

	FLACCID (CVA, LMN, TBI, ALS)	SPASTIC (CP, UMN, CVA, TBI, ALS)	ATAXIC (MS, TBI)	HYPOKINETIC (PD)	HYPERKINETIC (Huntington's)
Physical Hallmarks	<ul style="list-style-type: none"> - weakness - hypotonia - diminished reflexes - fasciculations - recovery w/rest 	<ul style="list-style-type: none"> - increased muscle tone - spasticity - hyperreflexia (gag & stretch) - lower facial weakness - tongue weakness 	<ul style="list-style-type: none"> - dysmetria - hypotonia - intention tremor - biting tongue while talking 	<ul style="list-style-type: none"> - rigidity/hypokinesia - slow/bradykinesia - resting tremor - freezing, 'mask' - micrographia 	<ul style="list-style-type: none"> - quick, involuntary movement - chorea - dystonia
Perceptual	<ul style="list-style-type: none"> - breathiness - hypernasality - audible inspiration - hoarse/harsh - imprecise artic 	<ul style="list-style-type: none"> - strained/strangled - low, monopitch - distorted vowels - pitch breaks - continuous breathiness - hypernasality 	<ul style="list-style-type: none"> - drunk speech - harsh - vocal tremor - hypernasality - irregular artic breakdown 	<ul style="list-style-type: none"> - breathiness - repeated phonemes - short rushes of speech 	<ul style="list-style-type: none"> - effortful - voice stoppages - harsh - strange/strangled - transient breathiness - imprecise artic
Respiration	<ul style="list-style-type: none"> - breathiness 	<ul style="list-style-type: none"> - reduced in/exhale volume → short phrases → excess stress 	<ul style="list-style-type: none"> - irregular chest wall movement → equal/excess stress 	<ul style="list-style-type: none"> - difficulty altering auto breath patterns - inappropriate silences 	<ul style="list-style-type: none"> - sudden/forced in/expiration - unpredictable breath support - involuntary movement
Artic	<ul style="list-style-type: none"> - Imprecise consonants 	<ul style="list-style-type: none"> - reduced ROM - tongue weakness - incomplete lingual contacts 	<ul style="list-style-type: none"> - irregular breakdowns - prolonged phonemes - slow artic movements 	<ul style="list-style-type: none"> - reduced ROM - rigidity 	<ul style="list-style-type: none"> - imprecise consonants - distorted vowels - irregular breakdowns
VP	<ul style="list-style-type: none"> - reduced VP movement - reduced pharyngeal wall movement 	<ul style="list-style-type: none"> - slow VP movement 	<ul style="list-style-type: none"> - reduced VP movement 		<ul style="list-style-type: none"> - irregular VP movement
Laryngeal	<ul style="list-style-type: none"> - hypoadduction - vocal fold immobility - incomplete glottal closure 	<ul style="list-style-type: none"> - hyperadduction 	<ul style="list-style-type: none"> - voice tremor 	<ul style="list-style-type: none"> - arytenoid flutter - bowing 	<ul style="list-style-type: none"> - abnormal involuntary movements
Prosody	<ul style="list-style-type: none"> - monopitch 	<ul style="list-style-type: none"> - bursts of loudness - excess stress 	<ul style="list-style-type: none"> - equal/excess stress - excess loudness variation - monopitch - monoloudness 	<ul style="list-style-type: none"> - monostress - monopitch - monoloudness 	<ul style="list-style-type: none"> - alternating loudness
Rate		<ul style="list-style-type: none"> - slow 		<ul style="list-style-type: none"> - fast, short rushes - inappropriate silences 	<ul style="list-style-type: none"> - variable - inappropriate silences