

Region	Upper motor neuron (UMN)	Lower motor neuron (LMN)
Head	<i>Clinical symptoms</i> • slowed, poorly coordinated voluntary movements of the tongue leading to dysarthria, dysphonia and/or dysphagia <i>Clinical signs</i> • hyperreflexia of mandibular reflex • pseudobulbar affect • snout reflex • exaggerated gag reflex	<i>Clinical symptoms</i> • weakness with associated muscle atrophy of the tongue leading to dysarthria, dysphonia and/or dysphagia <i>Clinical signs</i> • muscle atrophy of the tongue • fasciculations of the tongue
Arm	<i>Clinical symptoms</i> • slowed, poorly coordinated voluntary movements in hand, arm or shoulder <i>Clinical signs</i> • preserved reflexes in wasted or weak muscles • increased reflexes • hyperreflexia • Hoffman sign • increased velocity-dependent tone (spasticity) in hand and arm	<i>Clinical symptoms</i> • weakness with associated muscle atrophy of hand, arm or shoulder muscles <i>Clinical signs</i> • muscle atrophy of hand, arm or shoulder muscles • persistent fasciculations in muscles with weakness and/or atrophy • absent reflexes
Trunk	<i>Clinical symptoms</i> • slowed, poorly coordinated voluntary movements of paraspinal, costal and abdominal muscles <i>Clinical signs</i> • pathological abdominal reflexes	<i>Clinical symptoms</i> • weakness with associated muscle atrophy of paraspinal, costal and abdominal muscles <i>Clinical signs</i> • muscle atrophy of paraspinal, costal and abdominal muscles • persistent fasciculations in muscles with weakness and/or atrophy
Leg	<i>Clinical symptoms</i> • slowed, poorly coordinated voluntary movements of foot, leg or hip <i>Clinical signs</i> • preserved reflexes in wasted or weak muscles • increased reflexes • hyperreflexia • increased velocity-dependent tone (spasticity) in foot, leg or hip • Babinski sign • crossed adductor reflex	<i>Clinical symptoms</i> • weakness with associated muscle atrophy of foot, leg or hip muscles <i>Clinical signs</i> • muscle atrophy of foot, leg or hip muscles • persistent fasciculations in muscles with weakness and/or atrophy • absent reflexes