

Dextreme™: Next-Gen Upper Extremity Rehabilitation Robotics

The only upper extremity rehabilitation robotics to use Error Augmentation for faster, smarter recovery


6 sessions

After only 6 sessions with Dextreme™ for individuals post stroke compared to standard robotic therapy.*


2x

Improvement in Fugl-Meyer scores with Dextreme™ training for individuals post stroke vs. standard robotic therapy.

* robotic therapy without Error Augmentation forces

 FDA and CE Registered

 Globally Patent Protected

 Clinically Validated



Where Error Becomes Independence

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Bioxtreme

The Dextreme™ Advantage

PATENTED ERROR AUGMENTATION TECHNOLOGY

Amplifies movement errors to trigger the brain's natural adaptive responses, accelerating motor learning and improving movement accuracy.

MOVEMENT SCALING

Movements are automatically scaled and personalized to each patient's functional capacity, enabling even patients with limited range of motion to actively engage in therapy.

Immersive 3D Therapy Environment

- Functional, ADL-based activities in an interactive 3D environment
- Gamified tasks drive engagement and high-repetition practice

Personalized, Adaptive AI-Based Learning

- AI analyzes movement performance in real time, adjusting subtle force demands and therapy parameters
- Continuously adapts to support progressive motor learning

Designed for smooth OT workflows

- Quick setup with no complex calibration and seamless left/right side transition
- Enhanced accessibility features including anti-gravitational forces and arm rest

Adaptive, Feedback-Driven Rehabilitation

- Real time visual feedback supports continuous progress
- Automatic adjustment of therapeutic parameters based on patient's progress



Read more about our science backed devices and our neurorehabilitation therapeutic solutions

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