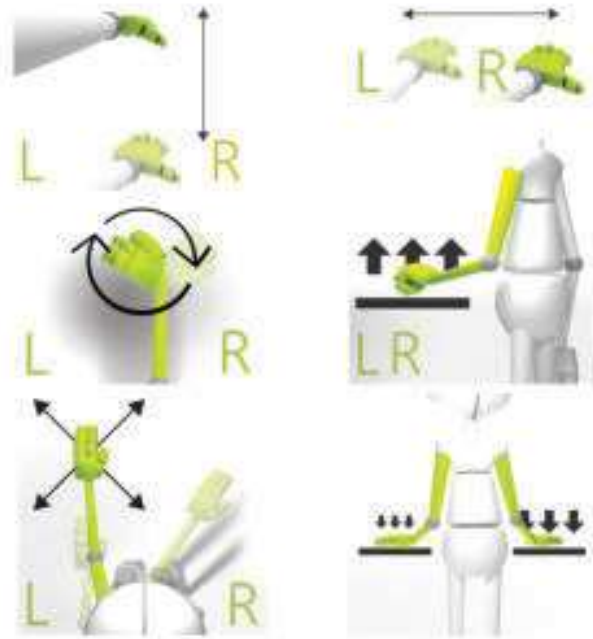


X-Cogni

Upper extremity



X-Cogni is a therapeutic device for motor reeducation of upper extremities, eye-hand coordination and cognitive disorders training. Active, repeated exercises help to regain lost functionality, afferent and efferent stimulation support brain reorganization, while bilateral work supports the work of both hemispheres. Device is typically used in occupational therapy and physiotherapy as therapeutic support, enhancement and intensification in addition to conventional forms of therapy.

Capabilities:

- evaluation of patient's capabilities and prepare individual training: GOnoGo, strength test, precision test, dynamic tests
- possibility to work with active movement in space, rotation and push-pull mode
- tools for different grips (cylindric, pinch), daily activities (cup)
- sensitive but resistant touch screen allows to work with fingers, thenar and many additional tools (eg. pen)
- easy adjustment of height and tilt of the table allows to work children, adults, patients in the wheelchair and in hospital bed
- stable construction and safety (sensor to detect obstacles during changing height)
- virtual reality supporting patient motivation and faster therapeutic progress
- therapy of cognitive disorders: divided attention, memory, problem solving
- templates for testing and training programs and the ability to create user exercises with integrated real-time biofeedback



Benefits:

- improved cognitive abilities
- improved movement precision and eye-hand precision
- increased muscle strength and coordination