

Key Movement Observations and Test Findings to Rule in a Balance Diagnosis: Deficit in Steady State Postural Control



Steady State Postural Control

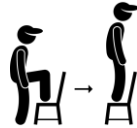
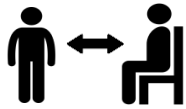
Ability to control the location of the body's center of mass within the base of support during unchanging postures



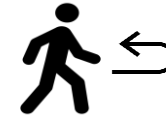
ANPT Movement System Diagnoses for Balance Dysfunction Knowledge Translation Task Force
Handout created by:
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Postural Movement Strategy	Sensory processing	Balance Confidence	Perception of Verticality	Multi-tasking
Task modifications: changes in BOS	Task modifications: changes in sensory input (i.e. eyes closed, compliant surface)	Environmental modifications: place the individual near a wall or other support.	Environmental modifications: position the individual on an incline	Task modifications: Additions of a secondary task (motor or cognitive).
Key movement observations: wider BOS, increased postural sway, need for UE support to maintain position, adjustment of alignment to lower COM or increase stability (e.g lock knees)	Key movement observations: increased postural sway, need for UE support to maintain position, change in alignment by tilting head	Key movement observations: Grasping of external supports. Provocation of fear, anxiety, dizziness. Change in ability to maintain static position when completing the task near an available UE support.	Key movement observations: lateral, posterior or anterior lean away from vertical, resistance to maintain midline	Key movement observations: task performance of the primary or secondary task worsens compared to single task, cues needed to maintain attention to the task, inability to complete both tasks simultaneously.
Key test findings: Impaired tone, coordination, reflexes, muscle performance, ability to fractionate movement.	Key test findings: impaired sensory weighing (mCTSIB), sensation, vision, gaze stability	Key test findings: Increase in RR, HR, and/or BP; autonomic nervous system changes.	Key test findings: atypical performance on the Scale for Contraversive Pushing or Burke Lateropulsion Scale (sitting and standing items)	Key test findings: cognitive measures such as the MOCA, SLUMS, mini mental status may indicate deficits in executive function. This is NOT necessary for the diagnosis
Key OM items: Movement Assessment Scale (sitting balance), BBS (#2,6,7,13,14), FIST (static sitting), PASS (#1-5), miniBEST (#3,7)	Key OM items: FIST (eyes closed item), miniBEST (#8)		Key OM items: miniBEST (item #9)	Key OM items: dual-task assessment

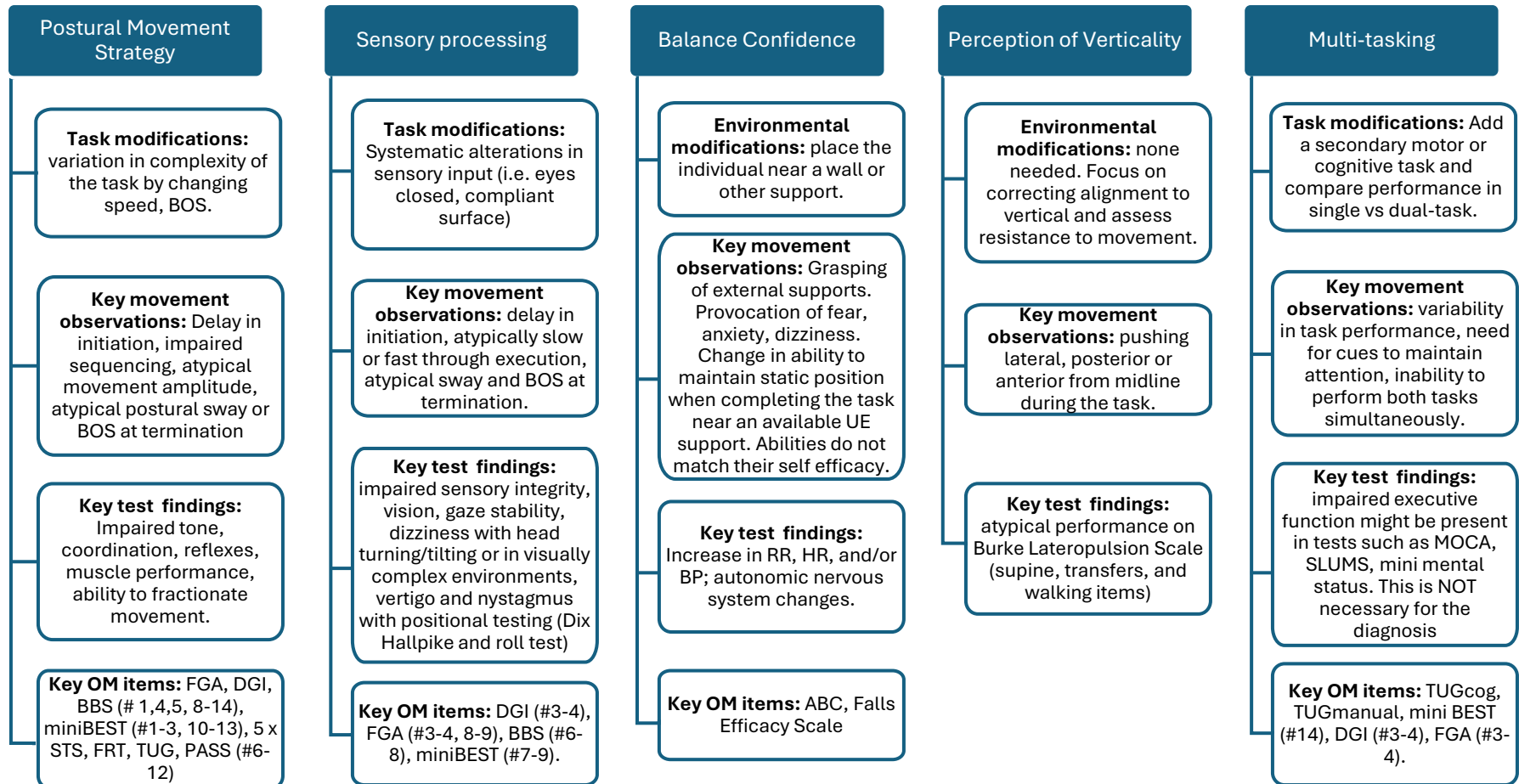
Key Movement Observations and Test Findings to Rule in a Balance Diagnosis: Deficit in Anticipatory Postural Control



Anticipatory Postural Control
Ability to generate postural adjustments prior to the onset of and during voluntary movement



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Key Movement Observations and Test Findings to Rule in a Balance Diagnosis: Deficit in Reactive Postural Control



Reactive Postural Control

Ability to respond to an unexpected internal or external perturbation without a fall or need for external support

