

RAPAETM

SMART GLOVE

Young Adult Stroke Survivors

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Introductions



Lauren Sheehan, OTD, OTR/L

- Practitioner for 10 years
- First 5 years in Neuro-Rehab Outpatient and Rehab Day Program Settings
- Last 5 years in administration and management
- Recent career change to consulting for neuro-technology company, Neofect

- Who are you??

Overview

- Flagship product is the Rapael Smart Glove
 - Products to be released Smart Board, Smart Pegboard and ExoGlove
- Use of Virtual Reality (VR) for arm and hand rehab for patients after strokes and neurologic injuries and illnesses
- Anyone familiar with VR? Anyone that hasn't heard of VR?

Smart Rehab Products



What's the big idea?

- The Smart Glove uses what we know about brain science:
 - That high numbers of repetitions of task-oriented practice are necessary for arm and hand improvement
 - That individuals are more likely to stick with a program that is fun and engaging

How does it work?

- The Smart Glove communicates wirelessly with a tablet
- The tablet has 40+ games designed to help increase range of motion, coordination and timing



How does it work?

- There is a short evaluation process where range of motion is assessed
- Based on YOUR movement, sequences of games are designed to maximize your training session.
- The challenge of the activities are adjusted depending on your performance.

SCORE

0

02:47

Ext

Flex

100

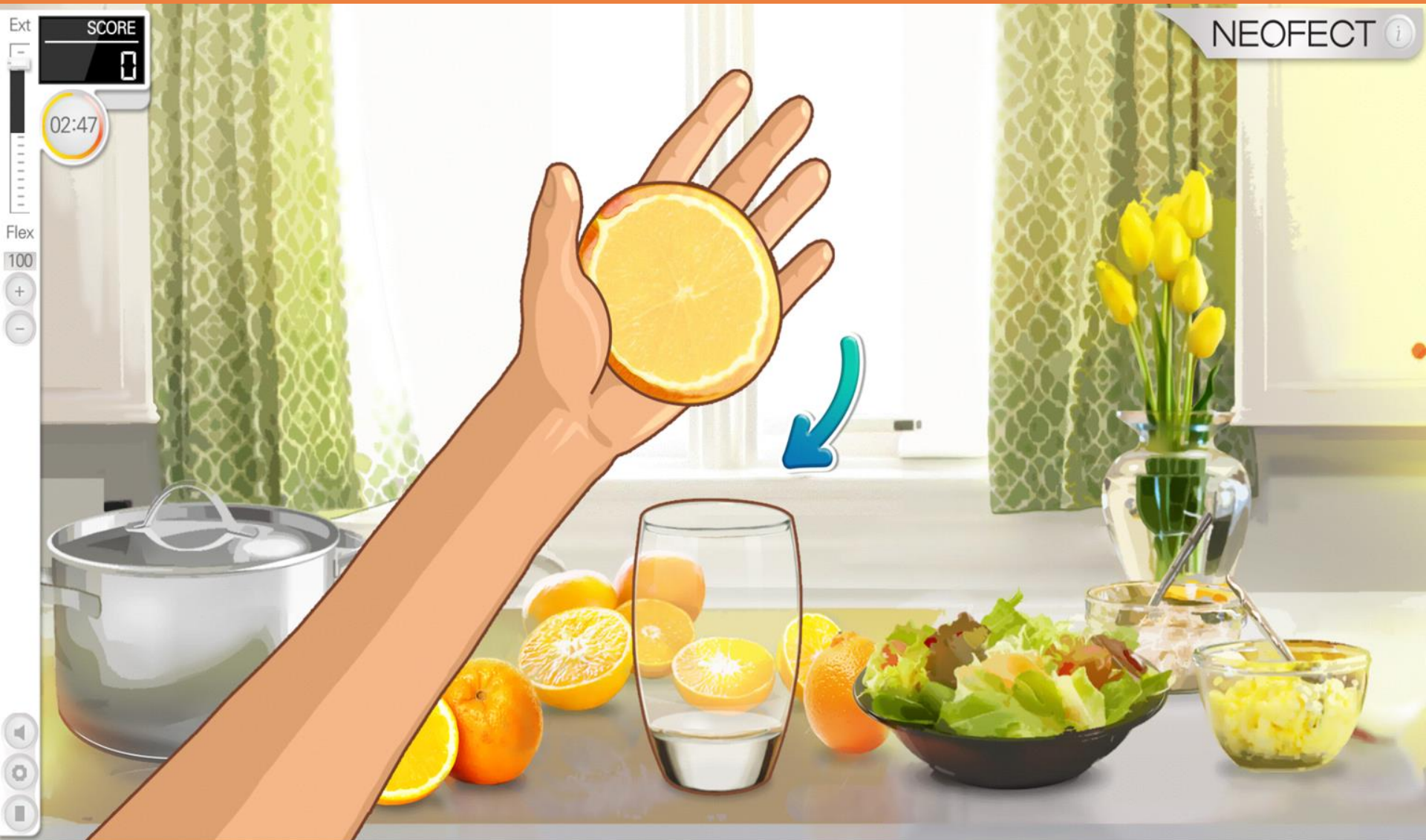
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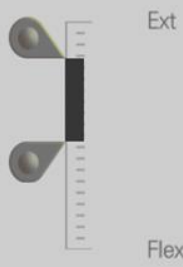
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Remeasure Manual control Reset hold time

Finger Flex/Ext



Not applicable.

Adjust range of AROM using the control button drag.

Reset Save

Ext

SCORE

0

02:39

Flex

100

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Who does it work best for?

- The Smart Glove works best for those that have some (can be very little) movement of the forearm, wrist or hand
- The Smart Glove doesn't help move the hand but gives feedback to improve movement and even with a small amount of motion, patients can be successful!!

SCORE



01:00

Flex



Ext

100



RD



UD

100



AROM measure

Neutral position



Try follow the motion in the picture.

Next



SCORE



01:00

Flex

Ext

RD

UD

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AROM measure

Wrist Flexion/Extension(Eliminated Gravity)

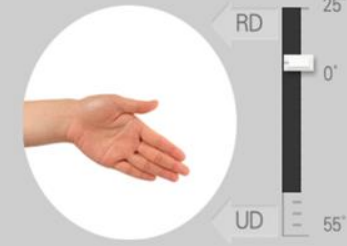


Try follow the motion in the picture.

Back Next

AROM measure

Wrist Radial/Ulnar Deviation



RD 25°
0°
UD 55°

Try follow the motion in the picture.

Back Save

Rapael Home

- \$99/month for subscription
- Free rental: 11" tablet and 1 size of Smart Glove.
- Currently 40+ games for Home Unit
- Home version has artificial intelligence
- NEOFECT takes care of the payment process and customer service (full warranty).
- No commitment needed, risk-free.

Thoughts and Questions?

- What do you think?
- Getting the word out?
- Ideas for activities?



Thank you!!

- Contact me if you want to follow up and trial the program
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