

MAP OF LOCATION OF
HEAD AND NECK
PROSECTIONS 2021

SINKS

282
279



291

77
75



16
76

MODELS
Island



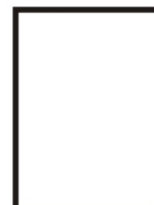
281
274

13
283



273
287

267
312



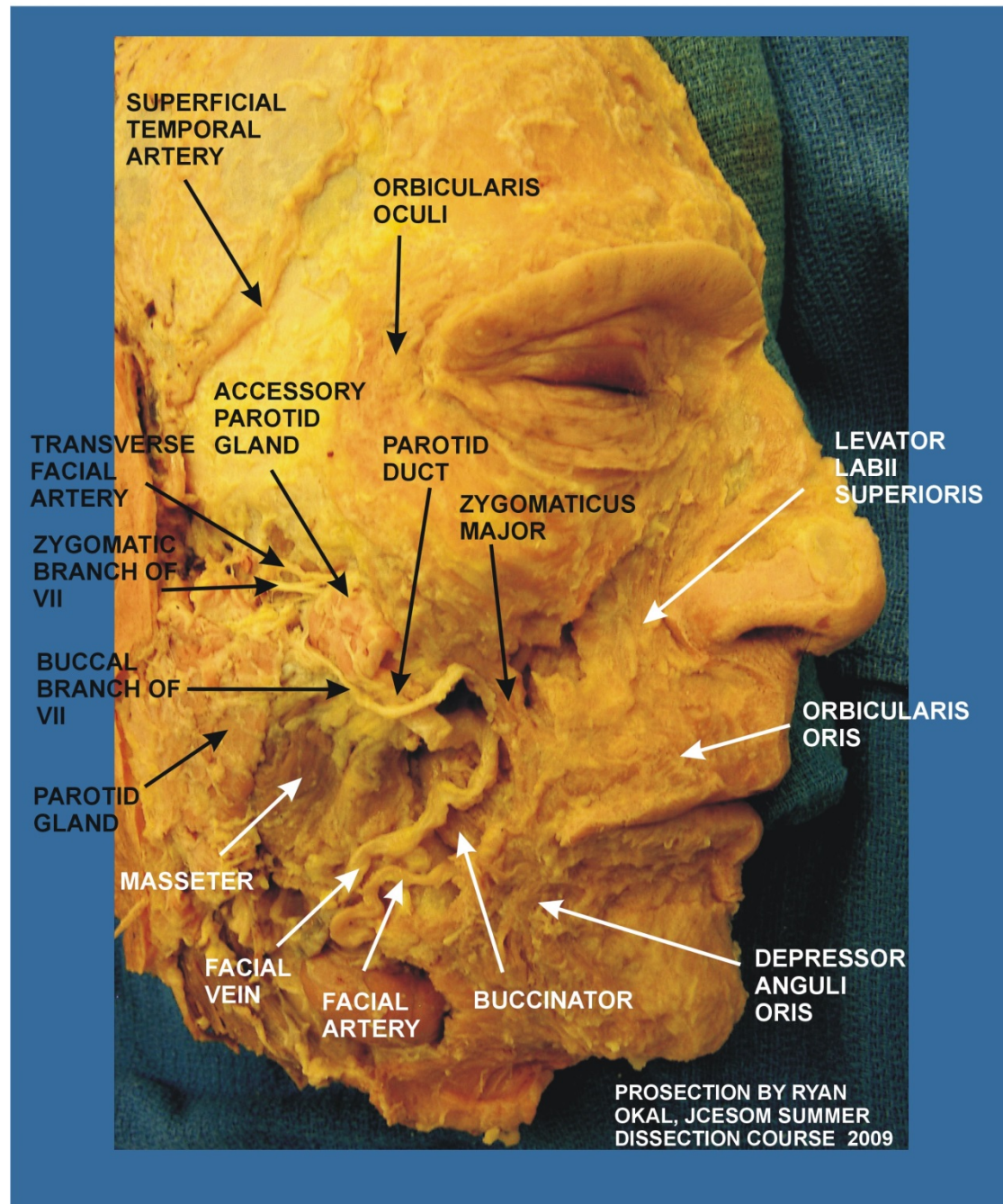
286

HEAD AND NECK PROSECTIONS 2021

FACIAL MUSCLES

312

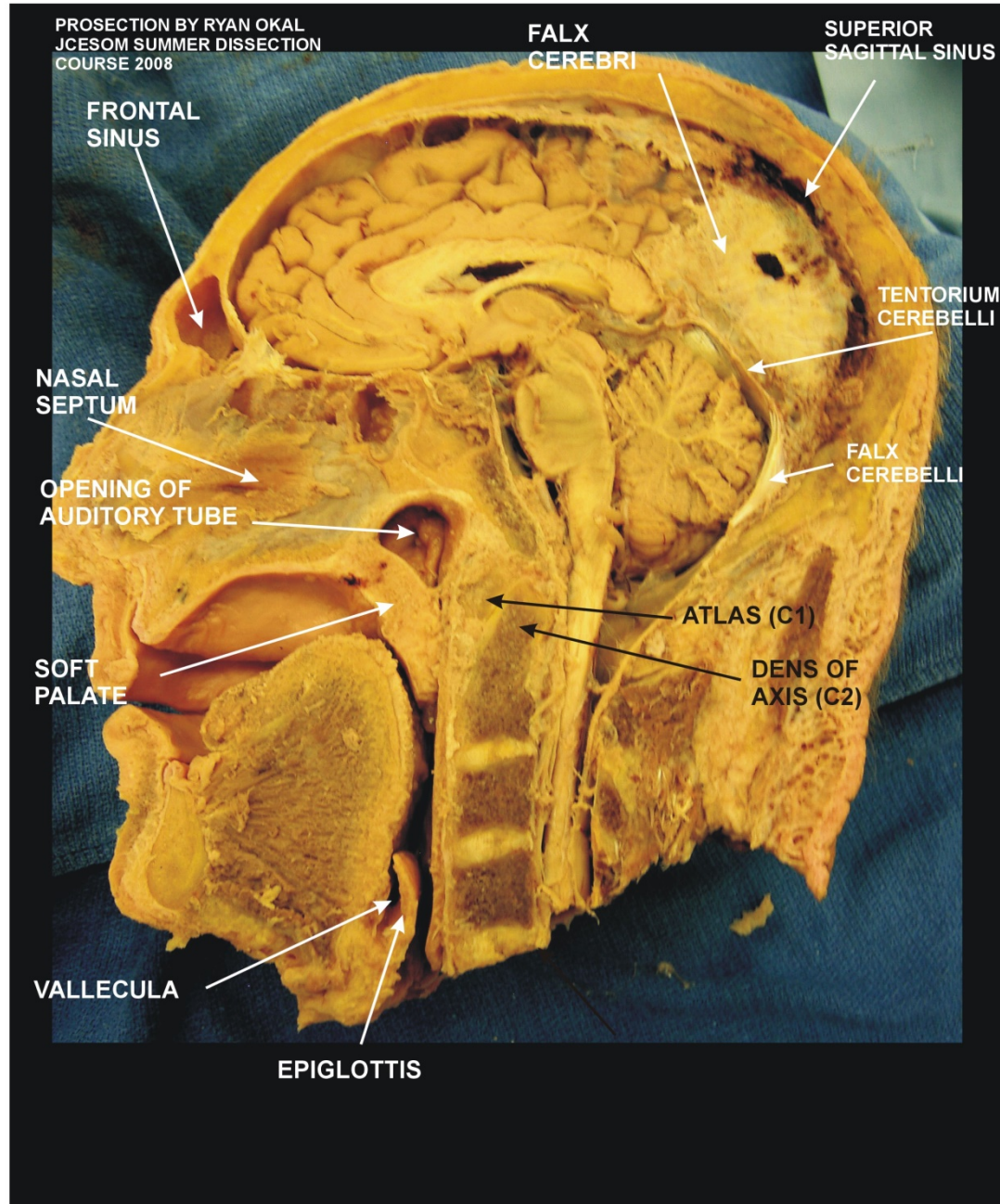
312



MEDIAL VIEW OF BIASECTED HEAD

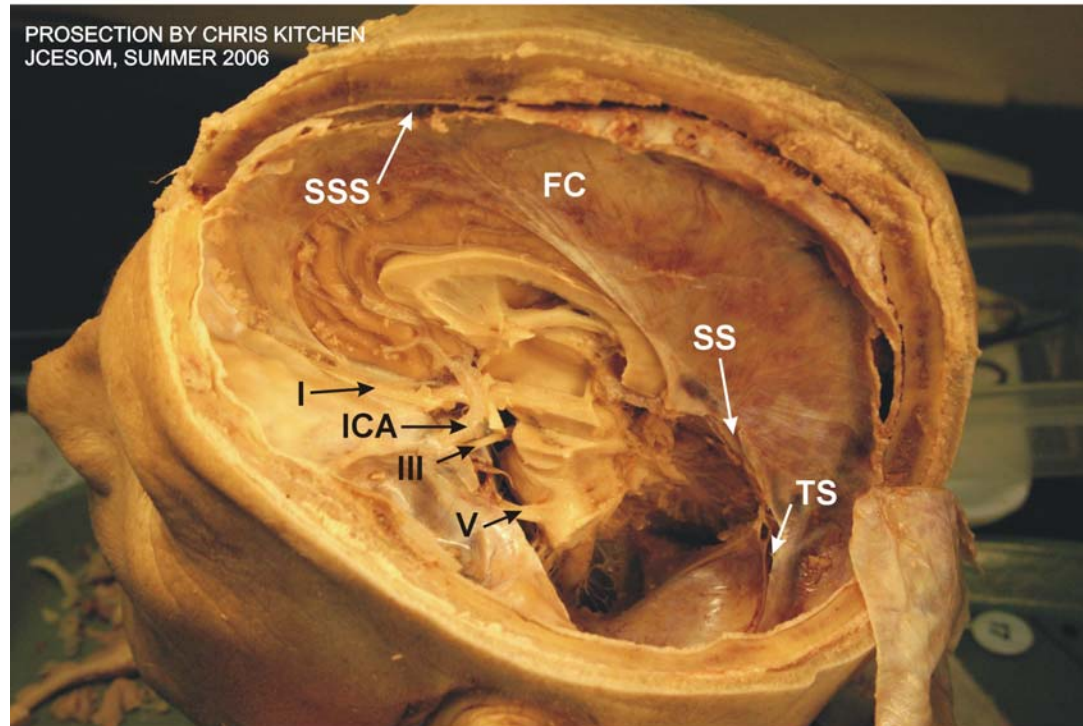
312

312



BRAIN (HEMISECTED) IN CRANIAL CAVITY

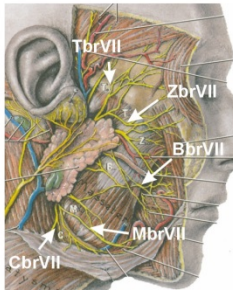
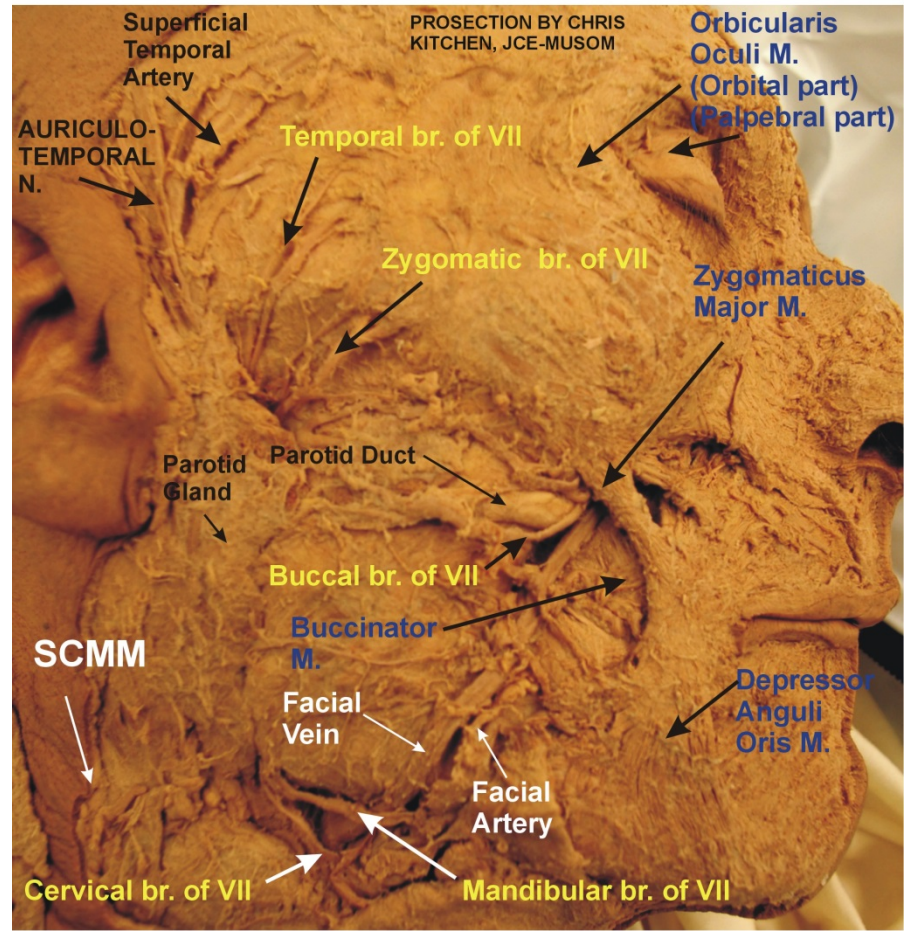
267



- I - OLFACTORY TRACT
- ICA - INTERNAL CAROTID ARTERY
- III - OCULOMOTOR NERVE
- V - TRIGEMINAL NERVE
- SSS - SUPERIOR SAGITTAL SINUS
- FC - FALX CEREBRI
- SS - STRAIGHT SINUS
- TS - TRANSVERSE SINUS

BRANCHES OF FACIAL NERVE (VII) AND SUPERFICIAL FACE

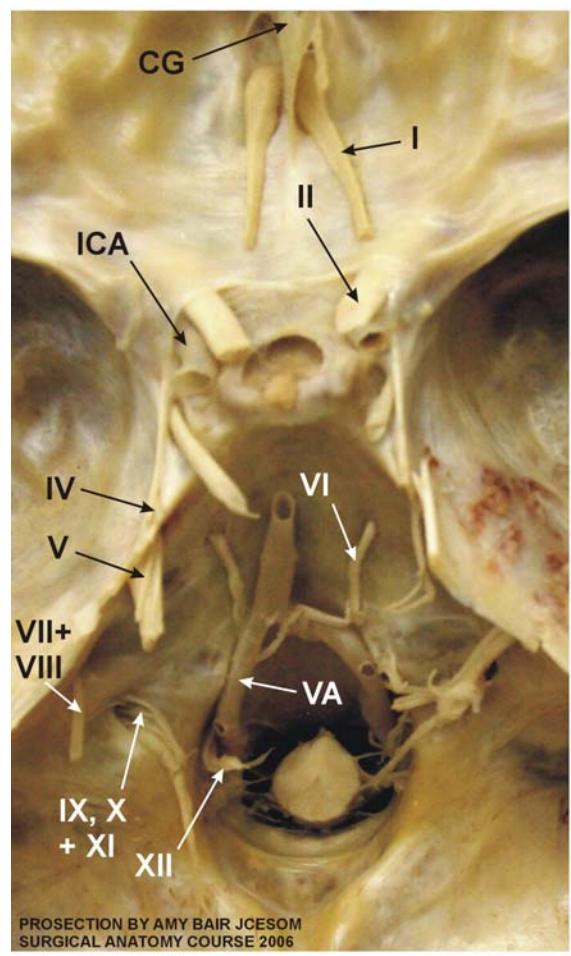
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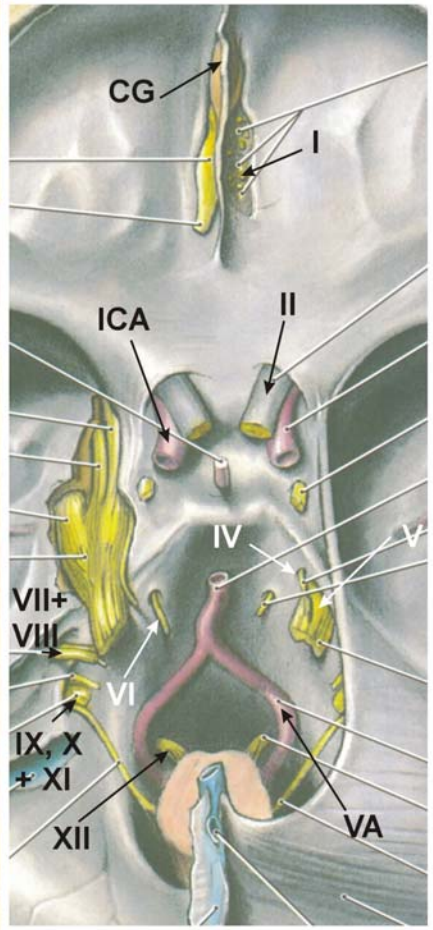
- Superficial Temporal Atery
- Auriculotemporal Nerve
- TbrVII - Temporal branch of VII
- ZbrVII - Zygomatic branch of VII
- BbrVII - Buccal branch of VII
- MbrVII - Mandibular branch of VII
- CbrVII - Cervical branch of VII
- Orbicularis oculi (orbital part)
- Zygomaticus major
- Levator Labi Superioris
- Depressor Anguli Oris
- Buccinator Muscle
- Facial Vein
- Facial Artery
- Parotid Gland
- Parotid Duct
- Sternocleido-mastoid M.

CRANIAL NERVES

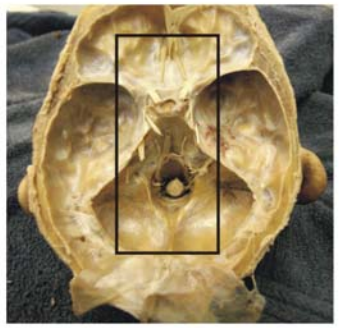
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PROSECTON BY AMY BAIR JCESOM SURGICAL ANATOMY COURSE 2006



YOU ARE HERE



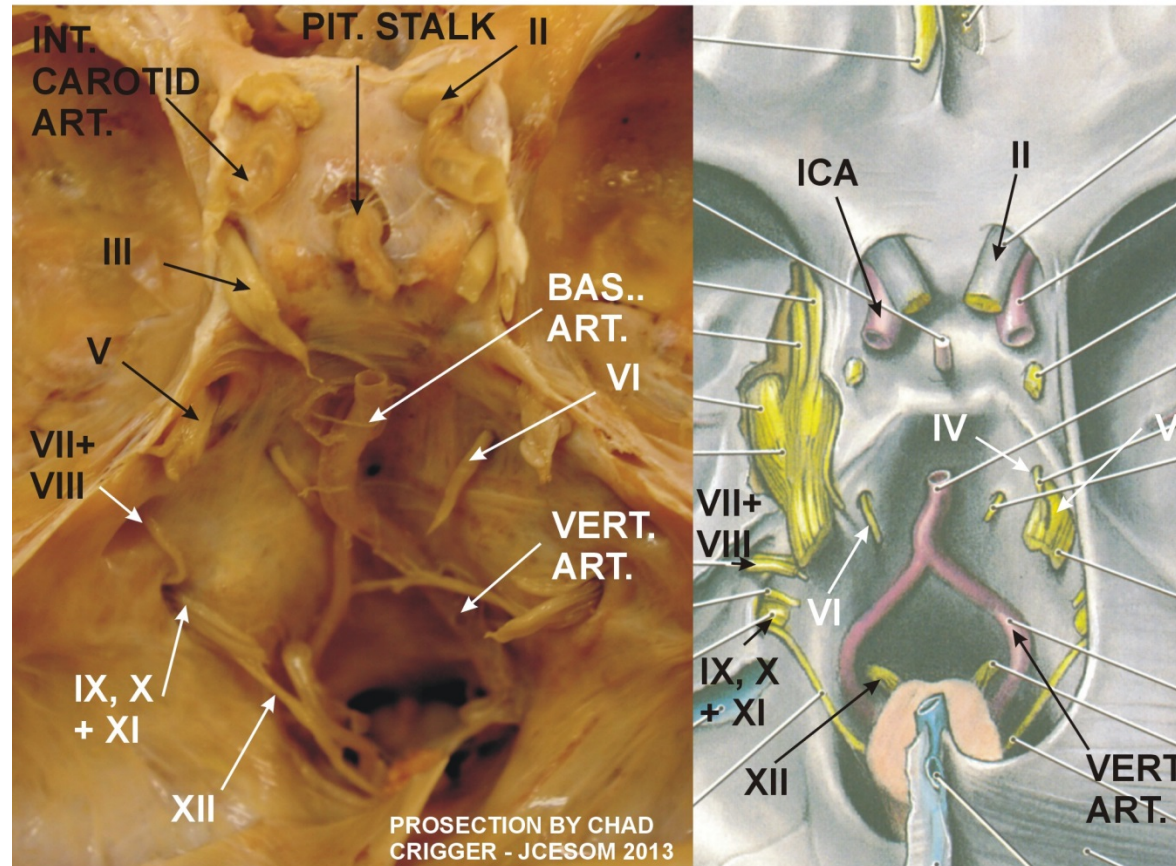
- I - Olfactory Tract
- IV - Trochlear Nerve
- VA - Vertebral Artery
- CG - Crista Galli
- VII - Facial Nerve
- VIII - Vestibulo-cochlear Nerve
- IX - Glosso-pharyngeal Nerve
- X - Vagus
- XI - Accessory
- XII - Hypoglossal

- ICA - Internal Carotid Artery
- II - Optic Nerve
- V - Trigeminal
- VI - Abducens

CRANIAL NERVES

13

13



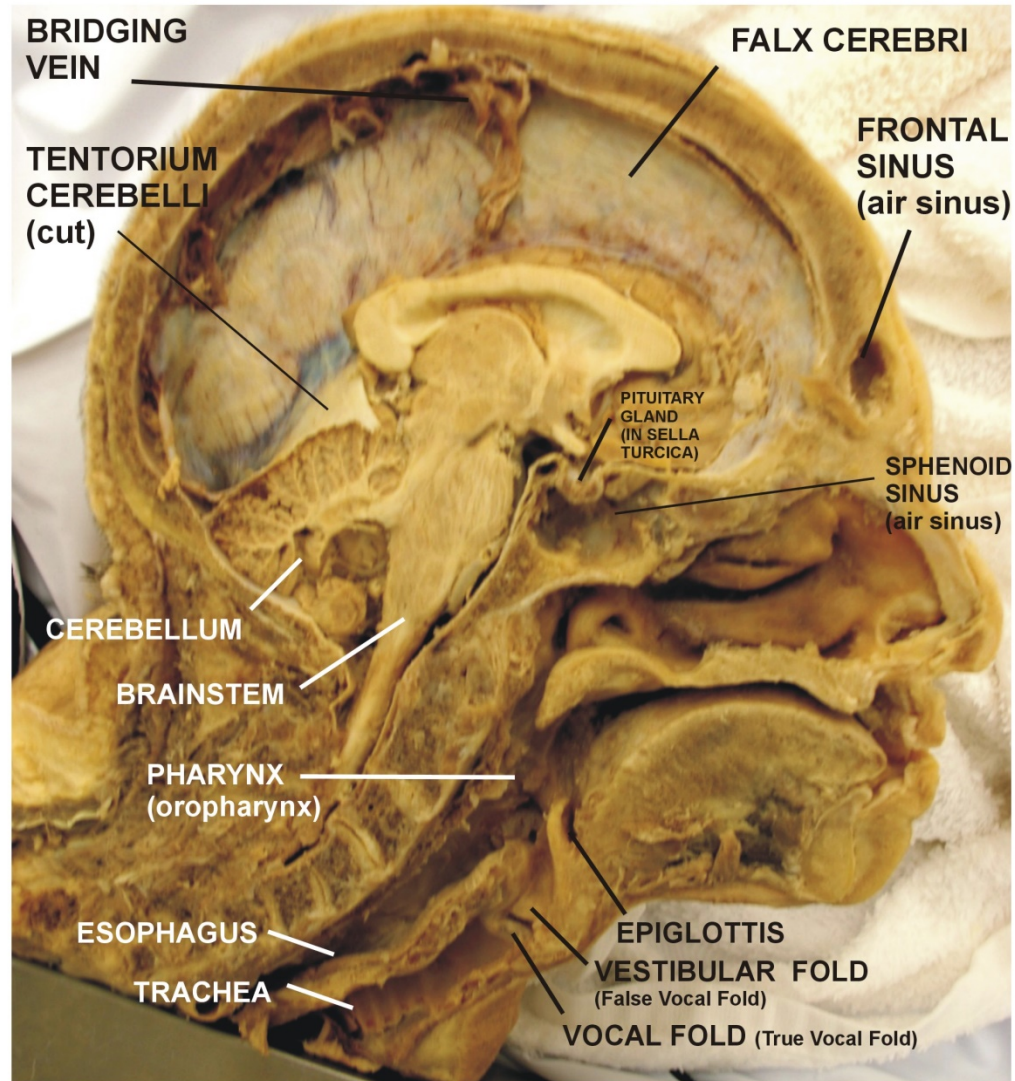
VERT. ART. - Vertebral Artery
VII - Facial Nerve
VIII - Vestibulocochlear Nerve
IX - Glossopharyngeal Nerve
X - Vagus
XI - Accessory
XII - Hypoglossal

INT. CAROTID ART. - Internal Carotid Artery
BAS. ART. - Basilar Artery
II - Optic Nerve
V - Trigeminal
VI - Abducens

BISECTED HEAD WITH INTACT FALX CEREBRI

75

75

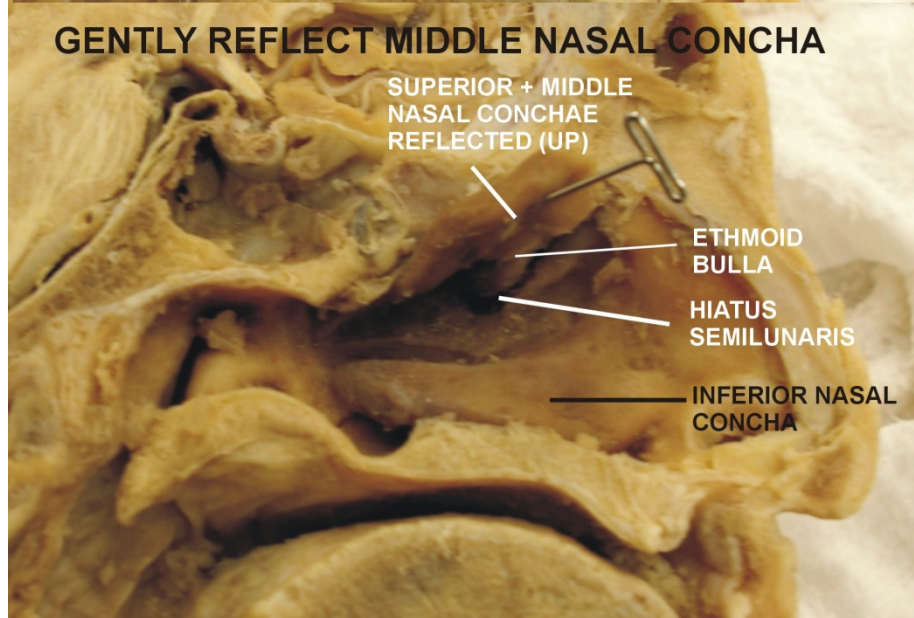
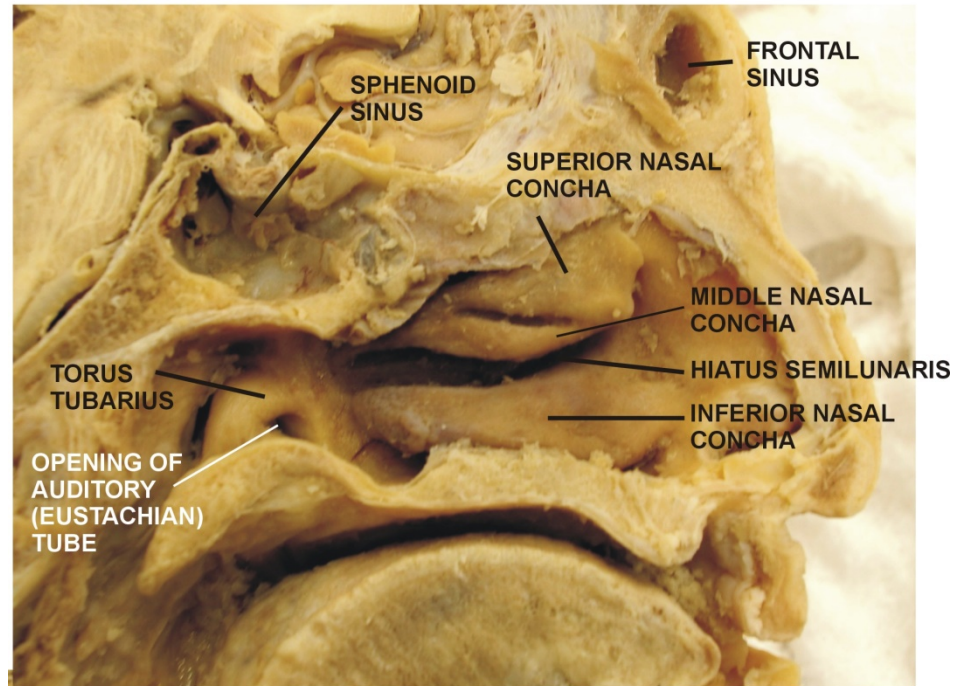


Note: Bridging Vein - cut when brain removed but still attached and entering Sup. Sagittal Sinus

BISECTED HEAD: NASAL CAVITY

75

75

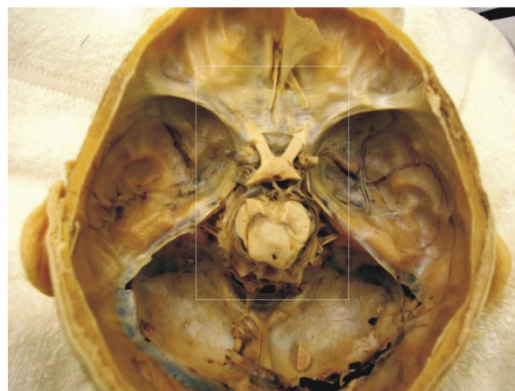


BRAINSTEM IN CRANIAL CAVITY

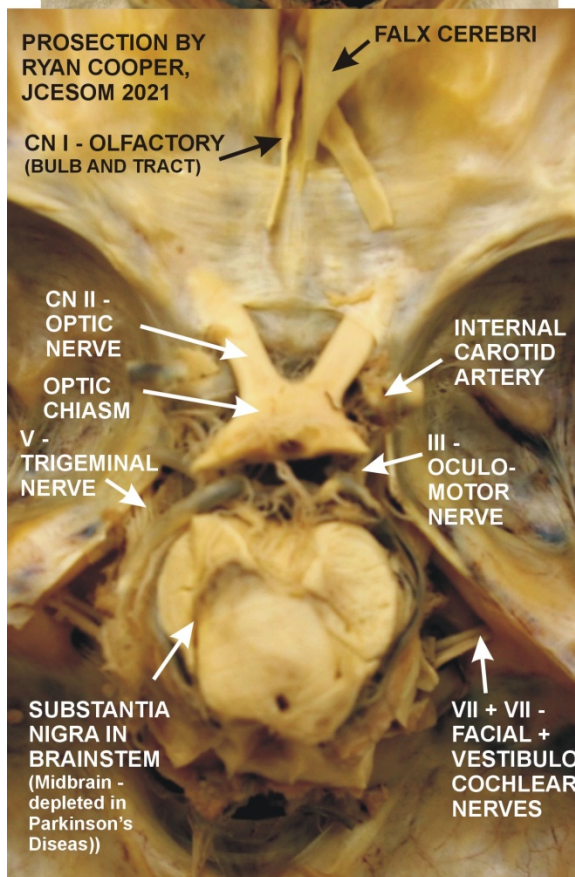
77

77

77 Ryan
Cranial Nerves



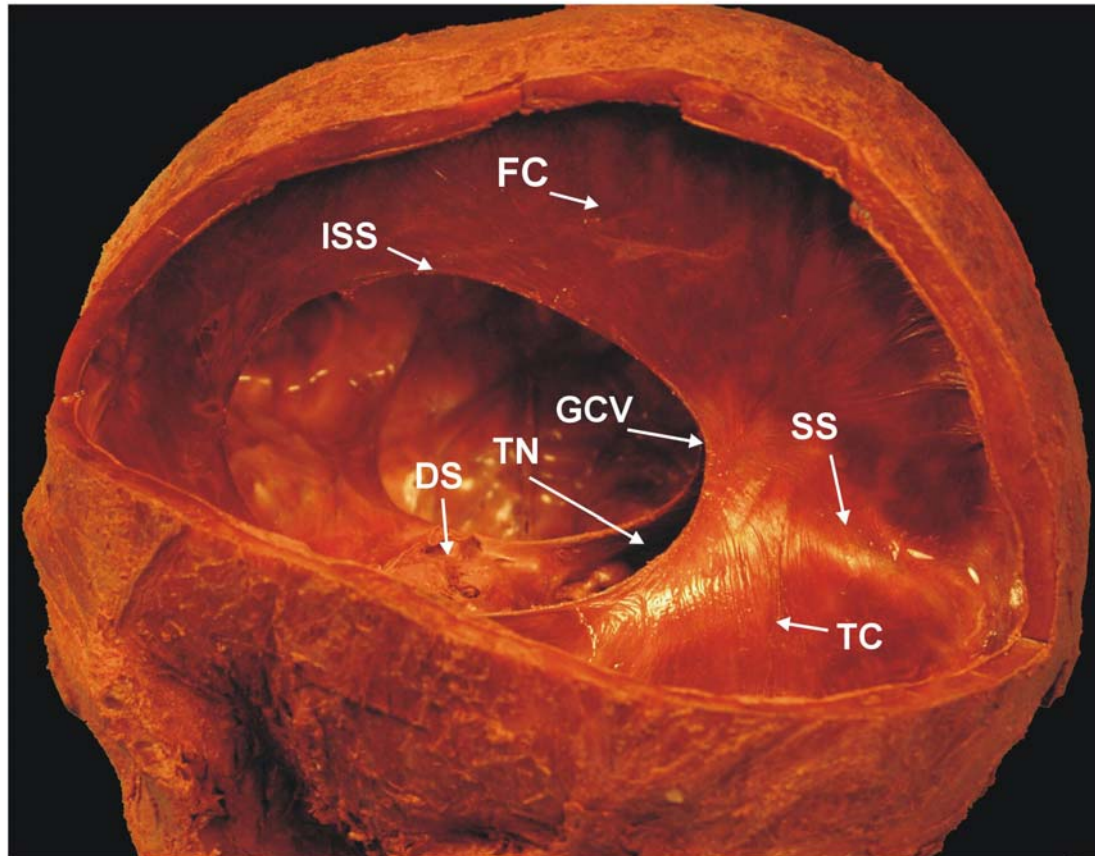
ORIENT: CALVARIUM,
BRAIN REMOVED;
BRAINSTEM,
EXPOSED IN
CRANIAL CAVITY



NOTE:
PLEASE
TREAT
THIS
PROSECTION
GENTLY;
DO NOT
PULL ON
BRAINSTEM

DURAL REFLECTIONS AND VENOUS SINUSES

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FC - FALX CEREBRI

TC - TENTORIUM CEREBELLI

ISS - LOCATION OF INFERIOR SAGITTAL SINUS

SS - LOCATION OF STRAIGHT SINUS

GCV - OPENING OF GREAT CEREBRAL VEIN OF GALEN

DS - DIAPHRAGMA SELLA

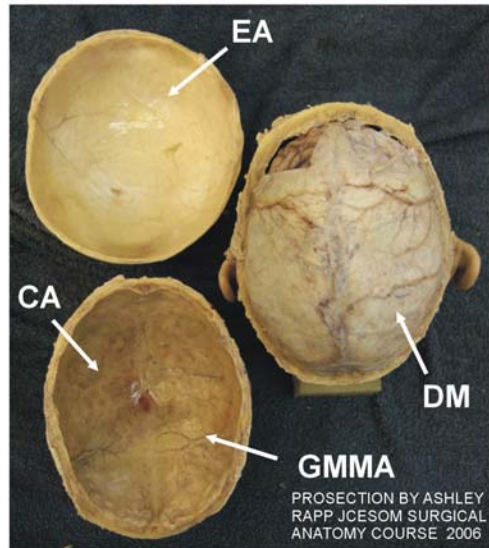
TN - TENTORIAL NOTCH

SCALP, CALVARIUM AND DURA MATER

282

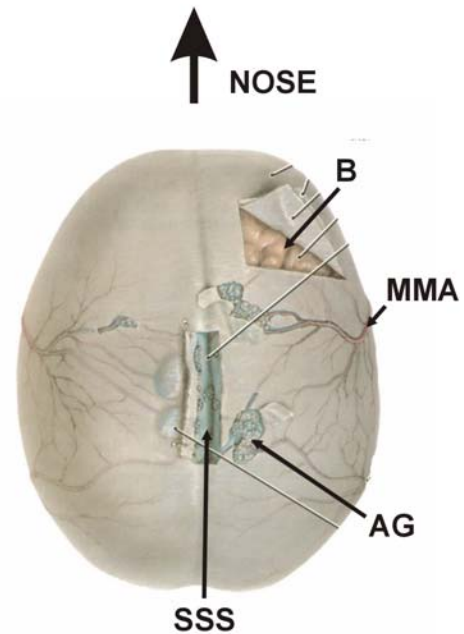
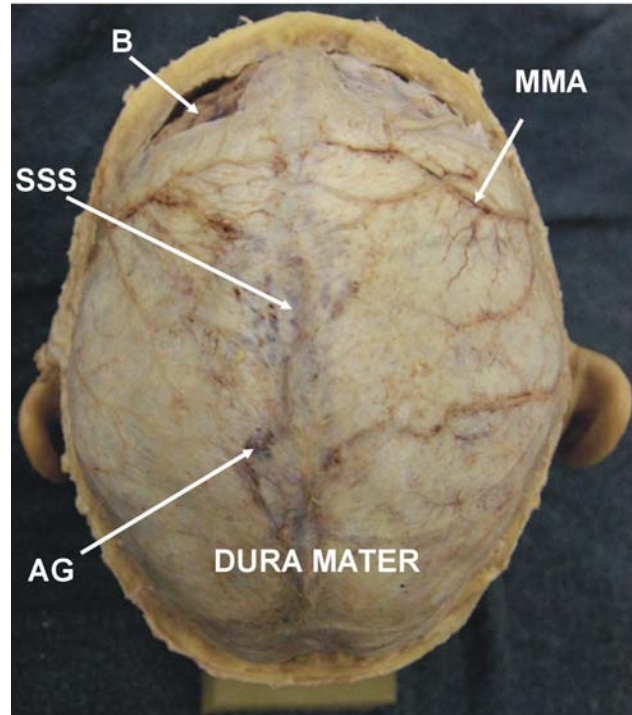
INNER SIDE OF CALVARIUM AND SCALP

282



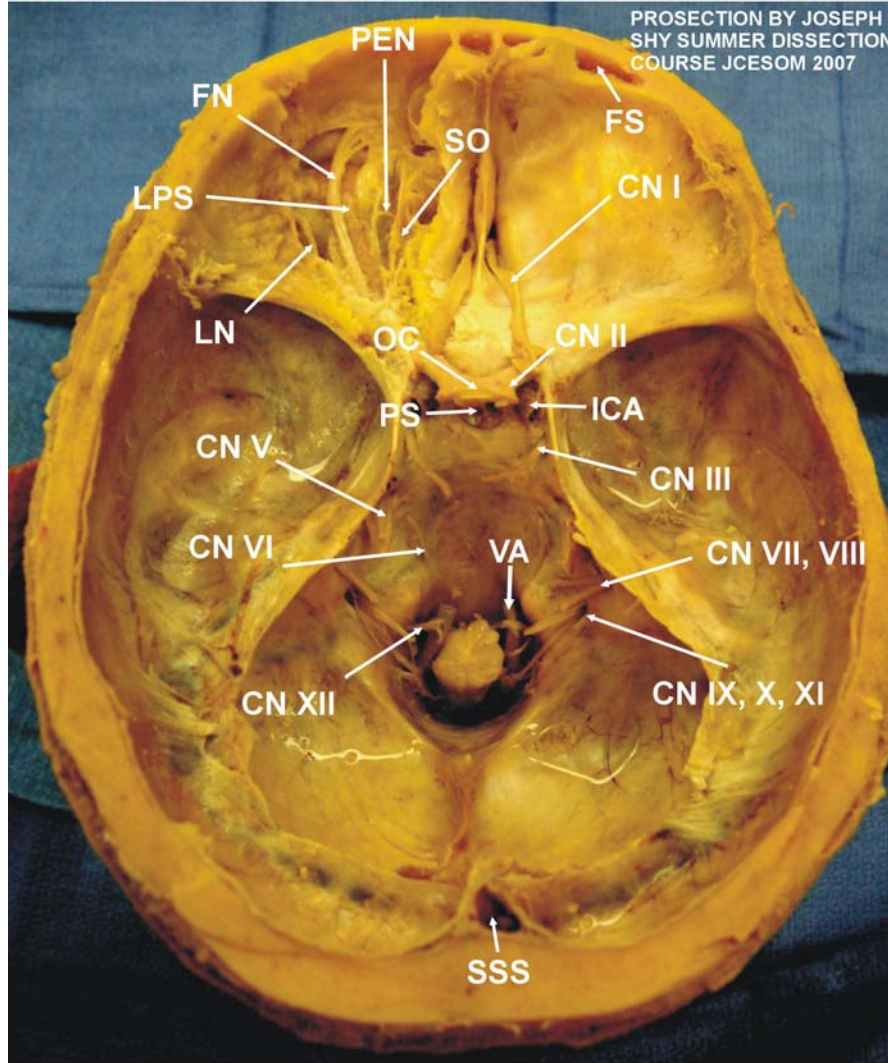
- EA - EPICRANIAL APONEUROSIS (ON INNER SIDE OF SCALP)
- CA - CALVARIUM WITH DURA MATER REMOVED
- GMMA - GROOVE FOR MIDDLE MENINGEAL ARTERY
- DM - DURA MATER
- B - BRAIN
- SSS - SUPERIOR SAGITAL SINUS
- AG - ARACHNOID GRANULATION
- MMA - MIDDLE MENINGEAL ARTERY

DURA MATER AT HIGH MAG



CRANIAL NERVES AND SUPERFICIAL ORBIT

286



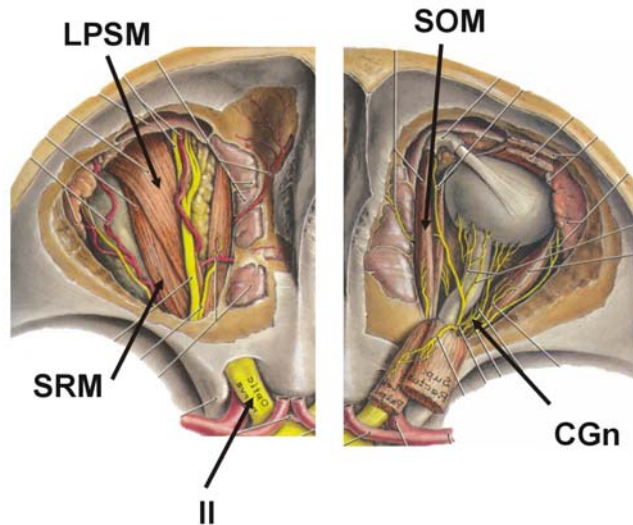
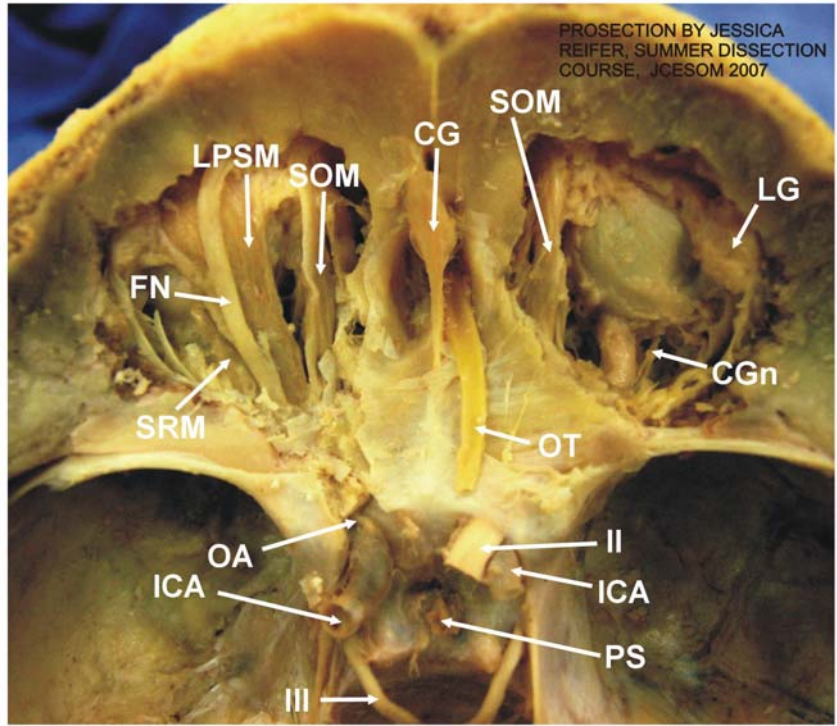
PROSECTION BY JOSEPH SHY SUMMER DISSECTION COURSE JCESOM 2007

- | | |
|--|---------------------------------|
| SSS - SUPERIOR SAGITTAL SINUS | PS - PITUITARY STALK |
| CN XII - HYPOGLOSSAL NERVE | ICA - INTERNAL CAROTID ARTERY |
| CN IX, X, XI - CRANIAL NERVES 9, 10, 11 | CN II - OPTIC NERVE |
| CN VII, VIII - FACIAL, VESTIBULO-COCHLEAR NERVES | OC - OPTIC CHIASM |
| VA - VERTEBRAL ARTERY | CN I - OLFACTORY NERVE |
| FS - FRONTAL SINUS | SO - SUPERIOR OBLIQUE MUSCLE |
| FN - FRONTAL NERVE | PEN - POSTERIOR ETHMOIDAL NERVE |
| LPS - LEVATOR PALPEBRAE SUPERIORIS MUSCLE | CN III - OCULOMOTOR NERVE |
| LN - LACRIMAL NERVE | CN V - TRIGEMINAL NERVE |
| | CN VI - ABDUCENS NERVE |

ORBIT: SUPERFICIAL AND DEEP DISSECTIONS

287

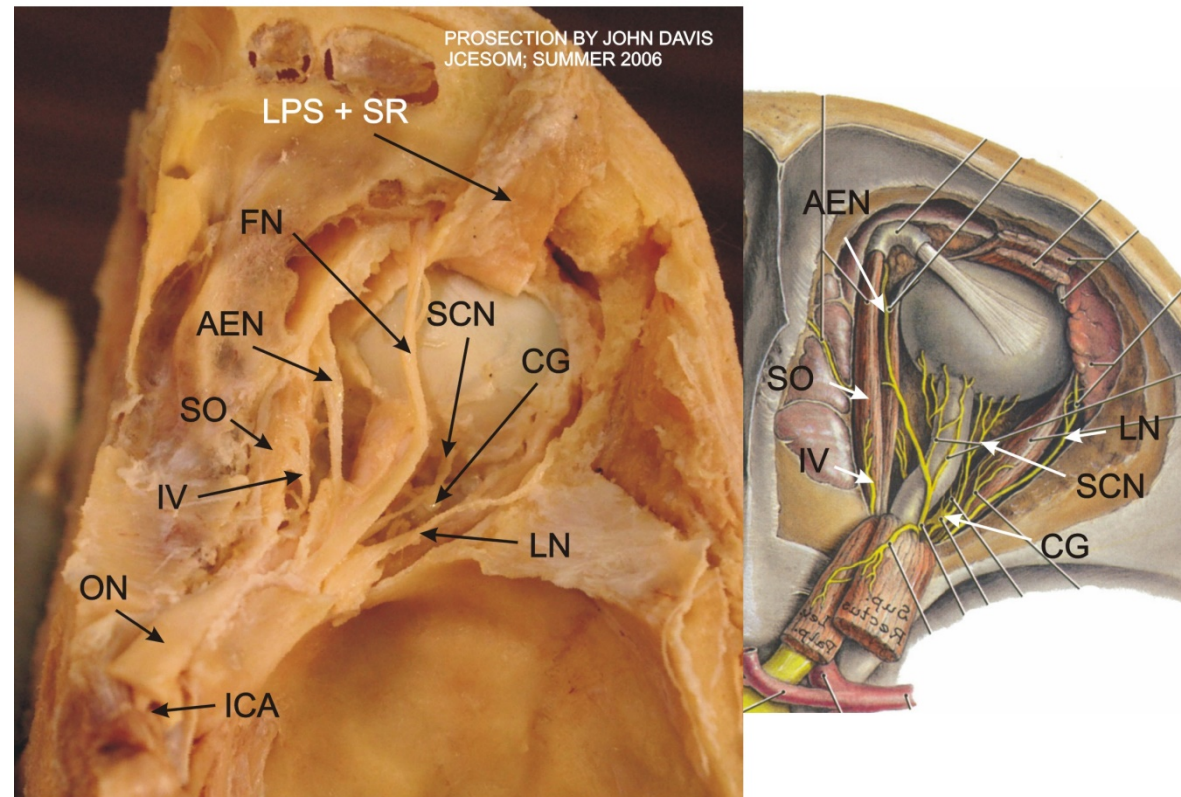
287



- ICA - INTERNAL CAROTID ARTERY
- III - OCULOMOTOR NERVE
- PS - PITUITARY STALK
- II - OPTIC NERVE
- OT - OLFATORY TRACT
- CGn - CILIARY GANGLION
- LG - LACRIMAL GLAND
- CG - CRISTA GALLI
- SOM - SUPERIOR OBLIQUE MUSCLE
- LPSM - LEVATOR PALPEBRAE SUPERIORIS M.
- FN - FRONTAL NERVE
- SRM - SUPERIOR RECTUS MUSCLE
- OA - OPHTHALMIC ARTERY

PROSECTION OF ORBIT - Deep Dissection

273



LPS + SR - LEVATOR PALPEBRAE SUPERIORIS
AND SUPERIOR RECTUS MUSCLES REFLECTED

IV - TROCHLEAR NERVE

SO - SUPERIOR OBLIQUE MUSCLE

AEN - ANTERIOR ETHMOIDAL NERVE

FN - FRONTAL NERVE

CG - CILIARY GANGLION

SCN - SHORT CILIARY NERVES

LN - LACRIMAL NERVE

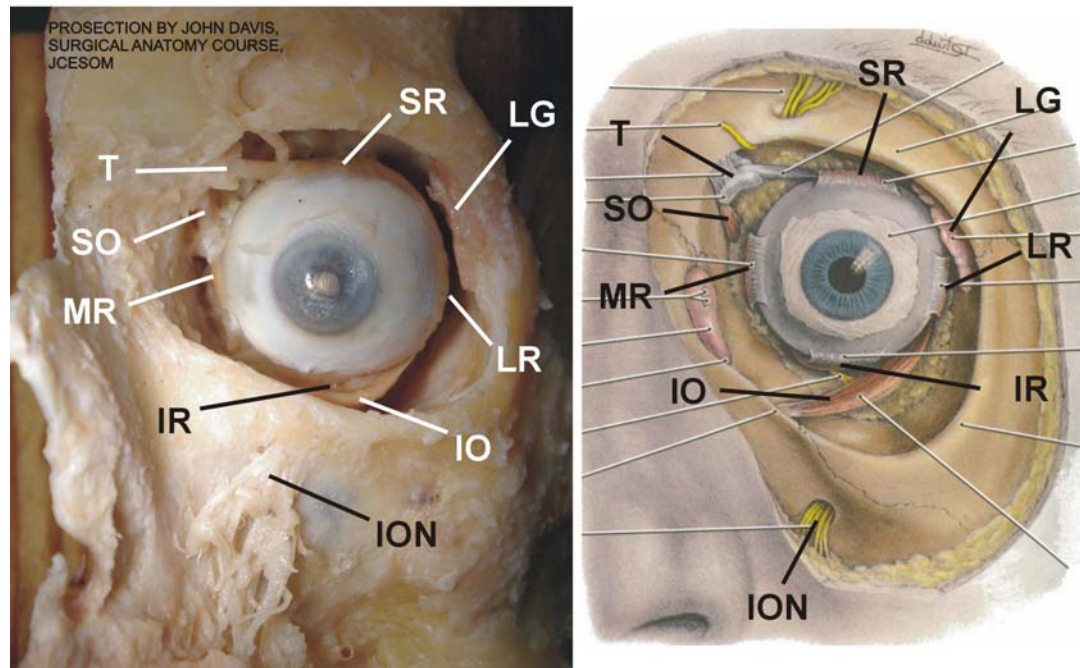
ON - OPTIC NERVE

ICA - INTERNAL CAROTID ARTERY

NOTE:
MANY STRUCTURES
DESSICATED
BUT INTACT
CILIARY GANGLION

PROSECTION OF ORBIT - ANTERIOR VIEW

274

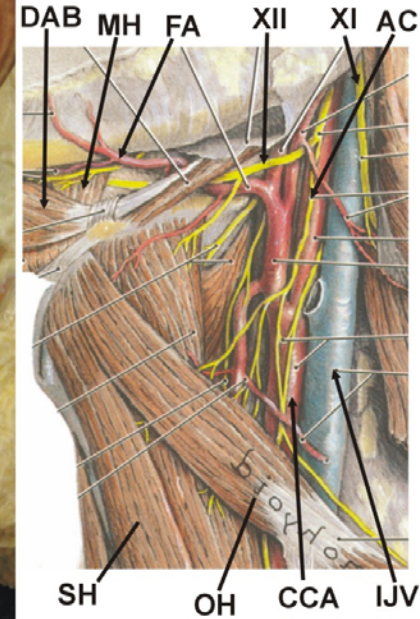
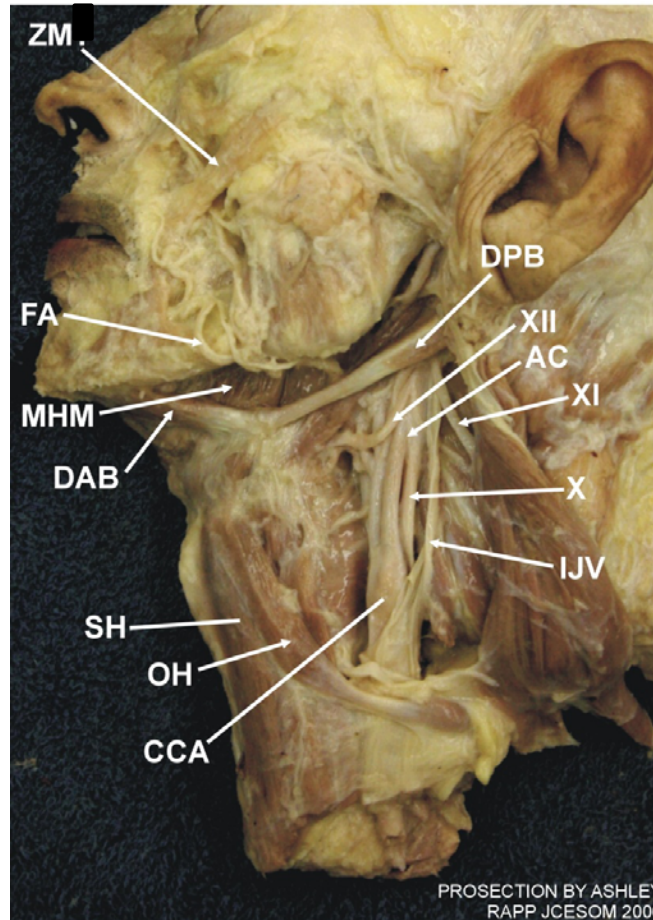


- SO - Superior oblique muscle
- T - Trochlea (pulley for SO tendon)
- SR - Superior rectus muscle (insertion)
- LR - Lateral rectus muscle (insertion)
- IR - Inferior rectus muscle (insertion)
- IO - Inferior oblique muscle
- MR - Medial rectus muscle (insertion)
- LG - Lacrimal Gland
- ION - Infraorbital nerve (V2)

Note: tilt prosection or gently move eye to see rectus muscles

ANTERIOR NECK: ACCESSORY NERVE

281

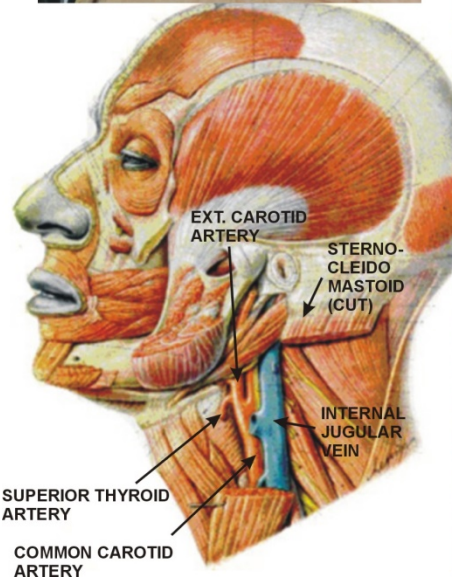
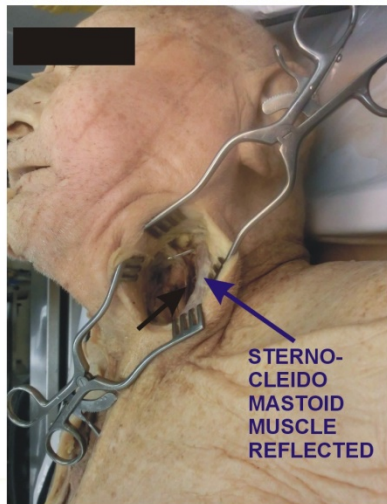


FA - FACIAL ARTERY
 MHM - MYLOHYOID MUSCLE
 DAB - DIGASTRIC ANTERIOR BELLY
 DPB - DIGASTRIC POSTERIOR BELLY
 SH - STERNOHYOID
 OH - OMOHYOID
 CCA - COMMON CAROTID ARTERY

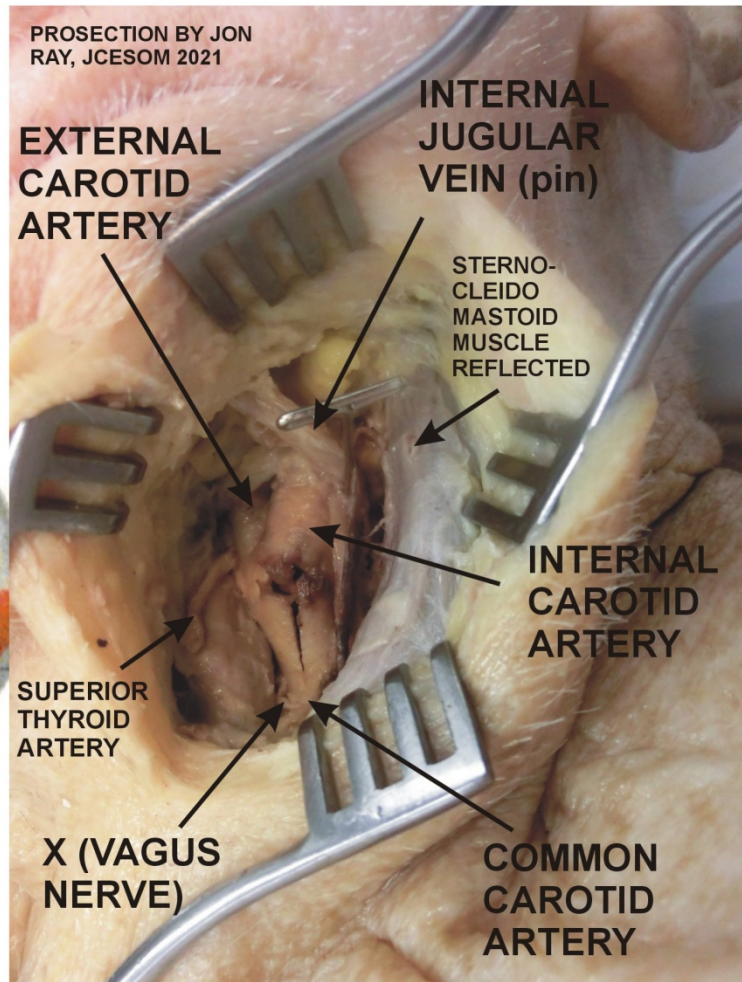
XII - HYPOGLOSSAL NERVE
 AC - ANSA CERVICALIS
 XI - ACCESSORY NERVE
 X - VAGUS NERVE
 IJV - INTERNAL JUGULAR VEIN
 ZM - ZYGOMATICUS MAJOR

SURGICAL PROSECTION: CAROTID ENDARTERECTOMY

SKIN INCISION ANTERIOR TO STERNOCLEIDOMASTOID MUSCLE



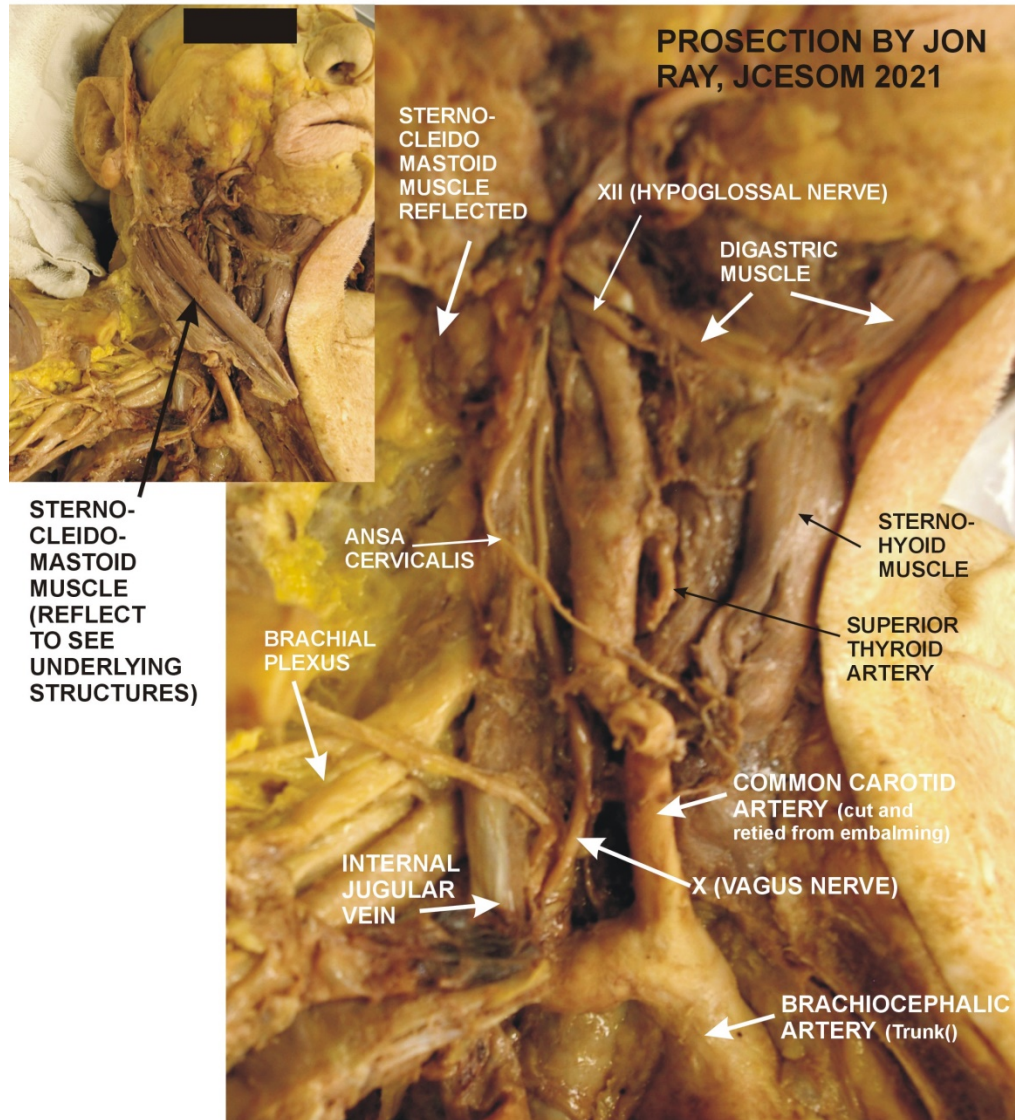
CAROTID SHEATH INCISED TO EXPOSE CONTENTS; ARTERY INCISED FOR PLAQUE REMOVAL



DISSECTION OF ANTERIOR NECK

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NECK DISSECTED ON RIGHT SIDE OF SURGICAL ANATOMY PROSECTION



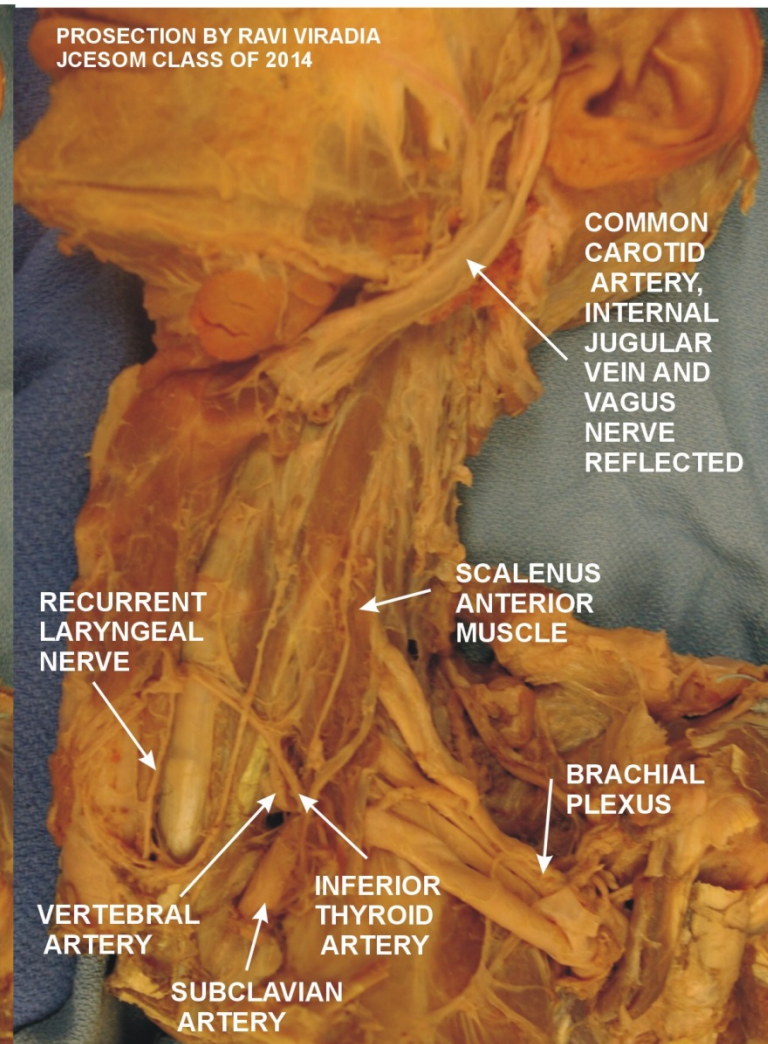
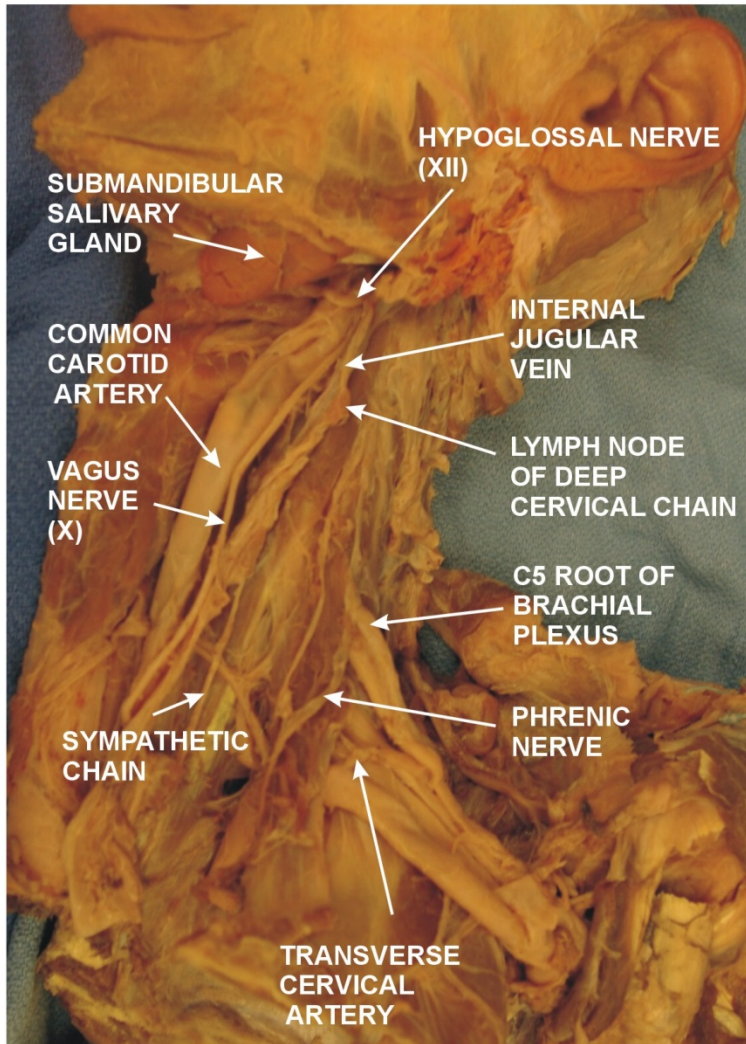
SUPERFICIAL AND DEEP NECK

SUPERFICIAL VIEW

DEEP VIEW

16

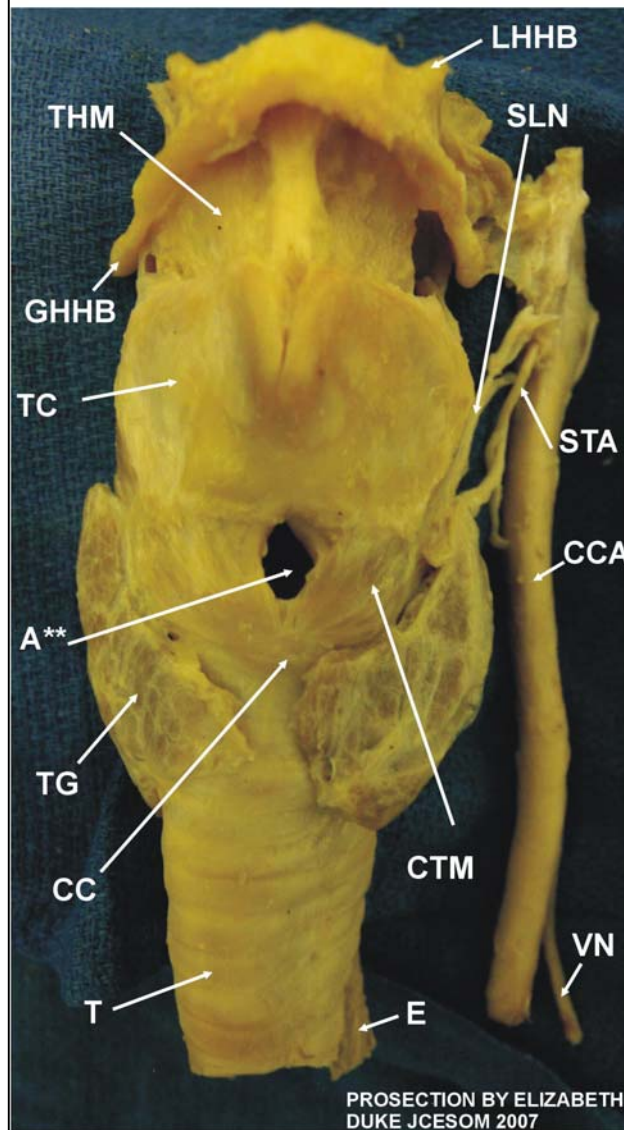
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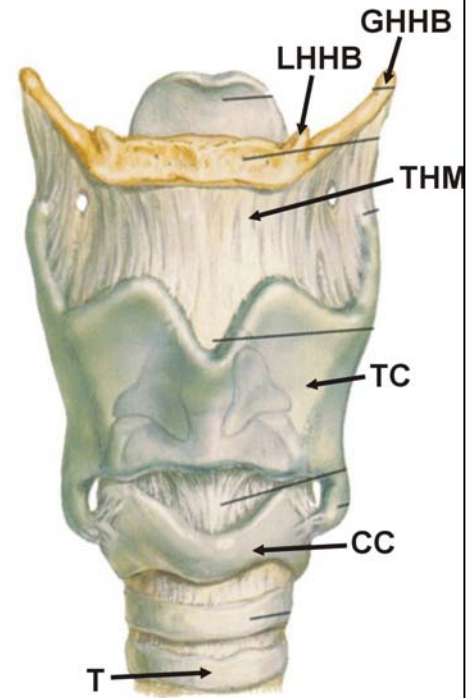
291

LARYNX: ANTERIOR VIEW

291



PROSECTION BY ELIZABETH
DUKE JCESOM 2007



NOTE: A** - AIRWAY IS CUT IN
CRICOTHYROID MEMBRANE IN
CRICOTHYROTOMY; THIS
EMERGENCY PROCEDURE
AVOIDS BLEEDING THAT CAN
OCCUR IN TRACHEOTOMY

THM - THYROID MEMBRANE
GHHB - GREATER HORN OF HYOID BONE
LHHB - LESSER HORN OF HYOID BONE
STA - SUPERIOR THYROID ARTERY
TC - THYROID CARTILAGE
SLN - SUPERIOR LARYNGEAL NERVE
CTM - CRICOTHYROID MUSCLE

CC - CRICOID CARTILAGE
CCA - COMMON CAROTID ARTERY
TG - THYROID GLAND
T - TRACHEA
E - ESOPHAGUS
VN - VAGUS NERVE