



Robotic Therapy for the Upper Extremity

 rebless planar

rebless planar

rebless planar is an FDA-registered robotic-assisted upper extremity rehabilitation device that improves motor skills, range of motion, and strength, improving patients overall functional ability.



Increased Efficiency



Interactive Games



Easy and Quick Patient Setup



Assist-as-Needed Technology

Product Features



3D camera

Assists with proper patient positioning before initiating therapy



Bluetooth® keyboard

Lightweight keyboard with an integrated mouse allows for easy operation



Adjustable

Allowing for three degrees of freedom



Emergency shut off

Emergency stop buttons, located on either side of the table, allow for a quick response in case of an emergency



Functional positioning

Table and handle heights can be easily adjusted for patient comfort



Quick loading time

Loading time within 1-2 minutes, with no warm-up needed





Main Functions

Clinician & Patient Management

Clinicians can add patients and easily access and navigate patient data.

Add (Edit)

ID

hrobotics

Name

Angus Whittington

Password

Confirm Password

Expiry Date

2024

1

10

Add

Add Clinician

Lock

ID

admin

haydn

Add (Edit)

ID

hrobotics

Name

Angus Whittington

Password

Confirm Password

Expiry Date

2024

1

10

Add

Expiry Date

9999-12-31

2024-01-10

Edit

Edit

January 10, 2023 13:11



Patient M

Patient details

Patient ID

324353

Patient Name

John

Provider ID

Provider to be changed

admin

First Name

John

Last Name

Doe

Date Of Birth

1980-09-06

Clinician M

admin

To change the healthcare provider to another, select the healthcare provider you want to confirm patient information change

Confirm patient info

Delete

Involved Extremity

Right upper extremity

Primary Diagnosis

Ischemic Stroke

Secondary Diagnosis

Right hemiplegia

Type / Involved Extremity

Right

Other conditions

ID

Details

LCS

Delete

Involved Extremity

Right upper extremity

Primary Diagnosis

Ischemic Stroke

Secondary Diagnosis

Right hemiplegia

Type / Involved Extremity

Right

Other conditions

Calibration

Treatment accuracy is enhanced by the robot self calibration algorithm. Patient positioning calibration is performed using an advanced 3D camera attached to the top of the device.

Device Calibration



Patient Positioning

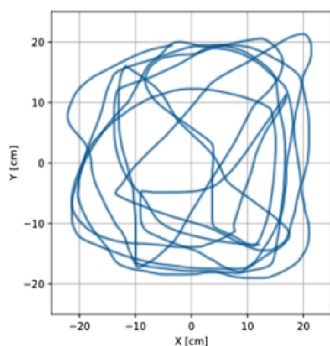


Reports

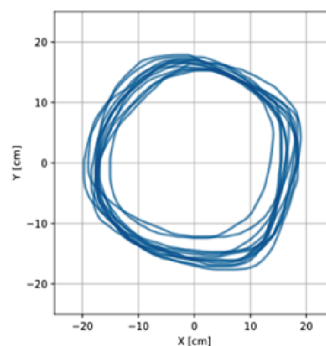
Optimized reports help clinicians interpret evaluation results and track patient outcomes and progress over the course of their rehab protocol.

Circle

Before

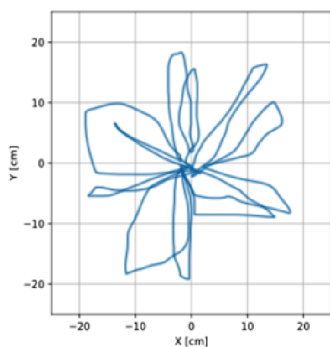


After

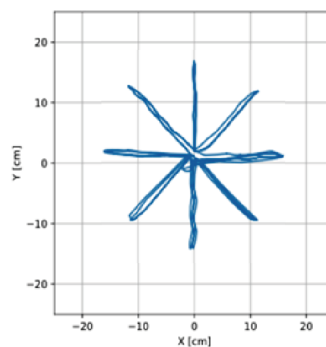


Point to Point

Before

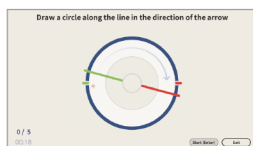


After



Evaluation

Interactive assessments objectively measure and report the motor impairment(s) and progress during treatment sessions.



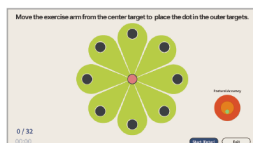
Circle

Measures movement coordination in the horizontal plane where patients are asked to draw circles



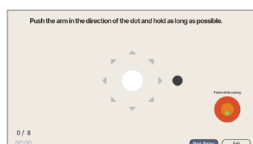
Round Dynamic

Measures movement against resistance where patients are required to hold the handle motionless



Point to Point

Measures the limit of reach in the horizontal plane where patients attempt movements towards specific targets



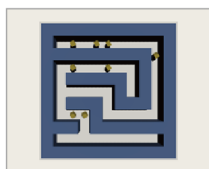
Playback Static

Measures movement against resistance where patients are asked to move towards a target

Games

Interactive games allow for treatment intensification and increased patient motivation making the rehabilitation process more enjoyable.

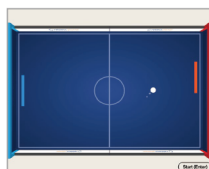
Maze



Bricks



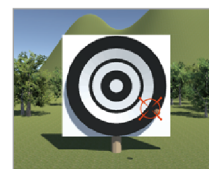
Pong



Racing



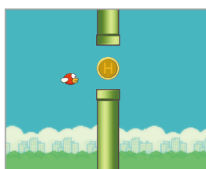
Chestnuts



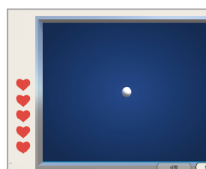
Matching cards



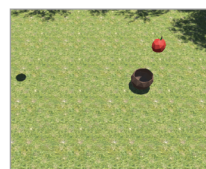
Flappy bird



Dodge



Newton's apple



Specifications

Device size	116.6(L) x 110(W) x 147.5(H) cm	45"(L) x 49"(W) x 59"(H) inches
Weight	250 kgs	485 lbs
Table size	116(L) x 72.5(W) cm	45"(L) x 28.5"(W) inches
Monitor size	27" inches	
Rating	100-240 VAC / 50-60 Hz	Max 2,000 W

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