

Appendix 1 : Elements of neurological examination (web access only)

Exam Elements	Normal	Abnormal
Cranial Nerve Function (I-VII, IX-XII)		
I- Olfaction age <55 years age ≥55 years	≥7/12 on BSIT-12 ≥5/12 on BSIT-12	<7/12 on BSIT-12 <5/12 on BSIT-12
II- Confrontation Visual Fields		
III,IV,VI – Eye Movements Saccades Vertical Horizontal Smooth Pursuit Vertical Horizontal		
V – Facial Sensation Upper Face Middle Face Lower Face Jaw Opening Symmetric		
VII - Symmetric Facial Movement Eyelid closure Pucker cheeks Smile		
IX, X – Pharyngeal Function Symmetric gag reflex Symmetric soft palate elevation		
XI – Sternomastoid Function Symmetric mass Symmetric force		
XII – Tongue movement symmetric		
Motor Function Bulk symmetric Tone symmetric upper extremity Tone symmetric lower extremity Normal Strength left upper extremity Normal Strength right upper extremity Normal Strength left lower extremity Normal Strength right lower extremity Upper Extremity Drift Arm Rolling	Absent Symmetric	Present One hand orbits the other
Sensation Normal to pin left upper extremity Normal to pin right upper extremity Normal to pin left lower extremity Normal to pin right lower extremity Normal to pin left upper extremity Normal to pin right upper extremity Normal to pin left lower extremity Normal to pin right lower extremity Extinction on double simultaneous Stimulation Upper extremity topognosia	Absent Normal	Present Deficient

Exam Elements (continued)	Normal	Abnormal
Coordination Testing Finger to nose Heel to shin Upper extremity rapid alternating movements	Normal Normal Normal	Asymmetric, tremor Asymmetric, tremor Impaired
Reflex Testing Symmetric biceps reflex Symmetric brachioradialis reflex Symmetric triceps reflex Symmetric knee jerk Symmetric ankle jerk Babinski sign	 Toes downgoing	 Upgoing toe
Gait Testing Regular gait Heel walking Toe walking Tandem walking		
Romberg test		