

Industry Workshop

Workshop Title

The use of lower-limb exoskeletons in clinical practice: Official launch of the ABLE Exoskeleton

Workshop Responsible

Katlin Kreamer-Tonin (ABLE Human Motion)

Speakers

Ruediger Rupp, Mark Wright, Franziska Herzog, Alfons Carnicero, Katlin Kreamer-Tonin, Helena Lopez

Attendee Engagement

Attendees will enjoy a live demonstration of the ABLE Exoskeleton®, in which two individuals with spinal cord injury (SCI) at different neurologic levels will walk with this new robotic device. Attendees will discuss in small groups the benefits and limitations of the device, interacting with SCI individuals, experienced clinical professionals from leading rehabilitation institutions, and technology experts from ABLE.

Abstract

ABLE Human Motion announces the launch of its first product: the ABLE Exoskeleton® at RehabWeek 2022! In this workshop, participants will have the opportunity to learn how this new device can be integrated into clinical practice from experts in neurorehabilitation at Heidelberg University Hospital (Germany) and Institut Guttmann (Spain). They will learn how the device works and then apply that knowledge to two case studies of individuals with spinal cord injury (SCI) at different neurologic levels, who will perform a live demonstration walking with the ABLE Exoskeleton®. Attendees will receive input and feedback from the two SCI individuals, ABLE engineers and clinicians who have worked with the ABLE Exoskeleton® at their rehabilitation institutions.

The ABLE Exoskeleton® is a robotic device for clinical use that assists paraplegic individuals to stand up and walk. Once regulatory approval is complete, it will become the lightest exoskeleton in the market and will offer unique features for patients and clinicians, such as quick fitting, intuitive use, user-initiated steps and variable levels of assistance. The device is accompanied by ABLE Care®, a mobile app that enhances the rehabilitation experience, enabling a more personalized, motivating and data-driven therapy. It also comes at a price point that makes it accessible to all sizes of clinical institutions.

Disclaimer: the ABLE Exoskeleton® is in the process of obtaining CE Mark clearance as a medical device, and therefore not commercially available yet. However, you can now pre-order your device with a special discount for RehabWeek attendees (limited availability). For more information contact hello@ablehumanmotion.com