

SUMMARY OF CRANIAL NERVES

NERVE	FUNCTION	TEST	POSITIVE
1. Olfactory	Sensory – smell	Use soap, coffee	Anosmia / Parosmia
2. Optic	Sensory – vision	Consensual light reflex, Accommodation, Confrontation – test visual quadrants	Hemi / Quadranopia
3. Oculomotor	Motor – elevates eyelids, moves eyes, constricts pupil, focus lenses	Consensual light reflex, Visual tracking, Convergence	Altered constriction Anisocoria, Diplopia, Paresis / Paralysis, Nystagmus
4. Trochlear	Motor – moves eyes	Visual tracking, Convergence	Diplopia, Paresis / Paralysis, Nystagmus
5. Trigeminal - Ophthalmic -Maxillary -Mandibular	Mixed Motor & Sensory: Sensory to eyes, tear glands, scalp, forehead, eyelids. Sensory to upper teeth, gums and lip, palate & face. Sensory to scalp, skin of jaw, lower teeth, gums and lip. Motor to muscles of mastication & floor of mouth.	Facial sensation, Jaw DTR, Taste	Hypo / Anaesthesia, Hyper-Reflexia, Clonus, Taste disturbance
6. Abducens	Motor function of lateral rectus of the eye.	Visual tracking	Diplopia, Paresis / Paralysis, Nystagmus
7. Facial	Mixed Motor & Sensory	Muscles of facial expression, Taste of anterior tongue	Facial paresis or droop, Taste disturbance
8. Vestibulocochlear	Sensory	Finger rustle, Humming, Equilibrium tests (Rhombberg's, Tilt, Dix-Hallpike)	Tinnitus, Deafness, Hypo-Acusia, Disequilibrium, Dizziness, Nystagmus

NERVE	FUNCTION	TEST	POSITIVE
9. Glossopharyngeal	Mixed Motor & Sensory: Sensory to pharynx, tonsils, posterior tongue & carotid artery Motor to muscles of pharynx & salivary glands	Gag reflex & Swallowing	Dysphagia, Dysarthria
10. Vagus	Mixed Sensory to pharynx, larynx and organs Motor to muscles of speech, swallowing, heart, smooth muscles of visceral organs	Uvula position	Dysphonia, Nausea, Uvula displaced to strong side
11. Accessory	Motor to muscles of palate, pharynx, larynx, UFT & SCM	Strength & DTR of SCM, Trapezius	Weakness, Hyper- Reflexia, Clonus
12. Hypoglossal	Motor function for the tongue	Tongue strength	Paresis - deviates to weak side, Dysarthria