

PHYSIOLOGICAL ARRANGEMENT
OF THE
CRANIAL NERVES

By Edward Rives, M. D.

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PHYSIOLOGICAL ARRANGEMENT OF CRANIAL NERVES.

NERVES OF SPECIAL SENSE.	ORIGIN.	EXIT.	DISTRIBUTION.
OLFACTORY OPTIC AUDITORY	1st <i>External or Long Root</i> —Corpus Striatum—Optic Thalamus—Anterior Commissure—Island Reil <i>Middle or Gray Root</i> —Caruncula Mammillaris of Anterior Lobe <i>Internal or Short Root</i> —Inner and Back Part of Anterior Lobe 2nd Corpora Quadrigemina 7th Linæ Transversæ in Floor of 4th Ventricle	Cribiform plate of Ethmoid bone Optic foramen Meatus Auditorius internus	Nasal Mucous Membrane. Forms the Retina by Expansion. Forms the nervous expansion in the Cochlea, Vestibule & Semicircular Canals.
MOTOR NERVES.			
MOTOR OCULI COMMUNIS PATHETICUS MOTOR OCULI EXTERNUS SMALL ROOT OF 5th PAIR FACIAL HYPOGLOSSAL SPINAL ACCESSORY	3rd Crus Cerebri (Locus Niger) 4th Valve of Vieussens (upper part) 6th Floor of 4th Ventricle (from a gray nucleus) 5th Anterior Pyramids (upper part) 7th Lateral tract of Medulla Oblongata between Olivary & Restiform bodies 9th Groove between Pyramidal and Olivary bodies by 10 or 15 filaments 8th Lateral tract of Cord as low down as the 6th Cervical Vertebra	Sphenoidal fissure Sphenoidal fissure Sphenoidal fissure Foramen Ovale Meatus Auditorius Internus Anterior Condylod foramen Jugular foramen	Levator Palpebræ Superioris, & all muscles of Eyeball except Sup. Oblique & External Rectus. Superior Oblique muscle of Eye. External Rectus muscle of Eye. Temporal, Masseter, Digastric, Internal & External Pterygoid muscles. Muscles of Face, External Ear, Buccinator, Stapedius & Laxator Tympani muscles. Muscles of Tongue. Sterno Cleido Mastoid, & Trapezius muscles & sends branches to the Cervical ^{[plexus.}
SENSITIVE NERVES.			
LARGE ROOT OF 5th PAIR GLOSSO-PHARYNGEAL PNEUMOGASTRIC	5th Lateral tract Medulla behind the Olivary body 8th Nucleus of Gray matter at lower part of floor of 4th Ventricle 8th Lateral tract of Medulla behind Olivary body	Ophthalmic—Sphenoidal fissure Sup. Maxillary—Foramen Rotundum Inf. Maxillary—Foramen Ovale Jugular foramen Jugular foramen	Eyeball—Lachrymal gland—Mucous lining of eye & nose—Integument & muscles of eyebrow & forehead. Side of nose—Lower eyelid—Upper lip—Teeth & gums of upper jaw—Integument of temple & side of forehead. Teeth & gums of lower jaw—Integument & muscles of external ear—Lower part of face & upper lip—Tongue and muscles of mastication. Tongue and Pharynx. Larynx—Pharynx—Æsophagus—Lungs—Stomach—Heart.

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