



BERTEC



Bertec® Perturbation Training

Option for CDP Systems

Perturbation Training uses our CDP/IVR™ system or CDP Spark™ system to create environmental changes encouraging patient adaptation to improve their balance through a targeted and research-backed therapy approach. Based on Motor Control Test and Adaptation Test assessments, the training module adds new customizable features to visual and proprioceptive training. This is the only VR perturbation training available on the market to differentiate your balance clinic.

- Customize your treatment plan with various movement types, direction, speed, and distance options for both the platform and the scene
- Create sensory mismatch and vary training difficulty by allowing for separate or simultaneous visual and proprioceptive motions
- Keep patients engaged by using our unpredictable "Random" setting for platform and scene options
- Track patient progress for all perturbation types with comparable scores saved in patient-specific test reports



BERTEC

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Standard Package

Perturbation Modes:

- Platform Pitch Rotation
- Platform AP Translation
- Scene Pitch Rotation
- Scene Roll Rotation
- Scene Translation
- Scene Sway Reference
- Random Scene Motion
- Random Platform Motion

Movement Levels:

- Low
- Medium
- High

Trial Duration Option

Speed Options:

- Slow
- Fast

Training Scenes

- Blank
- Rock Wall
- Checkered Room
- Airport
- Fountain

Training Session Scoring and Reporting

Raw Data Export

Specifications

Platform Translation (Anterior/Posterior): 4, 6, and 8-degrees of lean based on patient height

Platform Rotation (Pitch): 4, 6, and 8-degree platform rotations

Speed Profiles:

- Fast: 250 ms
- Slow: 400 ms

Scene Roll Rotation Speed:
45-degree/sec

Scene Roll Rotation Distance:
15 degrees clockwise or
counterclockwise

For more information, contact Bertec at 614-543-1127 or at info@bertec.com

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