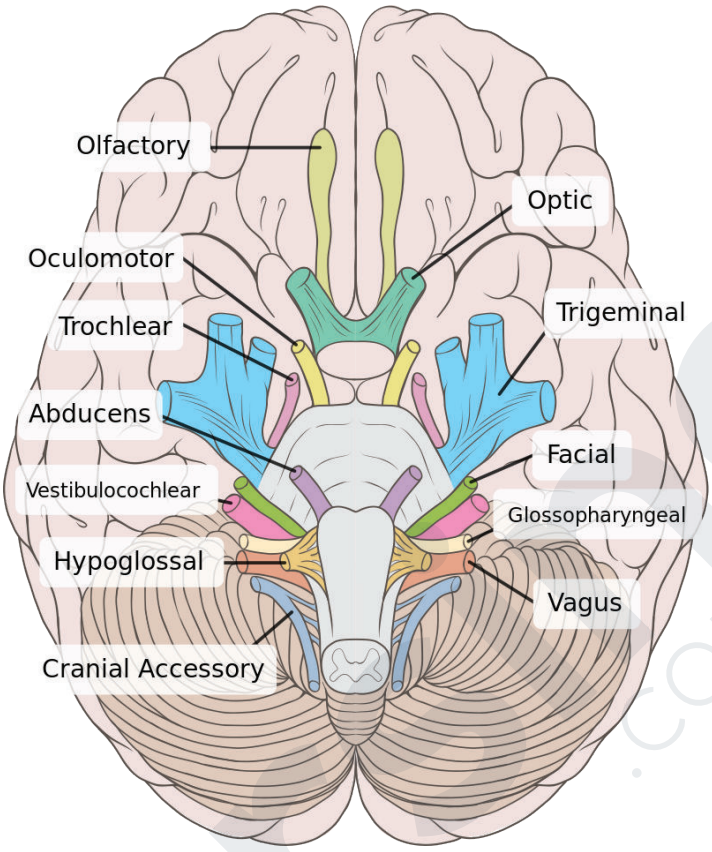
CRANIAL NERVES



Cranial Nerve Name	Function	Cranial Nerve Assessment
I - Olfactory	• Sensory o Smell	• Have patient close eyes and identify a smell (i.e. alcohol swab)
II - Optic	• Sensory o Vision	• Snellen/Sloan chart • Visual field test

III - Oculomotor	• Motor
	  o Eye Movement
		• Pupillary light reflex
		• 6 Cardinal Field of Gaze test
		  o Move penlight or object in “H” pattern in front of patient to watch vision

IV - Trochlear	• Motor
	  o Extrinsic Eye Muscles (Superior Oblique)
		• 6 Cardinal Field of Gaze test
		  o Move penlight or object in “H” pattern in front of patient to watch vision

V - Trigeminal	• Sensory
	  o Head, neck, teeth & gums
	• Motor
	  o Swallowing, mastication
		• Sharp/dull sensory test to patient’s forehead, cheek & chin
		• Open mouth and clench jaw

CRANIAL NERVES

Cranial Nerve Name	Function	Cranial Nerve Assessment

VI - Abducens	• Motor
	  o Extrinsic Eye Muscles (Inferior Rectus)
		• 6 Cardinal Field of Gaze test
		  o Move penlight or object in "H" pattern in front of patient to watch vision

VII - Facial	• Sensory
	  o Anterior ⅔ of taste buds
	• Motor
	  o Facial expression muscles
		• Raise eyebrows
		• Open and close eyes tightly
		• Smile and frown
		• Taste

VIII - Vestibulocochlear	• Sensory
	  o Auditory - Hearing (Organ of Corti)
	  o Vestibular nerve (balance,
	  o semicircular ducts)
		• Rinne & Weber hearing tests

IX - Glossopharyngeal	• Sensory
	  o Posterior ⅓ taste buds and sensation in throat
	• Motor
	  o Swallowing, vocal cord control (speech)
		• Speech
		• Swallowing (movement of back of tongue and uvula when patient says "ah")

X - Vagus	• Sensory
	  o Monitors BP; sensations from respiratory & digestive tracts
	• Motor
	  o Slows HR
	  o Stimulates glandular secretion
		• Absence of hoarseness indicates normal CN X function

XI - Accessory	• Motor o Rotate, flex & extend neck & shoulders	• Have patient shrug, rotate head and neck • Have patient touch top head to each shoulder and push head against resistance
XII - Hypoglossal	• Motor o Movement of tongue	• Have patient stick tongue out and move side to side