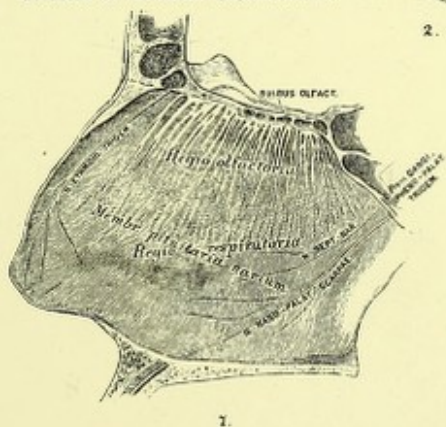
DIVISION OF NOSTRILS. (*Septum Narium.*)



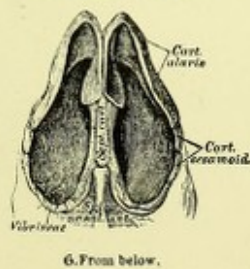
CARTILAGES OF THE NOSE.



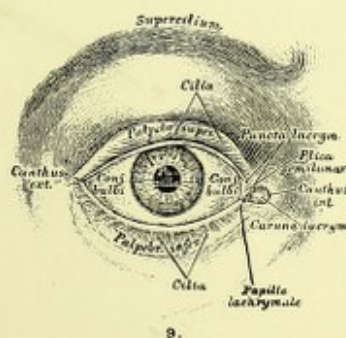
DIVISION OF NOSTRILS. (*Septum Narium.*



CARTILAGES OF THE NOSE.

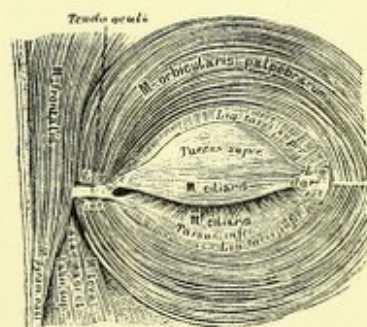


6. From below,

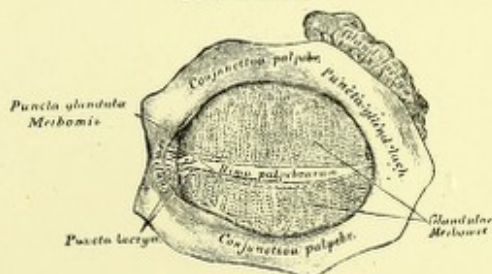


2.

THE EYE.

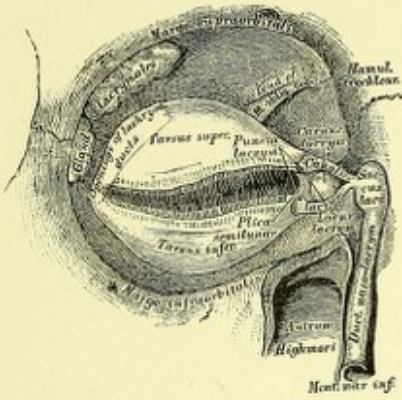


8. External Muscles.



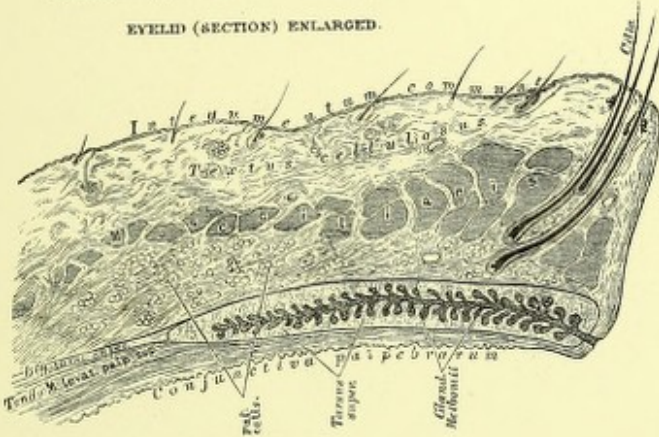
10. Meibomian Glands, &c., from inner side of Eyelids.

THE EYE.



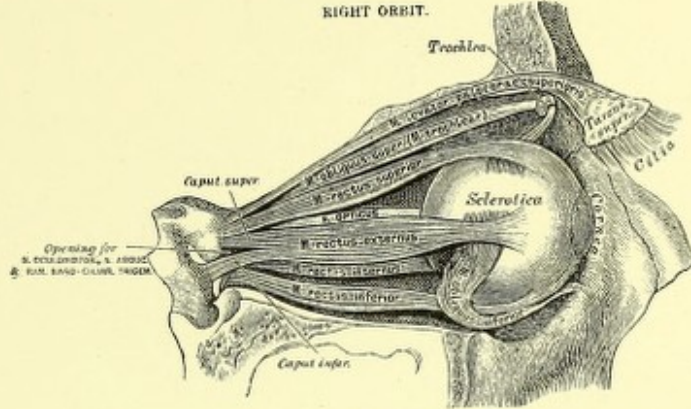
1. Lachrymal Apparatus from inner side of Eyelids.

EYELID (SECTION) ENLARGED.



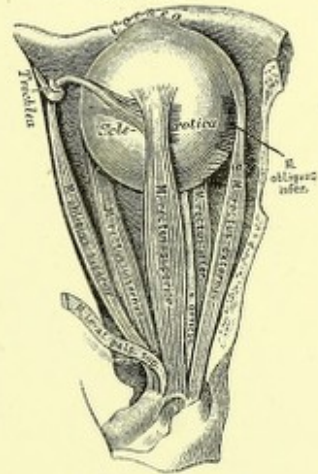
3.

RIGHT ORBIT.



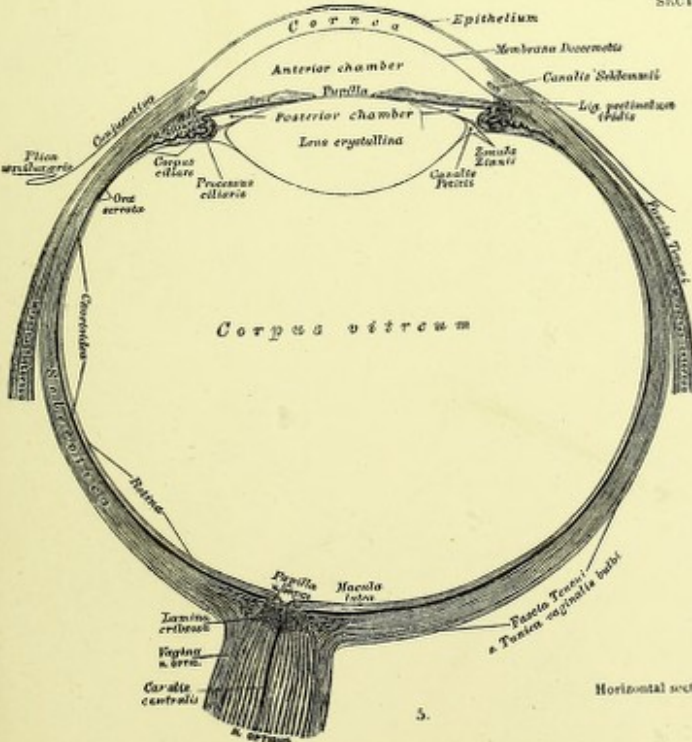
2. Muscles from outer side.

RIGHT ORBIT.



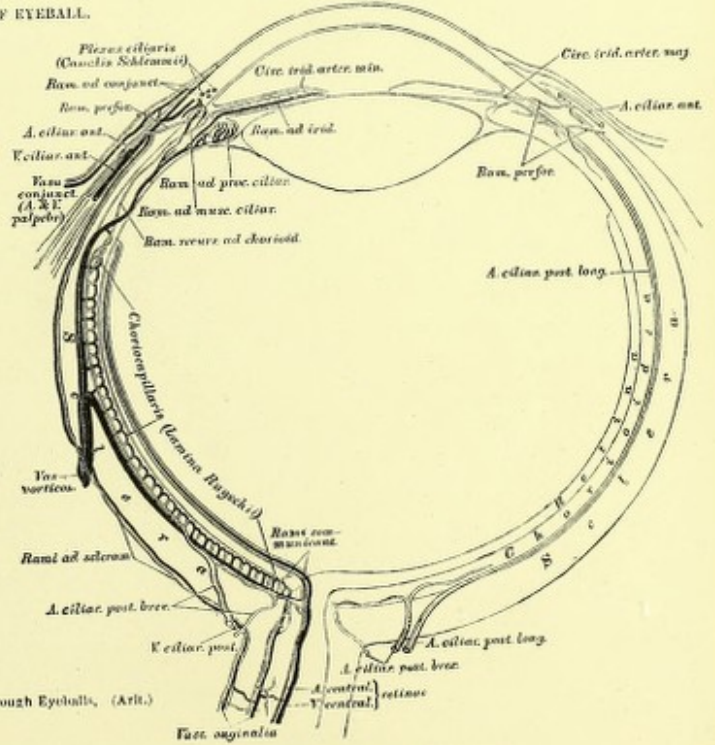
4. Muscles from above.

SECTION OF EYEBALL.



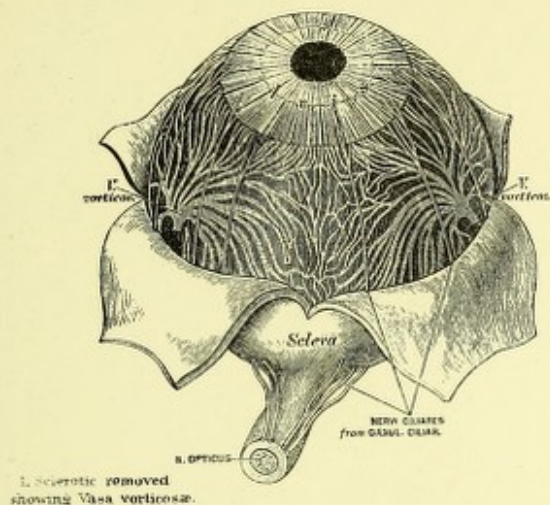
5.

Horizontal section through Eyeball, (Art.)

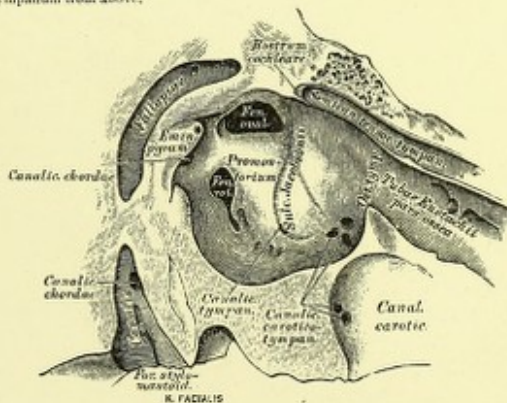
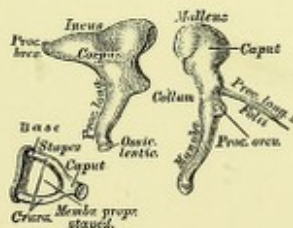
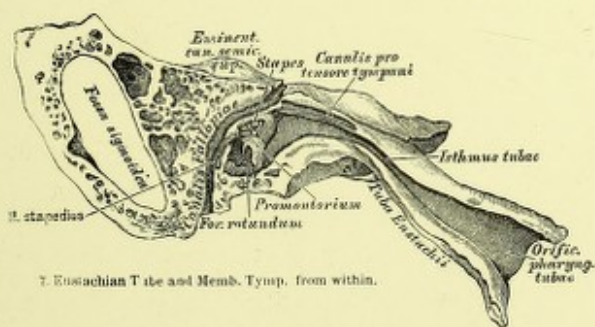
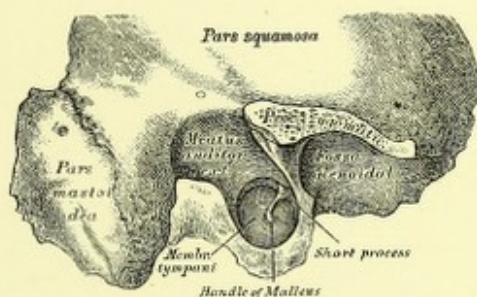
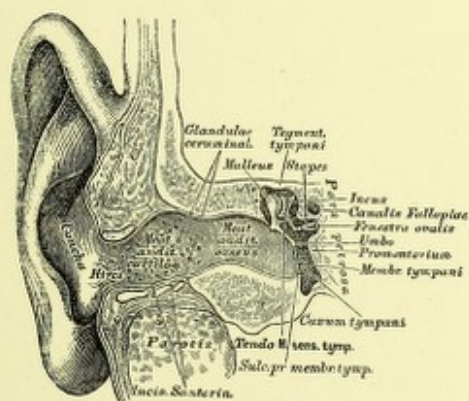
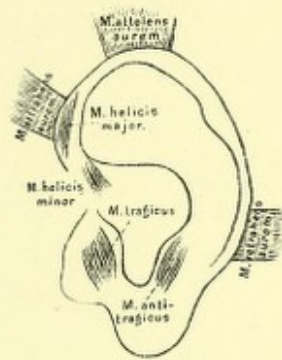
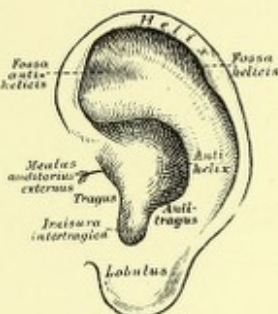


6. Blood supply to Eyeball. (Schematic.)

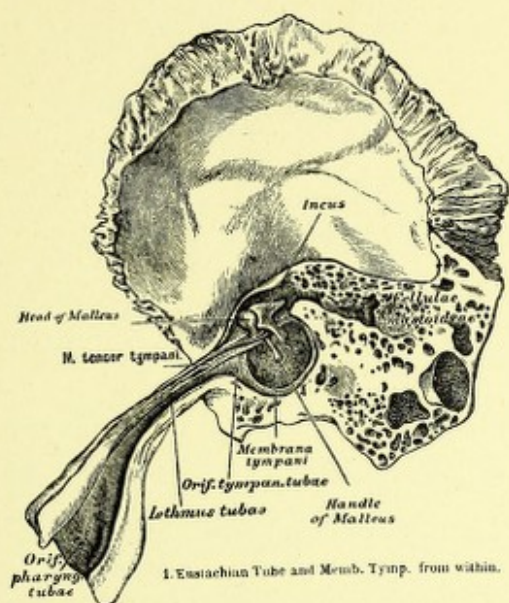
THE EYE.



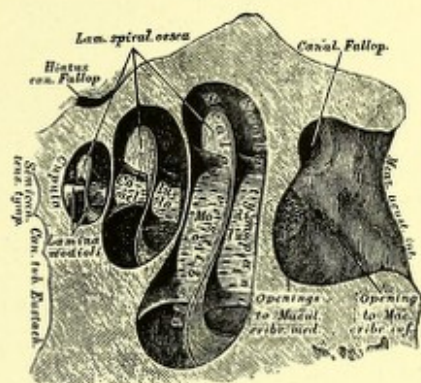
THE EAR.



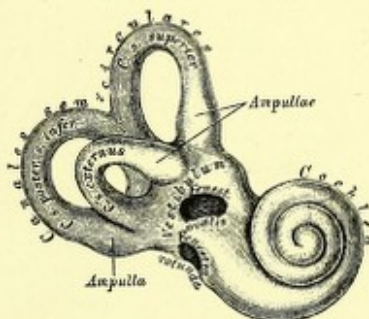
THE EAR.



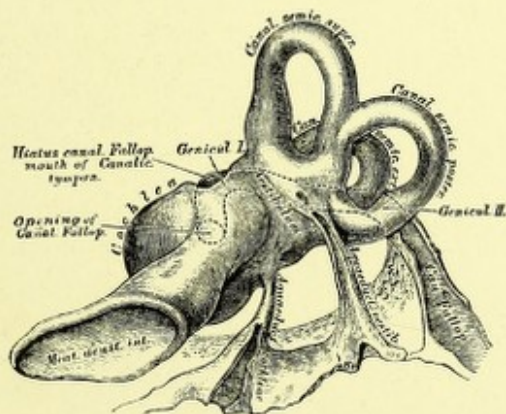
1. Eustachian Tube and Memb. Tymp. from within.



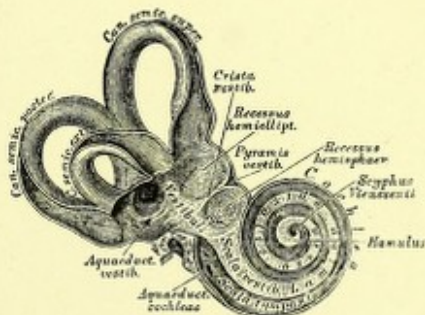
2. Section of Cochlea.



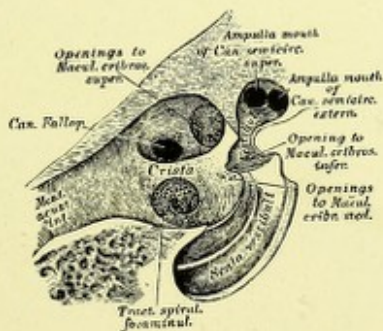
4. The bony Labyrinth.



3.



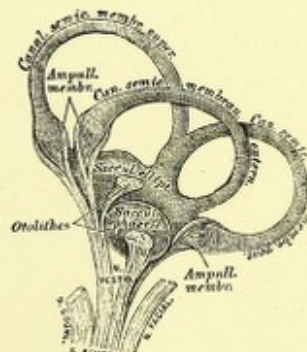
5. The bony Labyrinth.



6.

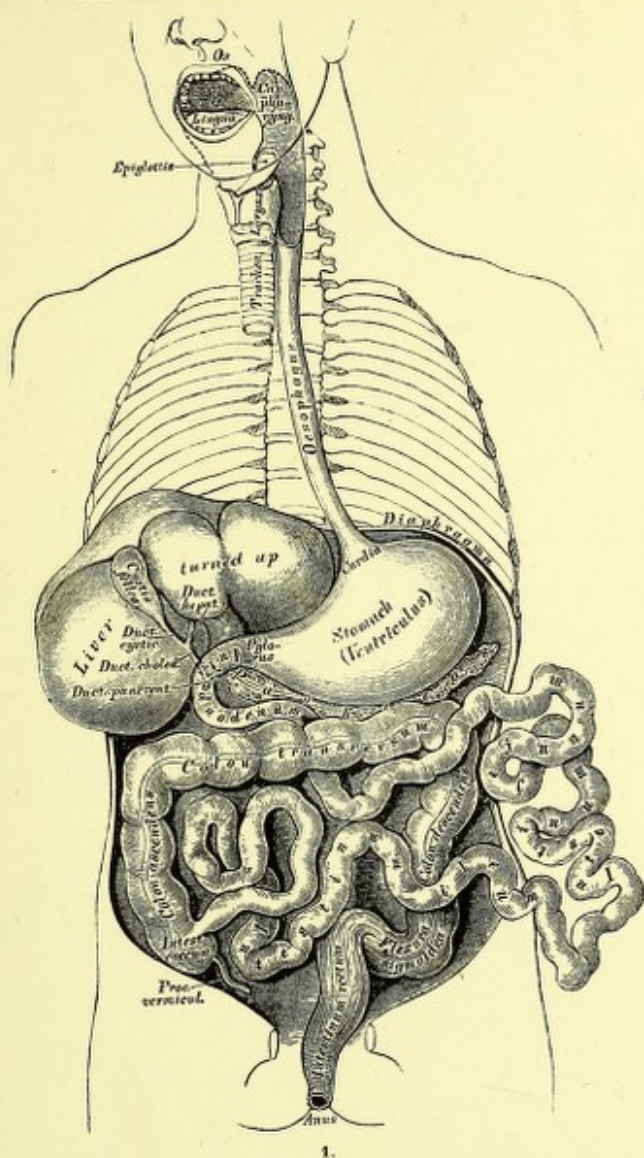


7. Section of Spiral Canal. (Schematic.)

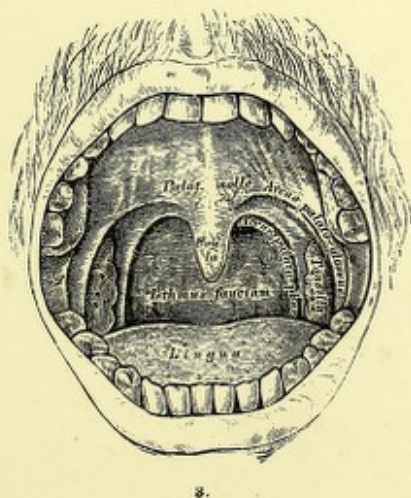


8. The Membranous Labyrinth.

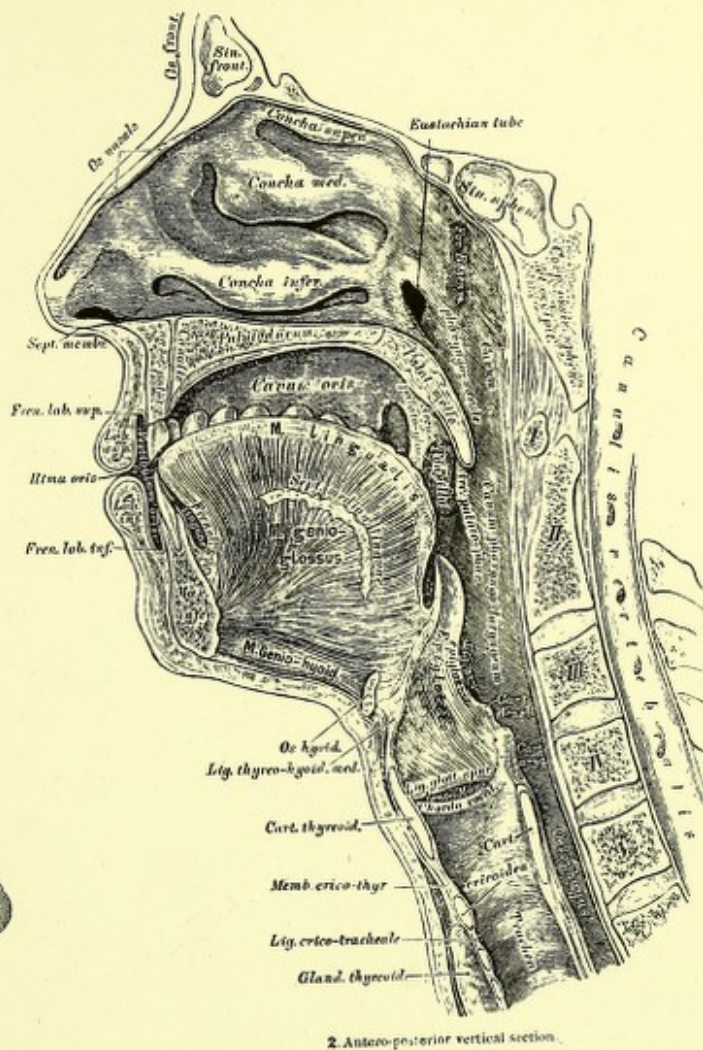
SCHEMATIC VIEW OF THE ALIMENTARY CANAL.



CAVITY OF MOUTH.

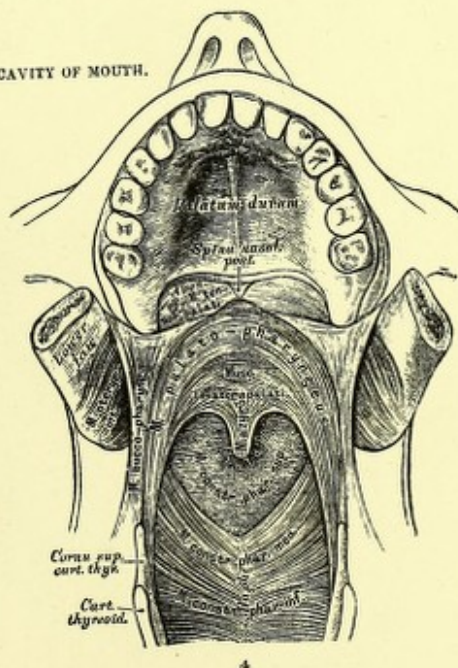


CAVITIES OF NOSE, MOUTH, PHARYNX, LARYNX, &c.



2. Antero-posterior vertical section.

CAVITY OF MOUTH.



THE CONSTRUCTOR MUSCLES OF THE PHARYNX, &c

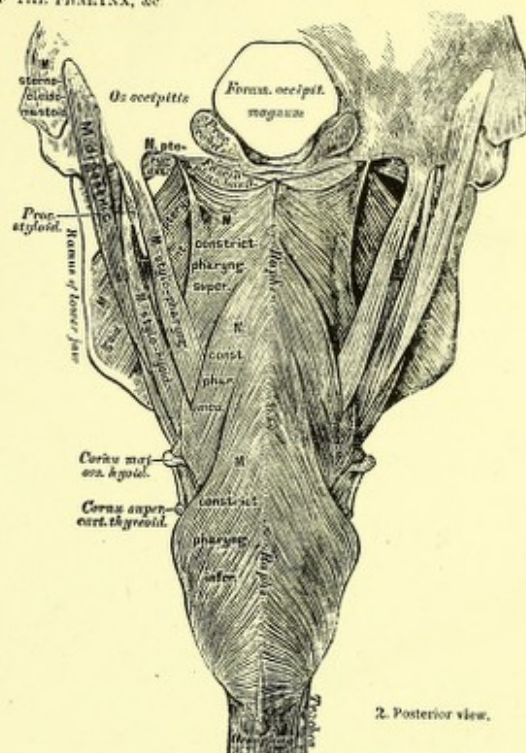
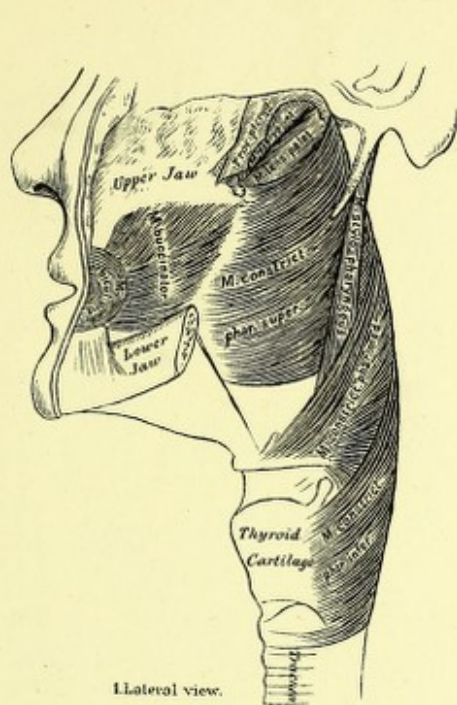
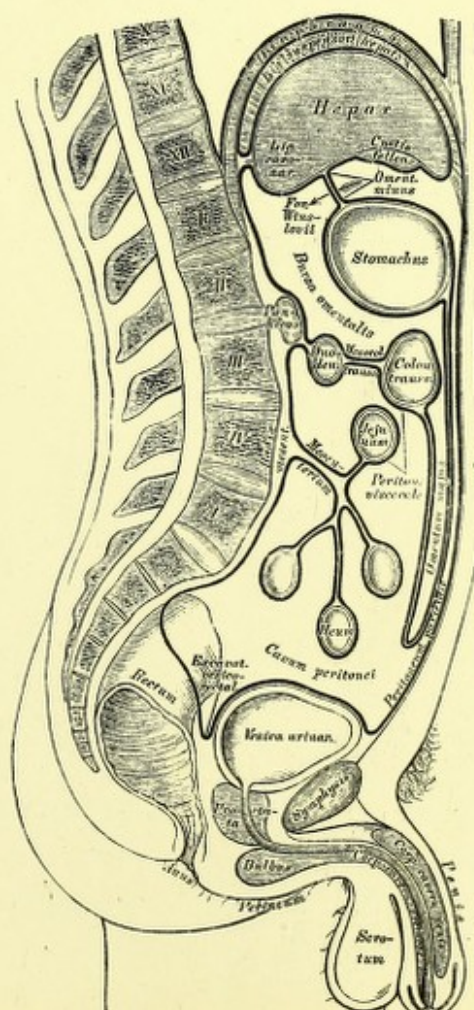
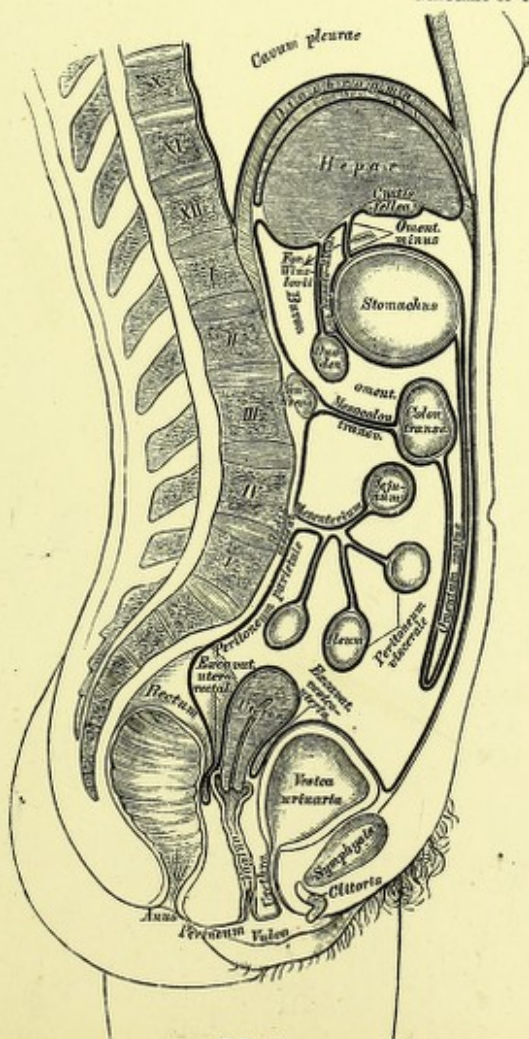
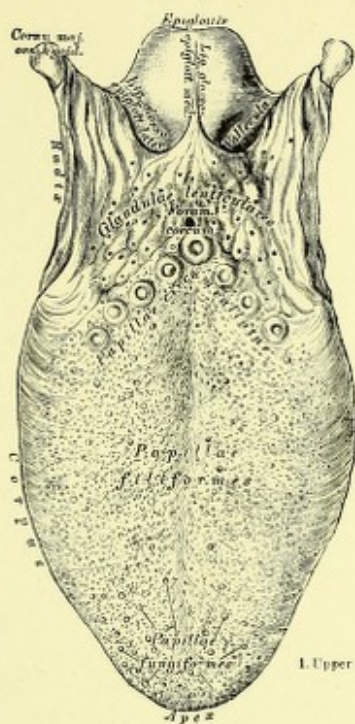


DIAGRAM OF THE FOLDS OF THE PERITONEUM.

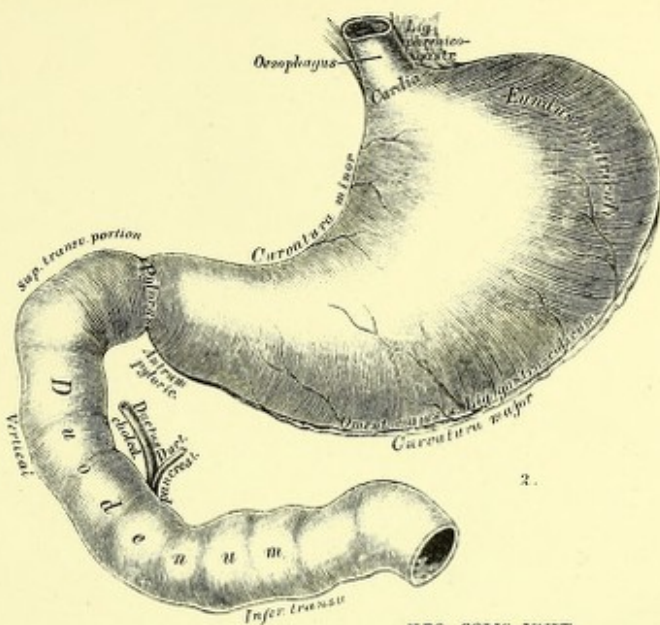


THE TONGUE



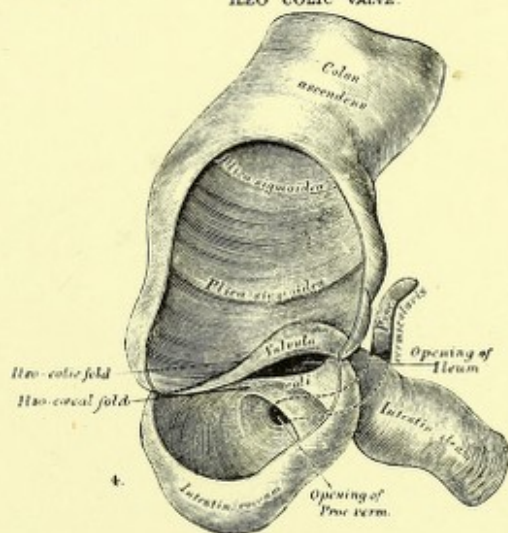
1. Upper surface

STOMACH AND DUODENUM.

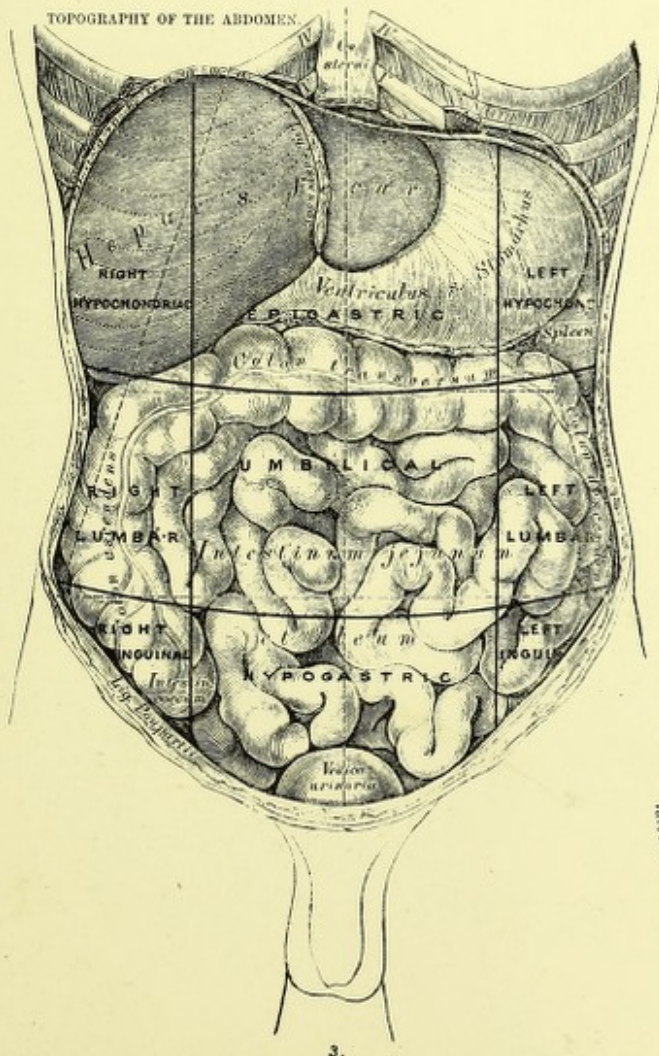


2

ILEO COLIC VALVE.

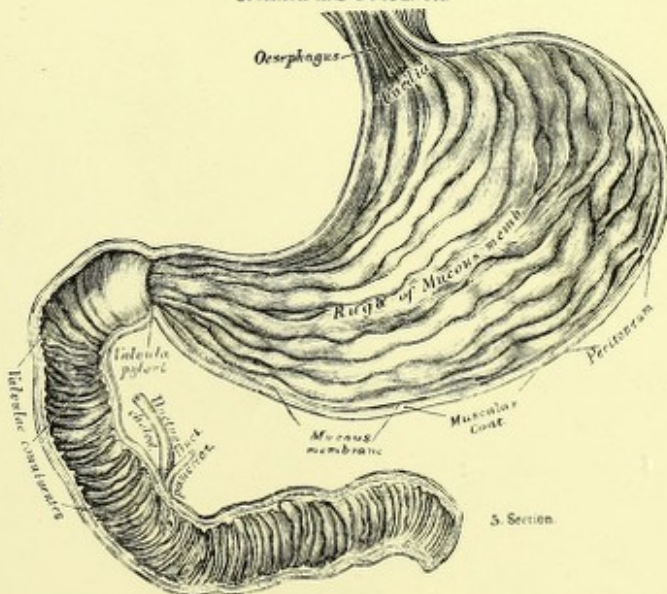


TOPOGRAPHY OF THE ABDOMEN



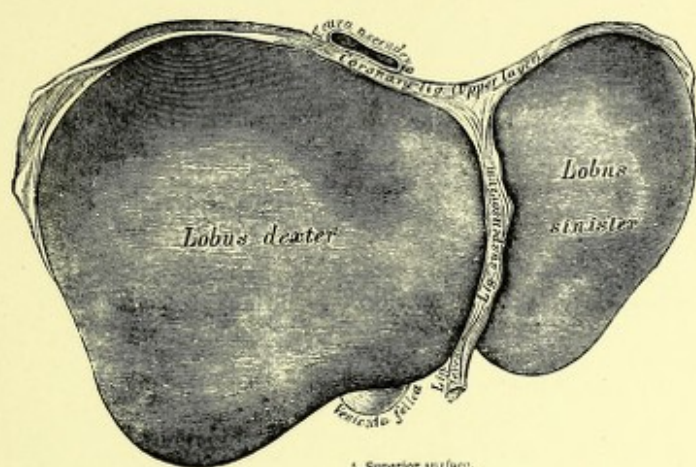
3.

STOMACH AND DUODENUM



3. Section

THE LIVER



1. Superior surface.

BILIARY DUCTS.

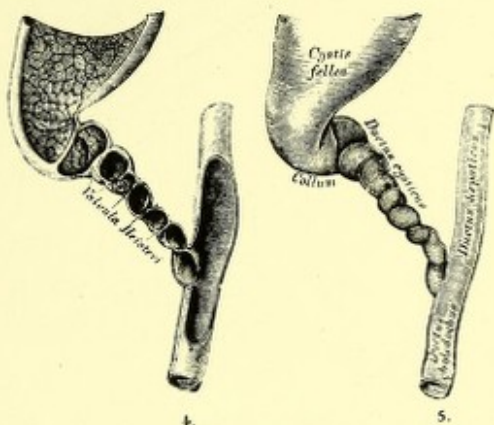
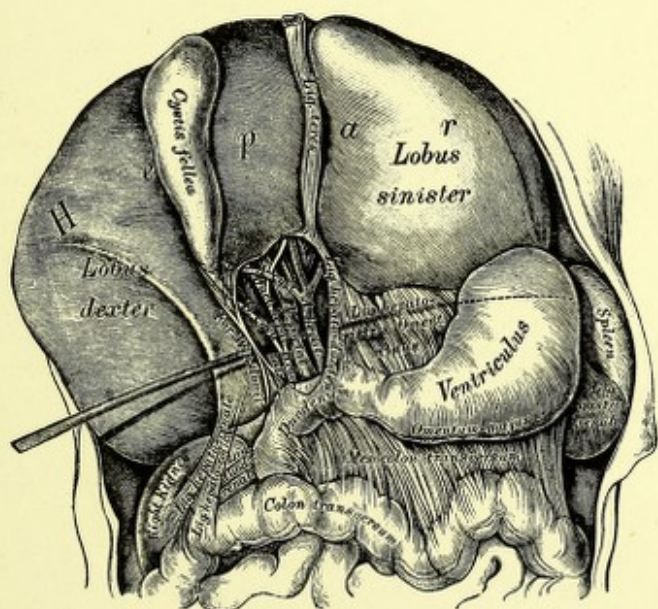
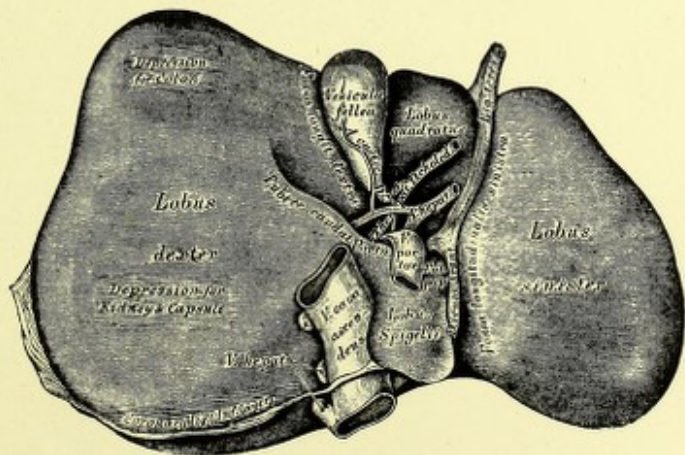


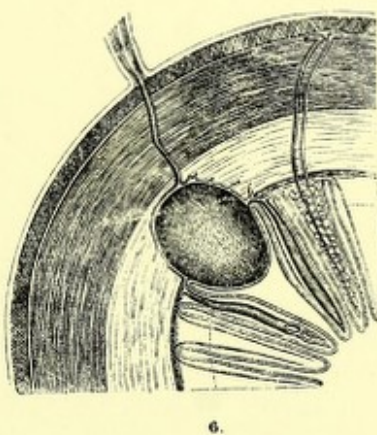
DIAGRAM OF WALLS OF SMALL INTESTINE



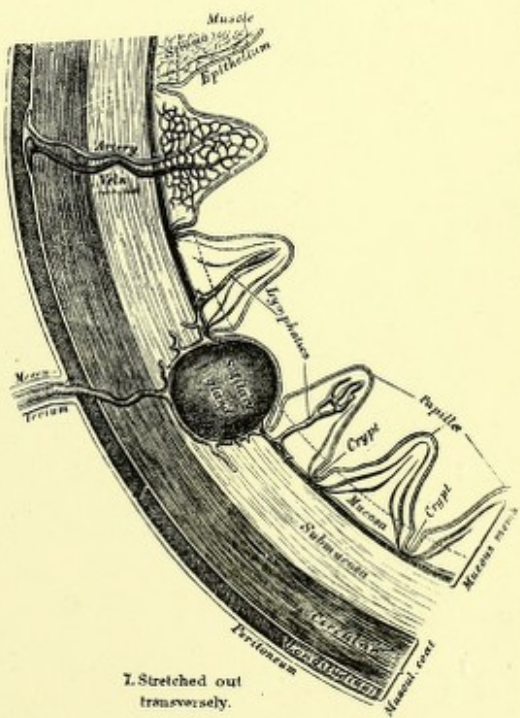
2. Lifted up from the Stomach and Intestines.
A probe is passed into the Foramen of Winslow.



3 Inferior surface

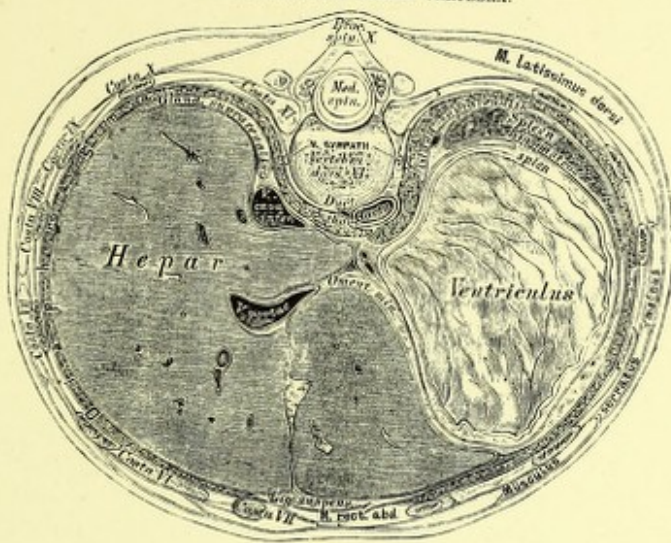


6



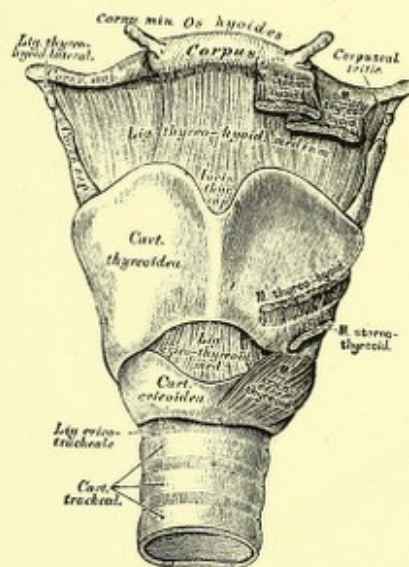
7. Stretched out
transversely.

TRANSVERSE SECTION OF BODY AT LEVEL OF XYPHOID
CARTILAGE AND 11th DORSAL VERTEBRA.



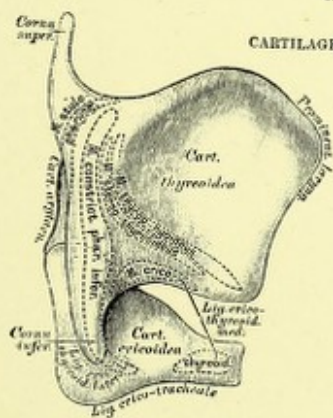
1

MUSCLES OF THE LARYNX.

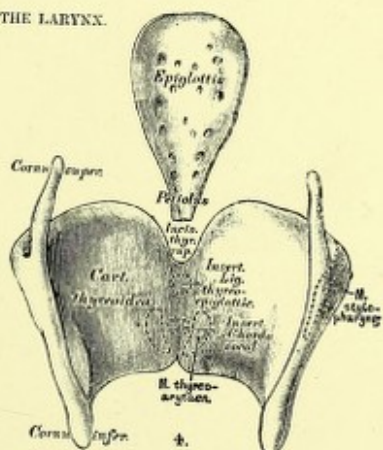


29

CARTILAGES OF THE LARYNX.

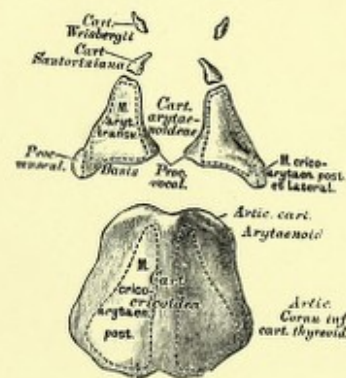


3.



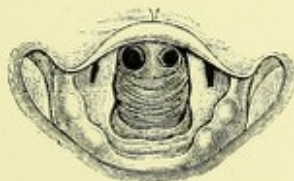
4

CARTILAGES OF THE LARYNX.

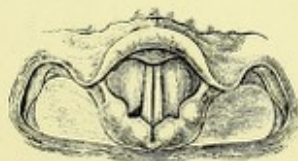


3.

GLOTTIS.

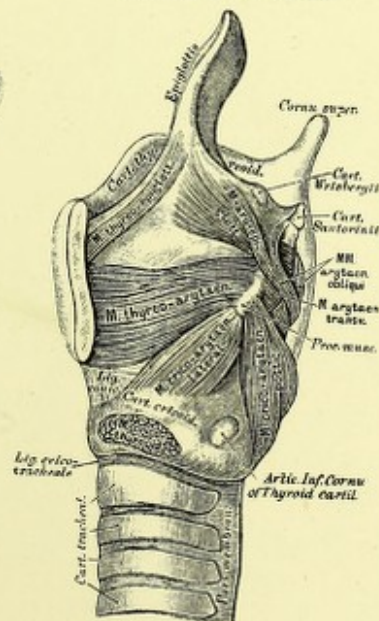


6. Seen from above.
Vocal cords open.



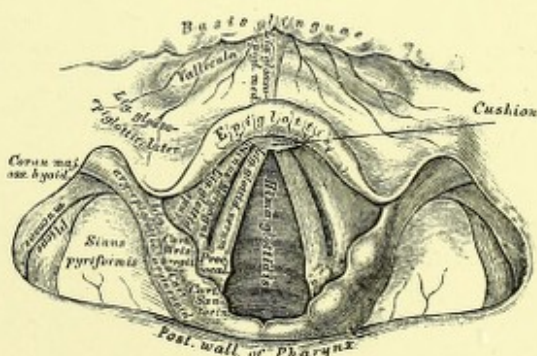
7. Vocal cords closed.

MUSCLES OF THE LARYNX.



8. Antero-posterior vertical section.

GLOTTIS, EPIGLOTTIS, &c.

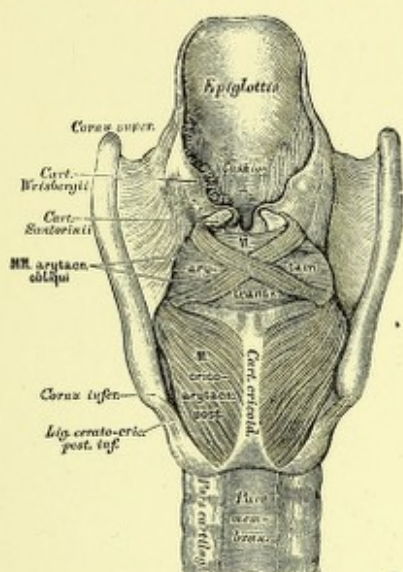


9. Seen from above

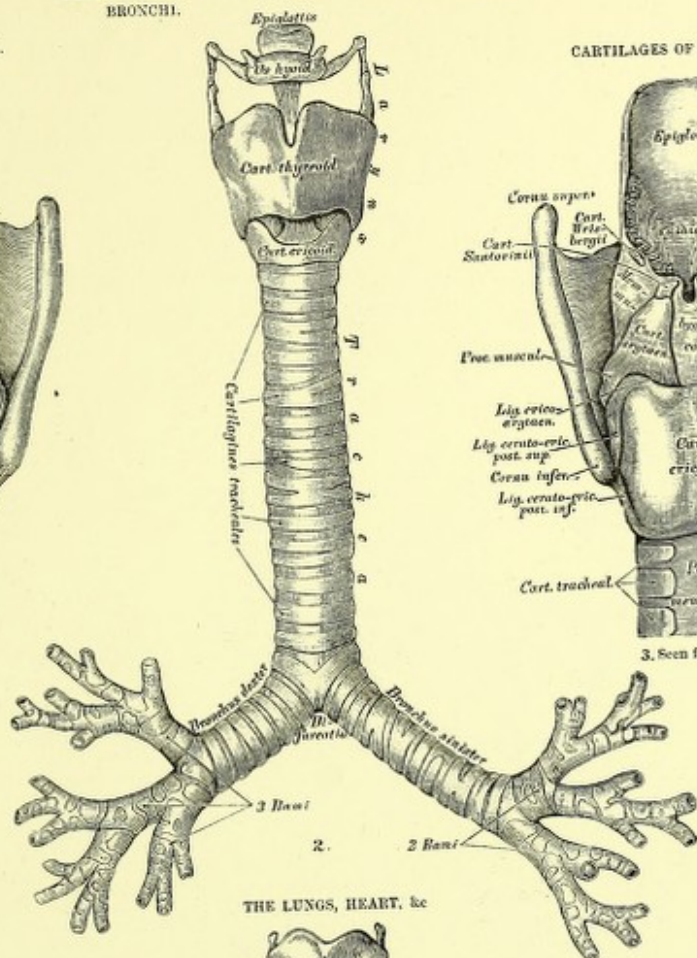
FRONT VIEW OF CARTILAGES OF LARYNX, TRACHEA, AND BRONCHI.

MUSCLES OF THE LARYNX.

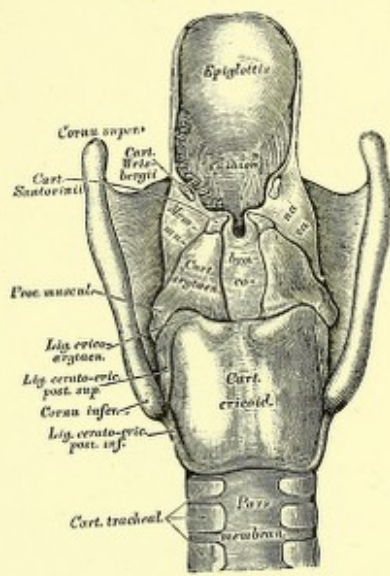
CARTILAGES OF THE LARYNX.



1.



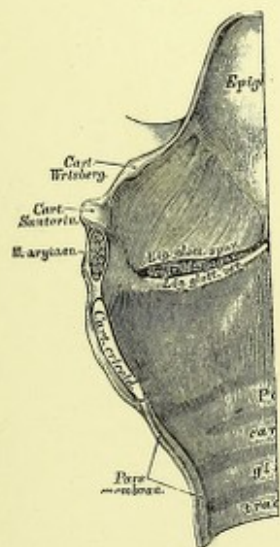
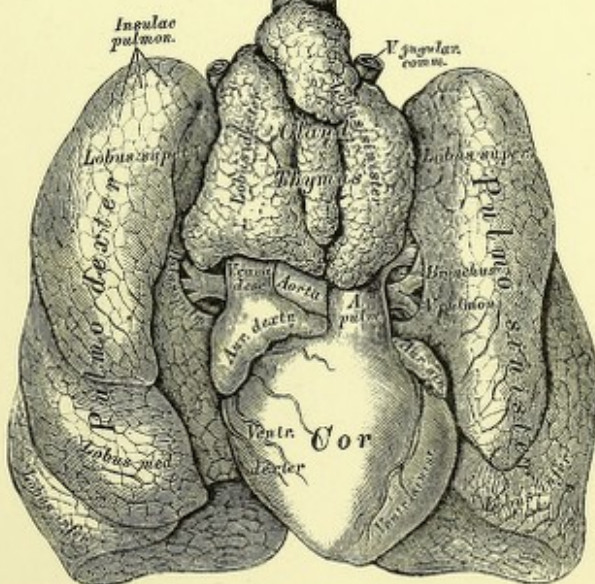
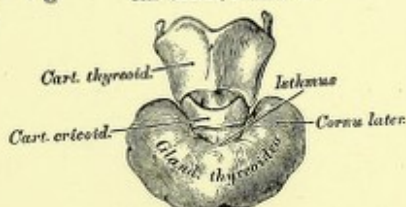
2.



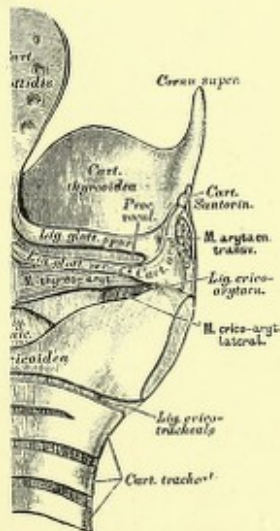
3. Seen from behind.

THE LARYNX.

THE LARYNX.

4. Vocal cords
Seen from behind.

5. Of a child, one year old.



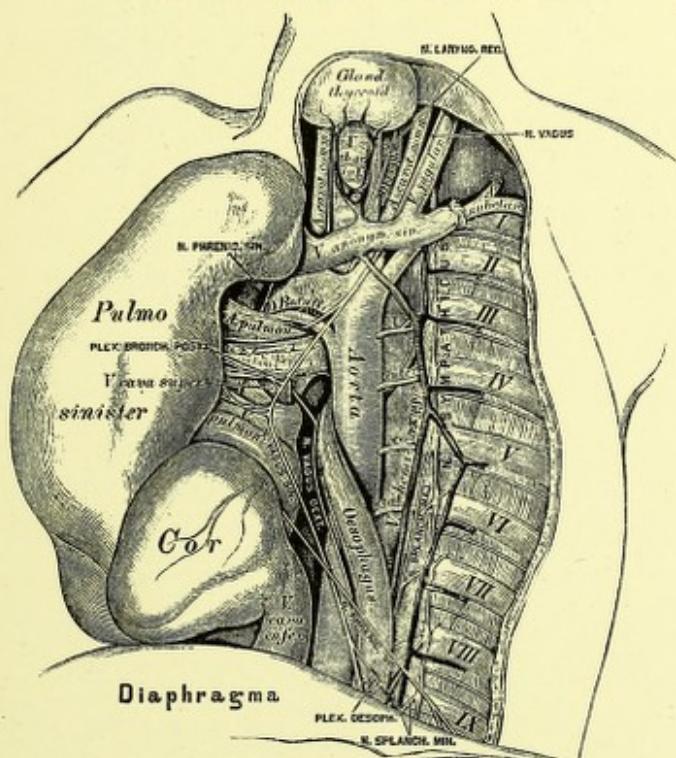
6. Vocal cords dissected.

GLOTTIS,



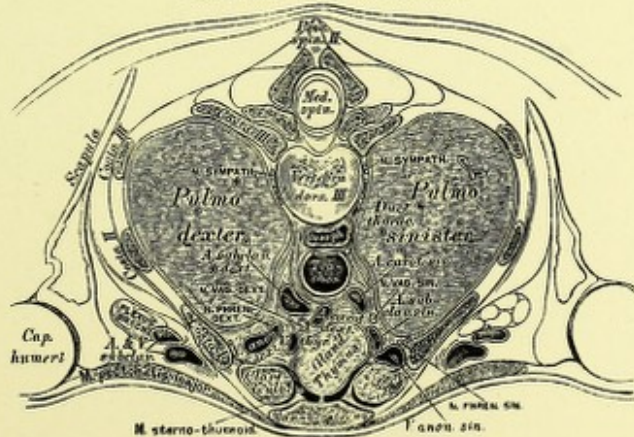
1. Transverse section of Neck through 4th Cervical Vertebra.

TOPOGRAPHY OF THE POSTERIOR MEDIASTINUM, &c.



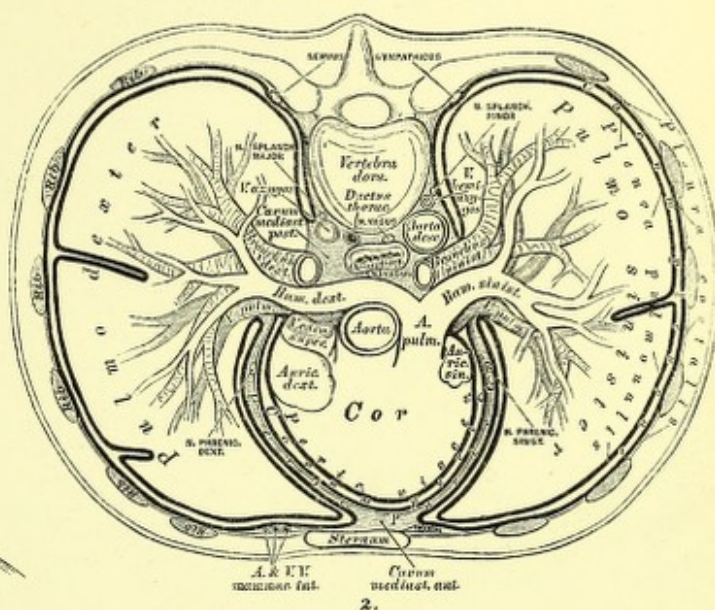
3. Heart and left Lung pushed over to right side

TRANSVERSE SECTION OF THORAX.



4. At the Sterno-Clavicular Articulation.

TRANSVERSE SECTION OF THORAX. (Schematic.)



TOPOGRAPHY OF THORAX

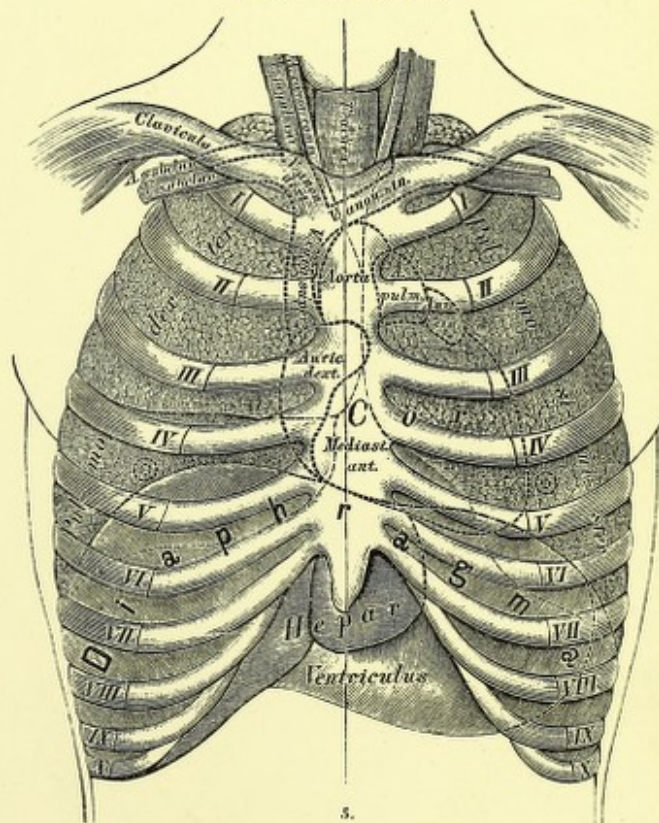
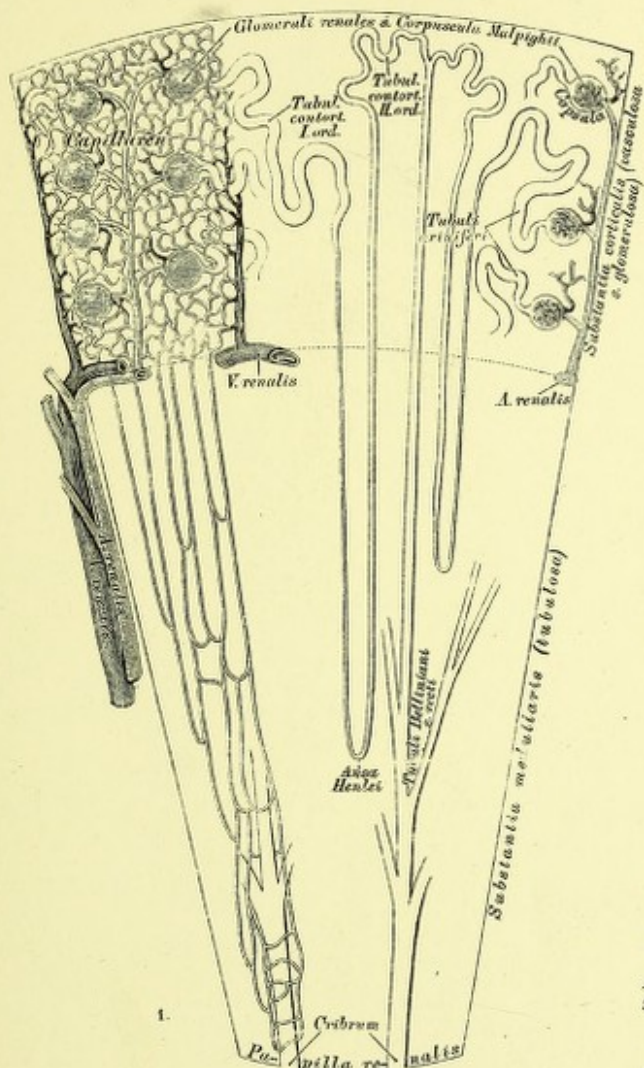
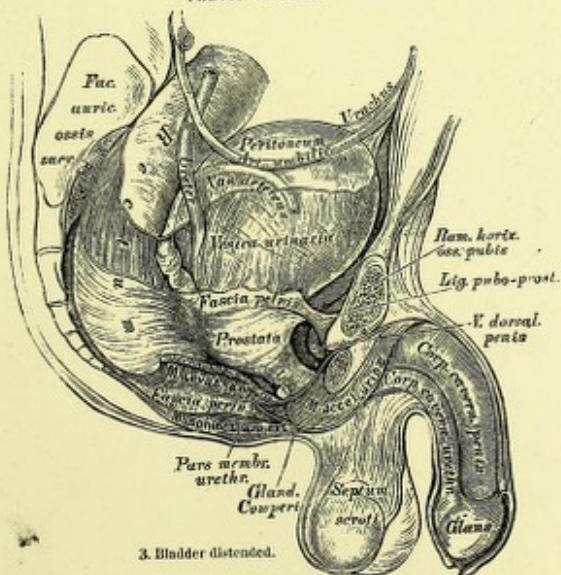




DIAGRAM OF URINE TUBES, &c.

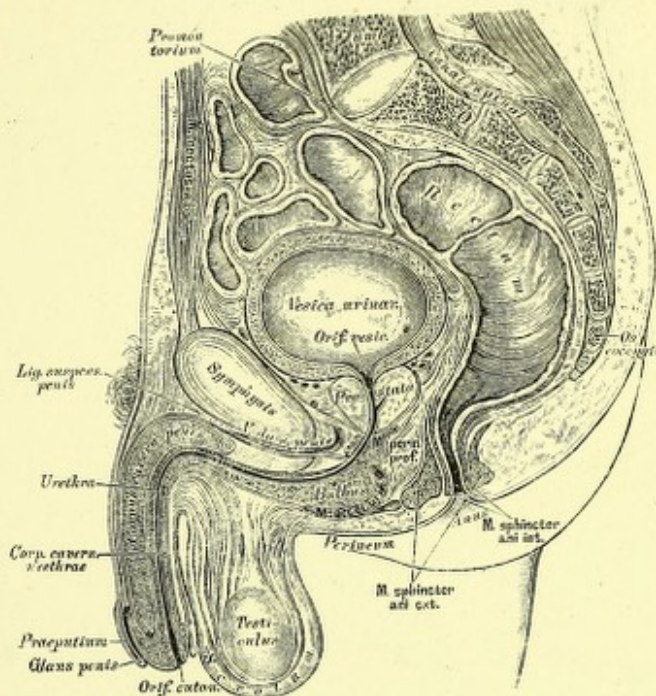


PELVIC VISCERA.



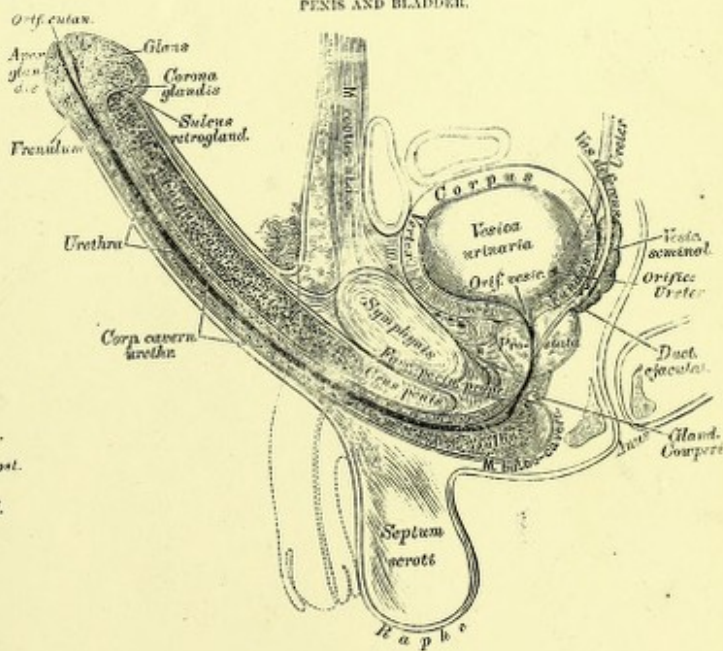
3. Bladder distended.

PELVIC VISCERA.



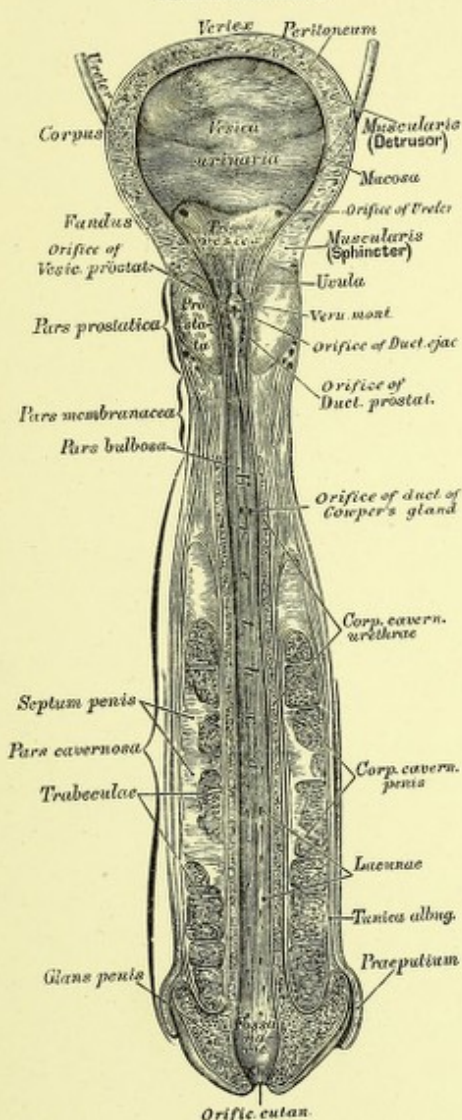
2. Antero-posterior vertical section of a frozen body, male, aged 20 years.

PENIS AND BLADDER.



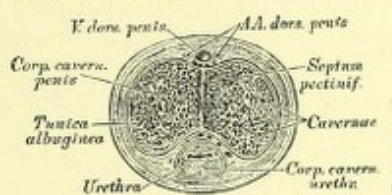
4. Antero-posterior vertical section.

PENIS AND BLADDER.



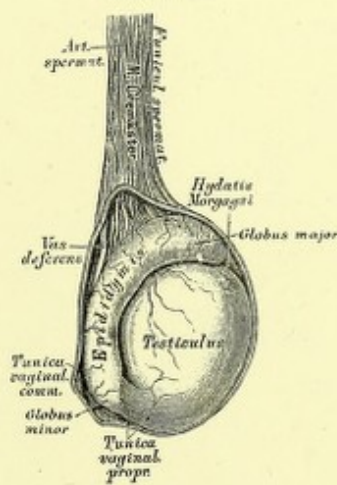
1. Bladder contracted.

TRANSVERSE SECTION OF MIDDLE OF PENIS.



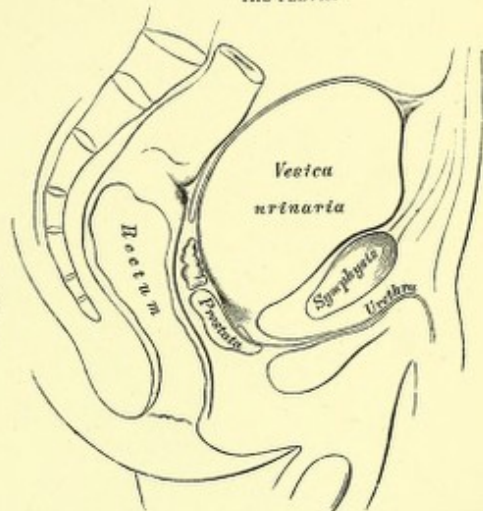
2.

TESTICLE

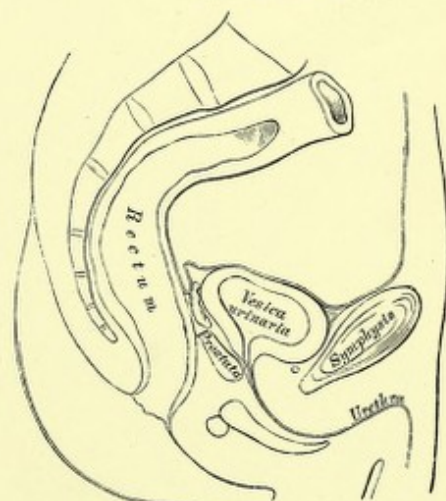


5.

THE PELVIS.

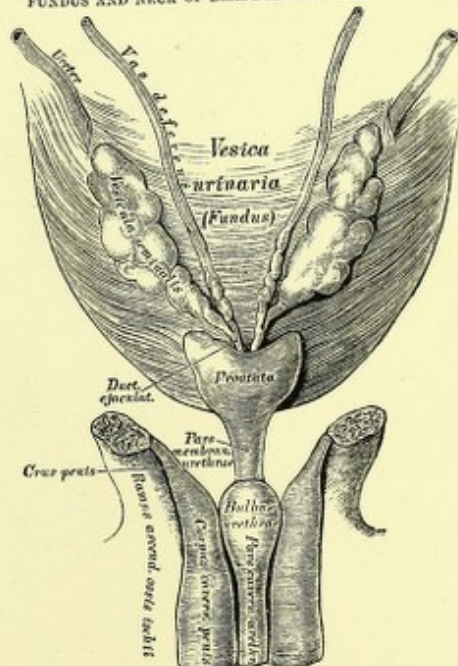


3. Bladder distended.



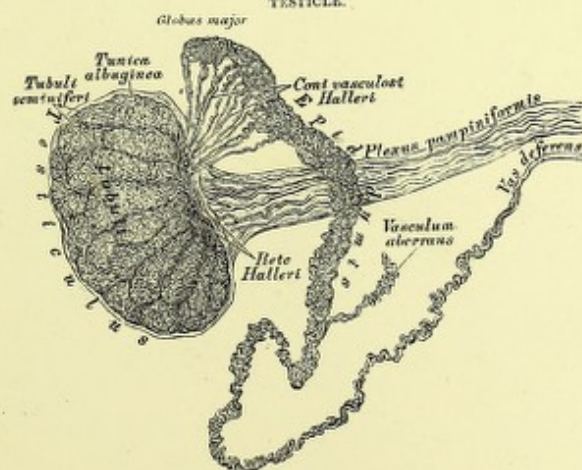
4. Bladder contracted.

FUNDUS AND NECK OF BLADDER AND BASE OF PENIS.



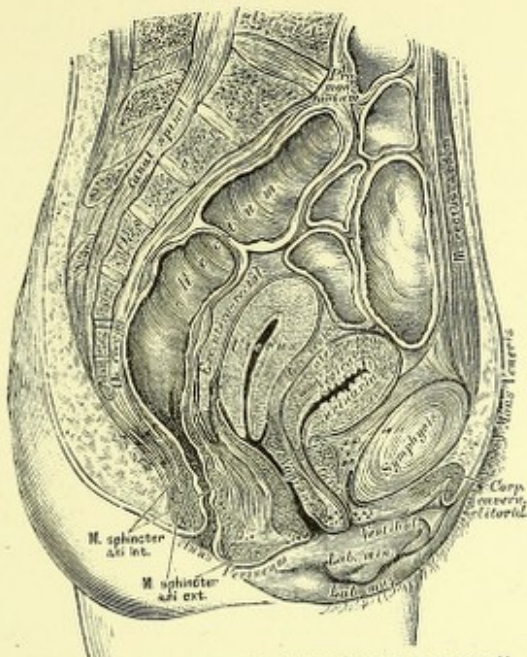
7. Seen from behind.

TESTICLE.



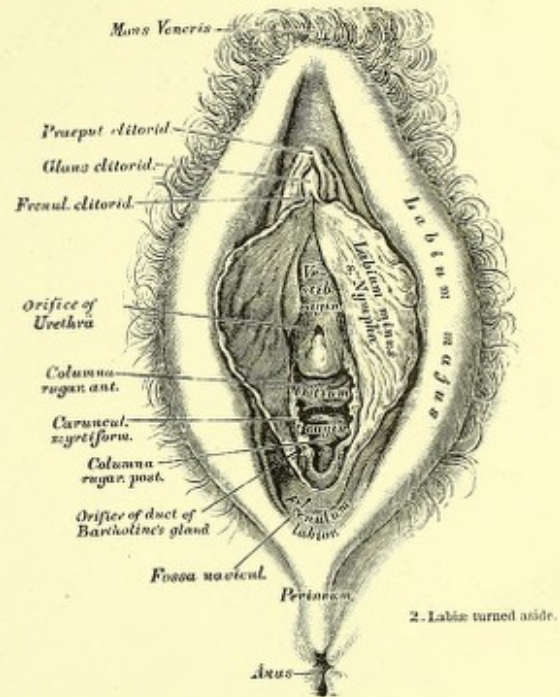
6. Spermatic Tubes injected with quicksilver.

PELVIC VISCERA



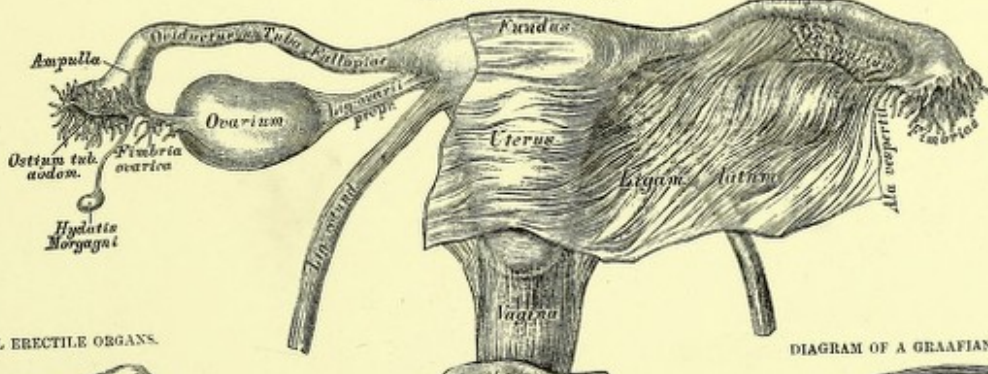
1. Antero-posterior vertical section of a frozen female body 25 years old.

THE VULVA

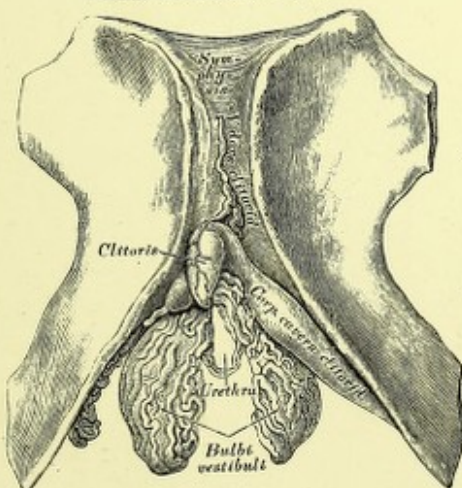


2. Labia turned aside.

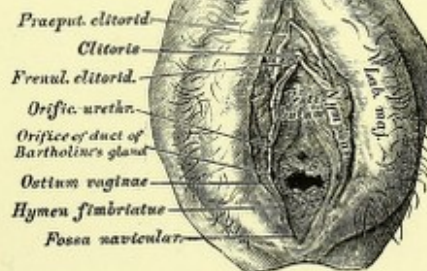
FEMALE GENITAL ORGANS.



FEMALE GENITAL ERECTILE ORGANS.



3.

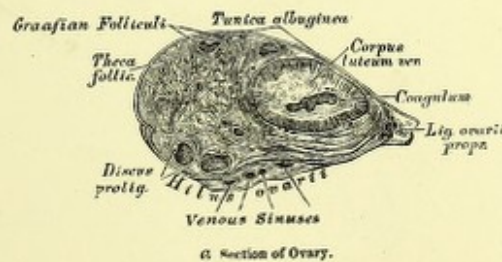


4. Natural size. 14 years old.

DIAGRAM OF A GRAAFIAN FOLLICLE.

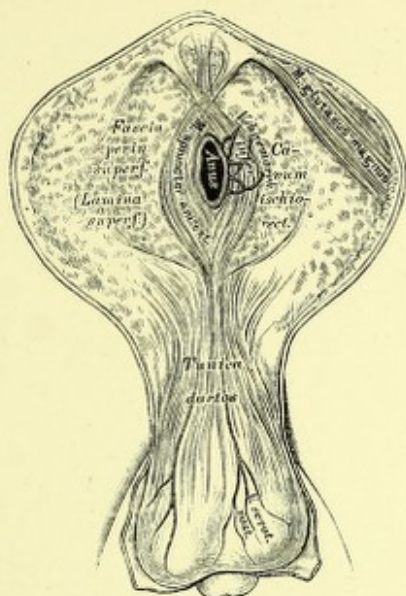


5.

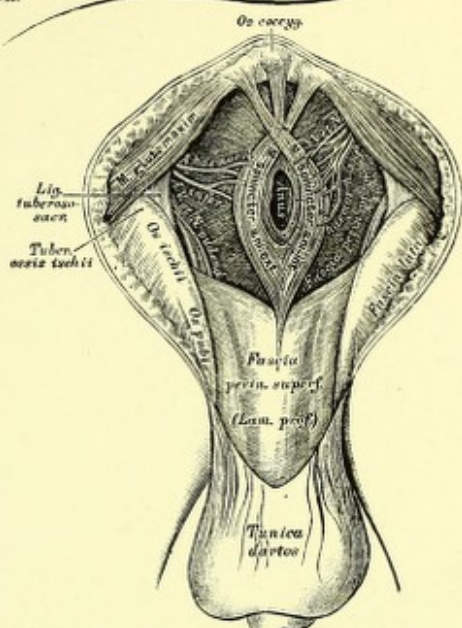


6. Section of Ovary.

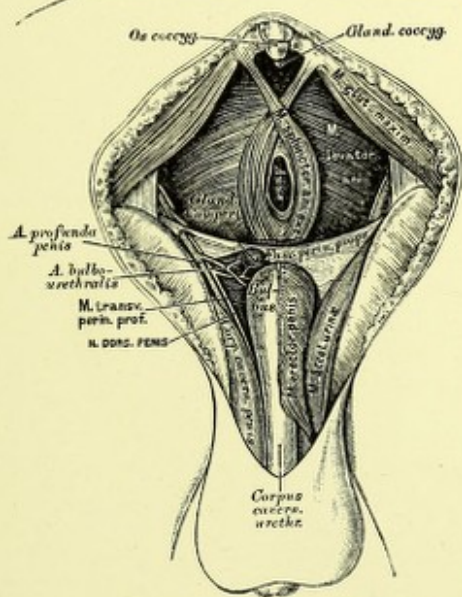
MALE PERINEUM.



1. After removal of the Skin.

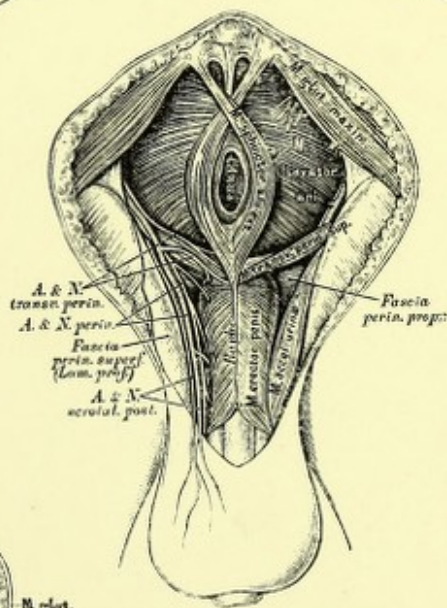


2. After taking away the superficial Fascia.

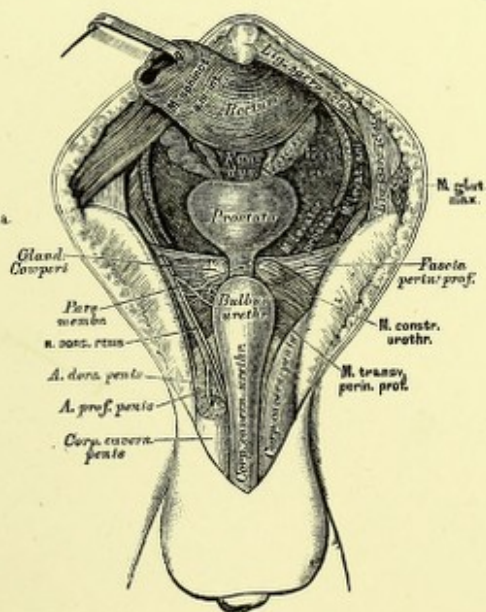


3. After dissecting the Fascia Perinei Propria.

MALE PERINEUM.

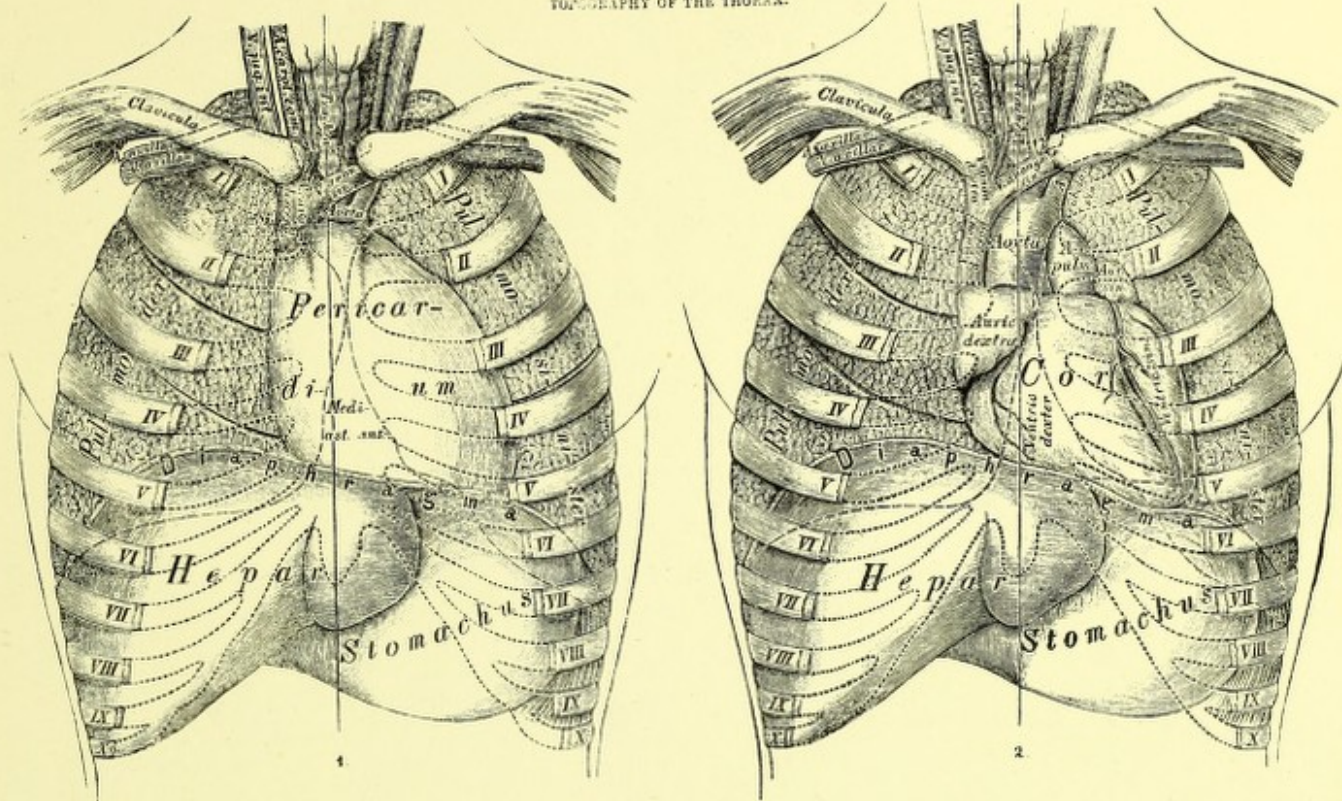


4. After cleansing the ischio-rectal Fossa.

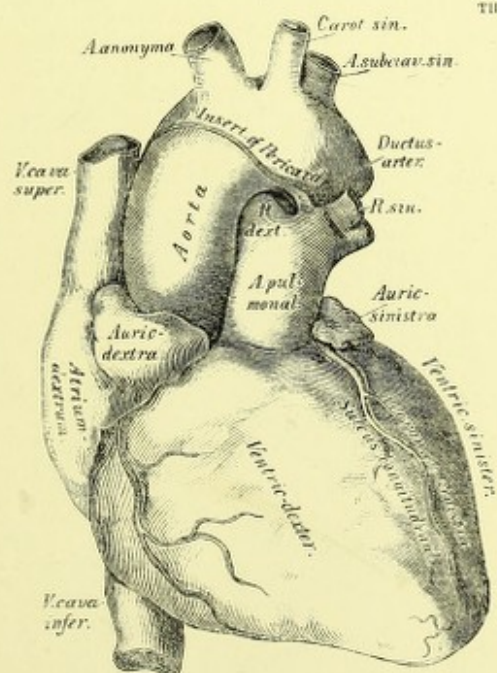


5. After removal of the M. Levator Ani.

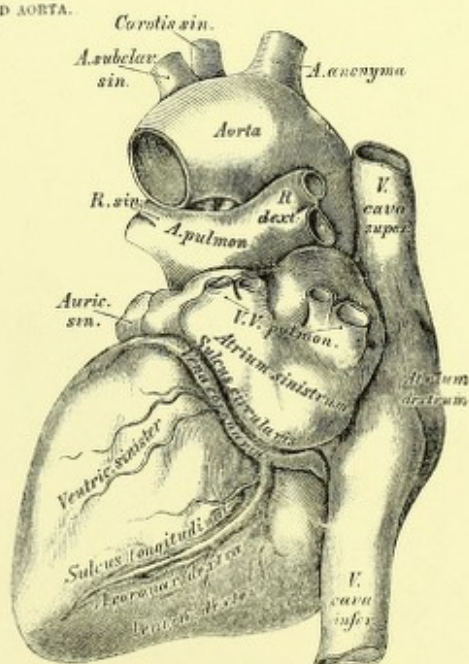
TOPOGRAPHY OF THE THORAX.



THE HEART AND AORTA.



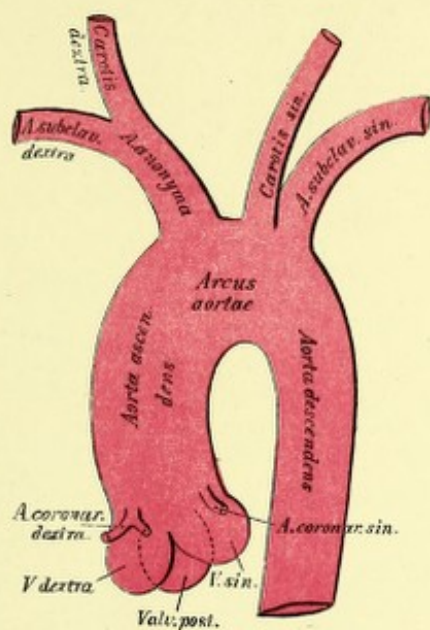
3. Anterior view.



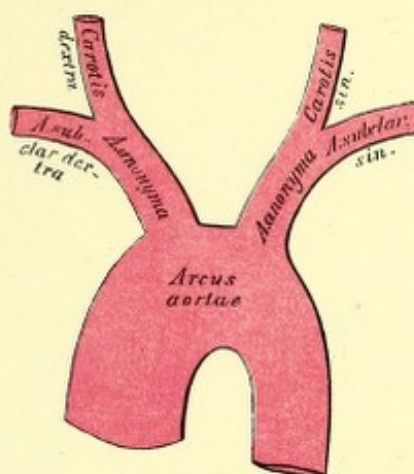
4. Posterior view.

ARTERIES, VEINS AND LYMPHATICS

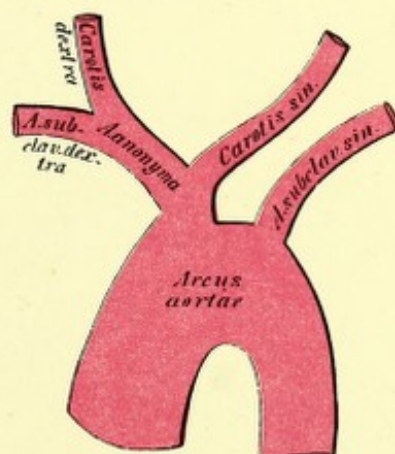
BRANCHES OF THE AORTA.



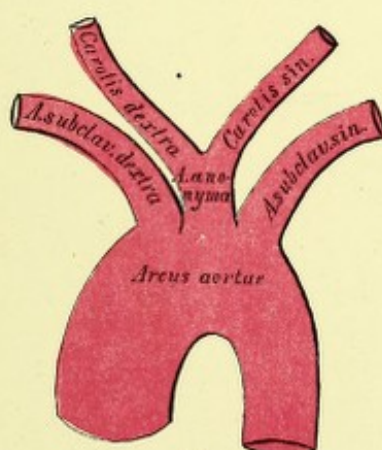
1. Normal arrangement.



2. Abnormal arrangement.

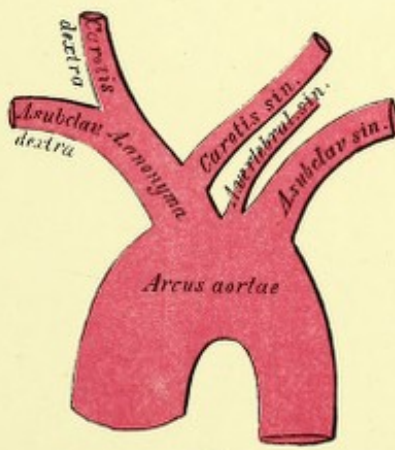


3. Abnormal arrangement.



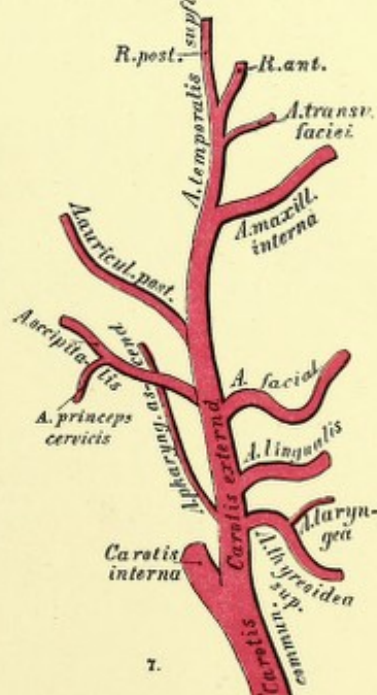
4.

Abnormal arrangement.

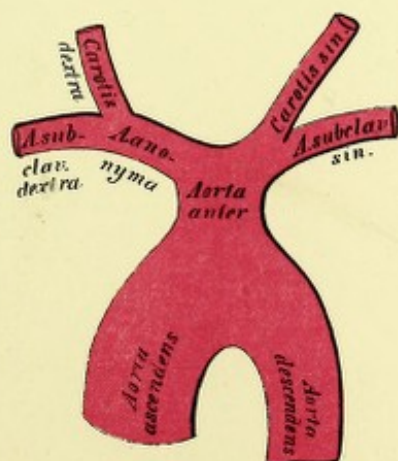


5.

DIAGRAM OF THE BRANCHES OF THE EXTERNAL CAROTID ARTERY.

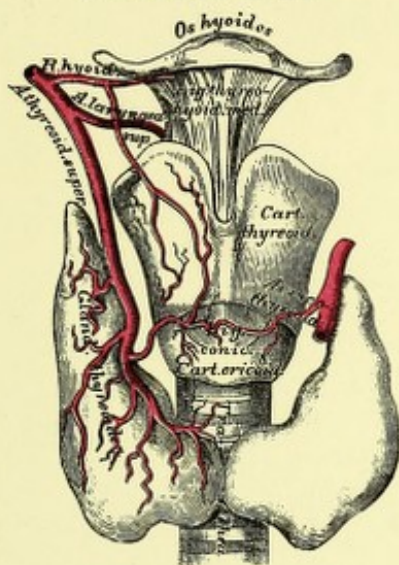


6.

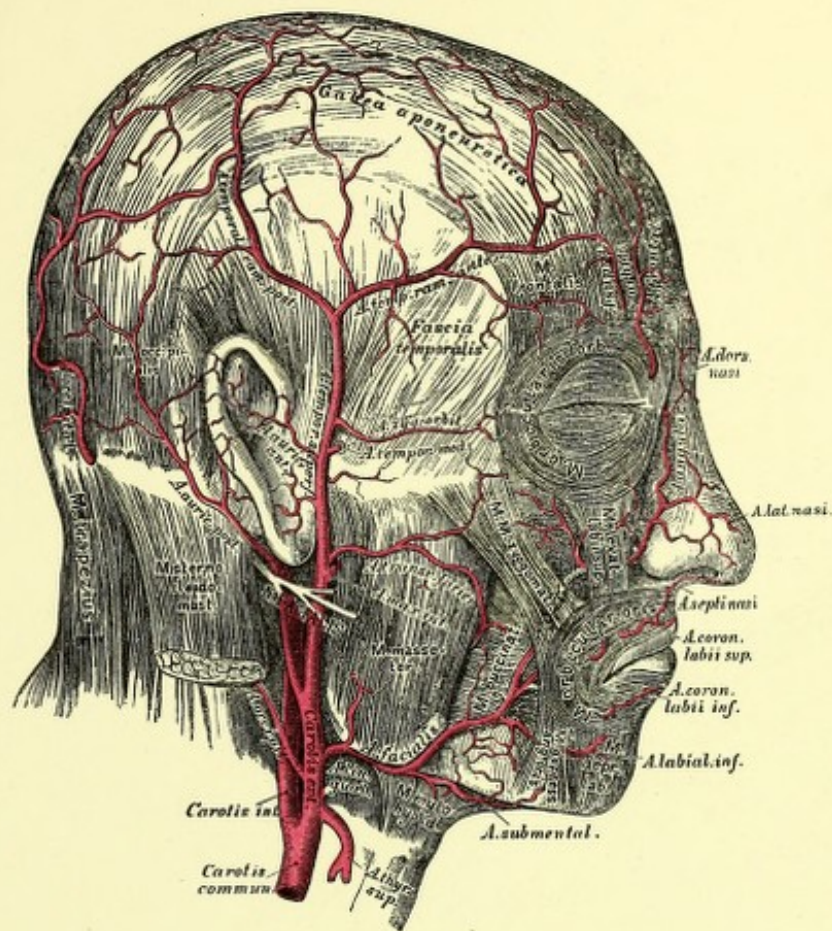


7. Abnormal arrangement.

SUPERIOR THYROID ARTERY.

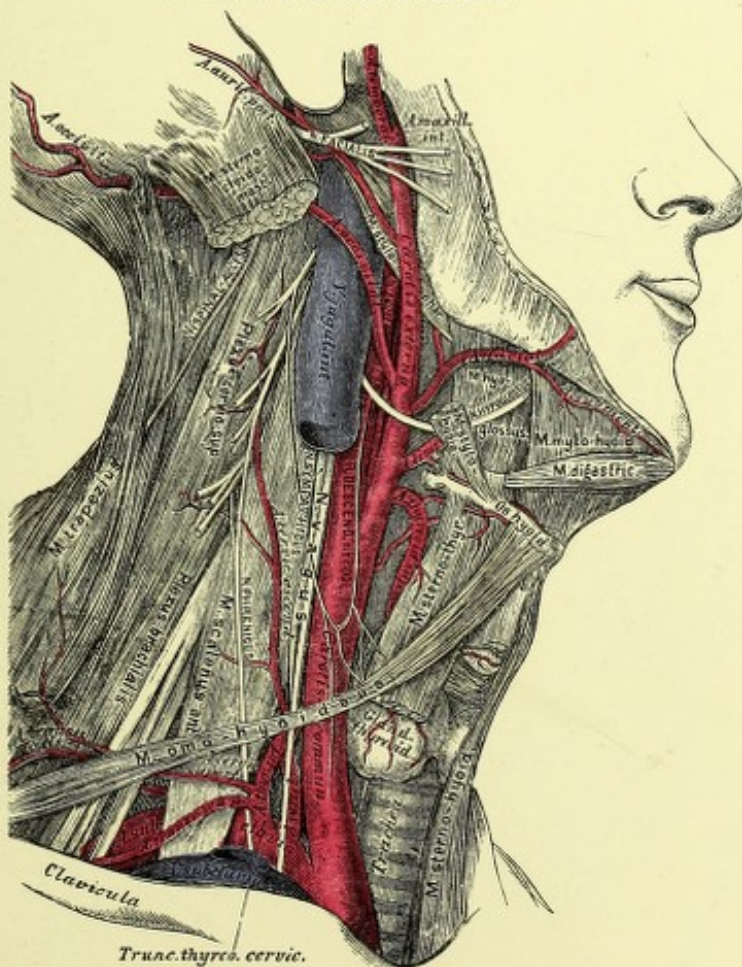


1. Anterior view.



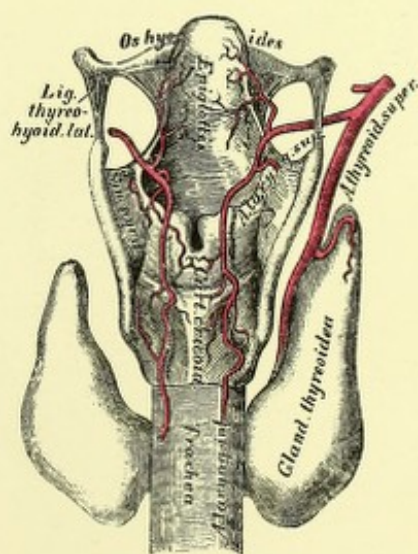
2

TOPOGRAPHICAL ANATOMY OF THE NECK



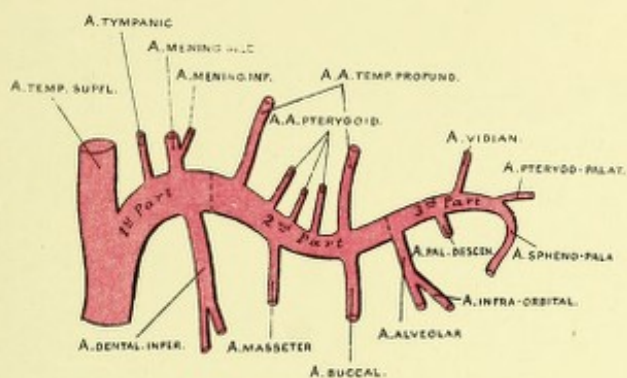
3.

SUPERIOR THYROID ARTERY.



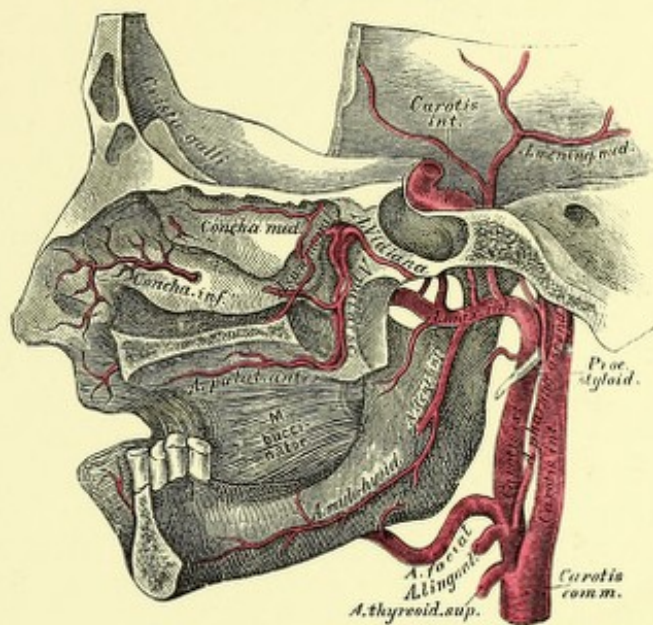
4. Posterior view.

INTERNAL MAXILLARY ARTERY.



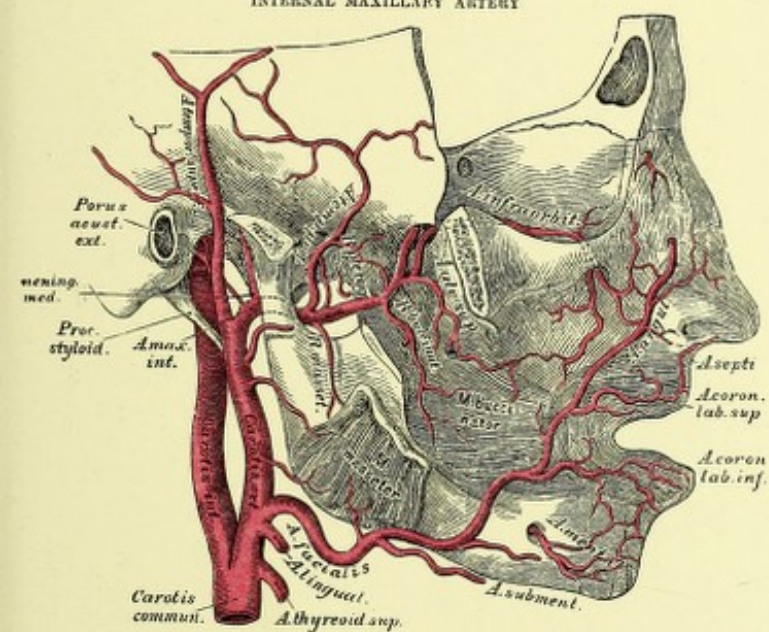
1. Diagram

INTERNAL MAXILLARY ARTERY.



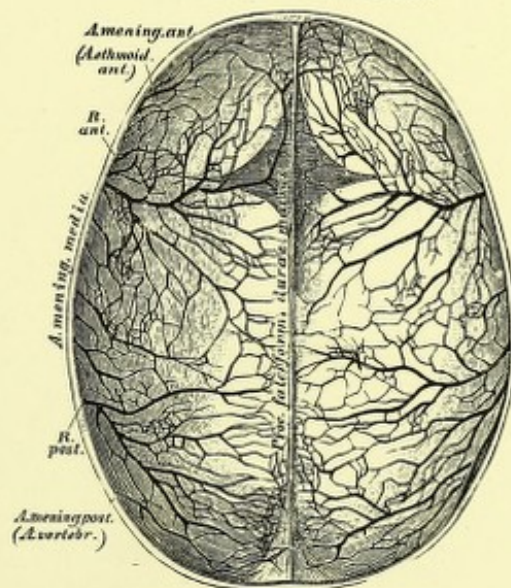
2. Internal view.

INTERNAL MAXILLARY ARTERY



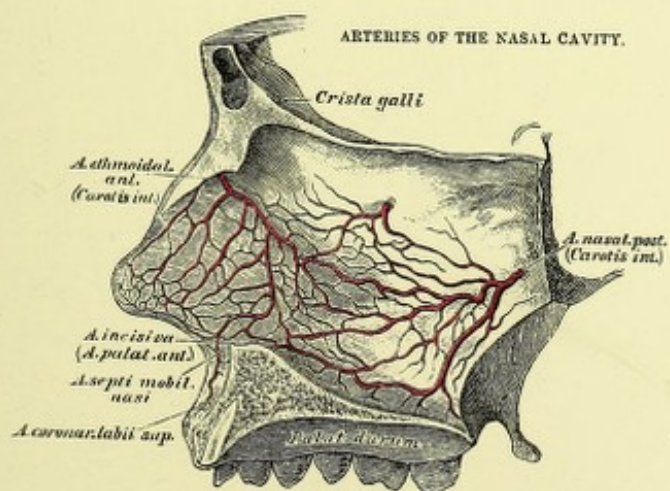
3. External view.

ARTERIES OF THE DURA MATER.



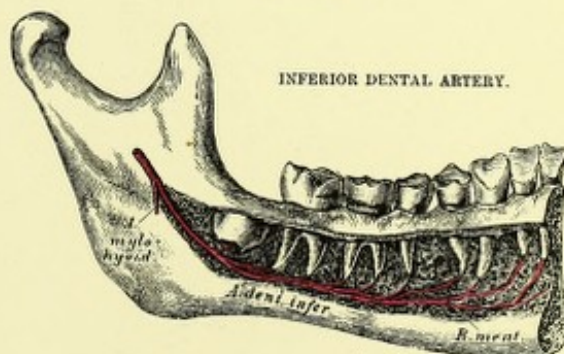
4. From above.

ARTERIES OF THE NASAL CAVITY.



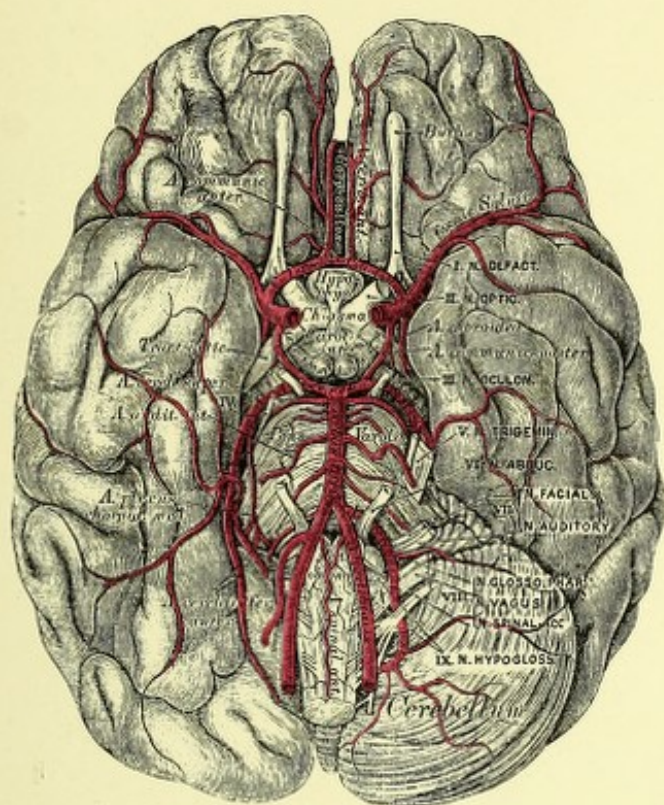
5. Internal view

INFERIOR DENTAL ARTERY.



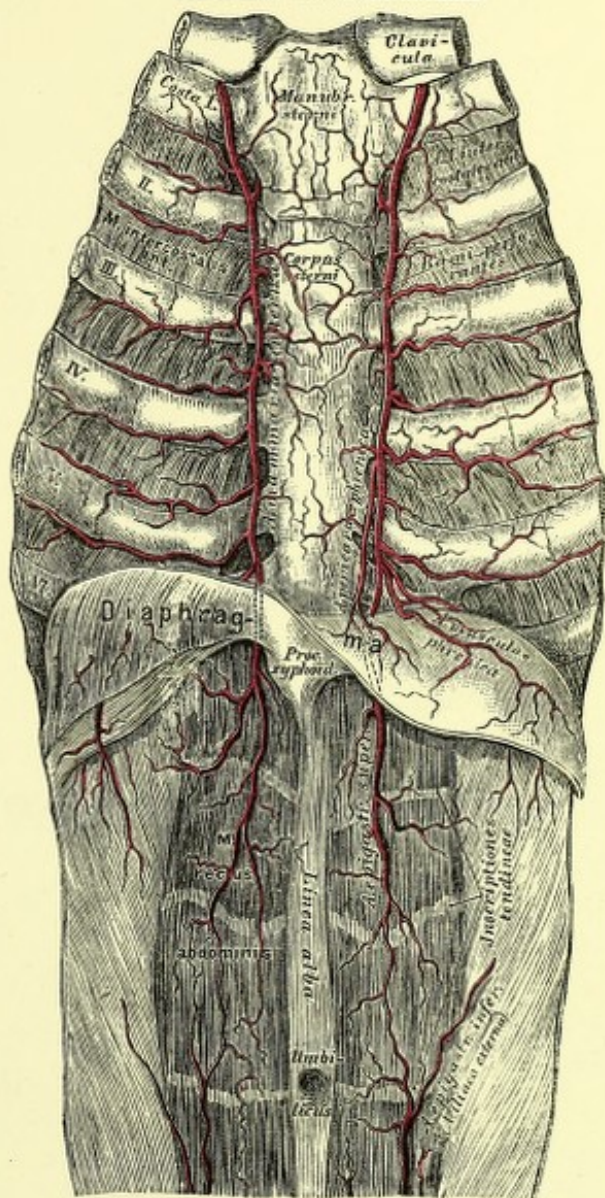
6.

THE ARTERIES AT THE BASE OF THE BRAIN.



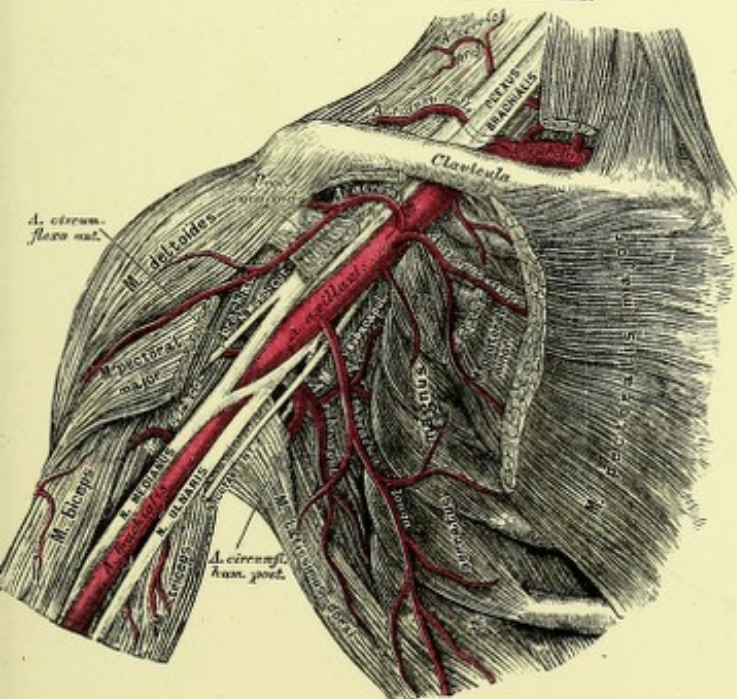
1.

THE INTERNAL MAMMARY ARTERIES.



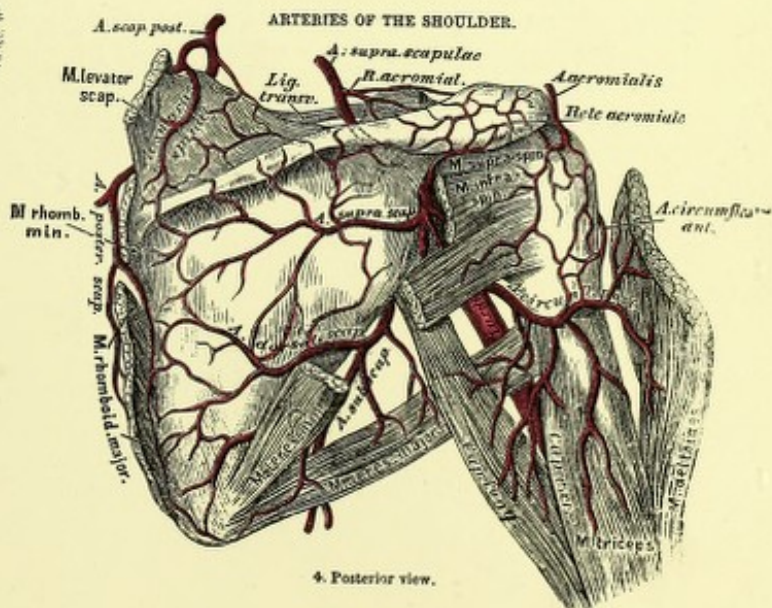
2. From within.

THE RIGHT AXILLARY ARTERY.

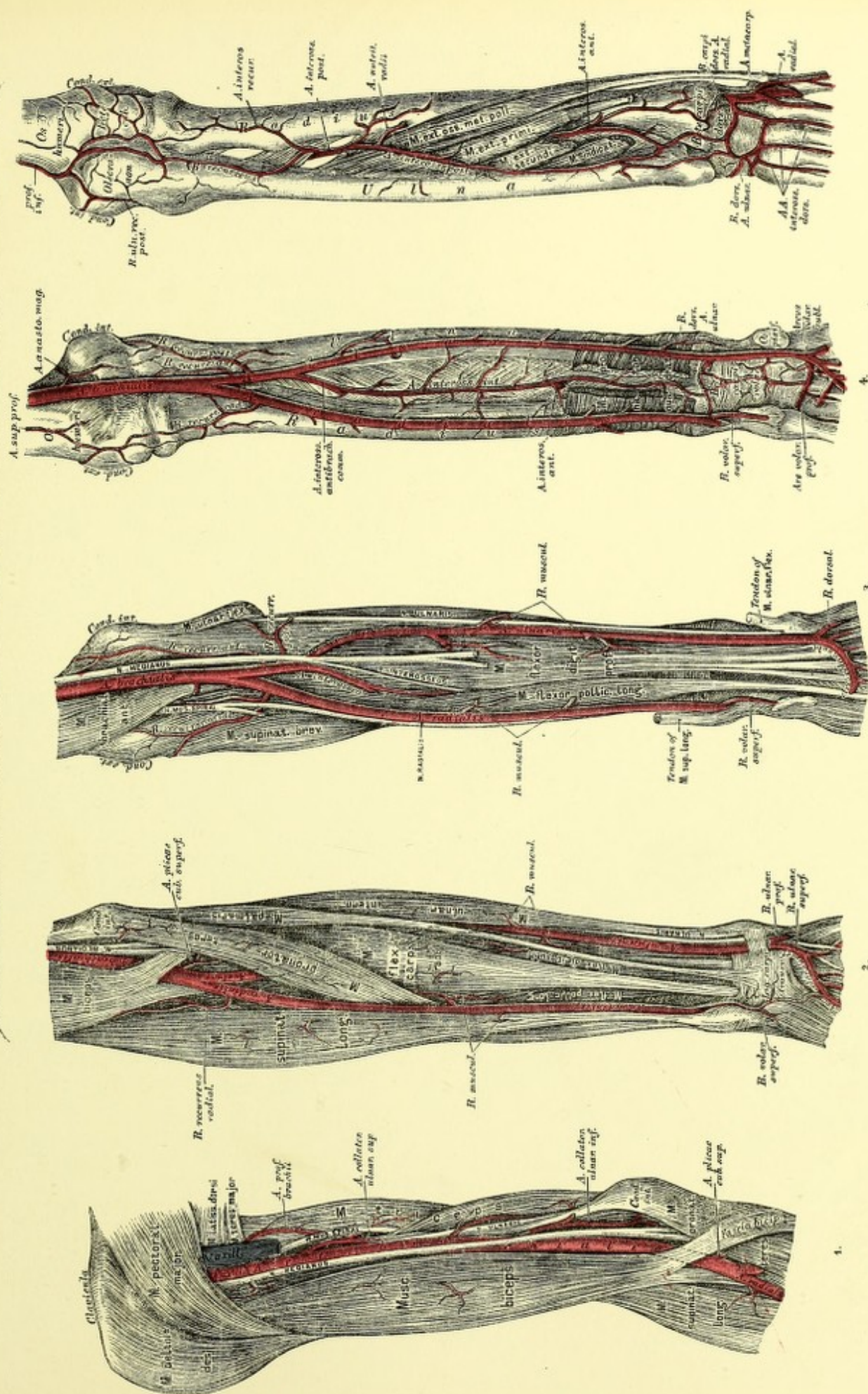


3.

ARTERIES OF THE SHOULDER.



4. Posterior view.

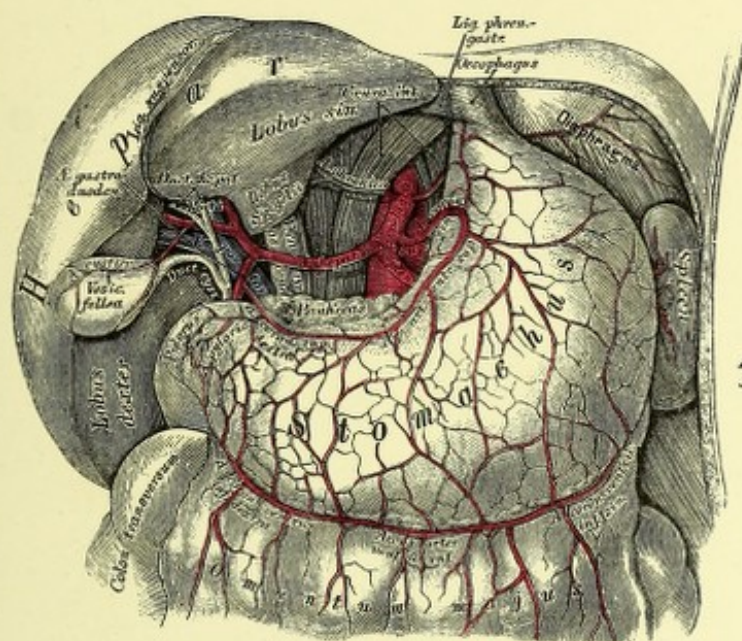


Superficial Dissection.
Anterior view.

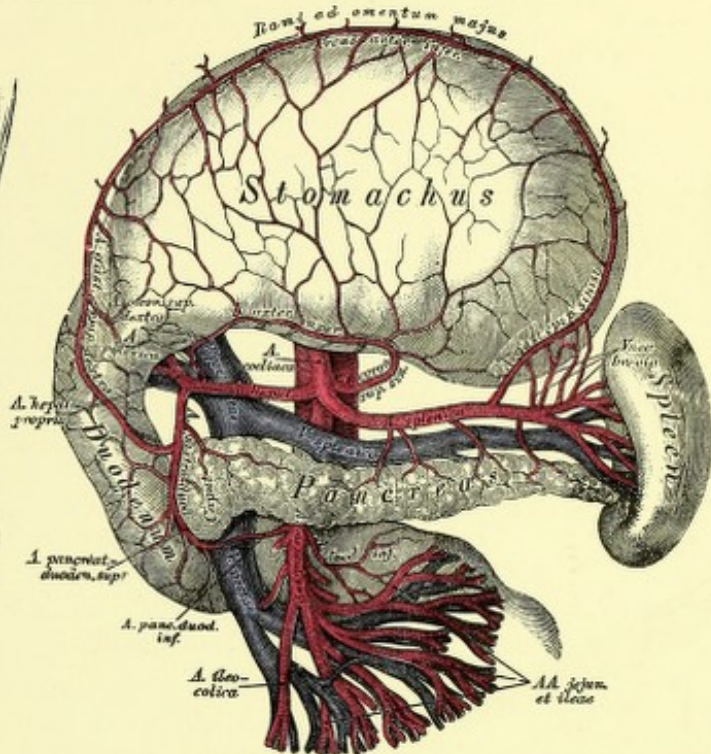
Deep Dissection.
Anterior view.

5. Posterior view.

CÆLIAC AXIS AND ITS BRANCHES.

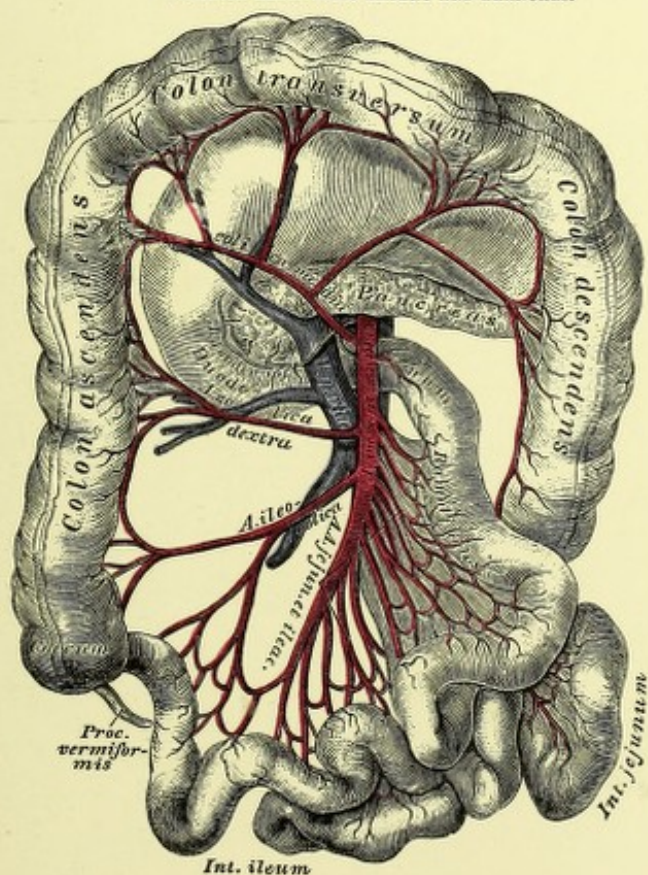


1. The Liver raised and the lesser Omentum removed.



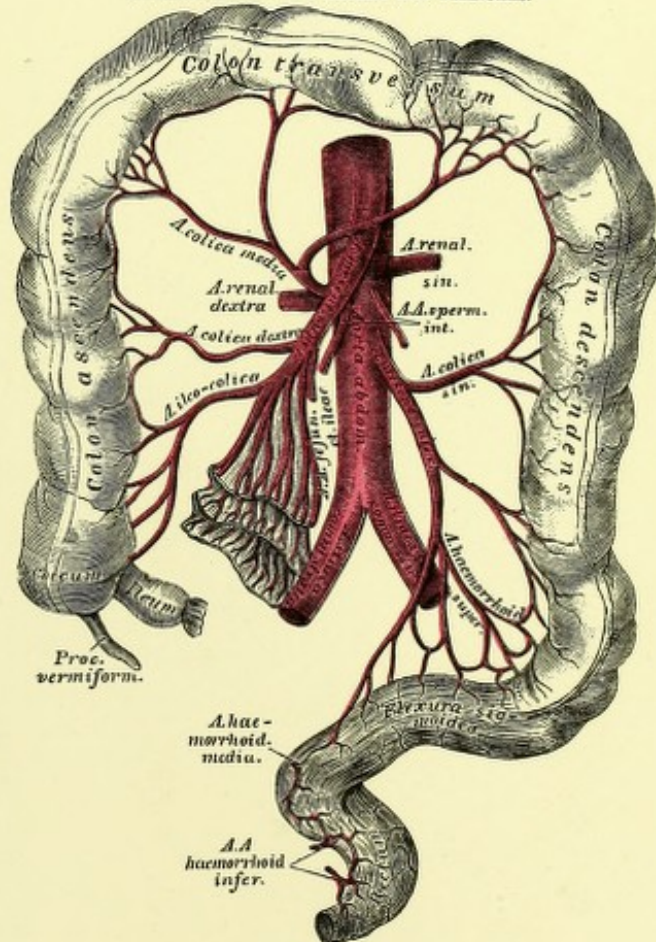
2. Stomach raised and transverse Mesocolon removed.

SUPERIOR MESENTERIC ARTERY AND BRANCHES.



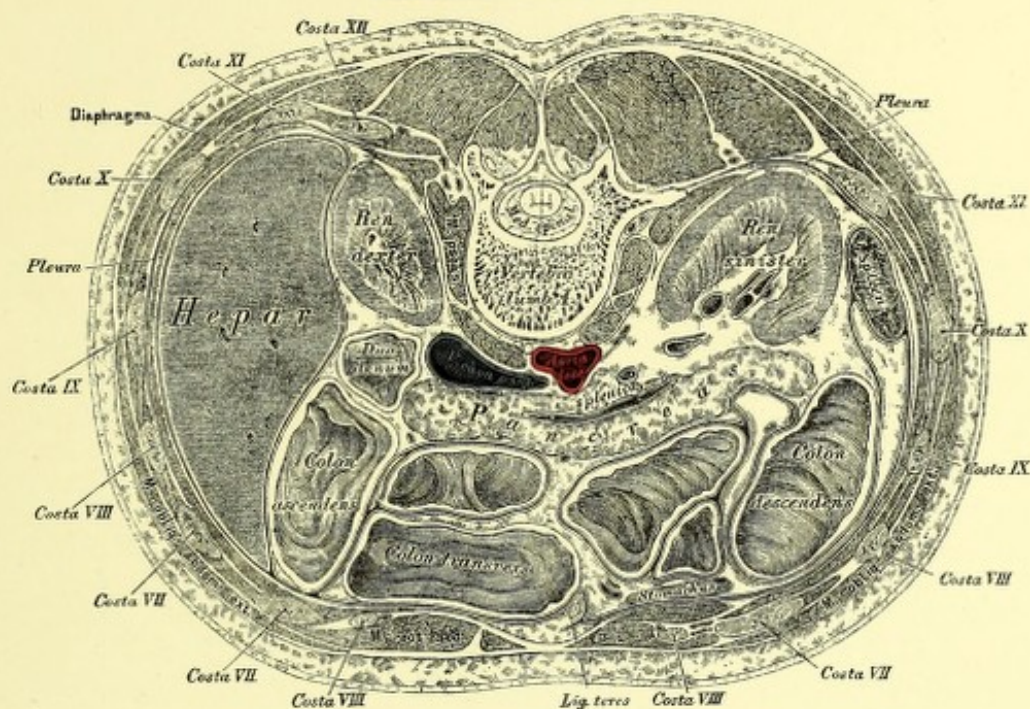
20

INFERIOR MESENTERIC ARTERY AND BRANCHES.



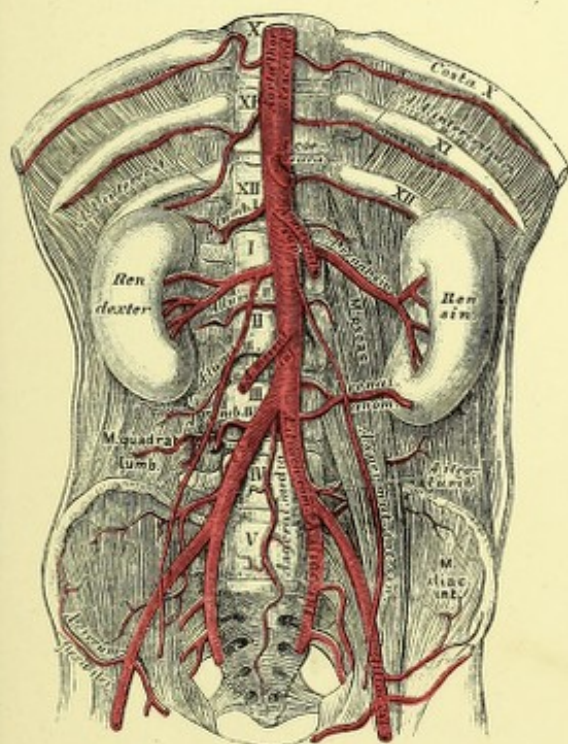
+

TRANSVERSE SECTION OF THE BODY THROUGH THE
FIRST LUMBAR VERTEBRA. (Braune.)



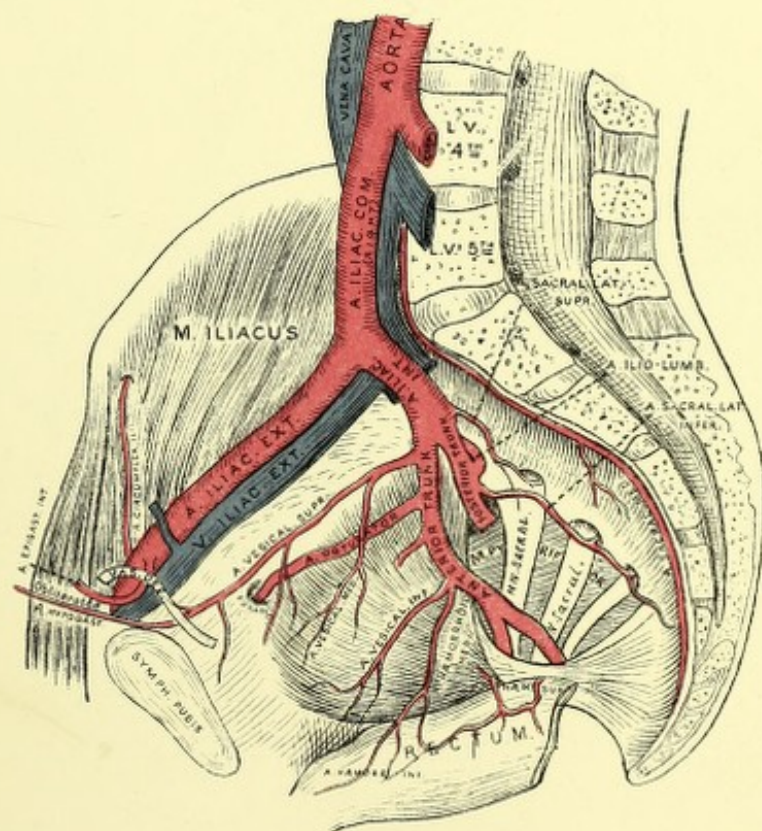
1.

ABDOMINAL AORTA AND PELVIC BRANCHES.



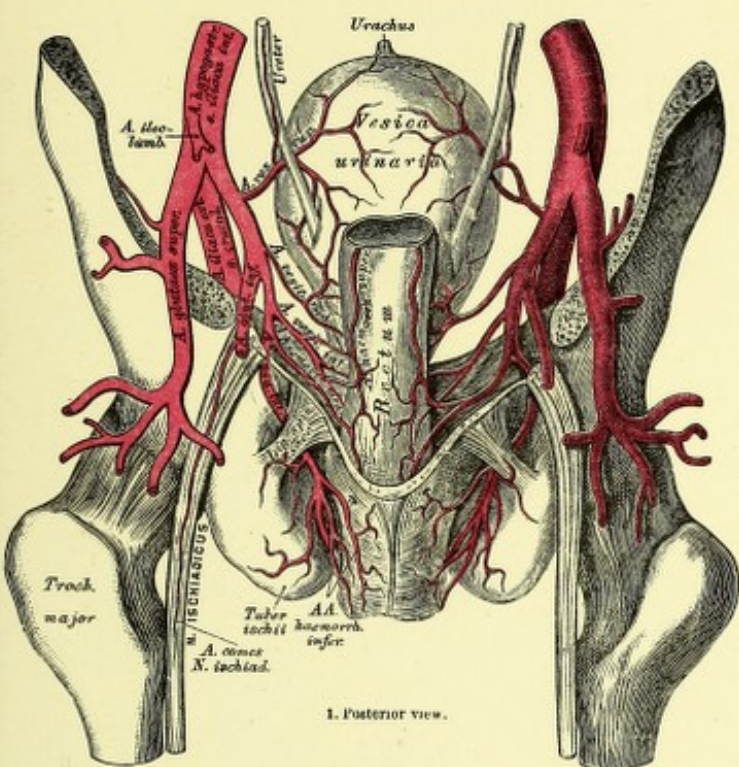
2.

ARTERIES OF THE PELVIS.

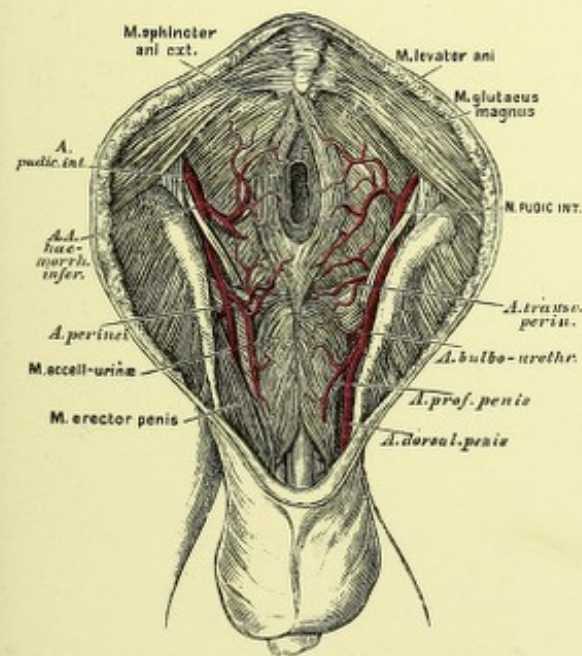


3. Inner view of right half of body.

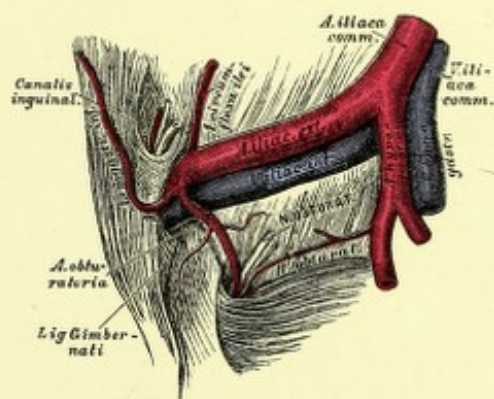
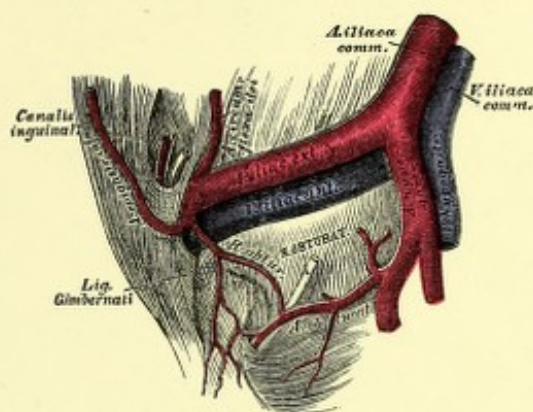
ARTERIES OF PELVIS.



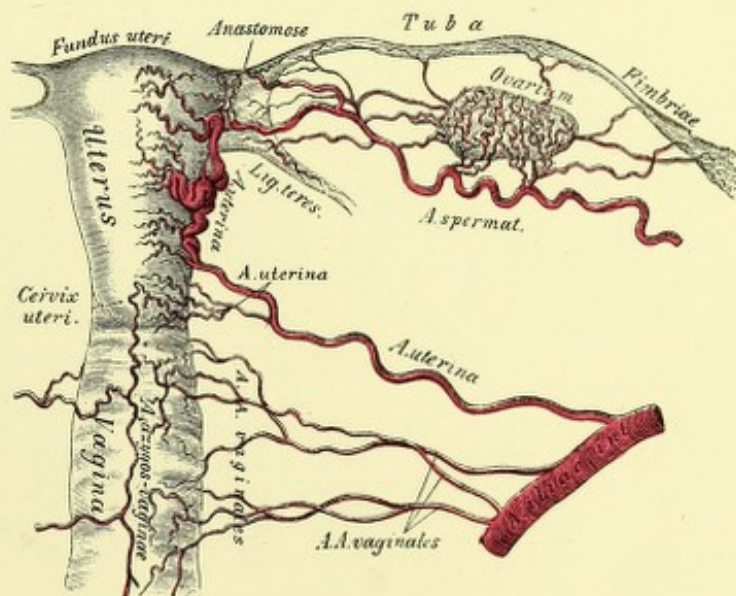
ARTERIES OF PERINEUM.



INTERNAL EPIGASTRIC AND OBTURATOR ARTERIES.

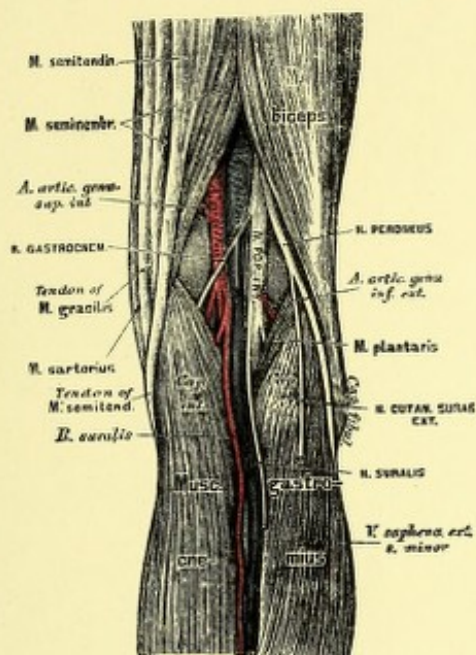


ARTERIES OF OVARY, UTERUS, AND VAGINA.

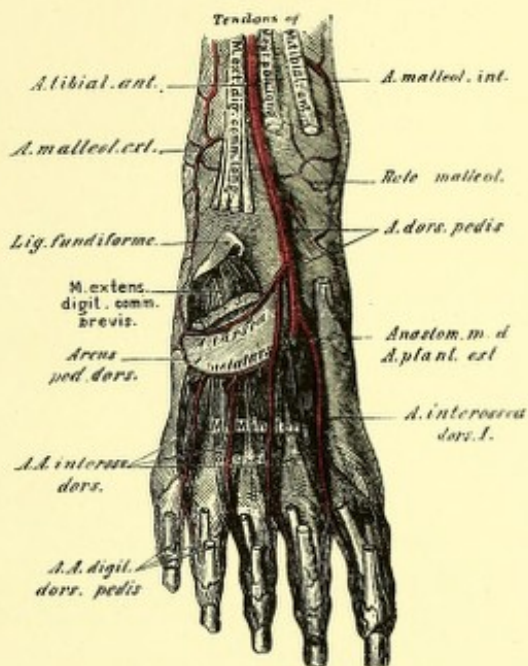


POPLITEAL SPACE.

ARTERIES OF EQUUSUM OF FOOT.

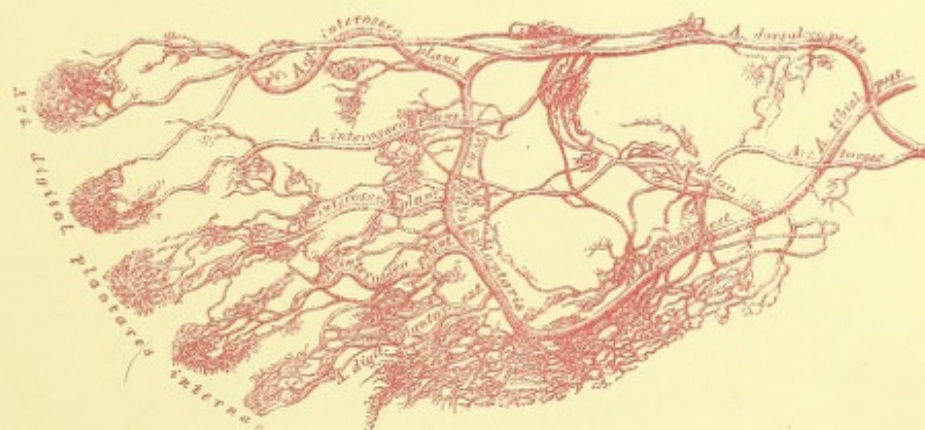


1.



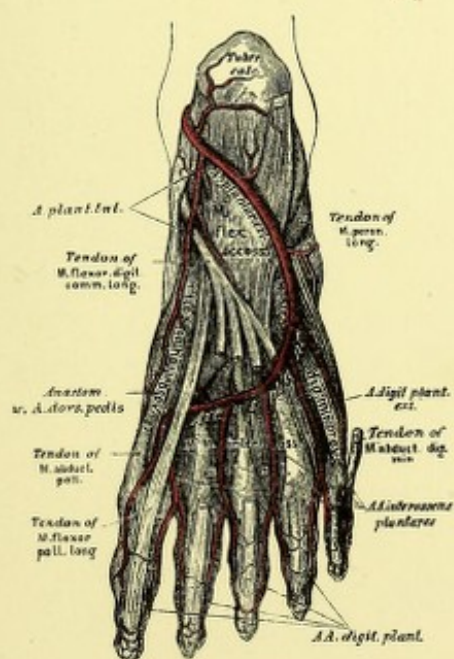
2.

ARTERIES OF FOOT.

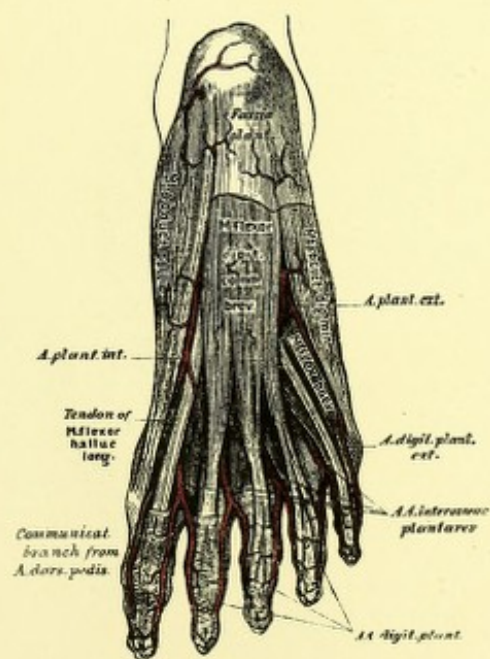


3.

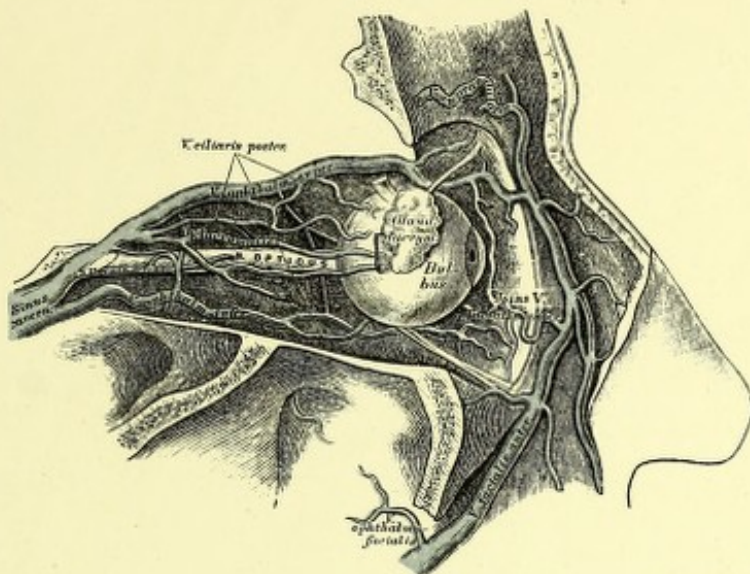
PLANTAR ARTERIES OF FOOT.



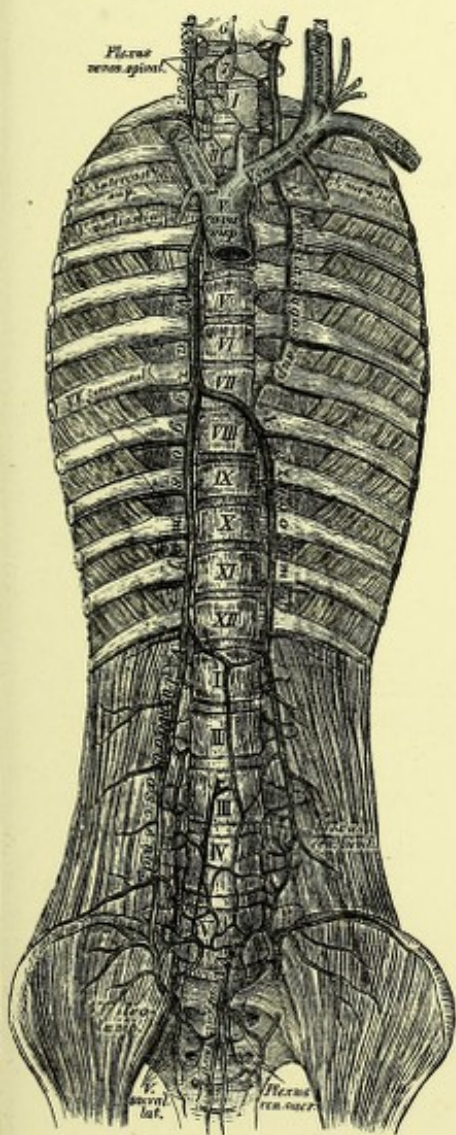
3. Deep Dissection, showing Plantar Arch.



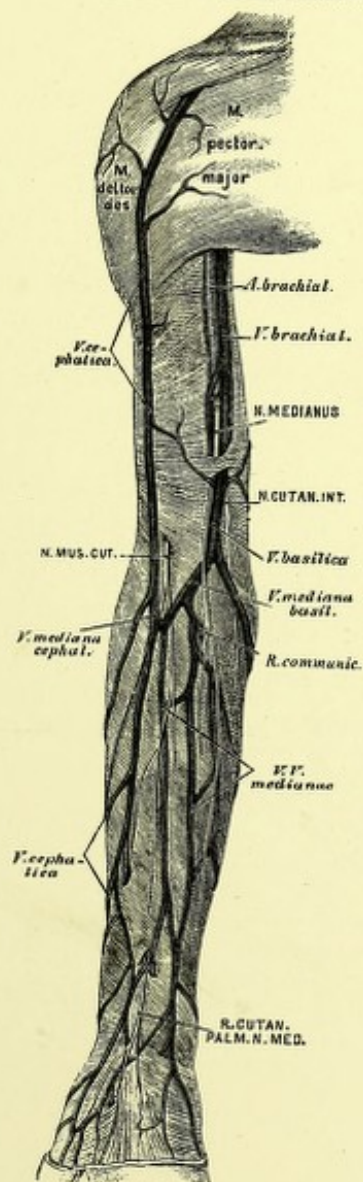
4. Superficial Dissection



AZYGOS VEINS.



VEINS OF THE UPPER EXTREMITY.



LARGE VEINS OF NECK, THORAX, ABDOMEN, AND PELVIS.

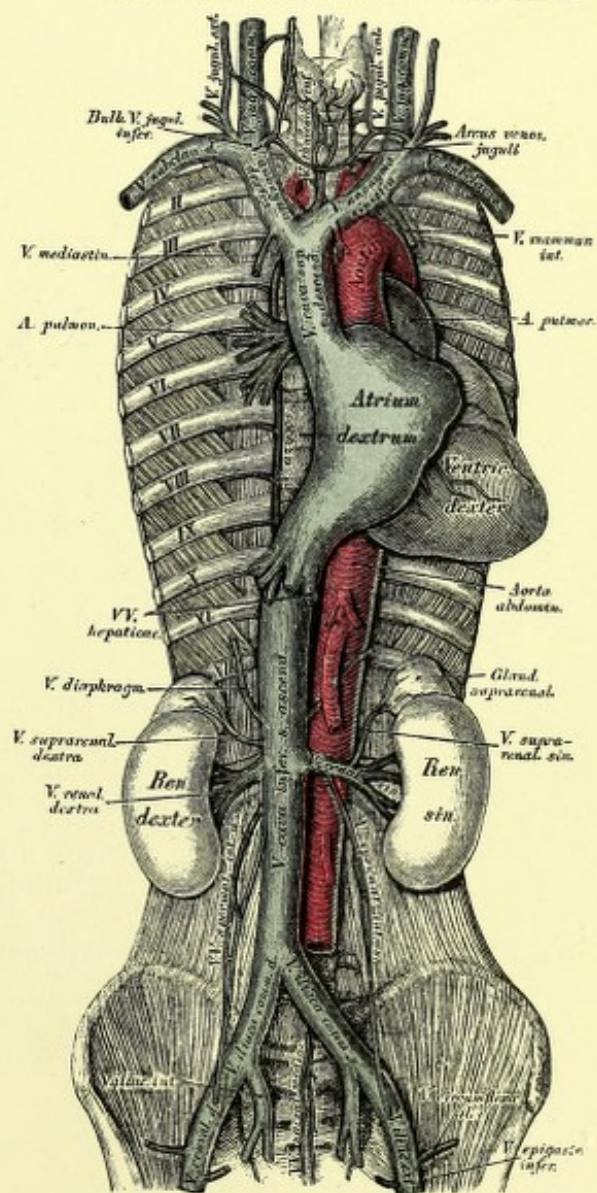
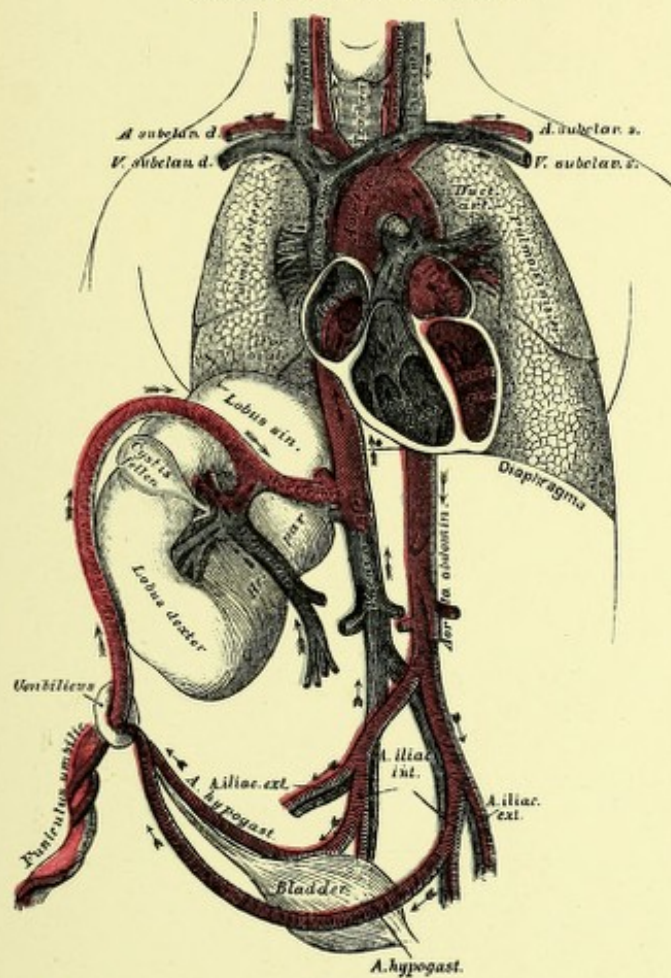
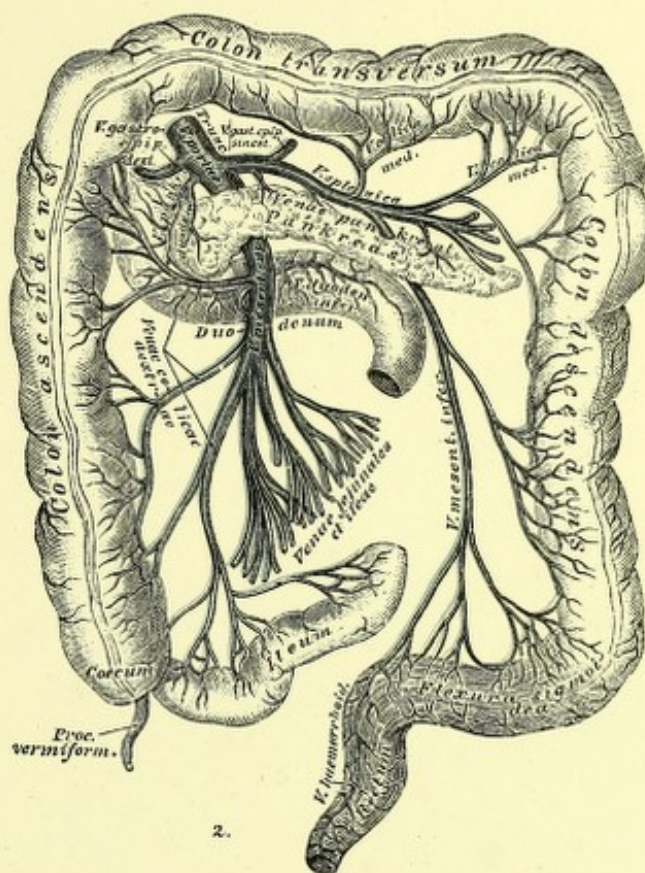


DIAGRAM OF THE FETAL CIRCULATION.



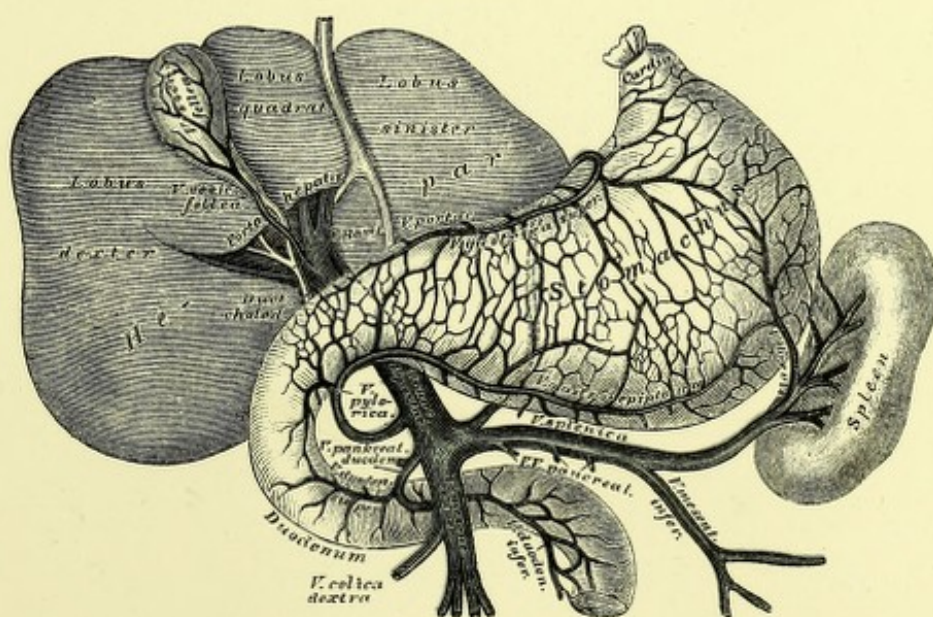
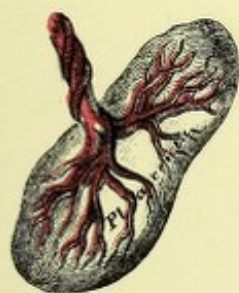
1

VENA PORTÆ.

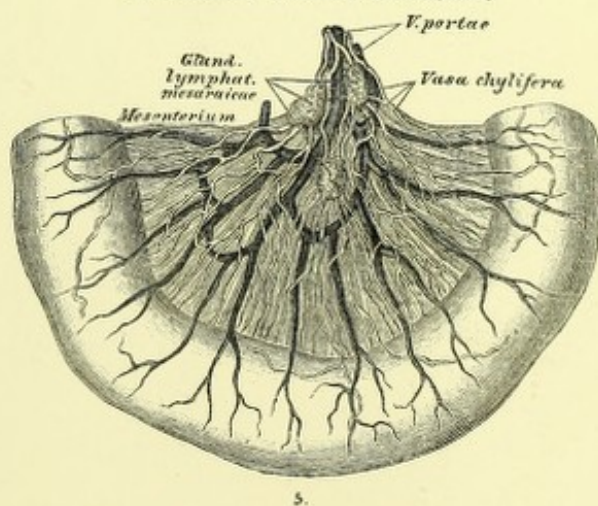
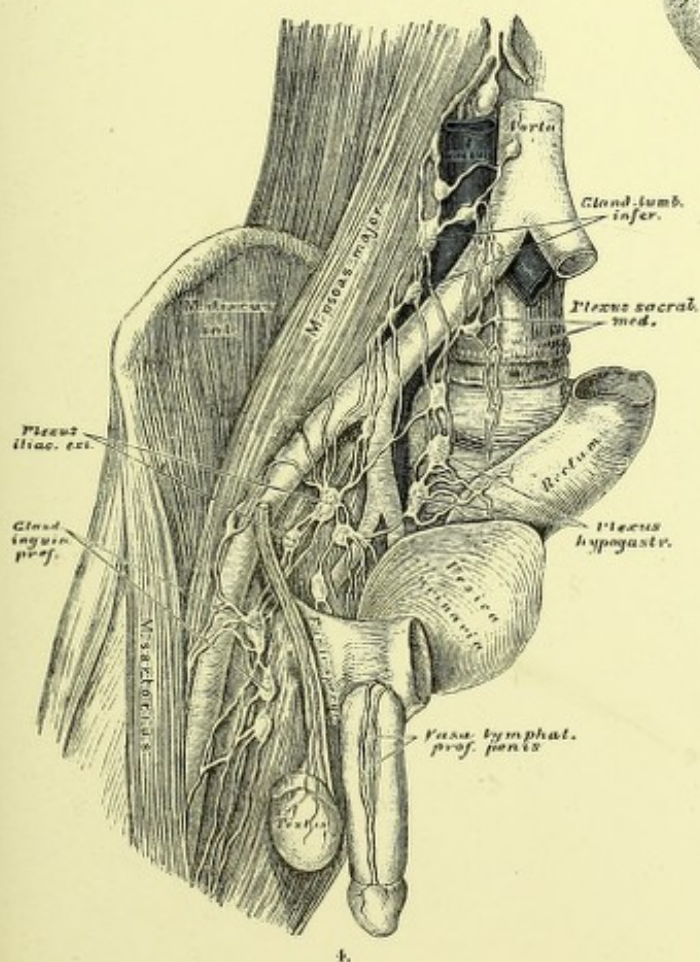
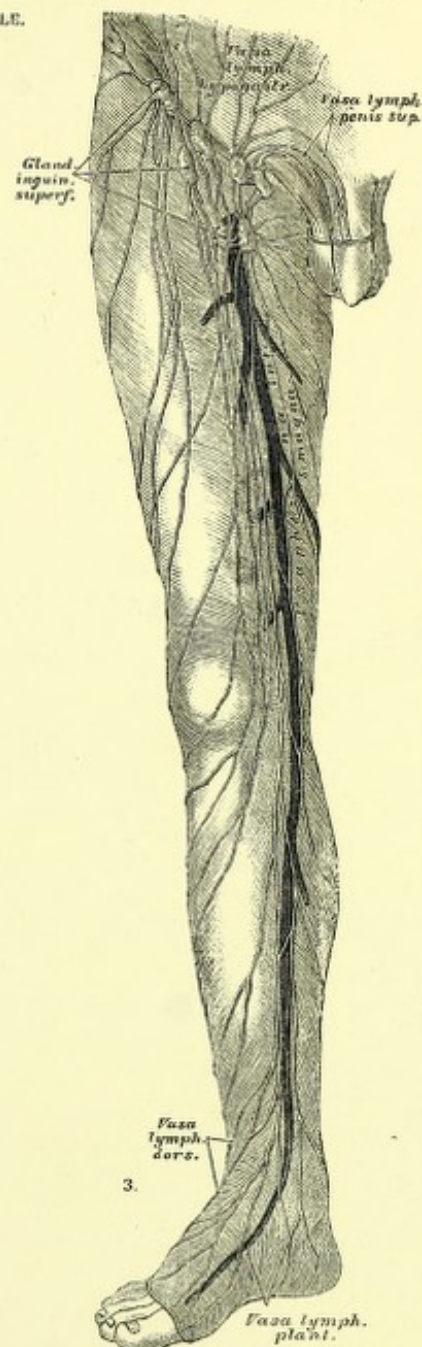
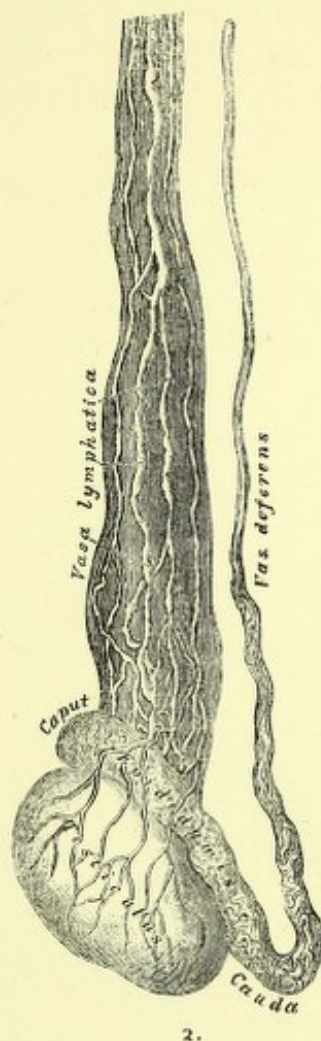
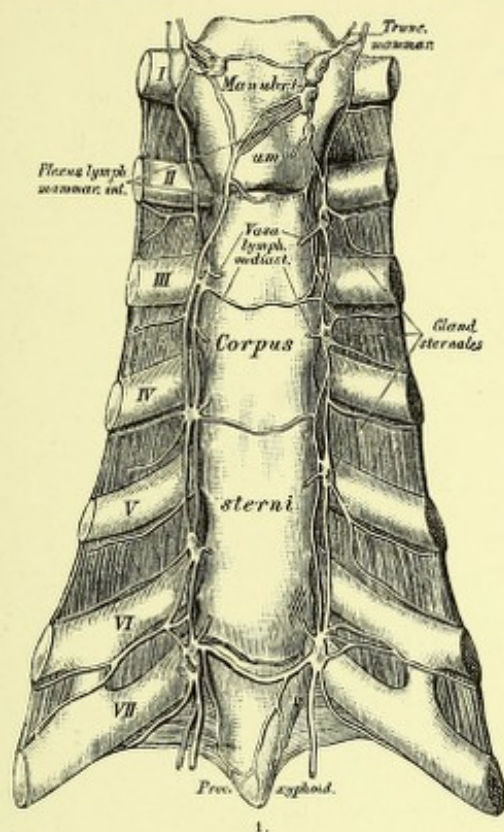


2.

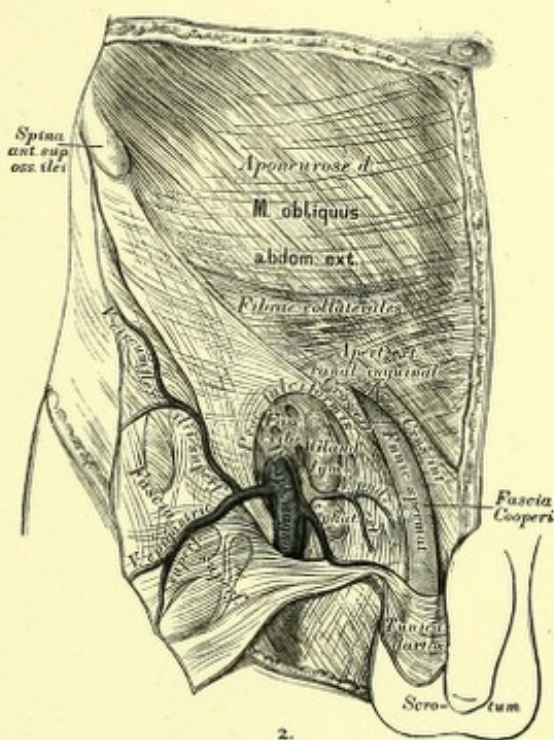
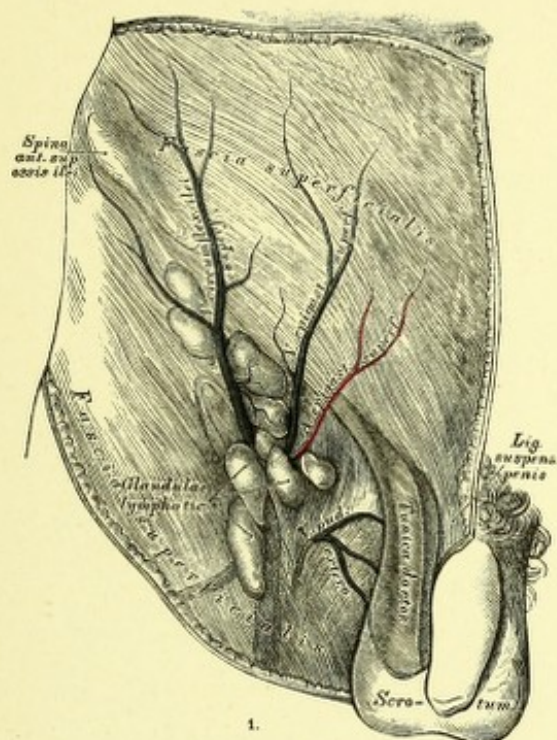
VENA PORTÆ.



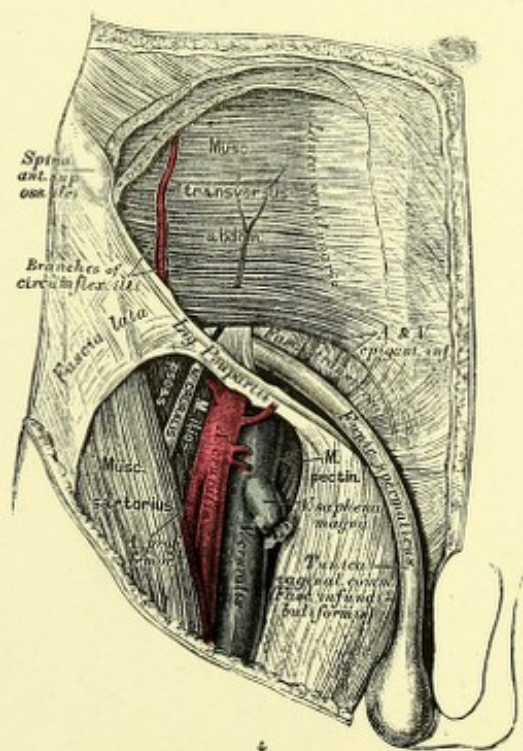
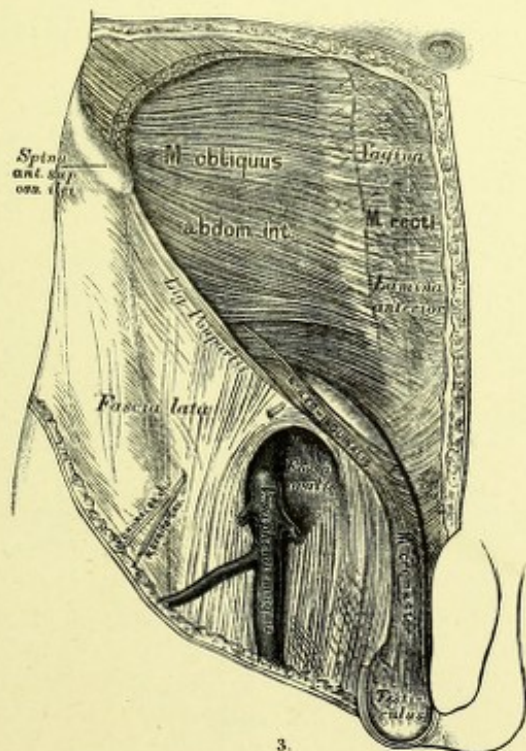
3.



TOPOGRAPHY OF INGUINAL AND FEMORAL HERNIA.

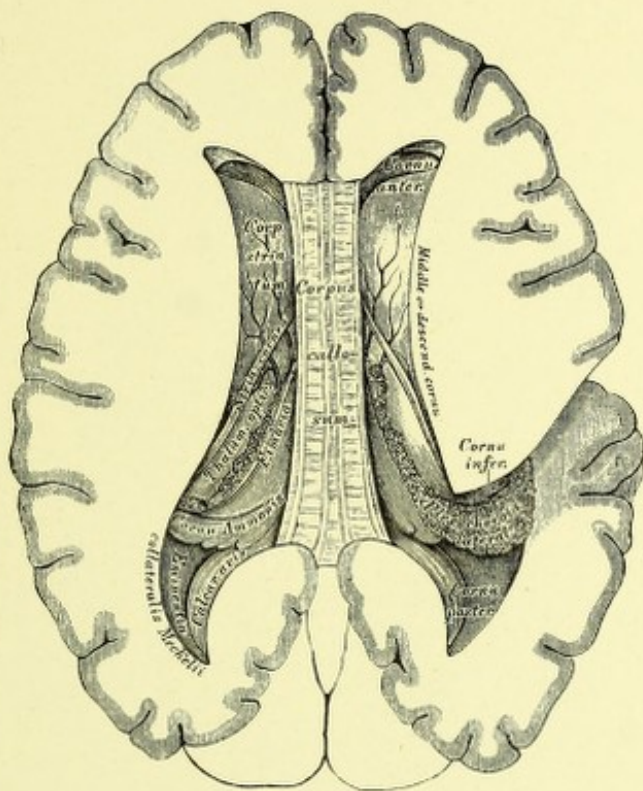


TOPOGRAPHY OF INGUINAL AND FEMORAL HERNIA.

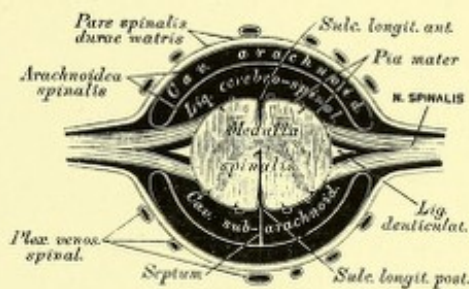


THE NERVOUS SYSTEM

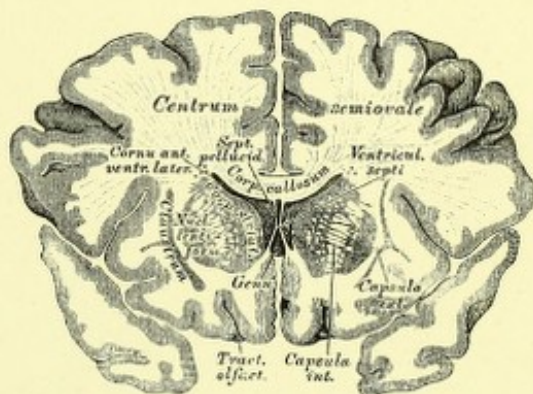
THE BRAIN.



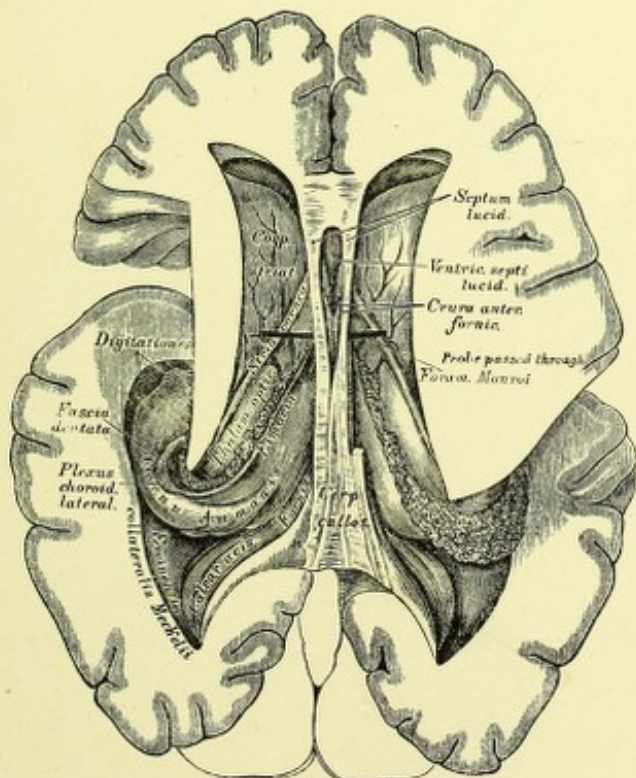
1. Seen from above.
Section through the lateral Ventricles.



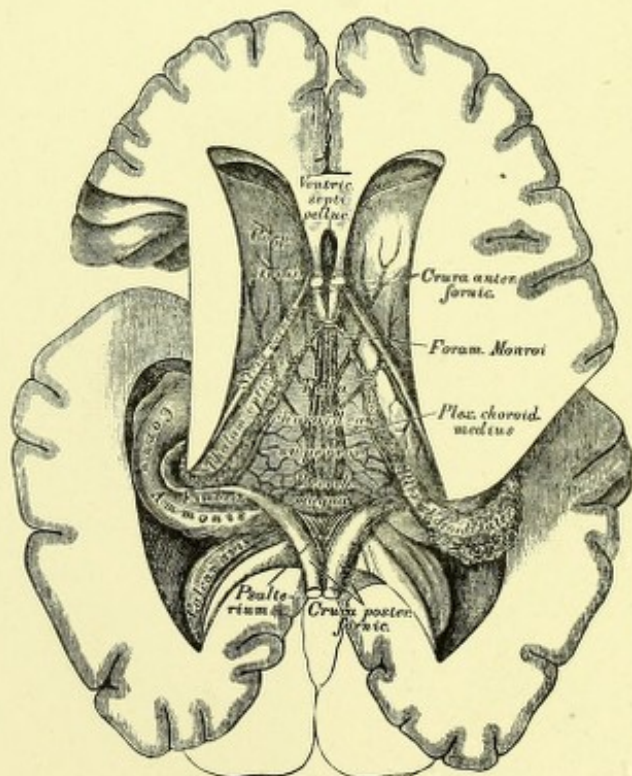
3. Diagram of Spinal Cord, its Membranes, &c.



4. Transverse vertical section through the Cerebrum in the middle of the anterior third of the Corpus Callosum.

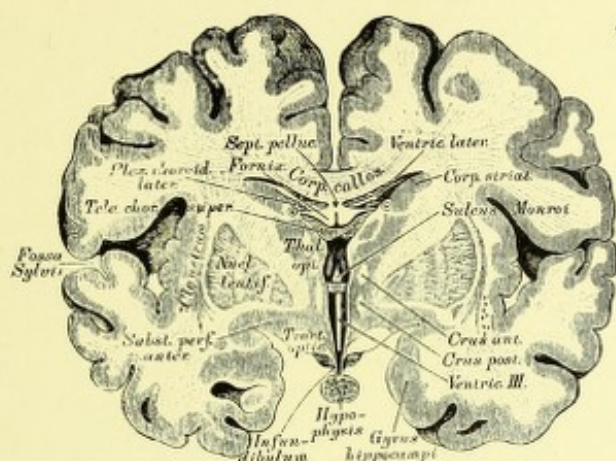


2. The lateral Ventricles.

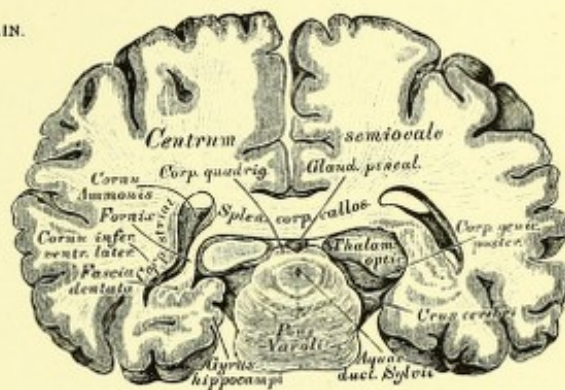


5. Fornix divided and turned back displaying Velum interpositum (Tela Choroidea Superior,) Choroide Plexus, &c.

THE BRAIN.

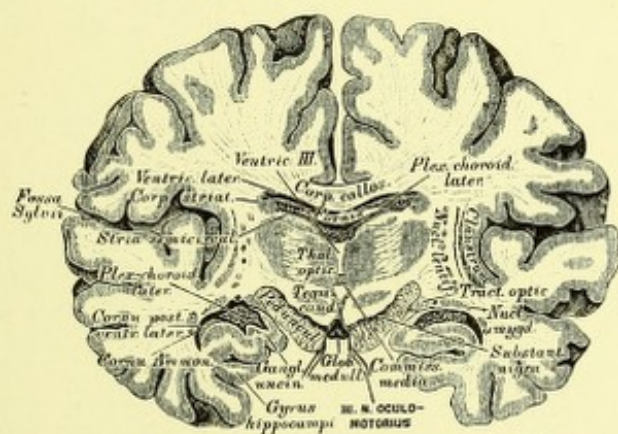


1. Trans-vert. section through the Cerebrum between the anterior and middle third of the Corpus Callosum.

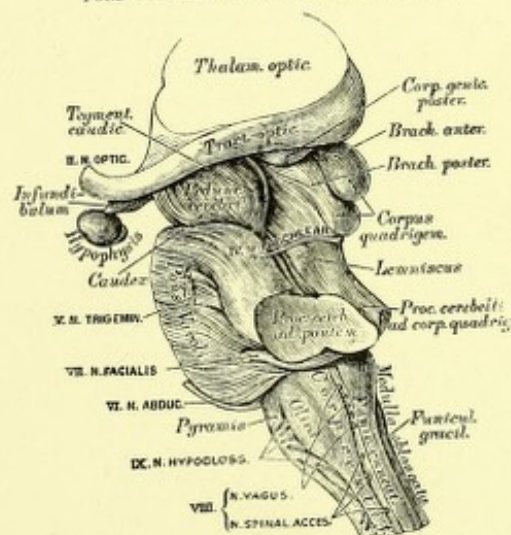


2. Diagonal section of Cerebrum and Pons Varolii in a line from the Vortex of the Skull towards the hinder part of the Sphenoid.

PONS VAROLII AND MEDULLA OBLONGATA.

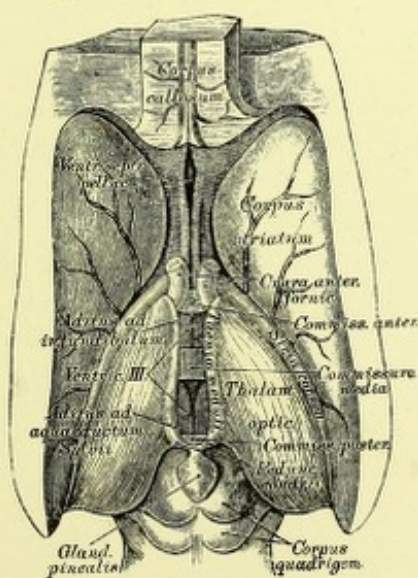


3. Trans-vert. section of Cerebrum at the middle of the Corpus Callosum.



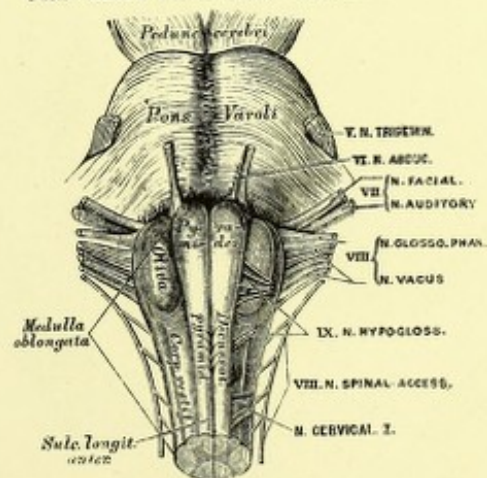
4. Lateral view.

THE THIRD AND 5TH VENTRICLES.



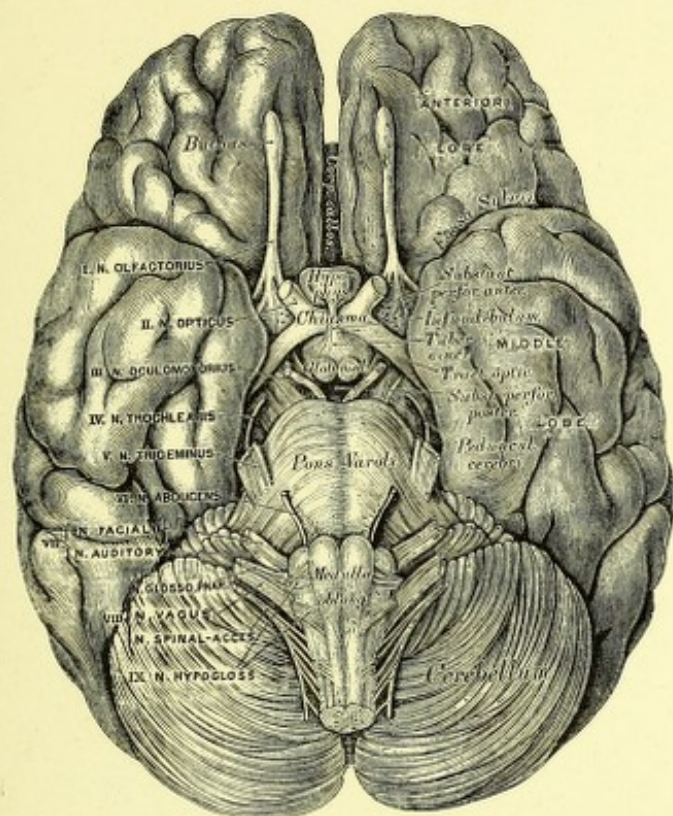
5. Seen from above.

PONS VAROLII AND MEDULLA OBLONGATA.

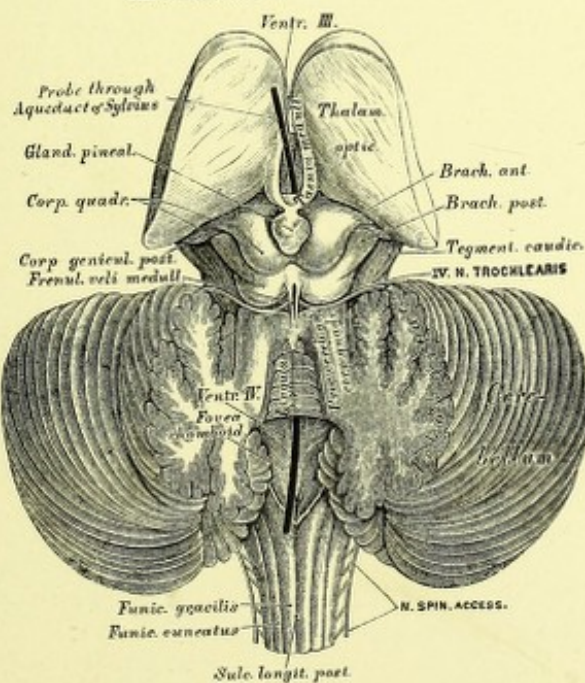


6. Anterior view.

BASE OF THE BRAIN.

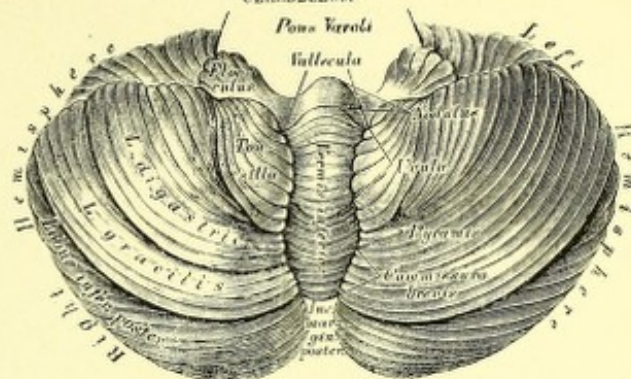


THE THIRD AND FOURTH VENTRICLES.

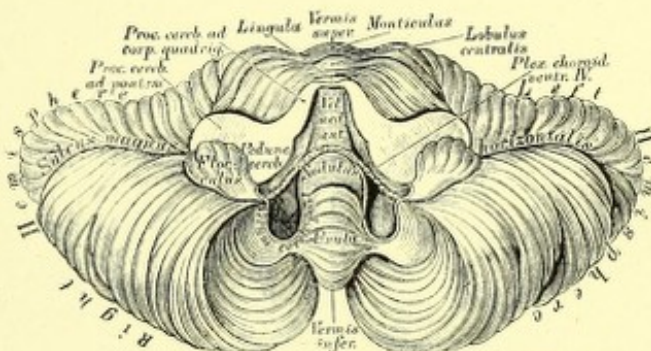


2.

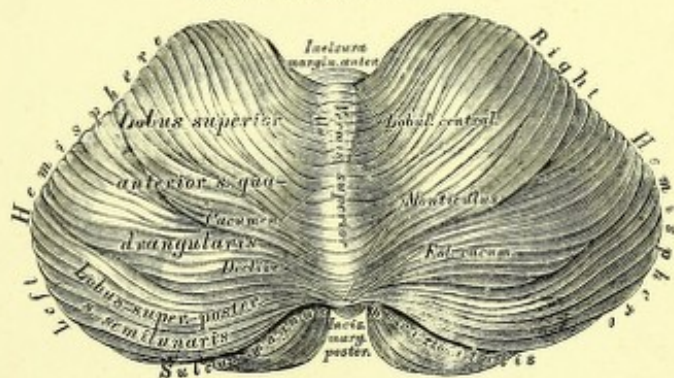
CEREBELLUM



3. Under surface

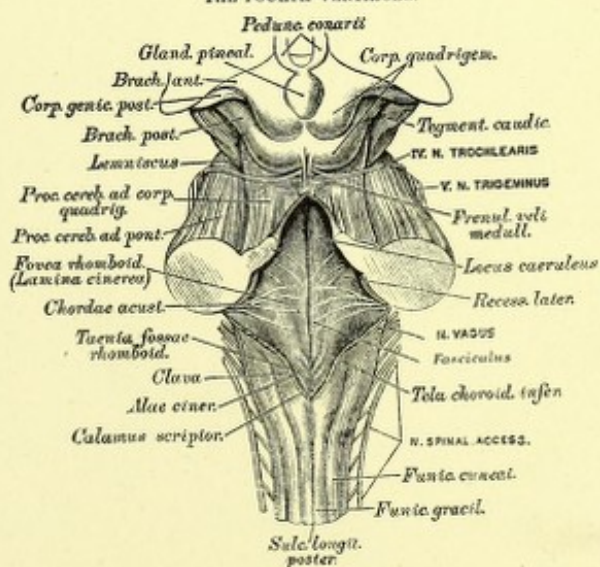


4. Amygdala lobe removed entirely, and the Coniform or Digastrie lobe partly removed.

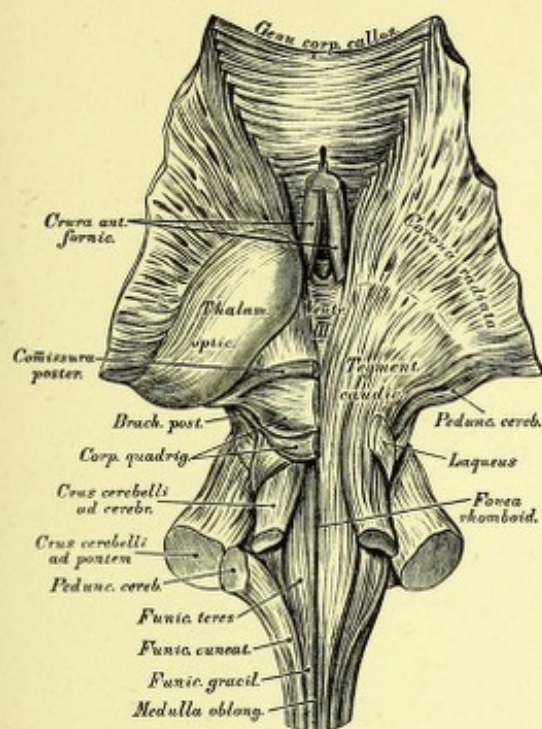


5. Seen from above.

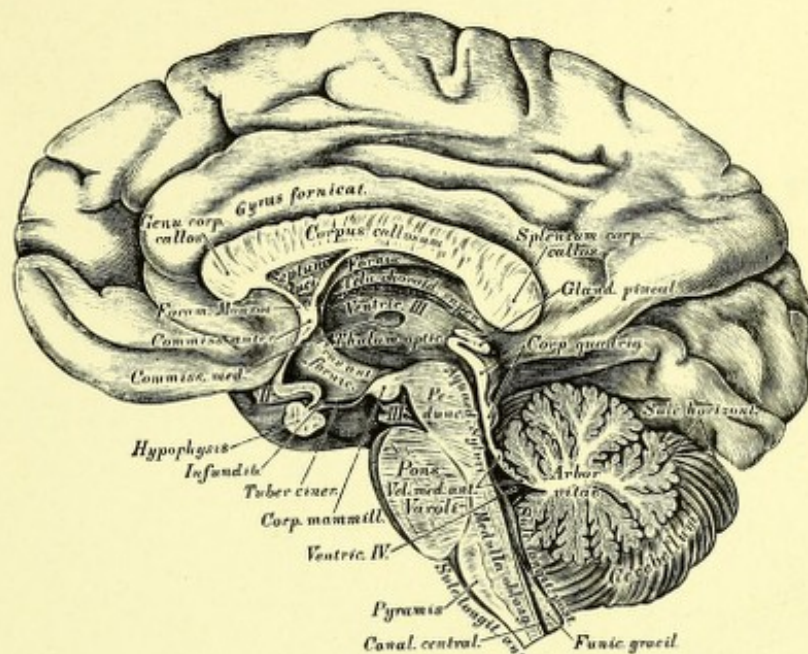
THE FOURTH VENTRICLE.



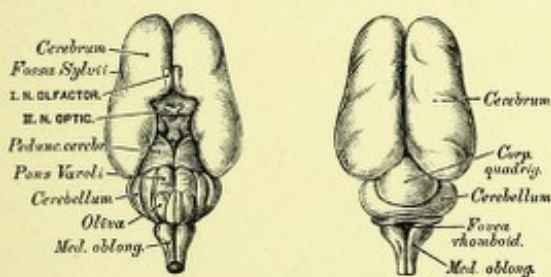
FIBRES OF THE PEDUNCLES.



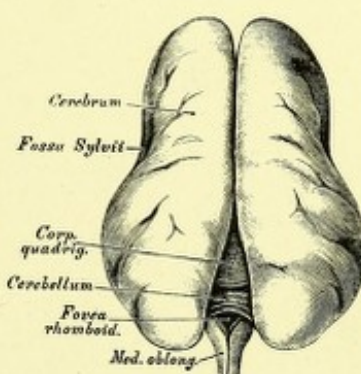
1. From beneath.



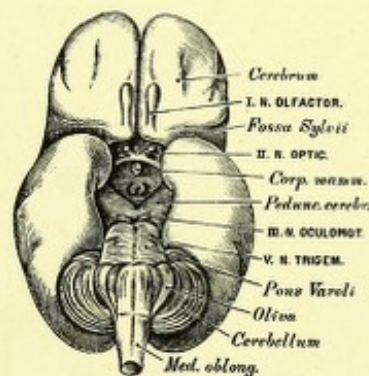
2. Antero-posterior vertical section



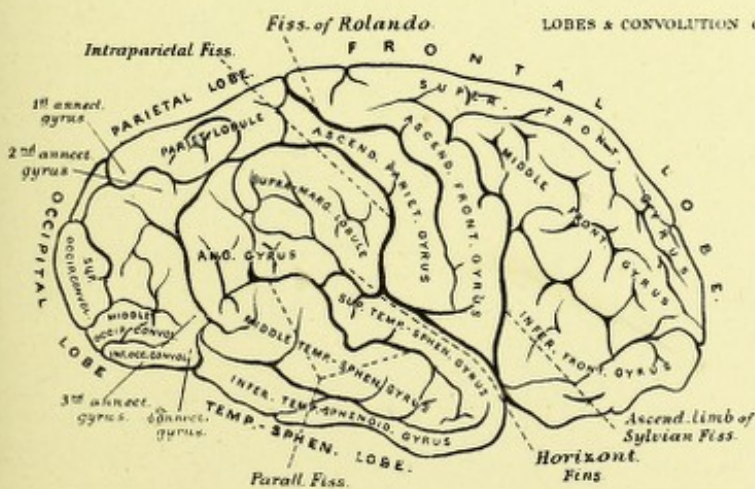
3. Brain of Three Months' Embryo.



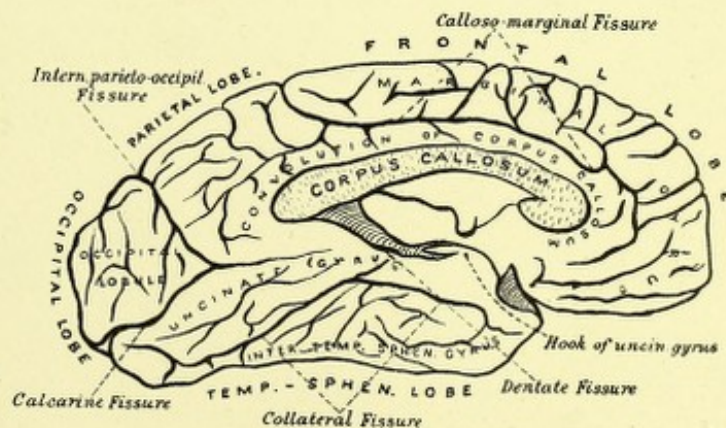
5. Posterior Hemispheres separated.



6. Brain of Four Months' Embryo.

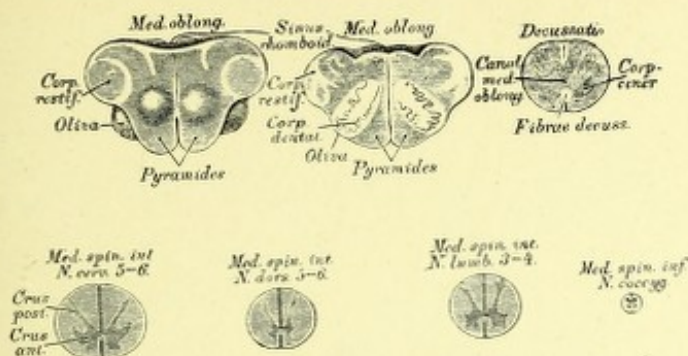


7. External view



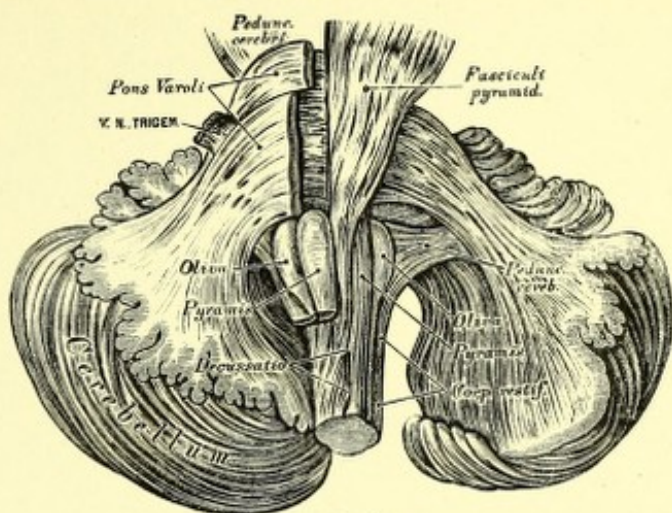
8. Internal view of left hemisphere

SPINAL CORD.

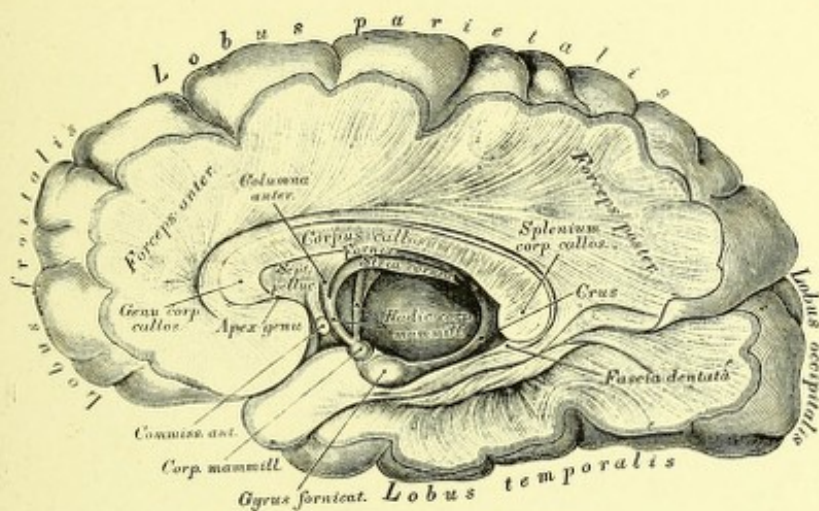


1. Transverse Sections through Medulla and Spinal Cord.

FIBRES OF THE PEDUNCLES.

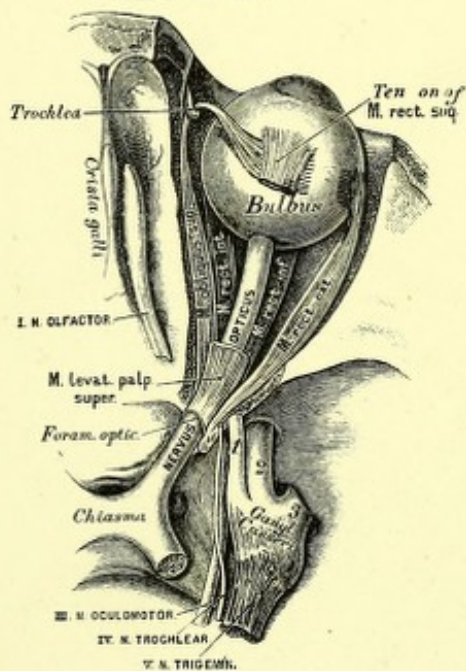


2. From beneath.



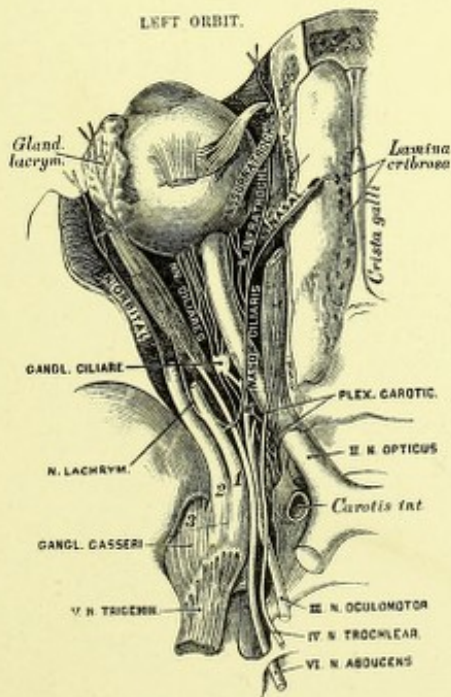
3. Longitudinal vertical section of Cerebrum.

THE RIGHT ORBIT.



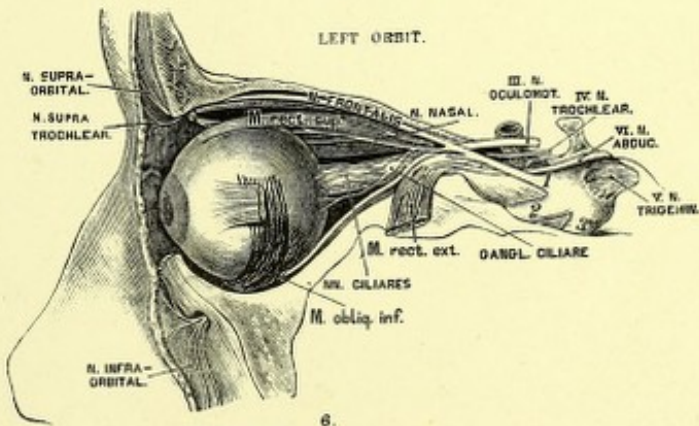
4. Seen from above.

LEFT ORBIT.



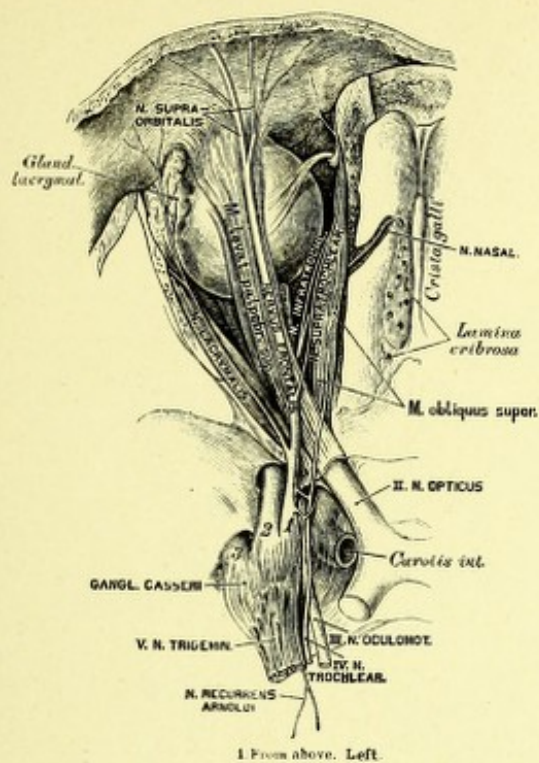
5. Seen from above.

LEFT ORBIT.



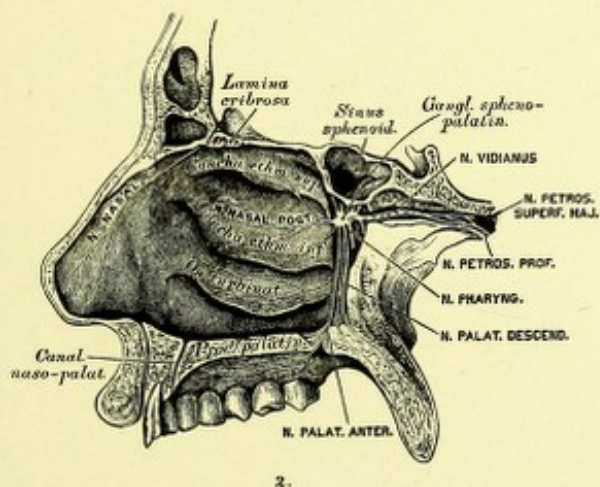
6.

ORBITAL NERVES.

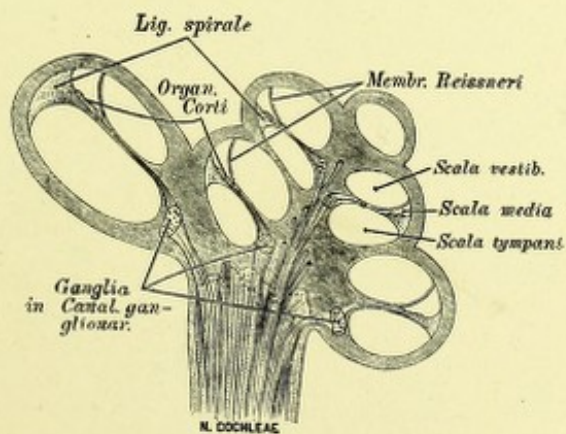


1. From above. Left.

SPHENO-PALATINE GANGLION.

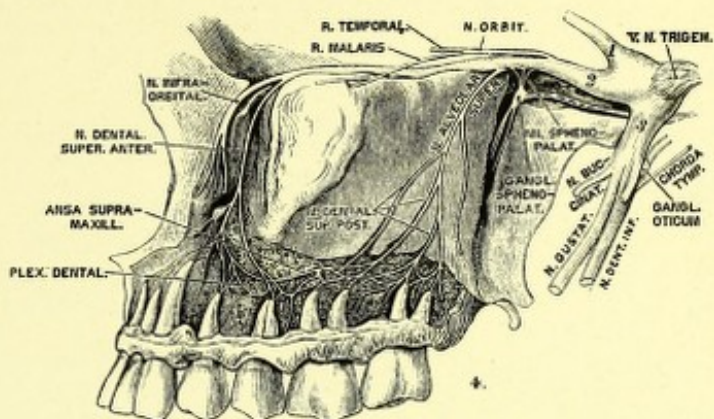


2.

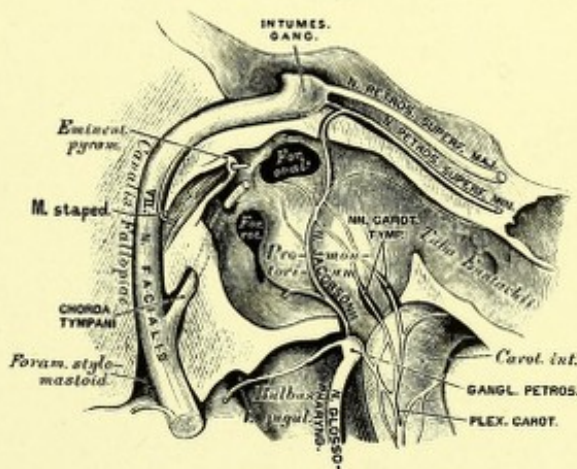


3. Section through Cochlea, showing ramifications of the Auditory Nerve. (Büdingen.)

SUPERIOR MAXILLARY NERVE.



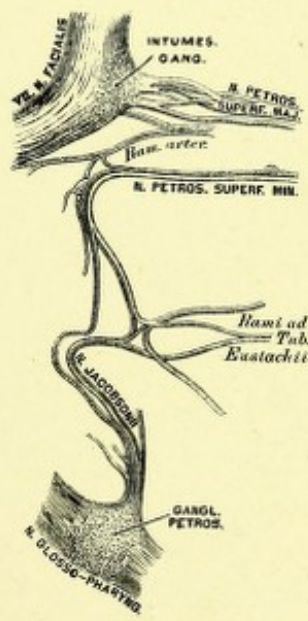
TYMPANIC PLEXUS.



5. Section through Right Tympanum. (Enlarged)



6.



3

11520 4

11520 4

11520 4

11

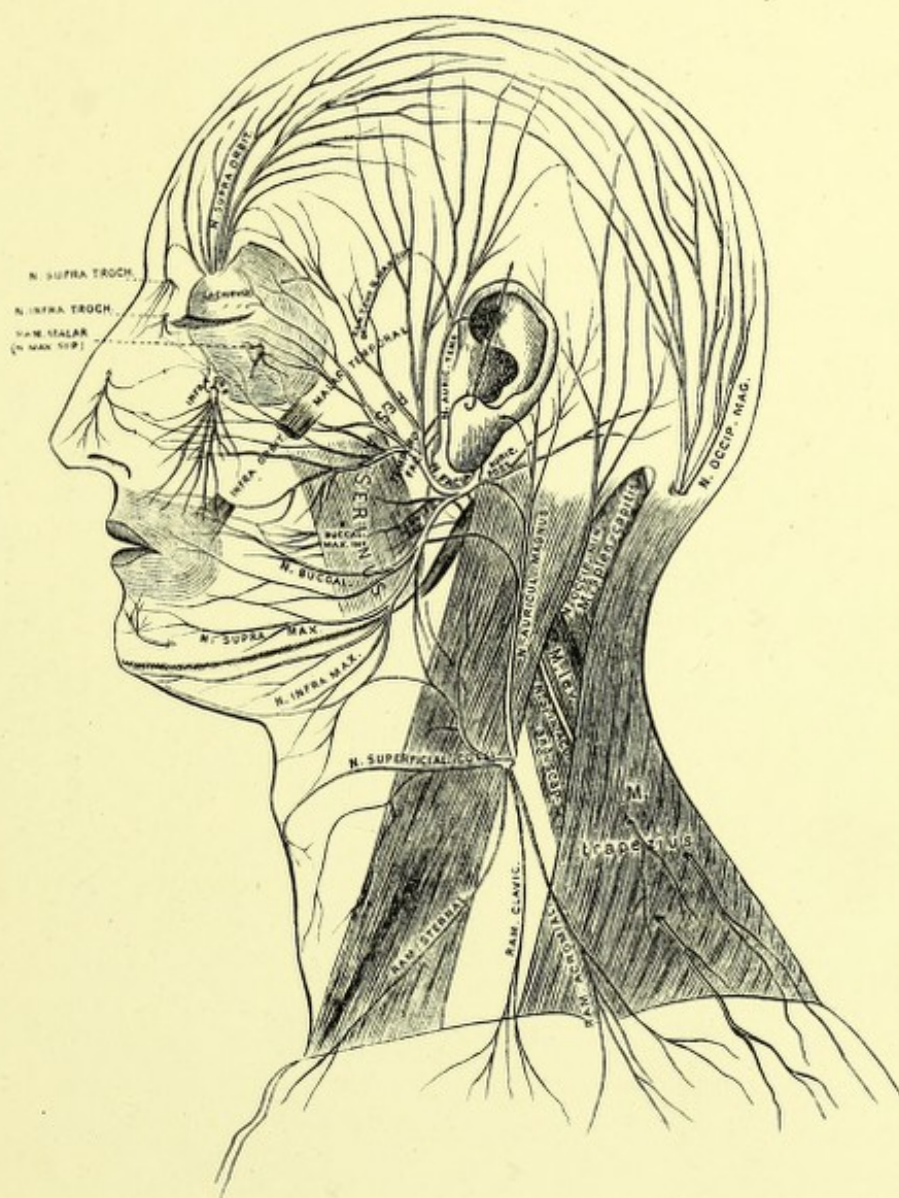
11520 4


11520 4

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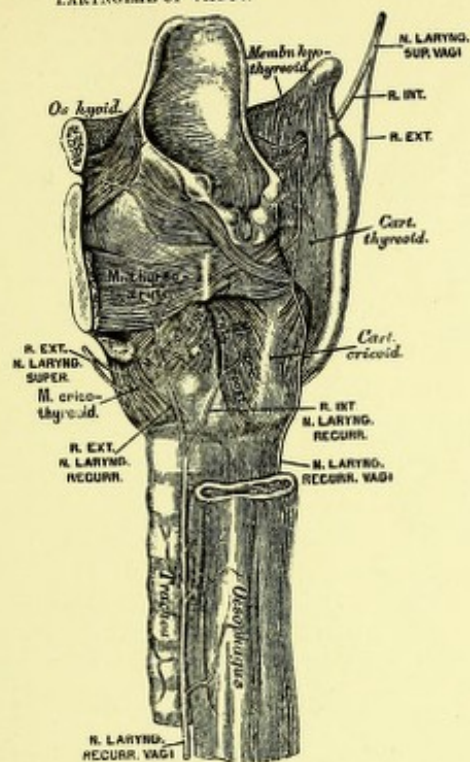
11520 4

SUPERFICIAL NERVES OF HEAD & NECK.



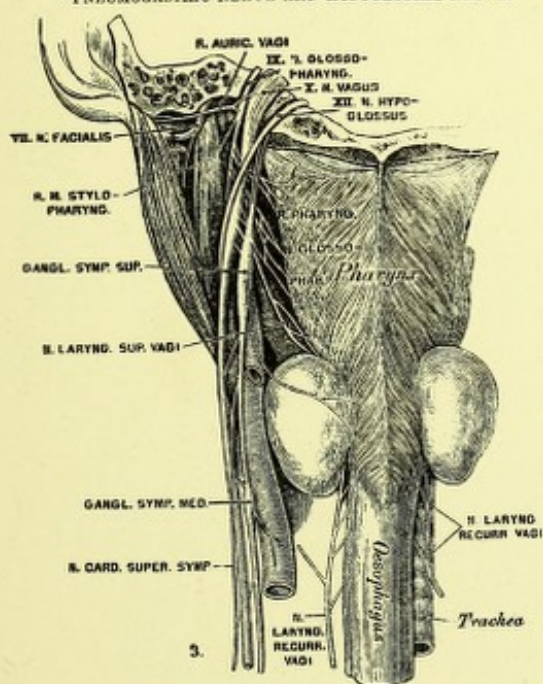
A crossline thus  indicates the junction of two different nerves.

SUPERIOR LARYNGEAL NERVE AND RECURRENT LARYNGEAL OF VAGUS.

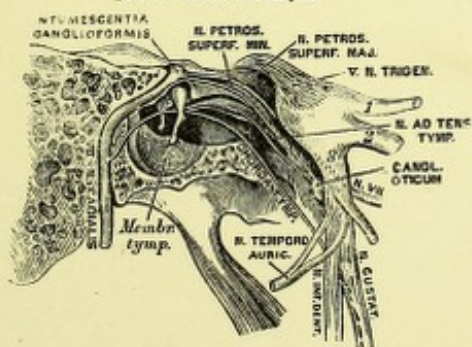


1. Posterior surface of Larynx.

PNEUMOGASTRIC NERVE AND HYPOGLOSSAL NERVE.

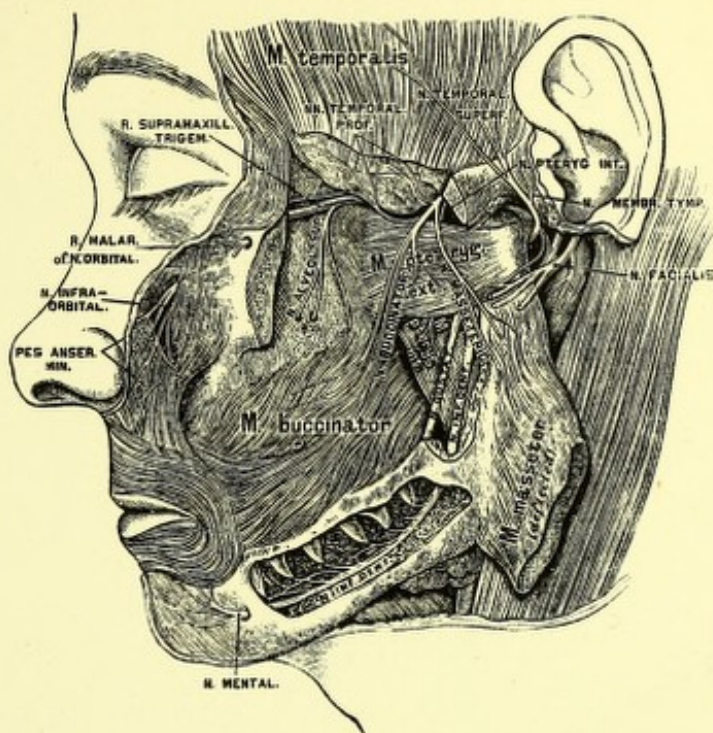


Posterior surface of Pharynx.

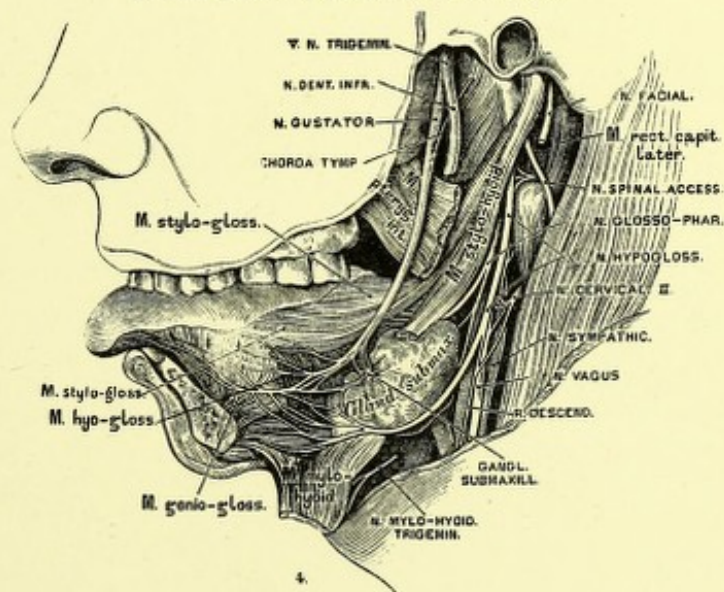


Antero-posterior vertical section through left Tympanum.

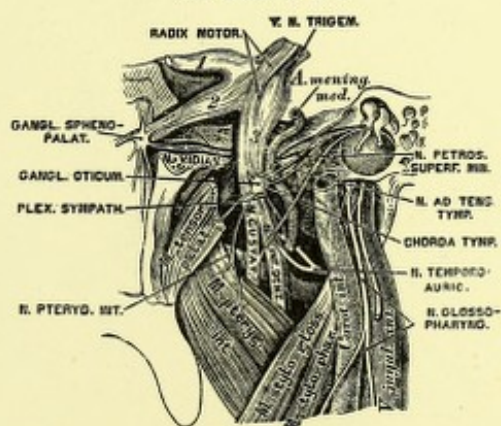
INFERIOR MAXILLARY NERVE



LINGUAL NERVE AND SUB-MAXILLARY GLAND.

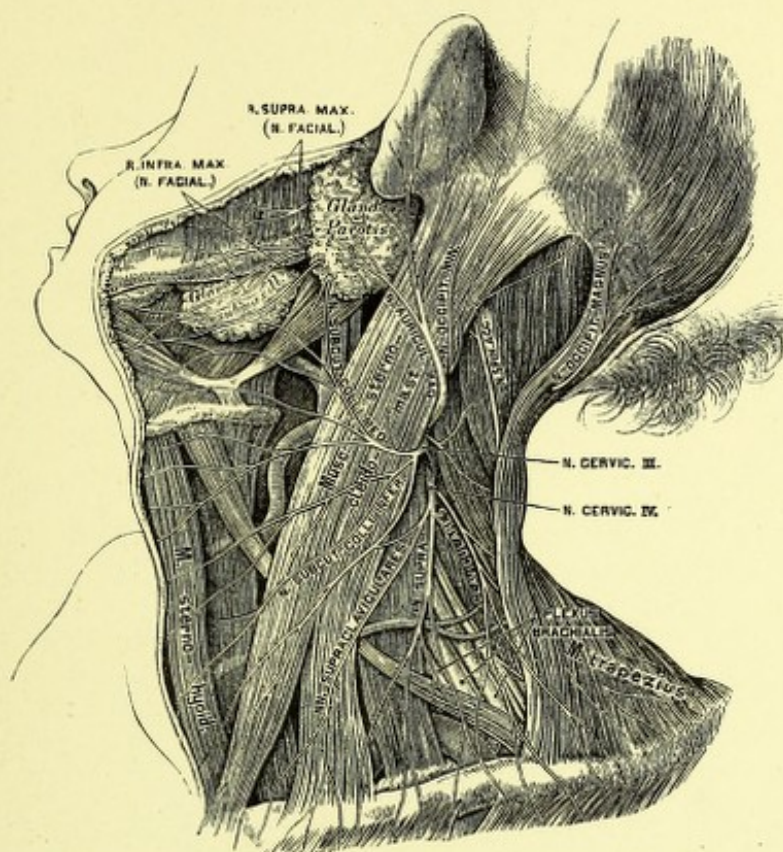


OTIC GANGLION ETC.



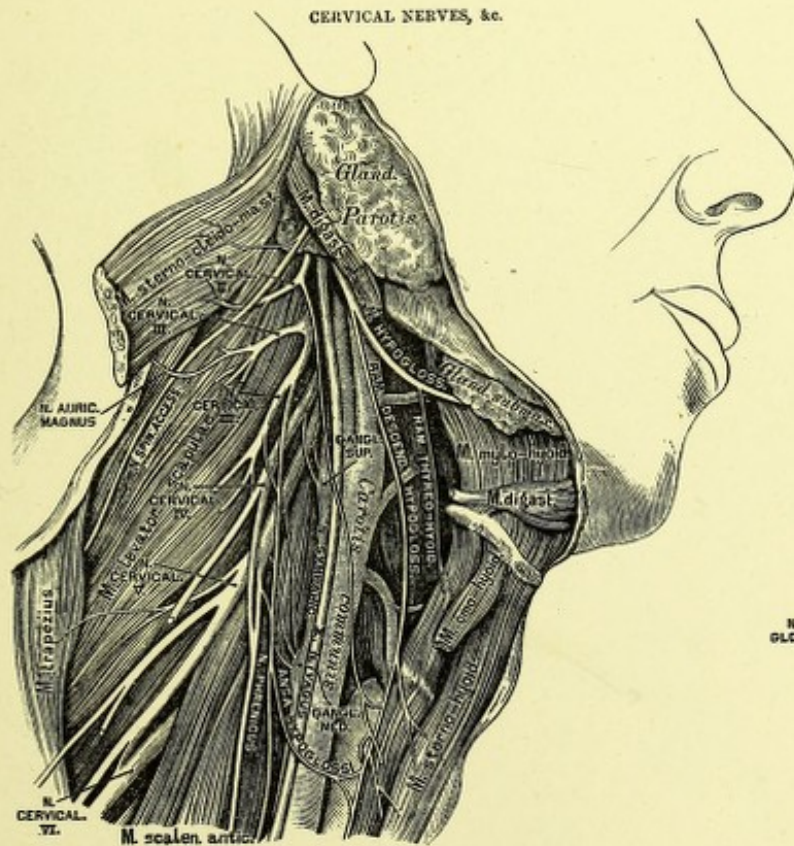
6. Internal view right side.

CERVICAL NERVES, &c.



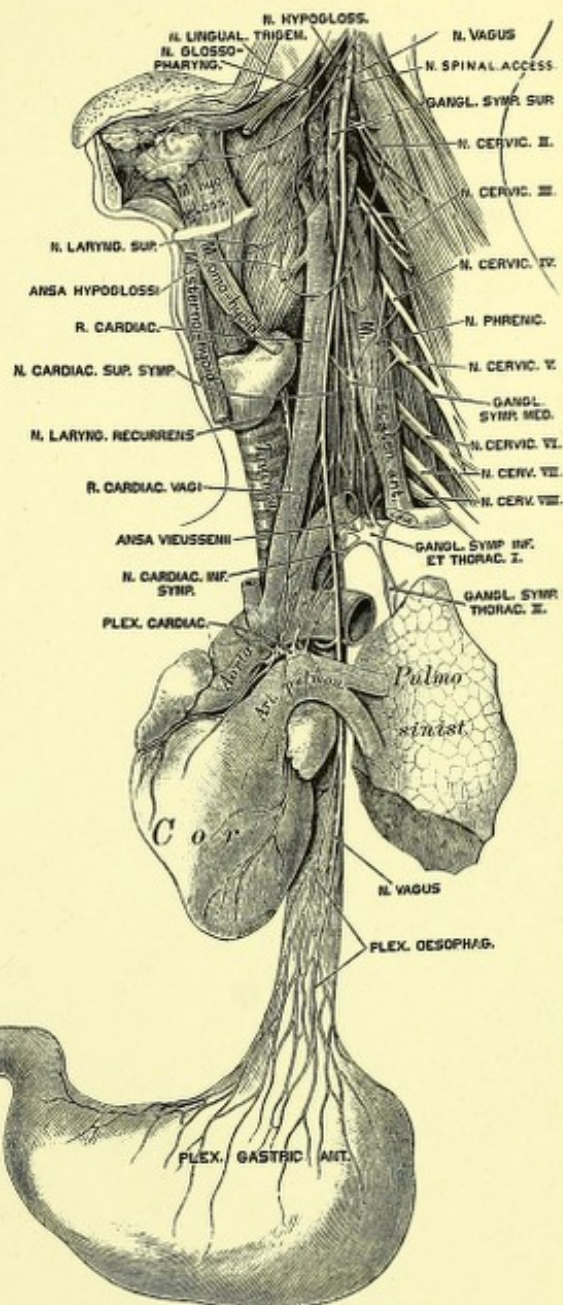
1. Superficial Dissection.

CERVICAL NERVES, &c.



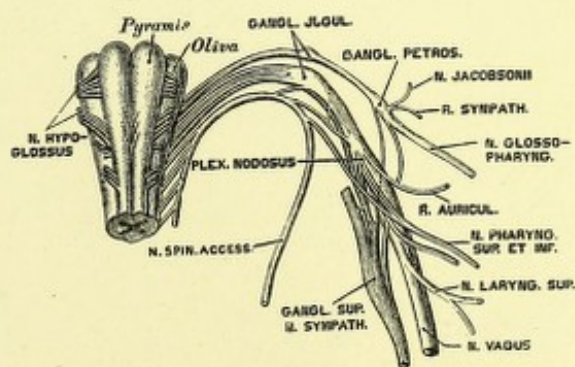
2. Deep Dissection.

PNEUMOGASTRIC NERVE & C.



3.

EIGHTH NERVE



Ganglia & Communications of Commencement.

LOWER END OF SPINAL CORD. (Arnold.)

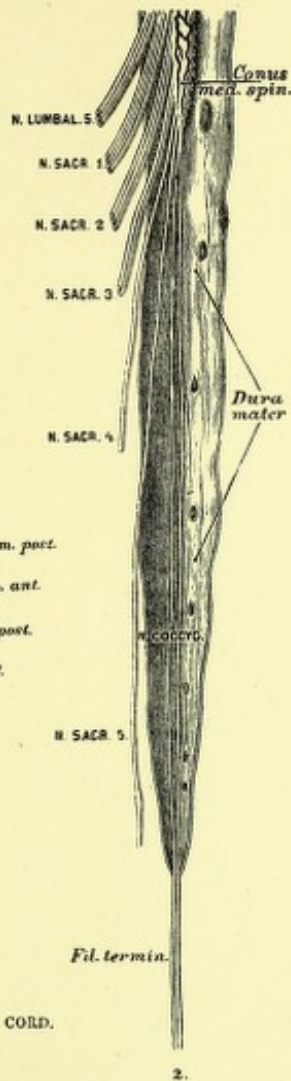
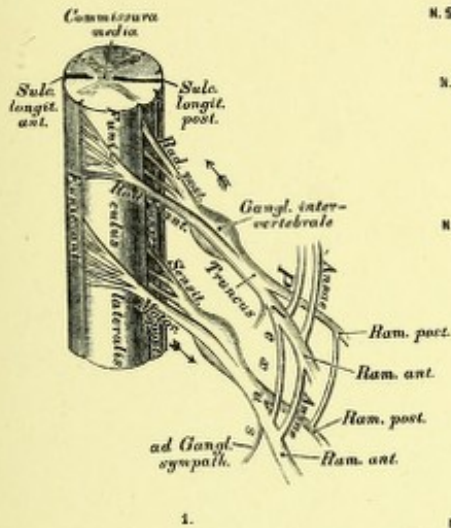


DIAGRAM OF ORIGIN OF SPINAL NERVES.



MEMBRANES OF THE SPINAL CORD.

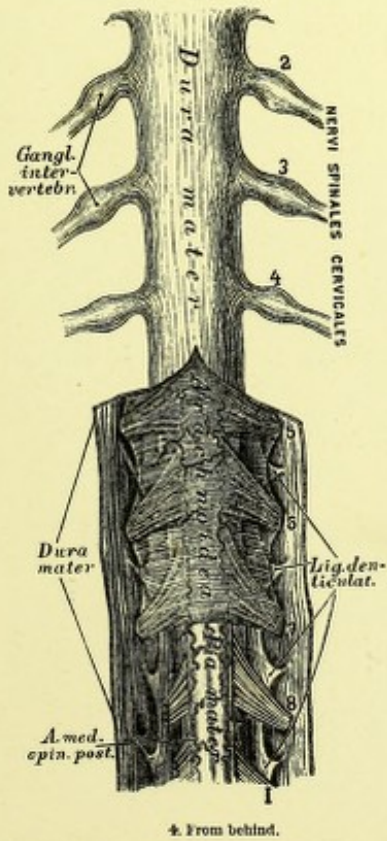
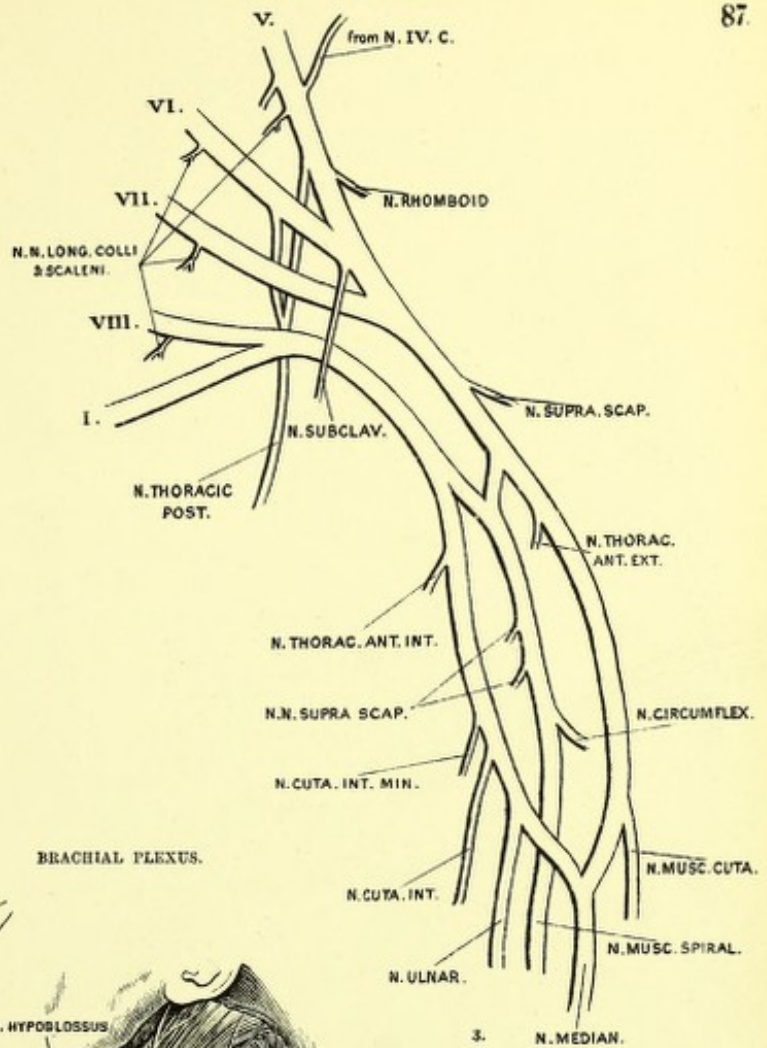
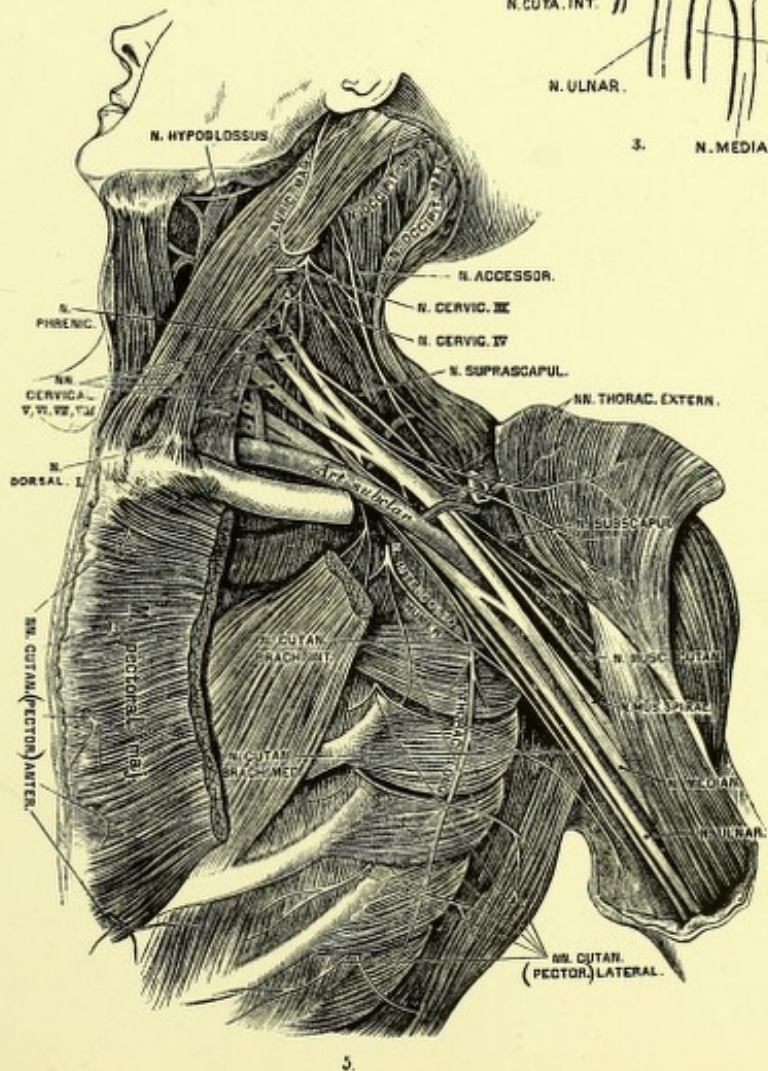
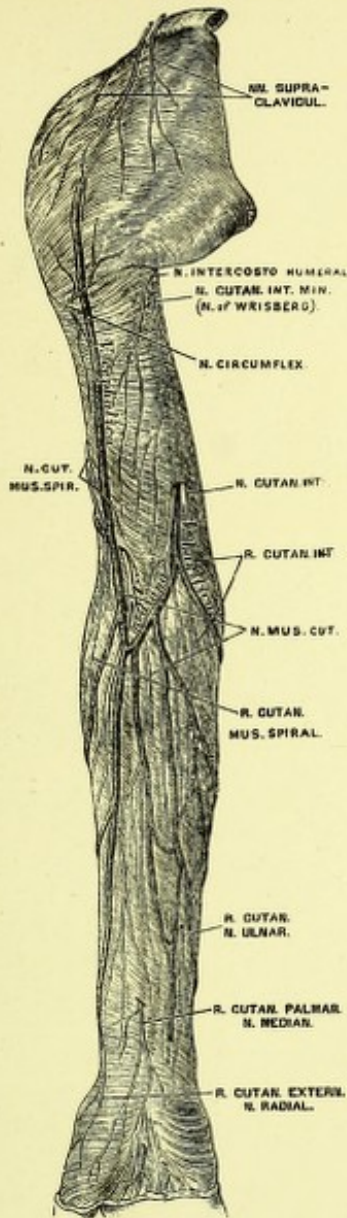


DIAGRAM OF BRACHIAL PLEXUS.

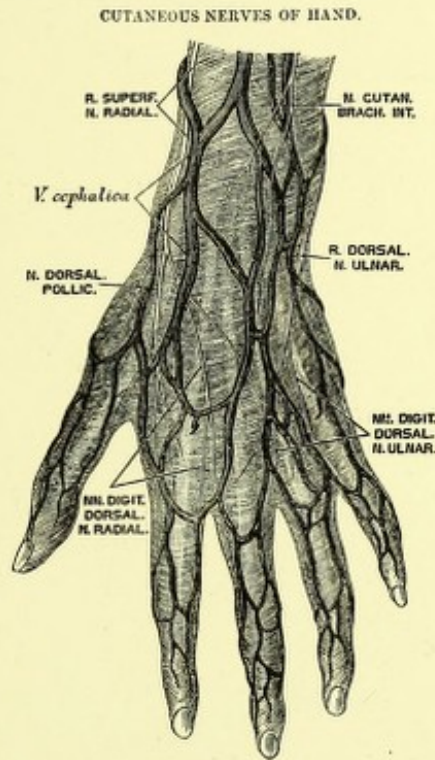


BRACHIAL PLEXUS.

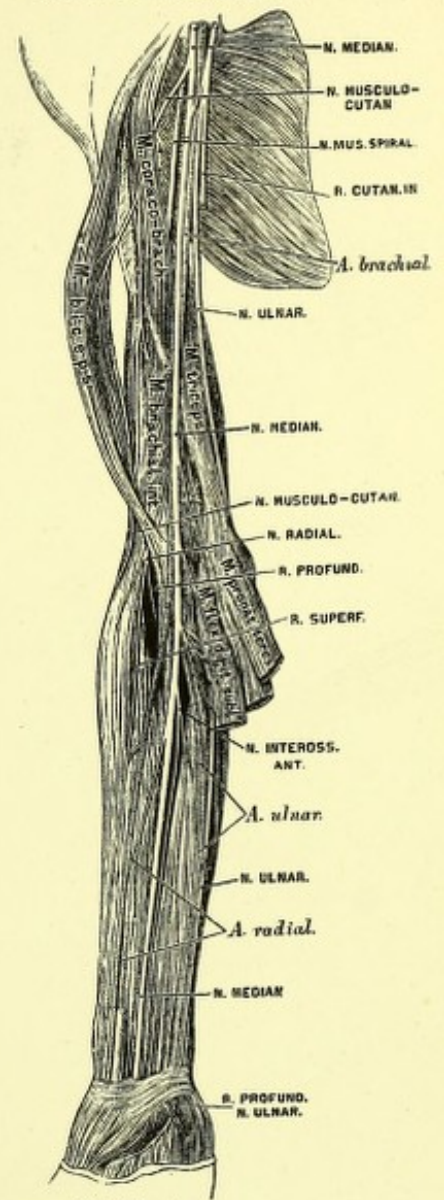




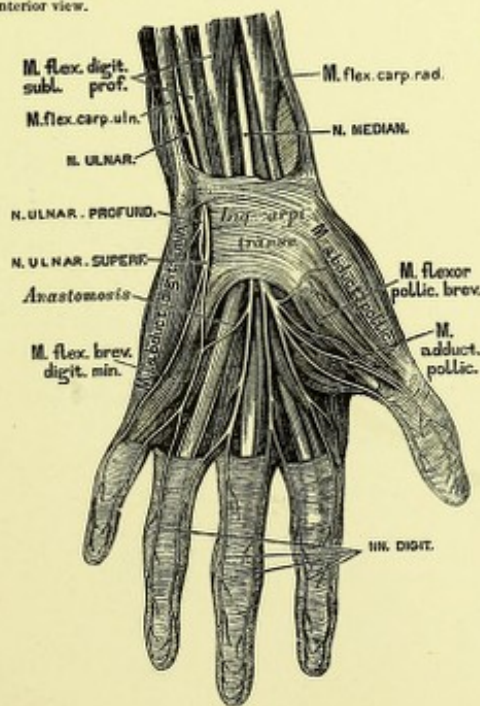
1. Anterior view.



3. Dorsal view.

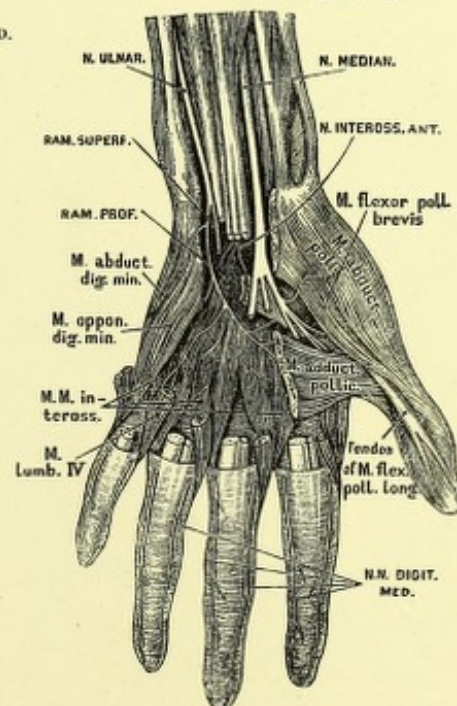


2. Anterior view.



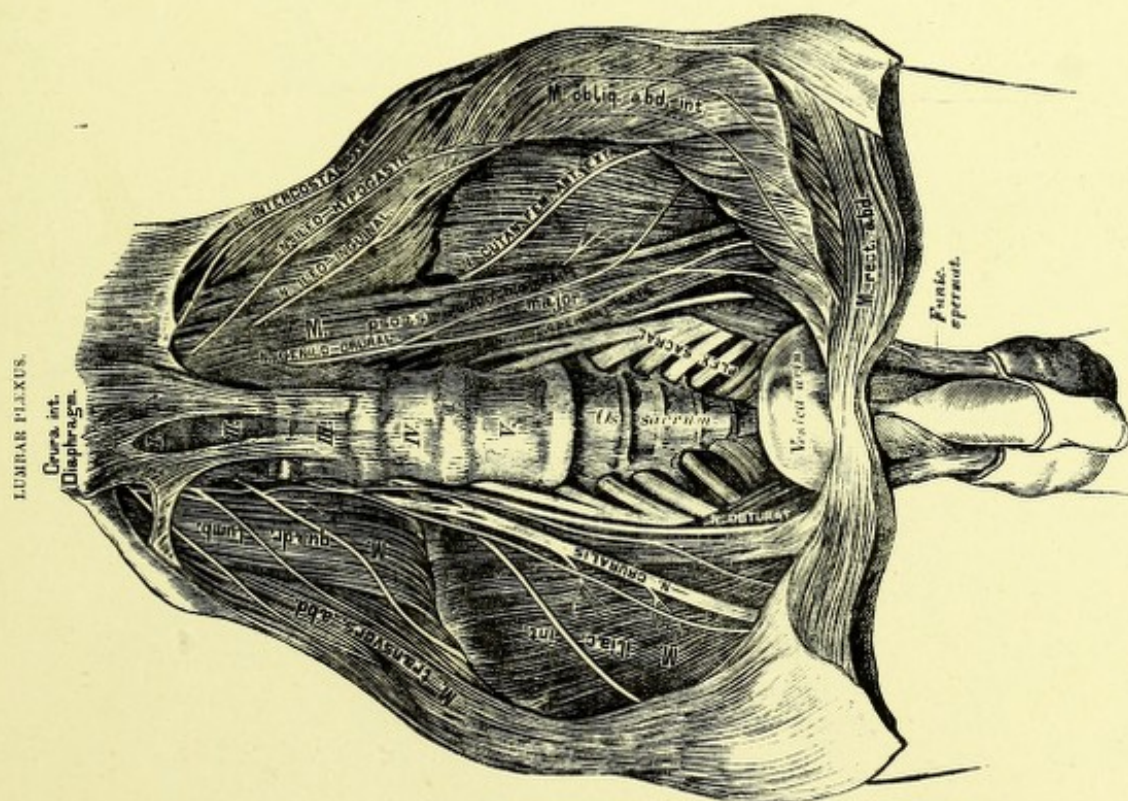
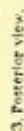
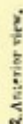
4.

NERVES OF HAND.

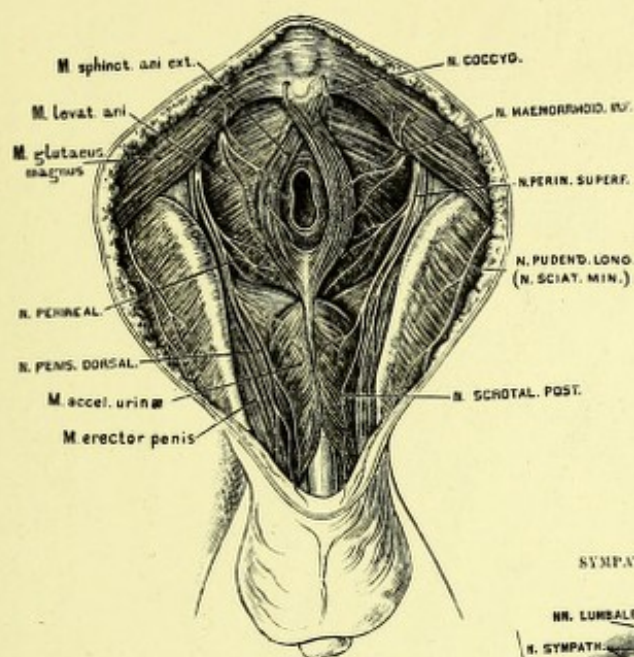


5.

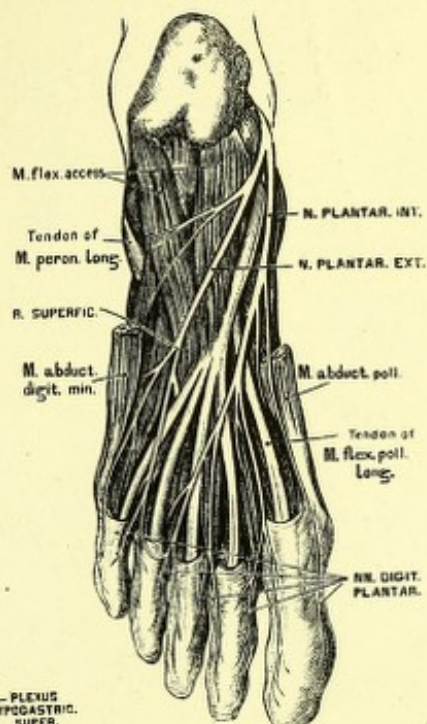
Palmar view.



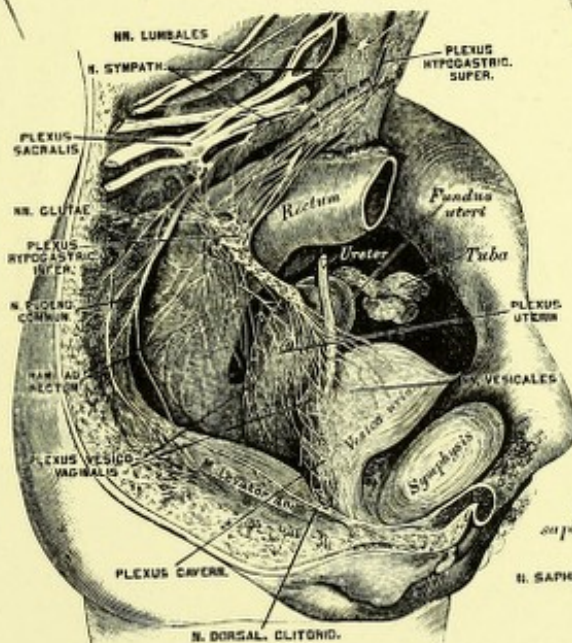
NERVES OF PERINEUM. (Plexus Pudendalis.)



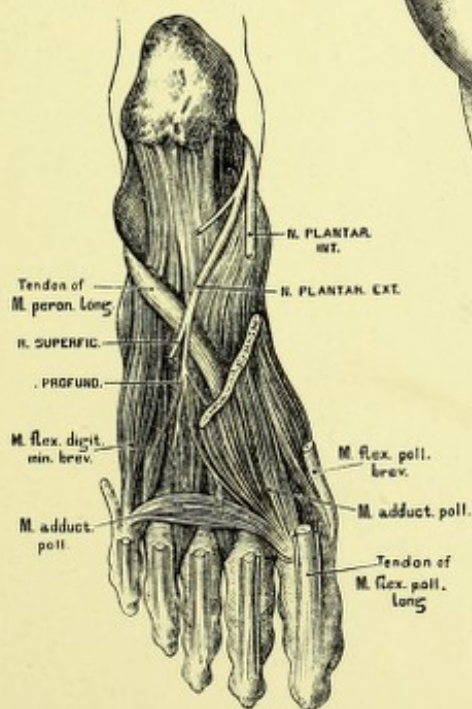
PLANTAR NERVES



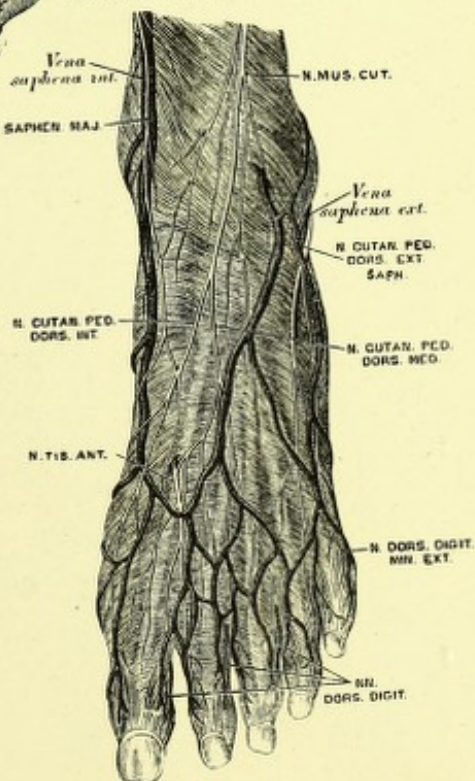
SYMPATHETIC NERVES OF PELVIS.

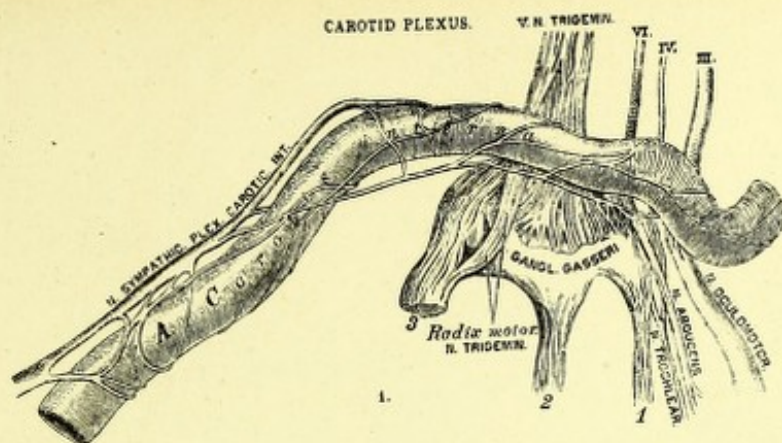


PLANTAR NERVES.

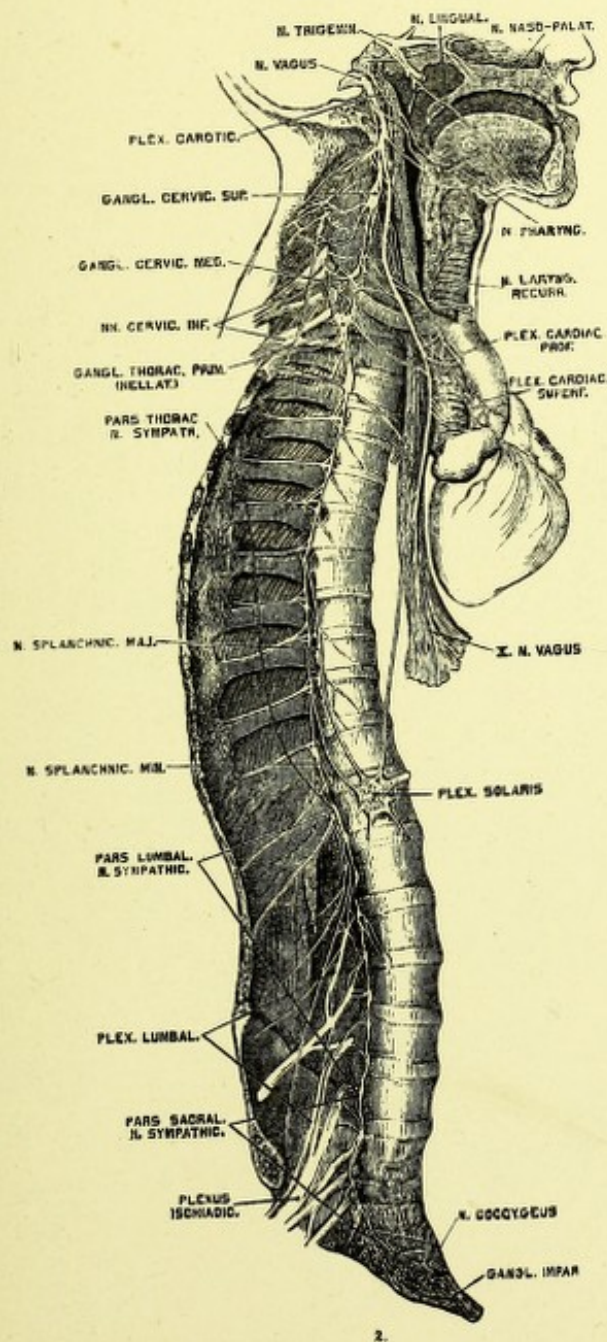


CUTANEOUS NERVES OF FOOT.

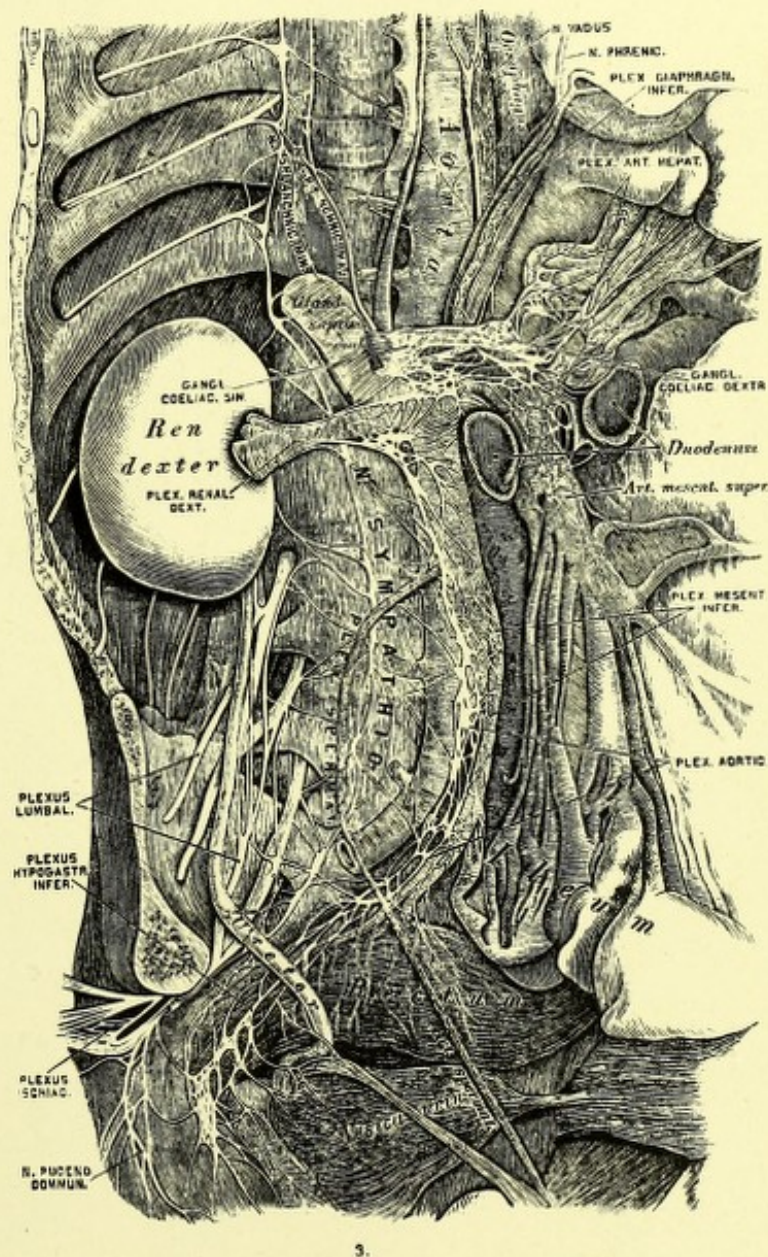




SYMPATHETIC NERVOUS SYSTEM.



SYMPATHETIC NERVES OF ABDOMEN.



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