

**Table 3-1. Cranial Nerve Function**

Number	Cranial Nerve <sup>a</sup>	Type	Function <sup>b</sup>
I	Olfactory	Sensory	Smell
II	Optic	Sensory	Vision
III	Oculomotor	Motor	Pupil reaction and size. Elevation of upper eyelid and eye abduction and downward rolling
IV	Trochlear	Motor	Upward eye movement
V	Trigeminal	Both	M: Muscles of mastication; S: Sensation to nose, forehead, temple, scalp, lips, tongue, and upper jaw
VI	Abducens	Motor	Lateral eye movement
VII	Facial	Both	M: Expression; S: Taste
VIII	Vestibulocochlear	Sensory	Hearing equilibrium
IX	Glossopharyngeal	Both	M: Pharyngeal muscles; S: Taste
X	Vagus	Both	M: Pharynx and larynx; S: Gag reflex
XI	Accessory	Motor	Trapezius and sternocleidomastoid (SCM) muscle function
XII	Hypoglossal	Motor	Tongue movement

M=Motor function; S=Sensory function

<sup>a</sup>Mnemonic device for the names of the cranial nerves: **O**n **O**ld **O**lympus **T**owering **T**ops **A** **F**in **A**nd **G**erman **V**iewed **S**ome **H**ops.

<sup>b</sup>Mnemonic device for the the function of the cranial nerves (ie, Sensory, Motor, or Both): **S**ome **S**ay **M**oney **M**atters **B**ut **M**y **B**rother **S**ays **B**ig **B**rain **M**atter **M**ost.

**Table 3-2. Cranial Nerve Testing**

Function	Cranial Nerve	Clinical Test
Smelling	I	Based on self-report of smell, one nasal passage at a time with eyes closed
Eye assessment	II, III, IV, VI	Visual acuity, papillary reaction, and tracking
Facial expression	V, VII, X, XII	Smile, frown, swallow, stick out tongue
Balance	VIII	Romberg, BESS, standing
Speaking/hearing	VIII, IX, XII	Speaking to clinician, hearing the clinician
Shoulder shrug	XI	Resist shoulder girdle raise

BESS: Balanced Error Scoring System.