

# Computerized Dynamic Posturography

Computerized Dynamic Posturography (CDP) is an assessment and treatment tool that helps measure an individual's ability to perform various balance and mobility tasks. It also evaluates how well a patient is utilizing sensory and motor systems. This information helps to determine the cause of the balance impairment and guides the clinician in formulating the best treatment plan.

## Individuals experiencing the following may benefit from CDP:

- Labyrinthitis or inner-ear infection
- Acute vertigo caused by head trauma or whiplash
- Chronic vertigo resulting from chemical or drug toxicity
- Acoustic neuromas
- Age-related multisensory deficits, balance disfunction, or dizziness
- Stroke and vascular insufficiencies
- Visual motor sensitivity

## Advantages of using CDP:

- Helps identify the differences between specific sensory and motor impairments
- Provides objective evidence for making effective clinical decisions
- Helps train individuals, using specific protocols, to address their impairments
- Maximizes outcomes by helping patients return to their activities of daily living
- Documents progress and treatment results

## How does CDP work?

In addition to assessing sensory and motor impairments, the system also provides interactive, functional retraining exercises. The new technology of the Bertec Balance Advantage system incorporates immersive virtual reality to simulate real world environments which can be modified to patients specific needs. Using visual biofeedback combined with sensitive, real-time monitoring of movement, individuals more quickly achieve greater balance control.



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