

BASE PACK FOR VECTIS MINI

2025.1

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WHAT IS NEEDED?

Please make sure the PC where you want this module to be active have VAST.Rehab Patient Panel installed and that the following hardware requirements are met:

- Windows 10/11
- Intel Core i5 (8th gen or newer). Important: Avoid ultra-low-power versions (e.g., i5-8250U), as they may not meet performance requirements. Prefer standard or high-performance CPUs.
- Minimum: 8 GB RAM (16 GB or more recommended for optimal performance).

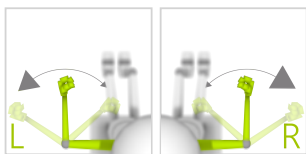


RANGE OF MOTION

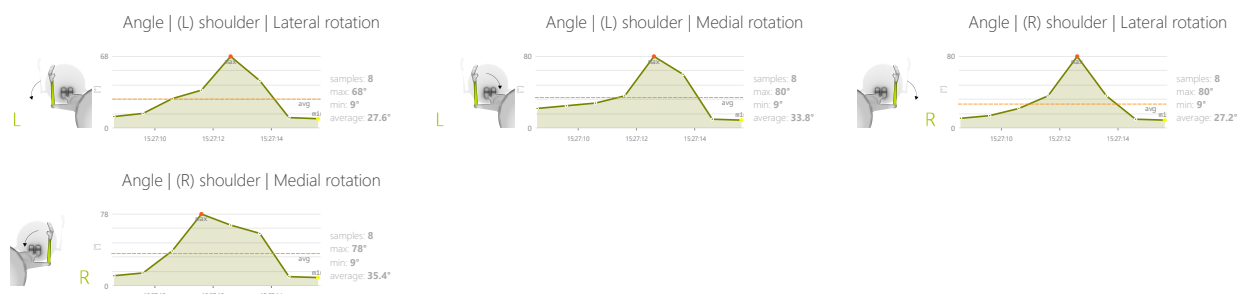
ANGLES EVALUATION

Measure and gently motivate to increase individual's range of motion in predefined movement patterns.

CONTROL MODES



RESULTS



OBJECTIVES

- Range of motion examination



INSTRUCTION FOR PATIENT

Try to achieve best result





SAMPLE SETTINGS





Angular range



start 0° end 80° 


Minitask duration

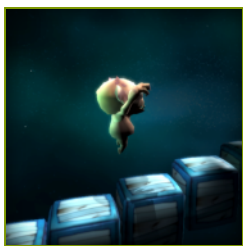
< >

30s

Resistance rubber

< >

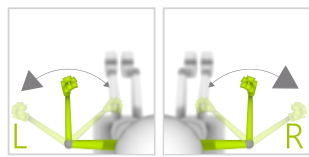
1 



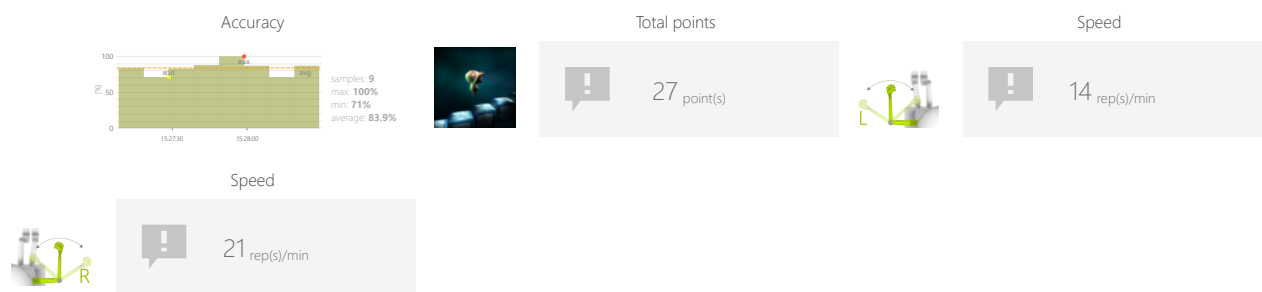
SPEED STAIRS

Measure number of repetitions of specific movement pattern an individual is able to perform within predefined time interval.

CONTROL MODES



RESULTS



ADJUSTMENTS

- Direction
- Task duration
- Start angle
- Shoulder angle
- Max time per floor
- Number of stairs
- Pause length

OBJECTIVES

- Dynamics of planned movements

INSTRUCTION FOR PATIENT

Climb the stairs before they disappear.



SPEED STAIRS

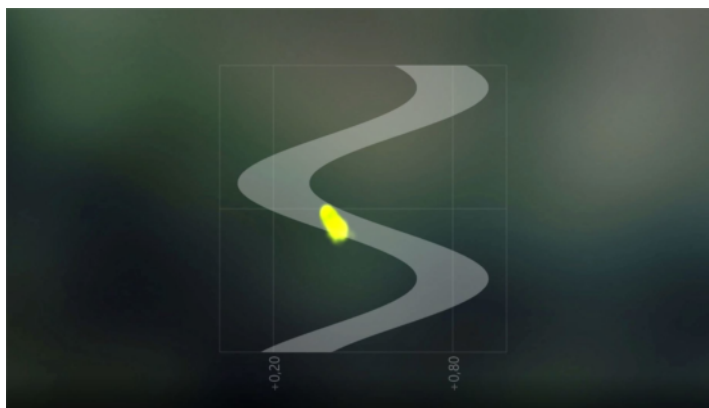
SAMPLE SETTINGS



◀	Difficulty custom	▶
Duration < 90s >		Angular range start ? end ?
Range adjustment 0% ↔ 100% ? ↔ ?		Max time per floor < 15s >
		Number of stairs < 5 >
Pause length < 3 >		Resistance rubber < 1



SAMPLE SETTINGS



Difficulty **3/3**

Graph configuration

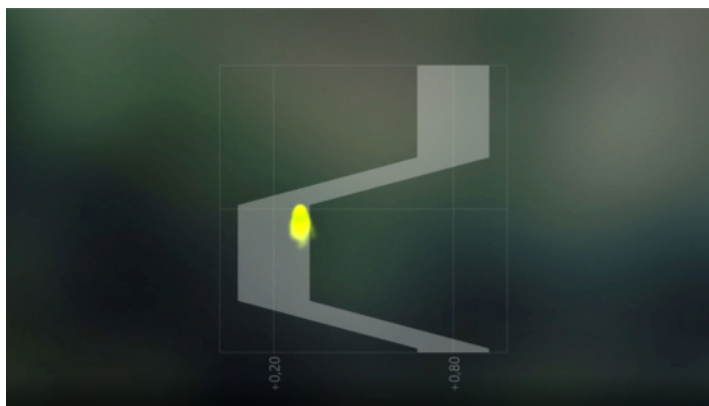
Duration: 4.0s \pm 20%

Duration **30s**

Angular range

Range adjustment 0% \leftrightarrow 100%

Resistance rubber **1**



Difficulty **1/3**

Graph configuration

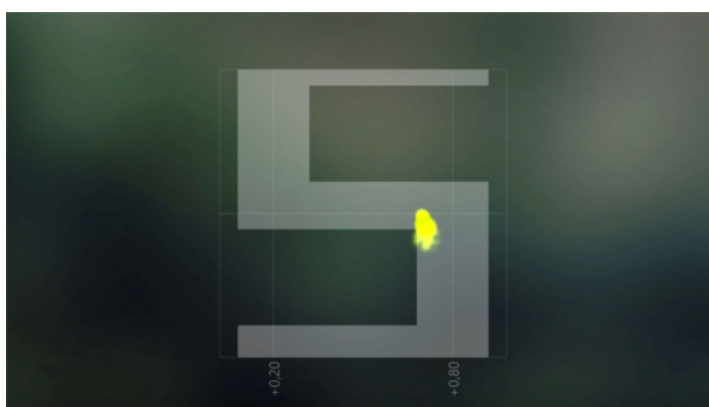
Duration: 4.0s \pm 40%

Duration **90s**

Angular range

Range adjustment 0% \leftrightarrow 100%

Resistance rubber **1**



Difficulty **custom**

Graph configuration

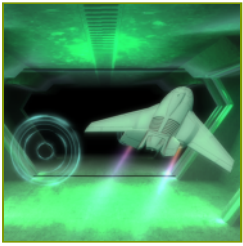
Duration: 4.0s \pm 20% \uparrow 2.0s \downarrow 2.0s \nearrow 1.0s \nwarrow 1.0s

Duration **30s**

Angular range

Range adjustment 0% \leftrightarrow 100%

Resistance rubber **1**

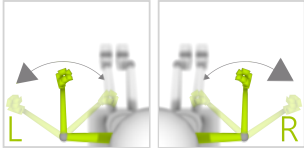


FUNCTIONAL MOVEMENTS

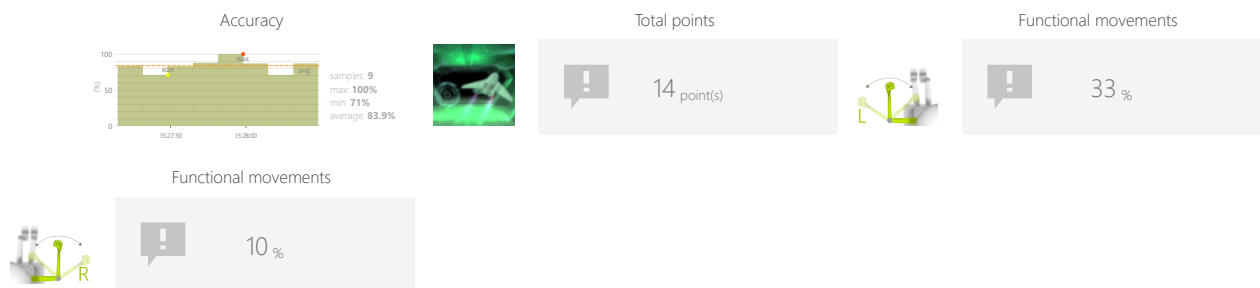
AIRPLANE

Measure and train individual's skills to perform movements based on real-world situational biomechanics. They usually involve multi-planar, multi-joint movements which place demand on the body's core musculature and innervation.

CONTROL MODES



RESULTS



ADJUSTMENTS

- Speed
- Direction
- Task duration
- Start angle
- Shoulder angle

OBJECTIVES

- Focusing
- Perceptivity
- Movement precision
- Predicting the trajectory of objects in 3D space

INSTRUCTION FOR PATIENT

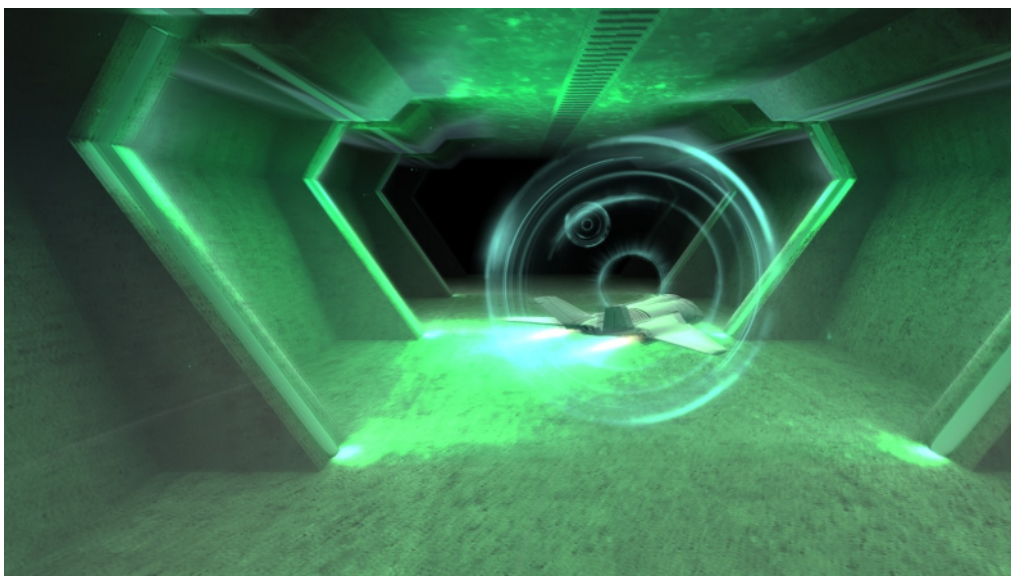
Make the airplane fly through the circles. The closer to the center it flies the more points you get.


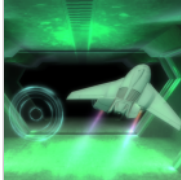


FUNCTIONAL MOVEMENTS

AIRPLANE

SAMPLE SETTINGS





◀

Difficulty
2/4

▶

<

Speed
100%

>



speed set automatically

<

Duration
90s

>

<

Angular range

start ? end ? 


>

<

Range adjustment
0% ↔ 100%
? ↔ ?

>

<

Resistance rubber
1 

>

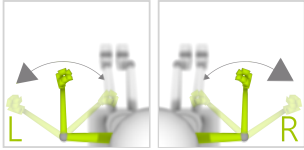


FUNCTIONAL MOVEMENTS

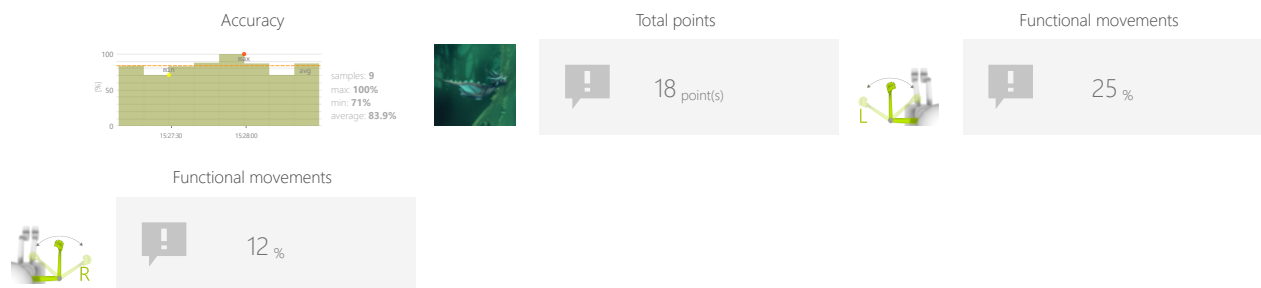
DRAGON

Measure and train individual's skills to perform movements based on real-world situational biomechanics. They usually involve multi-planar, multi-joint movements which place demand on the body's core musculature and innervation.

CONTROL MODES



RESULTS



ADJUSTMENTS

- Direction
- Task duration
- Start angle
- Shoulder angle
- Coins group size
- Distance between coins
- Gravity force

OBJECTIVES

- Predicting the trajectory of objects
- Improve range of motion
- Visual motor coordination
- Muscle strengthening
- Planning and Strategy

INSTRUCTION FOR PATIENT

Fly and collect the coins.



FUNCTIONAL MOVEMENTS

DRAGON

SAMPLE SETTINGS



◀	Difficulty custom	▶
Duration 90s		Angular range start ? end ?
Range adjustment 0% ↔ 100% ? ↔ ?		Coins group size 3
		Distance between coins 250%
Gravity force 100%		Resistance rubber 1



◀	Difficulty 1/3	▶
Duration 90s		Angular range start ? end ?
Range adjustment 0% ↔ 100% ? ↔ ?		Coins group size 5
		Distance between coins 250%
Gravity force 100%		Resistance rubber 1

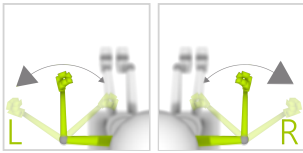


FUNCTIONAL MOVEMENTS

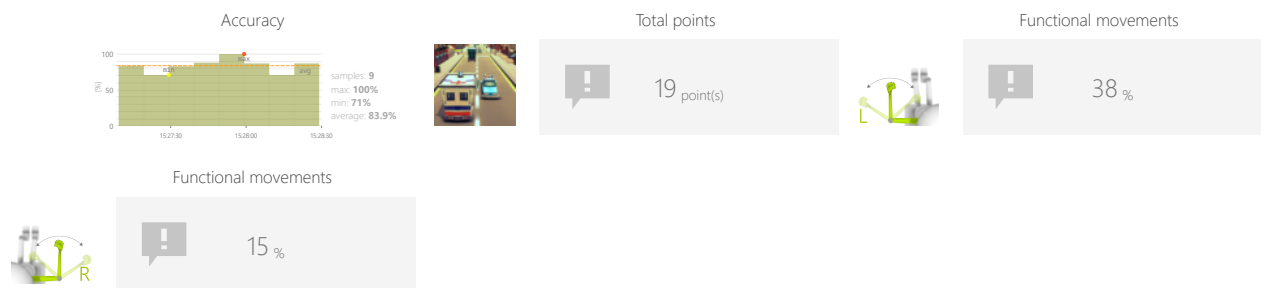
AMBULANCE

Measure and train individual's skills to perform movements based on real-world situational biomechanics. They usually involve multi-planar, multi-joint movements which place demand on the body's core musculature and innervation.

CONTROL MODES



RESULTS



ADJUSTMENTS

- Speed
- Direction
- Task duration
- Start angle
- Shoulder angle
- Distance between cars

OBJECTIVES

- Dynamics of planned movements
- Focusing
- Speed of decision making
- Visual motor coordination

INSTRUCTION FOR PATIENT

Go as fast as you can and avoid hitting other cars.





FUNCTIONAL MOVEMENTS

AMBULANCE

SAMPLE SETTINGS





Difficulty
2/3

Speed
50%
speed set automatically

Duration
90s



Angular range
start ? end ?

Range adjustment
0% ↔ 100%
? ↔ ?

Distance between cars
50%

Resistance rubber
1





Difficulty
custom

Speed
50%
speed set automatically

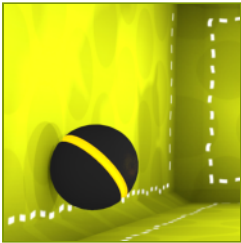
Duration
90s

Angular range
start ? end ?

Range adjustment
0% ↔ 100%
? ↔ ?

Distance between cars
200%

Resistance rubber
1

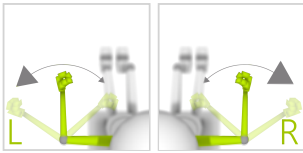


FUNCTIONAL MOVEMENTS

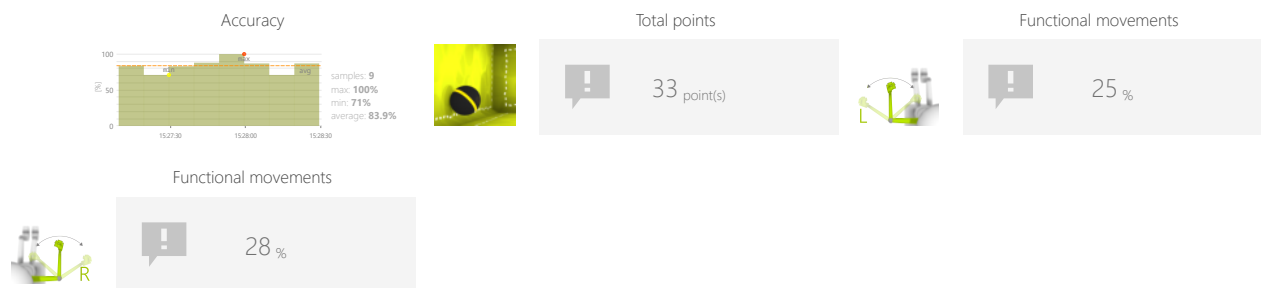
ARCANOID

Measure and train individual's skills to perform movements based on real-world situational biomechanics. They usually involve multi-planar, multi-joint movements which place demand on the body's core musculature and innervation.

CONTROL MODES



RESULTS



ADJUSTMENTS

- Direction
- Task duration
- Start angle
- Shoulder angle
- Reticle size
- Speed of objects

OBJECTIVES

- Dynamics of planned movements
- Predicting the trajectory of objects in 3D space
- Visual motor coordination

INSTRUCTION FOR PATIENT

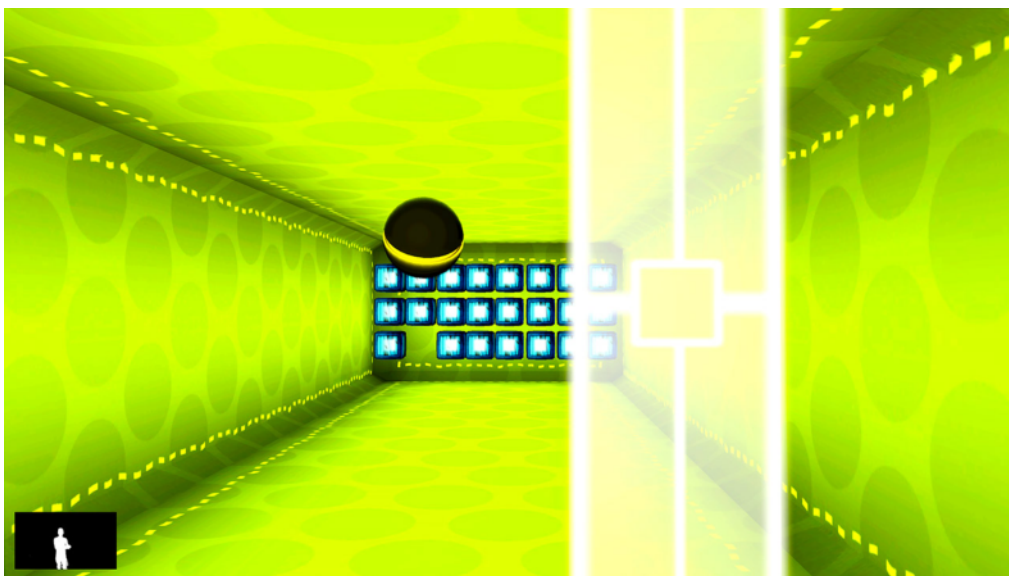
Destroy as many boxes as you can.



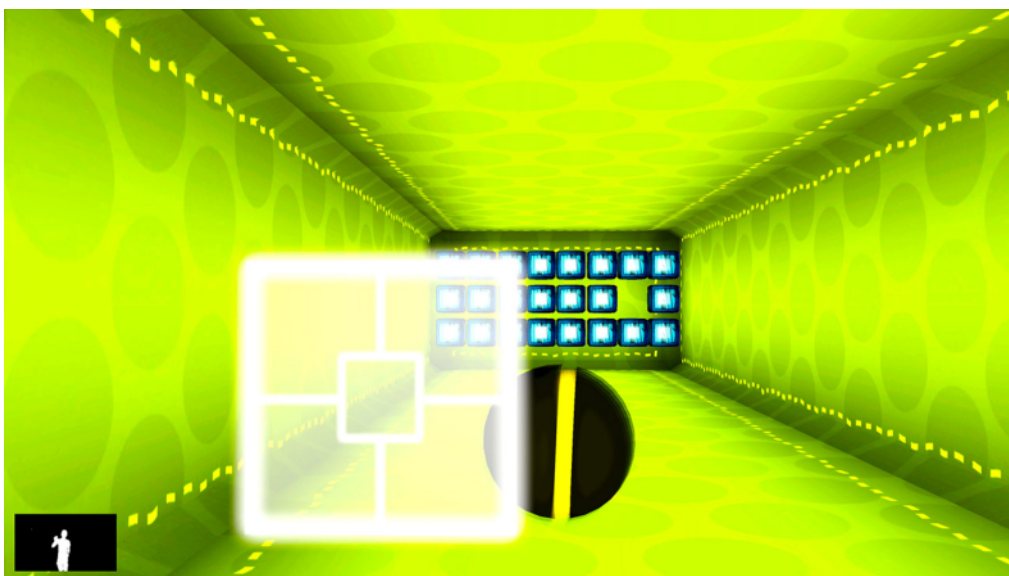
FUNCTIONAL MOVEMENTS

ARCANOID

SAMPLE SETTINGS



Difficulty custom	
Duration 90s	Angular range start ? end ?
Range adjustment 0% ↔ 100% ? ↔ ?	Reticle size 100%
	Speed of objects 70%
Resistance rubber 1	



Difficulty custom	
Duration 90s	Angular range start ? end ?
Range adjustment 0% ↔ 100% ? ↔ ?	Reticle size 75%
	Speed of objects 70%
Resistance rubber 1	

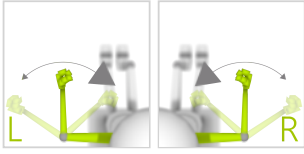


STRENGTH

STRENGTH TEST

Measure and gently motivate to increase individual's force while performing predefined movement patterns.

CONTROL MODES



ADJUSTMENTS

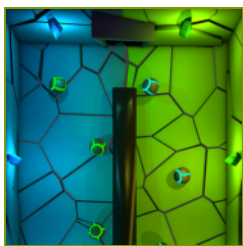
- Direction
- Time to complete action
- Start angle
- Shoulder angle

OBJECTIVES

- Strength examination
- Muscle strengthening

INSTRUCTION FOR PATIENT

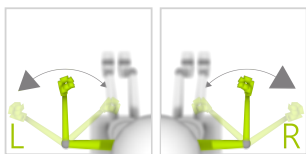
Try to achieve best result



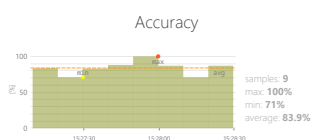
DIVIDED ATTENTION SORTER

Measure and train individual's skills to successfully execute more than one action at a time, while paying attention to two or more channels of information.

CONTROL MODES



RESULTS



Total points

32 point(s)



Divided attention

35 %

ADJUSTMENTS

- Direction
- Task duration
- Start angle
- Shoulder angle
- Number of objects
- Gap size
- Speed of objects

OBJECTIVES

- Predicting the trajectory of objects
- Focusing
- Perceptivity
- Movement precision
- Exercise with or without support from healthy limb

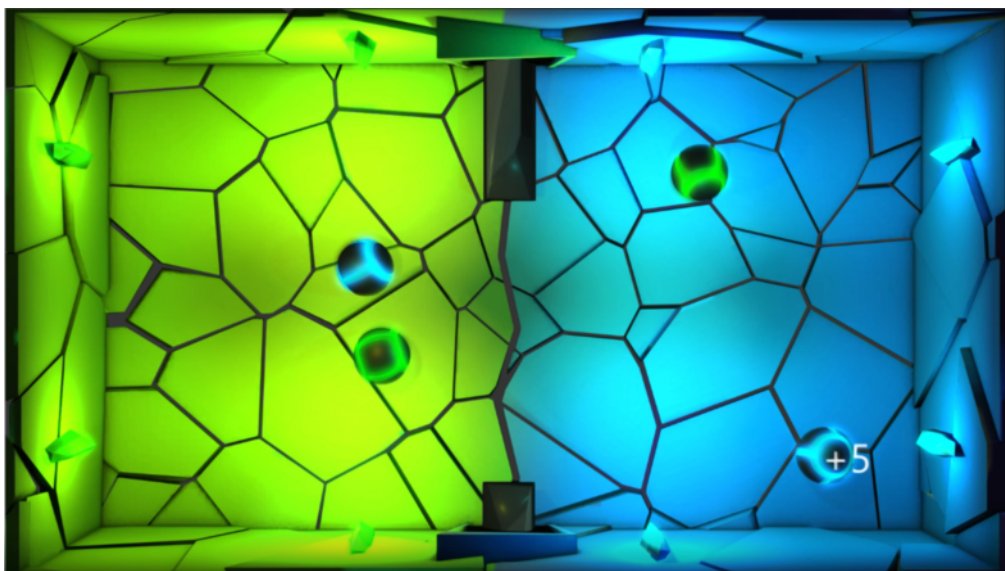
INSTRUCTION FOR PATIENT

Pass or block the balls so that the blue balls are on the blue side and the green balls are on the green side of the screen.

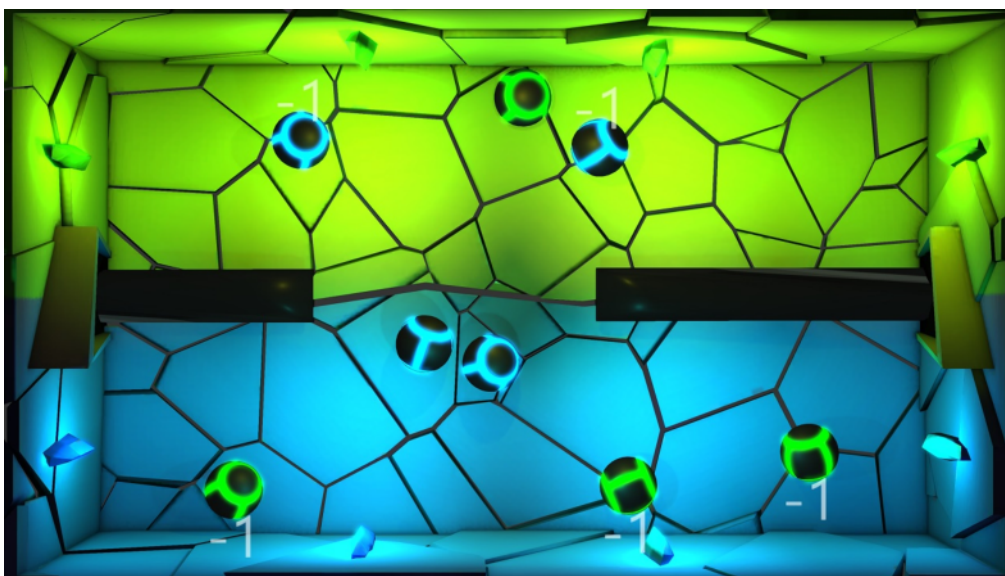


DIVIDED ATTENTION SORTER

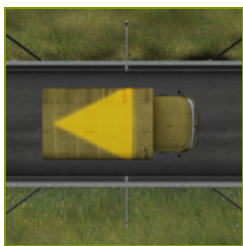
SAMPLE SETTINGS



Difficulty 1/3	
Duration 90s	Angular range start ? end ?
Range adjustment 0% ↔ 100% ? ↔ ?	Number of objects 4
	Gap size 150%
Speed of objects 100%	Resistance rubber 1



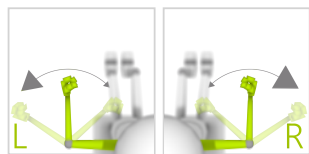
Difficulty custom	
Duration 90s	Angular range start ? end ?
Range adjustment 0% ↔ 100% ? ↔ ?	Number of objects 8
	Gap size 150%
Speed of objects 100%	Resistance rubber 1



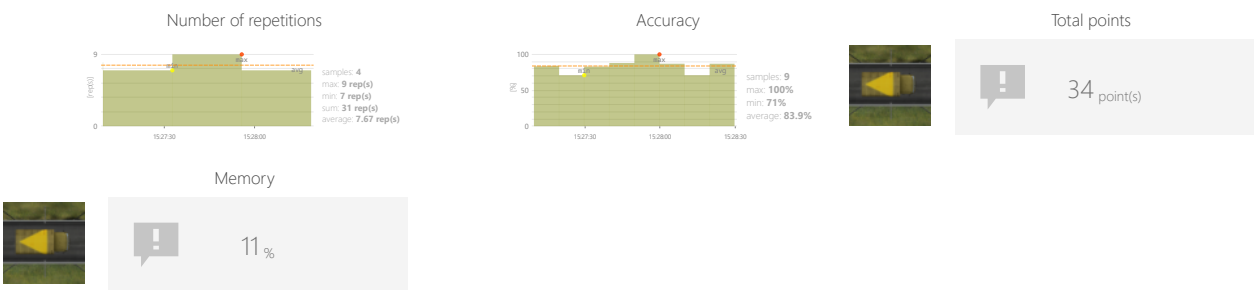
MEMORY TRUCKS

Measure and train individual's skills to memorize information.

CONTROL MODES



RESULTS



ADJUSTMENTS

- Direction
- Task duration
- Start angle
- Shoulder angle
- Variations

OBJECTIVES

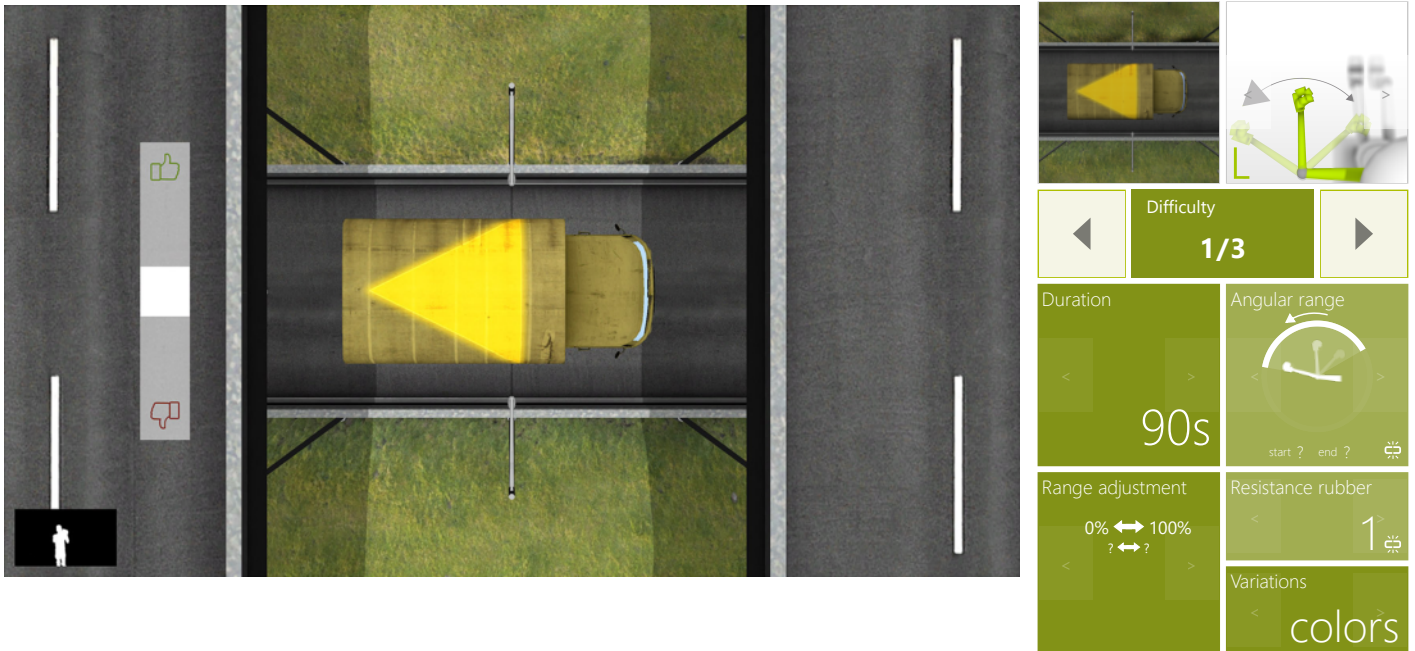
- Logical tasks
- Focusing
- Perceptivity

INSTRUCTION FOR PATIENT

Remember the shape and/or its color on the roof of the car you see. Decide with thumbs up or down whether the next car has the same shape and/or color on the roof as the previous one.



SAMPLE SETTINGS



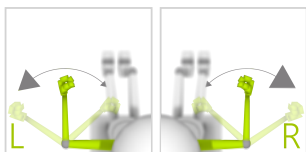


PROBLEM SOLVING

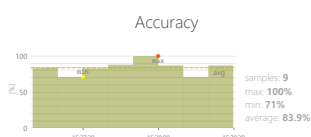
CLONES

Measure and train individual's skills to reach a solution of specific problems. Problem solving may include mathematical or systematic operations and can be a gauge of an individual's critical thinking skills.

CONTROL MODES



RESULTS



Total points

31 point(s)



Problem solving

38 %

ADJUSTMENTS

- Direction
- Task duration
- Time to complete action
- Start angle
- Shoulder angle
- Number of pairs

OBJECTIVES

- Perceptivity
- Visual motor coordination
- Logical tasks

INSTRUCTION FOR PATIENT

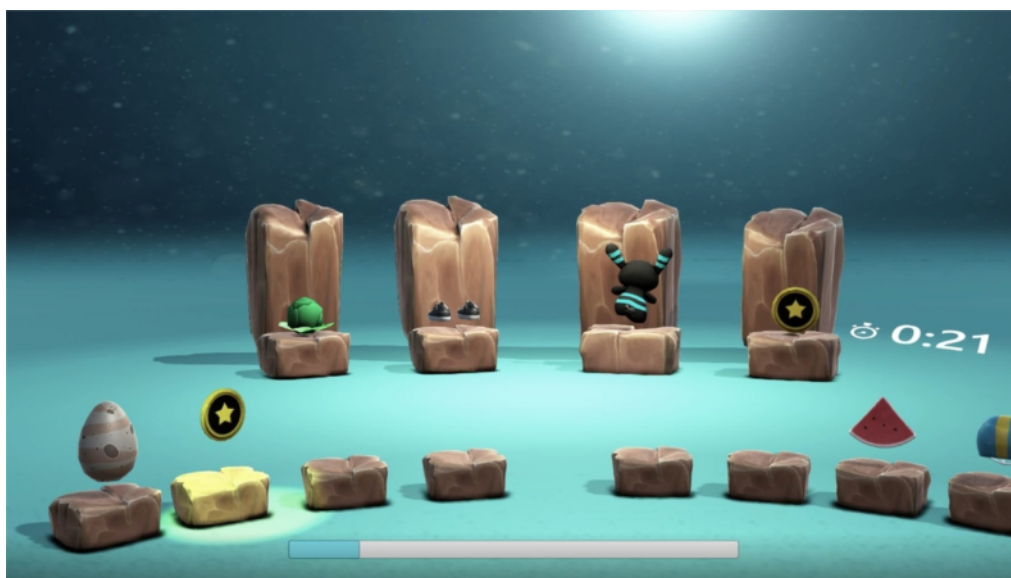
Select the item which has a pair on the screen.



PROBLEM SOLVING

CLONES

SAMPLE SETTINGS



	Difficulty 1/3	
Duration 90s		Angular range start ? end ?
Minitask duration 30s		Range adjustment 0% ↔ 100% ? ↔ ?
Number of pairs 4		Resistance rubber 1



SPECIALIZED

BLOOD PRESSURE

Specialized tasks and evaluations that collect data from multiple categories or do have a unique objectives.

CONTROL MODES



ADJUSTMENTS

- Direction
- Start angle
- Shoulder angle

OBJECTIVES

- Monitor external parameters

INSTRUCTION FOR PATIENT

Measure yourself your blood pressure and type it in the result.