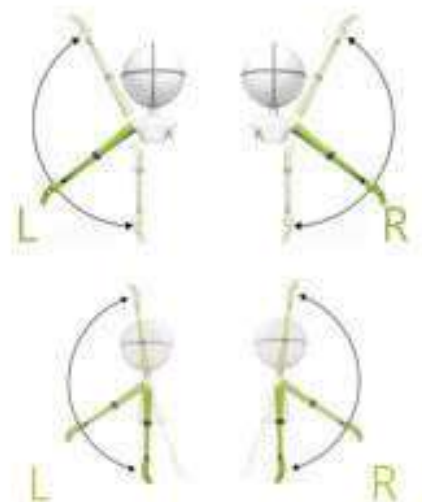


Vectis

Upper extremity



Vectis is designed for efficient rehabilitation of the shoulder joint. Device works in open kinematic chain which is focused on specific, isolated exercises of agonist and synergistic muscles of upper extremities. It is used for therapy of frozen shoulder, osteoarthritis, tendon or ligament inflammations and rotator cuff dysfunctions. Device allows to work with shoulder movement.

Capabilities:

- evaluation and training of the range of motion
- evaluation of maximal strength
- dynamic and isometric exercises
- comparison of flexors and extensors muscle's strength and left to right arm parameters
- 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:

- increased range of motion through active movements
- increased muscle strength and endurance
- improved stabilization of joints by proprioceptive reeducation
- improved muscle coordination

