

CRANIAL NERVES

Number	Name	Function	Nucleus	Peripheral Ganglia	Peripheral Target
I	olfactory	smell	anterior olfactory nucleus	olfactory bulb	nasal cavity
II	optic	vision	lateral geniculate body	retina	retina
III	oculomotor	motor PSNS	oculomotor Edinger-Westphal	none ciliary	extraocular mm constr. pup & ciliary
IV	trochlear	motor	trochlear	None	superior oblique
V	trigeminal	motor sensory	motor V SpV, PrV, mesV	none trigeminal	mm of mastication sensory of face
VI	abducens	motor	abducens	none	lateral rectus mm
VII	facial	motor PSNS - taste sensory (GSA)	facial superior salivatory - rostral solitary trigeminal	none submandibular and sphenopalatine geniculate geniculate	mm facial express lacrimal gland submandibular/lingual tongue external ear
VIII	vestibulocochlear	hearing balance	cochlear (dorsal, ventral) & vestibular	spiral vestibular	cochlea vestibular app
IX	glossopharyngeal	motor PSNS taste sensory (GVA) sensory (GSA)	n. abiguus inferior salivatory rostral solitary caudal solitary trigeminal	none otic inferior (petrosal) of IX inferior (petrosal) of IX superior or inferior of IX	mm of larynx parotid gland tongue soft palate & pharynx external ear
X	vagus	motor PSNS taste sensory (GVA) sensory GSA)	n. ambiguous dorsal motor rostral solitary caudal solitary trigeminal	None multiple inferior (nodose) of X inferior (nodose) of X superior (jugular) of X	mm of larynx/pharynx viscera epiglottis viscera sensory external ear
XI	accessory	motor	accessory nucleus	none	trapezius & SCM
XII	hypoglossal	motor	hypoglossal	none	tongue mm.