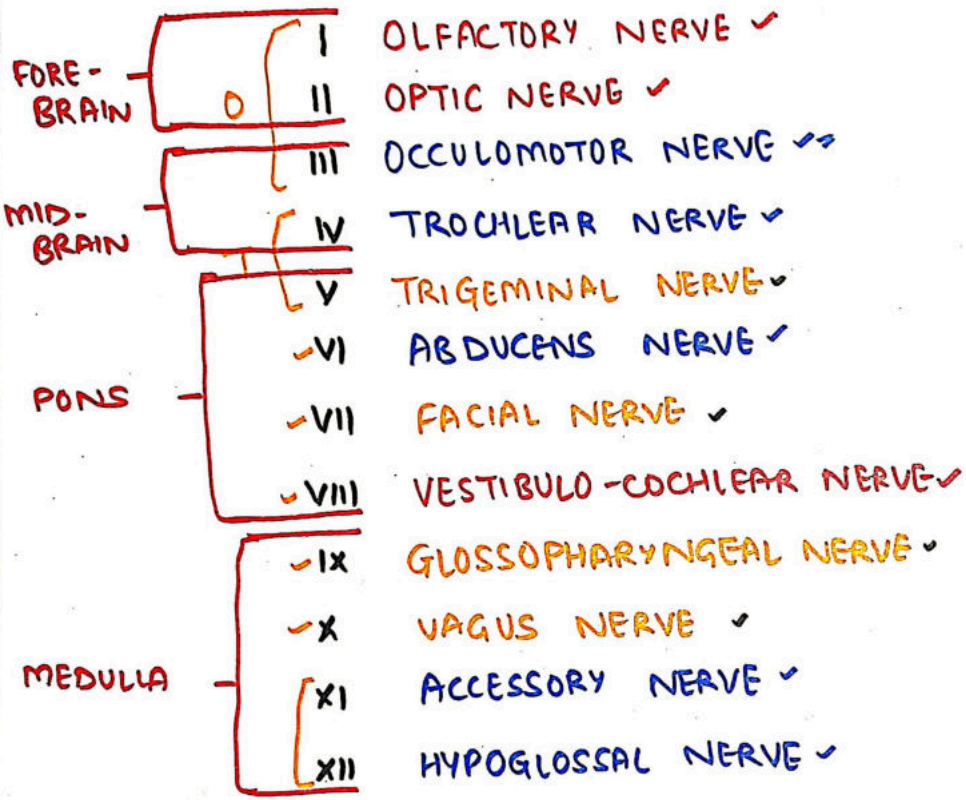
CRANIAL NERVES → 12 pairs



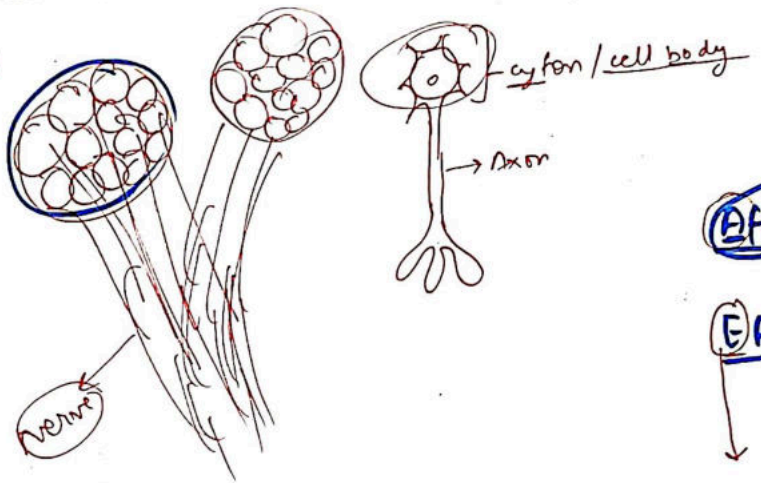
- SENSORY NERVES . 1,2,8
- MOTOR NERVES 3,4,6 11, 12
- MIXED NERVES 5, 7, 9, & 10

Nucleus / Ganglion - COLLECTION OF CELL BODIES

CNS PNS

CN → 1 Nucleus
→ >1 Nucleus

EOMS

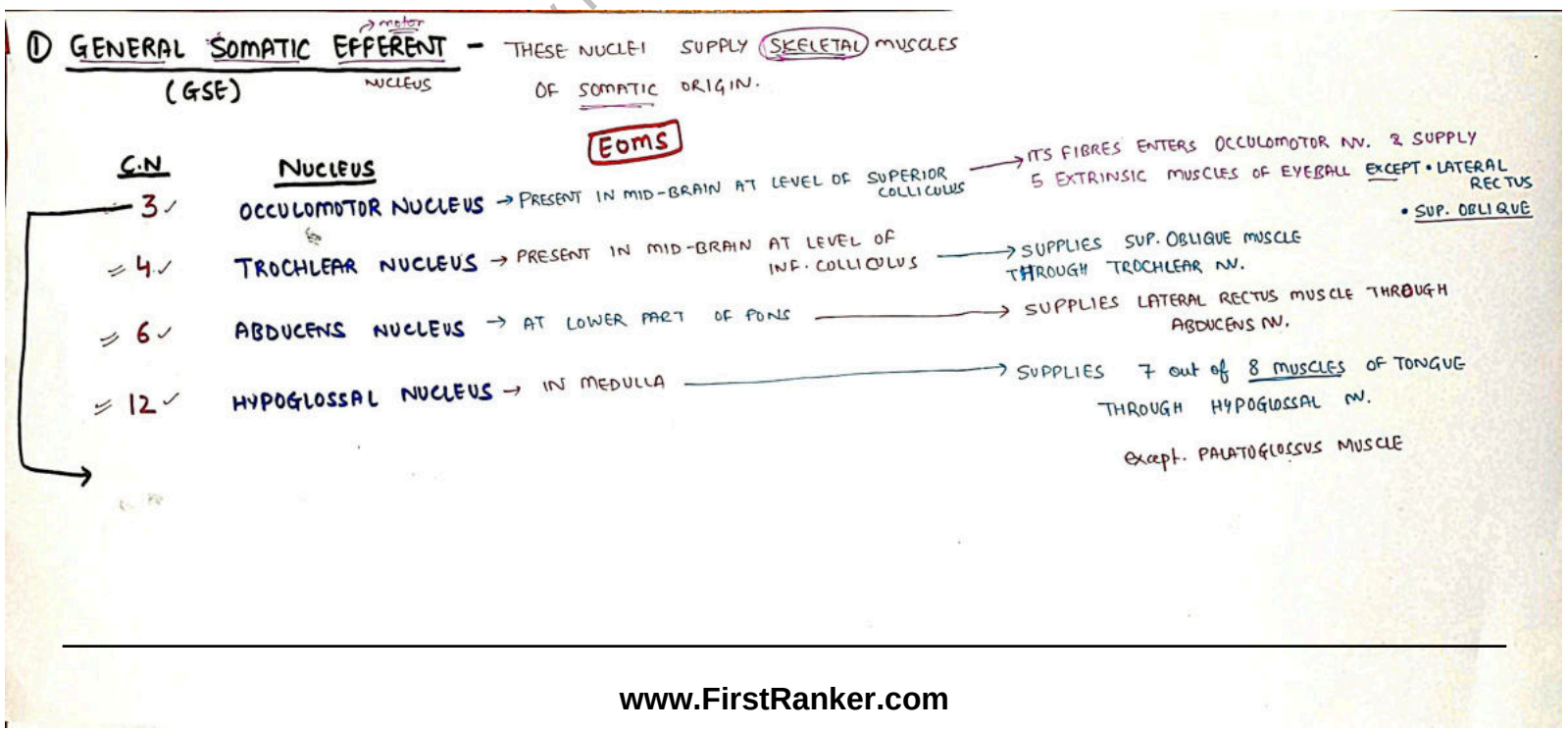


Afferent ⇒ Sensory

EFFERENT ⇒ motor.

NUCLEUS

1	GSE →	GENERAL SOMATIC EFFERENT	MOTOR
2	SVE →	SPECIAL VISCERAL EFFERENT	MOTOR
3	GVE →	GENERAL VISCERAL EFFERENT	MOTOR
4	SVA →	SPECIAL VISCERAL AFFERENT	SENSORY
5	GVA →	GENERAL " "	SENSORY

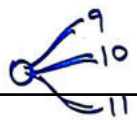


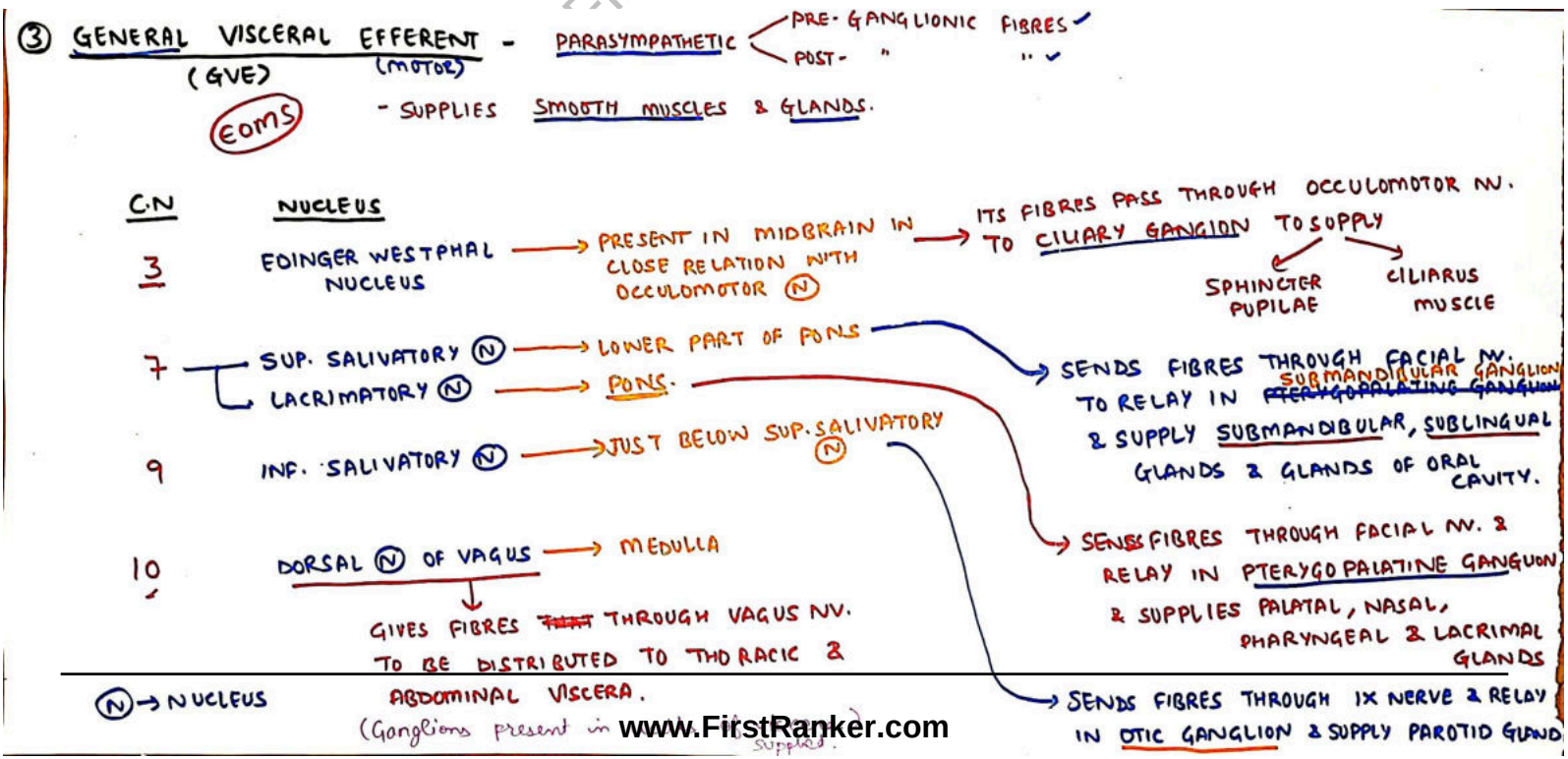
② **SPECIAL VISCERAL EFFERENT** (SVE) - THESE NUCLEI SUPPLIES STRIATED MUSCLE DERIVED FROM PHARYNGEAL ARCHES.

(motor)

Eoms

C.N	NUCLEUS		
5	MOTOR NUCLEUS OF TRIGEMINAL NV.	→ UPPER PART OF PONS	→ SUPPLIES MUSCLES OF MASTICATION THROUGH MANDIBULAR NV.
7	MOTOR NUCLEUS OF FACIAL NV.	→ LOWER PART OF PONS	→ SUPPLIES VARIOUS MUSCLES INNERVATED BY FACIAL NERVE
9, 10, 11	NUCLEUS AMBIGOUS	→ IN MEDULLA	→ SUPPLIES: ① STYLOPHARYNGEUS MUSCLE THROUGH IX NERVE. ② MUSCLES OF SOFT PALATE, PHARYNX, LARYNX THROUGH VAGUS & CRANIAL ACCESSORY NV.





④ SPECIAL VISCERAL (SV) AFFERENT & GENERAL VISCERAL (GV) AFFERENT – (sensory)

Eoms

NUCLEUS OF TRACTUS SOLITARIUS → ⊕nt in MEDULLA.

ITS LOWER PART RECEIVES GV SENSATIONS :

i) THROUGH IX NV. FROM TONSIL, PHARYNX, POST. PART OF TONGUE, CAROTID BODY & CAROTID SINUS

ii) THROUGH X NV. FROM PHARYNX LARYNX, TRACHEA, OESOPHAGUS, OTHER THORACIC & ABDOMINAL VISCERA

ITS UPPER PART RECEIVES TASTE SENSATION FROM TONGUE (SVA)

- FROM ANT. 2/3RD OF TONGUE & PAPILLAE (except circumvallate) THROUGH VII^th NV.
- FROM POST. 1/3rd OF TONGUE THROUGH IX^th NV. including circumvallate papillae.
- FROM POSTERIORMOST PART OF TONGUE & EPIGLOTTIS THROUGH X NV.