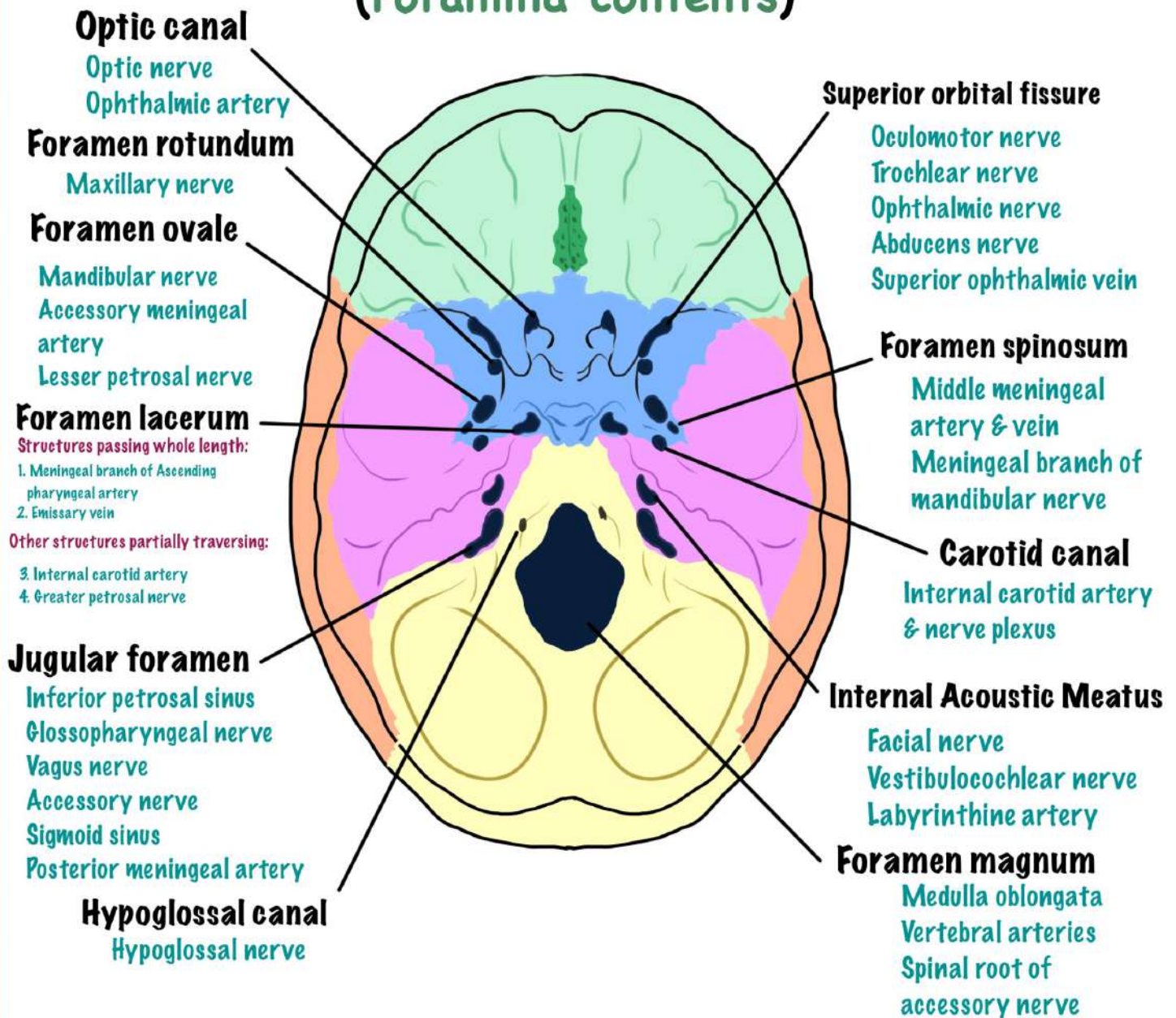


Base of the Skull

(Foramina contents)



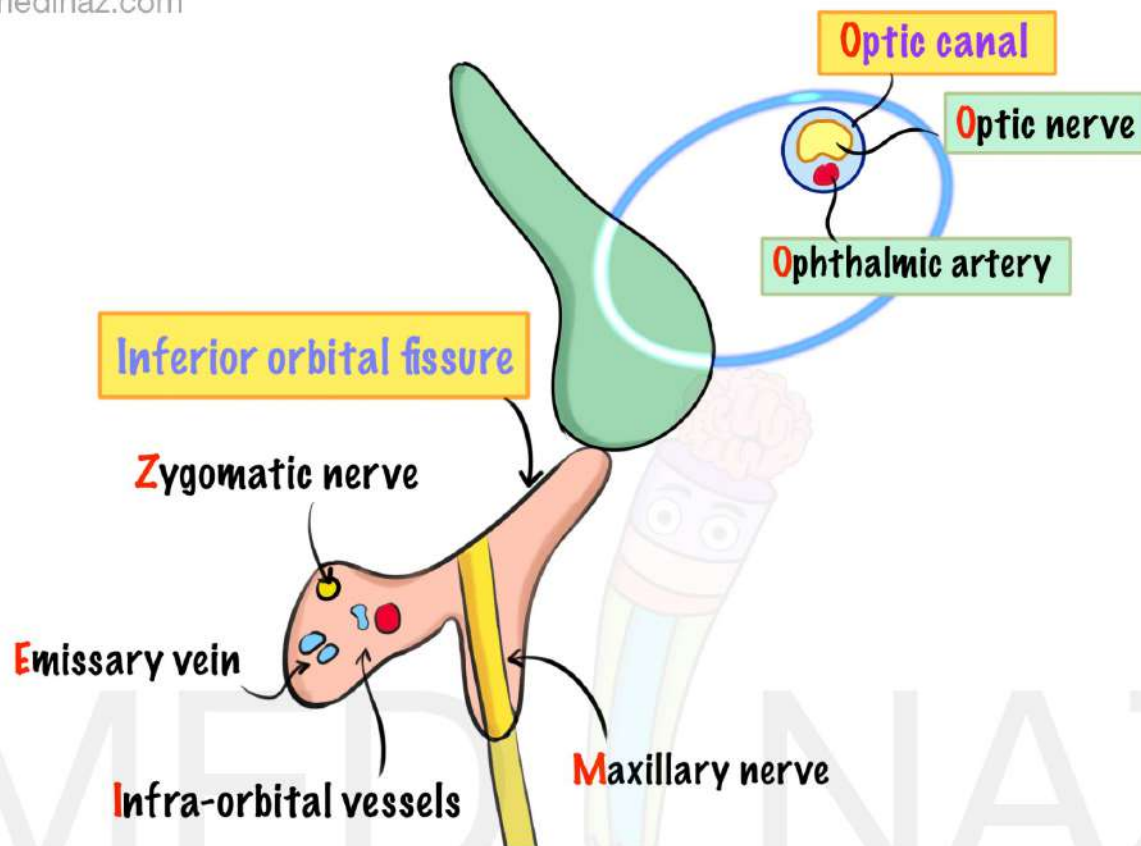
Clinical Correlates

Jugular foramen syndrome: may be caused by a tumor pressing on CN IX, X, and XI. Patients present with hoarseness, dysphagia (CN IX and X), loss of sensation over the oropharynx and posterior third of the tongue (CN IX), and trapezius and sternocleidomastoid weakness (CN XI). The nearby CN XII may be involved, producing tongue deviation to the lesioned side.

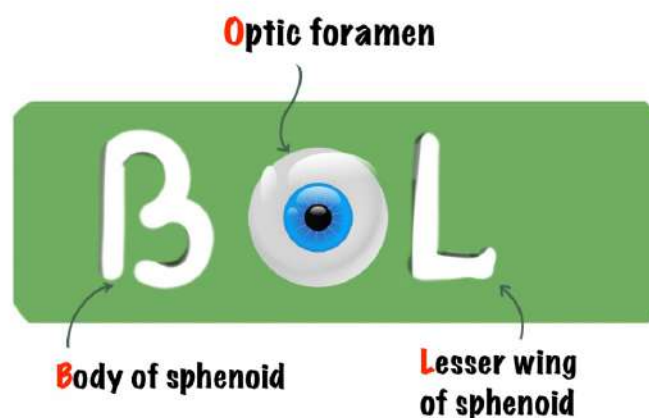
Optic canal contents

- Optic nerve, sympathetic nerves
- Ophthalmic artery

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➔ **Optic foramen:** is situated between lesser wing and body of sphenoid



Choroid fissure of eye

The developing optic vesicle and stalk have a groove on their inferior surfaces called the optic or choroidal fissure, through which blood vessels gain access to the **optic cup** as well as the **lens vesicle**. The blood vessels are the **hyaloid artery**, a branch of the ophthalmic artery, and its accompanying vein

Foramen spinosum

Foramen spinosum contents

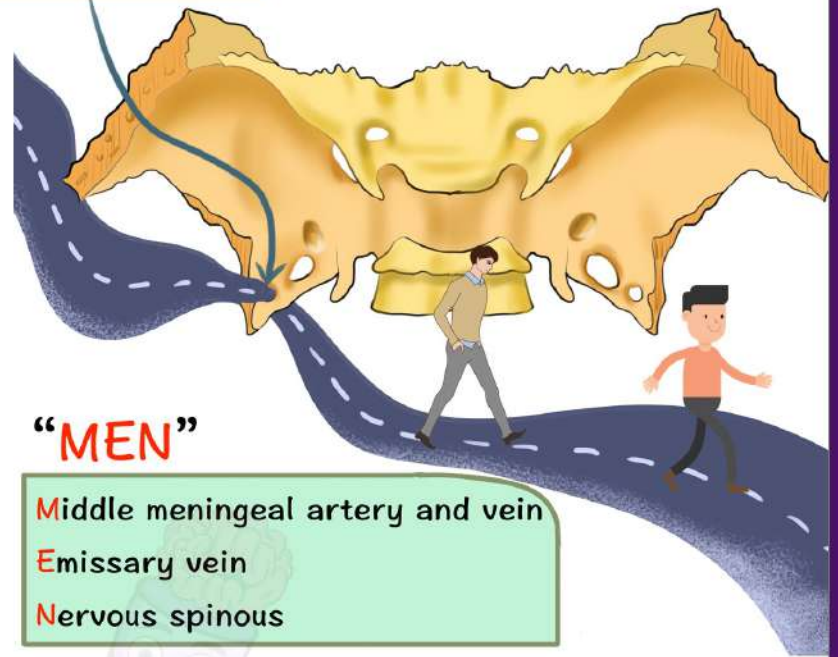
- ➔ Middle meningeal artery and vein
- ➔ Emissary vein
- ➔ Nervous spinous (meningeal branch of mandibular nerve)

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“MEN”

- Middle meningeal artery and vein
- Emissary vein
- Nervous spinous



Foramen lacerum

- ➔ B/w petrous and sphenoid
- ➔ Lower part - filled with cartilage
- ➔ Upper part - transmits ICA

Hypoglossal canal contents

- ➔ Hypoglossal nerve and its meningeal branch
- ➔ Meningeal branch of ascending pharyngeal artery.
- ➔ Emissary vein

Jugular foramen contents

- ➔ Anterior part: Inferior petrosal sinus
- ➔ Middle part: CN 9, 10, 11 + Meningeal branch of ascending pharyngeal artery.
- ➔ Posterior part: Occipital artery + IJV, emissary vein



Points to remember:

- ➔ CN 12 passes through hypoglossal canal

Structures passing through lesser sciatic foramen:

PINTO

Pudendal
nerve

Nerve and **T**endon of
Obturator internus

Int. Pudendal
vessels

Femoral Triangle

N: femoral **N**erve

A: femoral **A**rtery

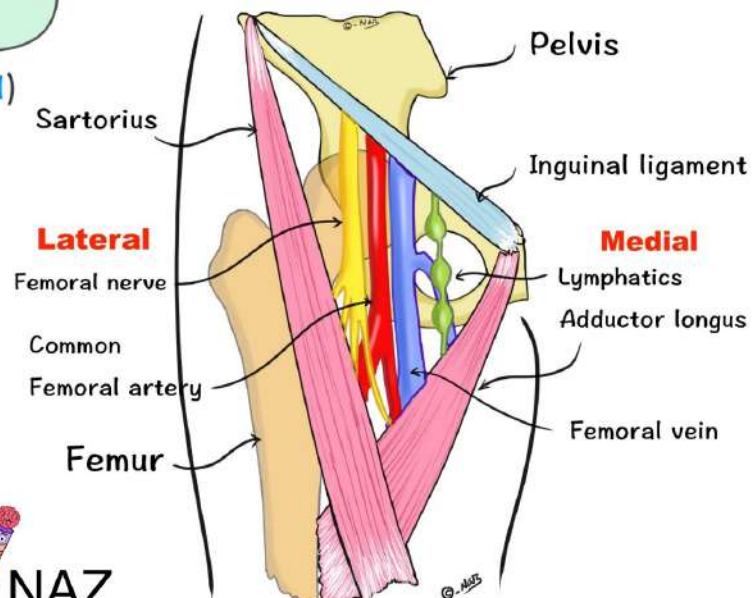
V: femoral **V**ein

E: **E**mpy space (Femoral canal)

L: **L**ymphatics

“**NAVEL**”

(From lateral to medial)



Internal Auditory Canal anatomy

BB: Bill's bar

FC: Falciform crest

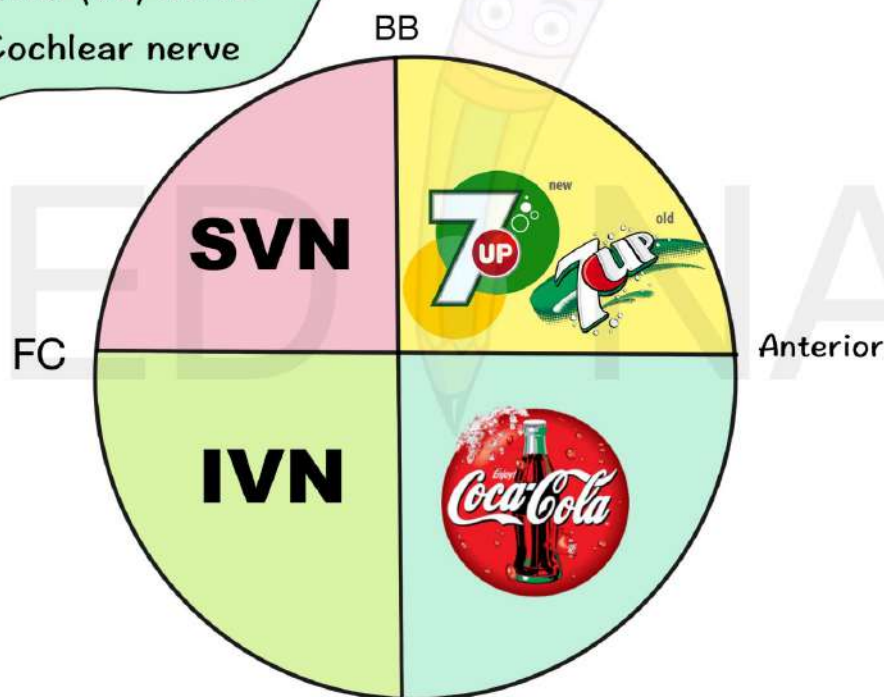
SVN: Superior vestibular nerve

INV: Inferior vestibular nerve

7up: Facial (VII) nerve

Coke: Cochlear nerve

“7up, Coke down”



Jugular foramen contents

“Married Man Is Going Vagus to Access Eternal Joy”

