SYREBO

Upper Limb Rehabilitation Robot

SY-UEA2

80⁺ Countries & regions **3000⁺** Medical units **50000⁺** Families

Providing innovative rehabilitation products & services
for hospitals/communities/families

WhatsApp

Shanghai Siyi Intelligent Technology Co., Ltd.

Website: www.syrebo.com E-mail: info@syrebo.com Mobile&WhatsApp: (+86) 17317983724

Office: (+86) 400-6886-275 Address: 2F, Building 13, 2388 Xiupu Road, Pudong New Area, Shanghai

CE FDA ISO

Syrebo®

Upper Limb Rehabilitation Robot SY-UEA2

Syrebo® Upper Limb Rehabilitation Robot adopts a full-featured mobile chassis and high-precision optical positioning technology, providing users with various effective target-oriented training to enhance upper limb strength, speed, and accuracy, and reshape upper limb functionality.

Product Features

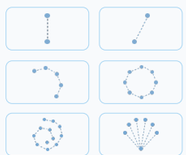
Light-weight, portable
Easy to use

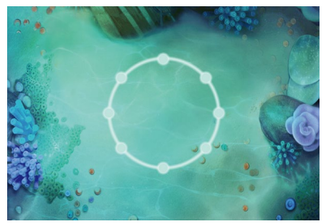
Weighs only 8kg, meeting various scenarios, such as bedside and training room

Diversified customizable training programs

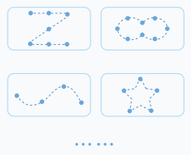
- Passive training in the immersive scenes to stimulate the brain’ s consciousness

Pre-set trajectory



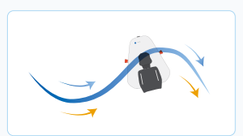


Customize trajectory



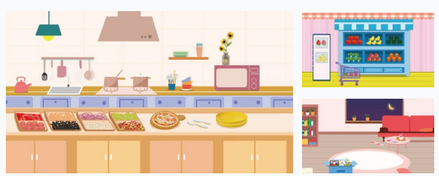
- Integrated with rehabilitation theory to stimulate active participation and induce normal exercise

Assistance training



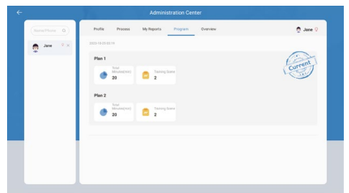
Resistance training

- Situational interaction under task-oriented training, audio-visual haptic feedback

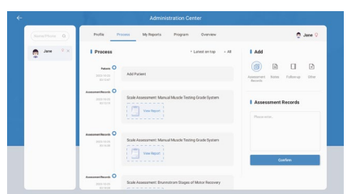


Intelligent data analysis & evaluation

- Support multi-project training planning

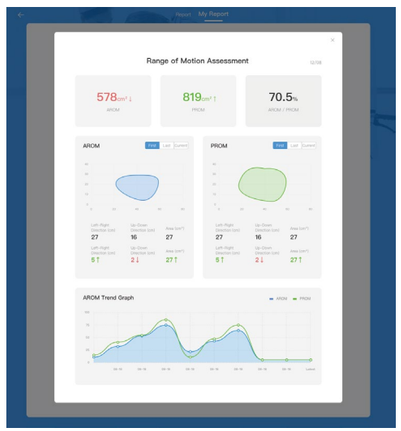


- Combine the evaluation with the training data to quantitatively manage the rehabilitation process



Multi-dimensional feedback

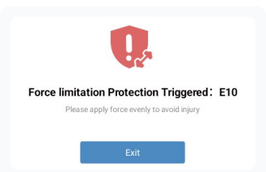
- Speed, strength, range and other parameters are monitored in real-time during training. According to the real-time feedback, the therapist can adjust the rehabilitation training plan in time to achieve closed management of the process.



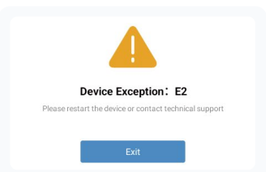
Multi-dimensional training

Modes	Program	Modes	Program
Muscle strength training	Full coverage of 0-5 muscle stength	ADL training	Movement training for ADLs
ROM training	Shoulder joint, hand joint ROM training	Coordination training	Finger coordination training
Cognition training	Attention, memory, calculation, etc.	Scene training	Guide users to participate actively

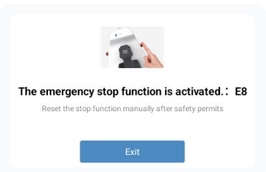
All-round safety protection



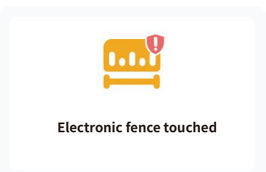
Force limitation protection



Overload protection



Emergency stop



Electronic fence

Clinical Evidence

1. In comparison with conventional therapy, the robot-assisted rehabilitation is more effective in improving upper limb motor function recovery, especially in chronic stroke patients. The present systematic review shows that the use of robotic devices can positively affect the recovery of arm function in patients with stroke.


Neurol Sci
DOI 10.1007/s10072-017-2995-5

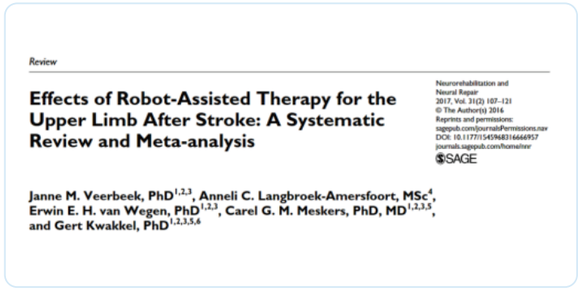
REVIEW ARTICLE

Effects of robot-assisted upper limb rehabilitation in stroke patients: a systematic review with meta-analysis

Rachele Bertani[1] · Corrado Melegari[3] · Maria C. De Cola[2] · Alessia Bramanti[2] · Placido Bramanti[2] · Rocco Salvatore Calabrò[2]

Reference: Bertani R, Melegari C, De Cola MC, Bramanti A, Bramanti P, Calabrò RS. Effects of robot-assisted upper limb rehabilitation in stroke patients: a systematic review with meta-analysis. Neurol Sci. 2017 Sep;38(9):1561-1569.

2.Robot-assisted therapy for the paretic upper limb allows patients to increase the number of repetitions and hence intensity of practice poststroke, and appears to be a safe therapy.


Review

Effects of Robot-Assisted Therapy for the Upper Limb After Stroke: A Systematic Review and Meta-analysis

Neurorehabilitation and Neural Repair
2017, Vol. 31(2) 107–121
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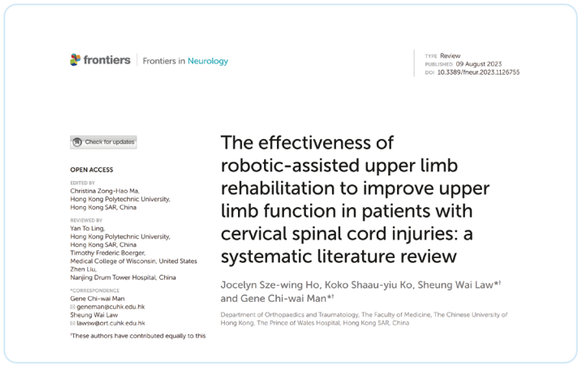
SAGE

Janne M. Veerbeek, PhD[1,2,3], Anneli C. Langbroek-Amersfoort, MSc[4], Erwin E. H. van Wegen, PhD[1,2,3], Carel G. M. Meskers, PhD, MD[1,2,3,5], and Gert Kwakkel, PhD[1,2,3,5,6]

Reference: Veerbeek JM, Langbroek-Amersfoort AC, van Wegen EE, Meskers CG, Kwakkel G. Effects of Robot-Assisted Therapy for the Upper Limb After Stroke. Neurorehabil Neural Repair. 2017 Feb;31(2):107-121.

3.Robot-assisted therapy is a promising intervention approach to improve upper limb function in participants with spinal cord injury. Robot-assisted therapy was shown to be safe, feasible and reduces active therapist time.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EDITED BY
Christina Zong-Hao Ma,
Hong Kong Polytechnic University,
Hong Kong SAR, China

REVIEWED BY
Yan To Ling,
Hong Kong Polytechnic University,
Hong Kong SAR, China
Timothy Frederic Boerger,
Medical College of Wisconsin, United States
Zhen Liu,
Nanjing Drum Tower Hospital, China

*CORRESPONDENCE
Gene Chi-wai Man
genemanjc@cuhk.edu.hk
Sheung Wai Law
lawsw@ort.cuhk.edu.hk

†These authors have contributed equally to this

The effectiveness of robotic-assisted upper limb rehabilitation to improve upper limb function in patients with cervical spinal cord injuries: a systematic literature review

Jocelyn Sze-wing Ho, Koko Shaau-yiu Ko, Sheung Wai Law*† and Gene Chi-wai Man*†

Department of Orthopaedics and Traumatology, The Faculty of Medicine, The Chinese University of Hong Kong, The Prince of Wales Hospital, Hong Kong SAR, China

Reference: Ho JS-w, Ko KS-y, Law SW and Man GC-w (2023) The effectiveness of robotic-assisted upper limb rehabilitation to improve upper limb function in patients with cervical spinal cord injuries: a systematic literature review. Front. Neurol. 14:1126755.

Indication for Use

Patients with upper limb dysfunction caused by stroke, brain injury, cerebral palsy, hand trauma, parkinson's disease, lymphedema, alzheimer, etc.

Standard Accessories

Name	Qty
Host	1pc
Height-adjustable desk	1pc
Control box	1pc
Keyboard & mouse	1set
Strap	1set
Hand module accessories	1set
HDMI cable	1pc
Host cable	1pc
User manual	1pc