

## Implementation of the Movement System Diagnoses for Balance Dysfunction

Handout created by the ANPT Movement System Diagnoses for Balance Dysfunction Knowledge Translation Task Force





Ruling in a balance deficit depends on a reiterative process of movement analysis of relevant tasks

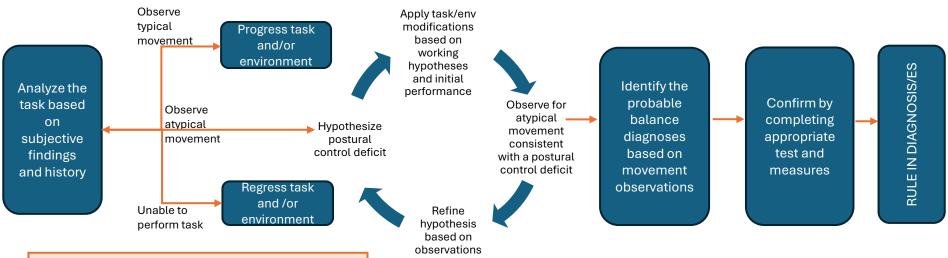






Movement Analysis of Tasks

Hypothesize Postural Control System and Postural Control Deficit > Test and Measure Findings > Rule-in Diagnosis



If no atypical movement is identified with appropriate task modifications, move to a different task.

Task and/or environmental modifications to identify possible deficits in different underlying determinants				
Postural movement strategies (PM)	Sensory processing (SP)	Balance confidence (BC)	Perception of verticality (PV)	Multi-tasking (MT)
Surface height, BOS, speed.	Firm vs foam surface, eyes closed, head movement.	Repeat task near support surface.	Correct vertical alignment and examine resistance and ability to maintain	Motor or cognitive dualtask, environmental distractions.