

With the help of a robot, patients will now receive twice as many rehabilitation sessions of the hip and leg area

The capacity for an important type of rehabilitation is now doubled at the West Danish Center for Spinal Cord Injury in Viborg. The center has invested in the rehabilitation robot ROBERT® from Life Science Robotics ApS. Employees can now look forward to a better working environment with significantly fewer heavy lifts, while patients can return home earlier.

After a successful development collaboration with Life Science Robotics, the West Danish Center for Spinal Cord Injury at the Regional Hospital Viborg, has now purchased one rehabilitation robot ROBERT®.

"After a month of probation and testing, performed by a focus group composed of therapists from different treatment sites, the center is now convinced that ROBERT® can carry out the tasks required by the nurses", says lead therapist at Vestdansk Center for Spinal Cord Injury, Lasse Thulstrup. He continues:

"We did a trial run with ROBERT® in February and gained experience, which we brought together in a focus group consisting of people from Life Science Robotics and therapists from different treatment sites. Life Science Robotics showed great responsiveness to our new feature suggestions. Therefore, Robert is now able to solve all our given tasks. We are very much looking forward to working with the robot."

Good for both patients and therapists

With ROBERT® on the team, the working environment for the staff improves, as they avoid many heavy repetitive lifts and the patients receive more training.

"ROBERT® can, after programming a motion, perform the exercises with the patient itself, while the therapist moves on to the next patient. This increases our output from 8 to 16 patients per shift for each therapist. This doubles our capacity. And the more you train, the better you'll get. The more you train, the faster you'll recover", says Lasse Thulstrup. He is also very pleased with the improvement of the working environment:

"There are certain exercises that are really hard for the staff to perform on the patient. For example, a leg may need to be lifted 100 times. Now you can make use of the robot and thus avoid attrition."

Great interest in ROBERT®

The regional hospital in Viborg is not the only one interested in robot technology. Keld Thorsen, CEO of Life Science Robotics, explains:

"Now Hanover University Hospital is testing the technology with a highly respected professor at the forefront. He is president of the German Rehabilitation Association and therefore a key opinion leader."



Moreover, Hanover is one of the leading rehabilitation hospitals in Germany. We have been on kind of a road show, where we have visited Göttingen, Munich, Berlin and Hanover. There are approximately 80 university hospitals and an ocean full of rehabilitation clinics in Germany. We therefore see a potential of a few hundred robots over a couple of years."