

CASE STUDY

Assessing the Impact of S-Press on Hospital Rehabilitation

The East Midlands Academic Health Science Network (EMAHSN) have agreed to fund a demonstrator project to evaluate the S-Press, a portable, therapeutic-level leg-strengthening device, in in-hospital exercise and rehabilitation. The S-Press is versatile and offers adjustable resistance levels from 3kg to 20kg, targeting all crucial leg muscles needed for sit-to-stand actions.

This device, designed to be used conveniently in bed or chair, aims to break barriers in in-hospital exercise and rehabilitation. The EMAHSN project focused on understanding its potential to improve muscle growth and exercise capacity, which could revolutionise rehabilitation and patient outcomes.

Method:

The S-Press project will take place within a number of settings at Northamptonshire Healthcare NHS Foundation Trust (NHFT), testing the research claims associated the device.

As part of the project development phase, the EMAHSN Analytics and Evaluation Service (AES) offered guidance on determining the metrics needed to evaluate the trial's success.

A benefits workshop was organised, which included key stakeholders from NHFT and JTR rehab, the creators of S-Press.

Participants identified the potential benefits, drawbacks, and mitigating factors of implementing the device and discussed the appropriate metrics for evaluating the trial.

"The Benefits workshop revealed valuable insights into the diverse advantages of the S-Press, spanning organisation, patient-centeredness, and strategy. Examining the connections and flow between systems and benefits clarified strengths, weaknesses, and the necessary steps for procurement and adoption in the NHS. Glen, the engaging session leader, provided external validation and consolidated our beliefs. A powerful experience for the S-Press developer." - Jennifer Turner, Founder and Director

Anticipated Results:

The workshop facilitated gave a comprehensive understanding of the expected outcomes and potential challenges of implementing S-Press.

The collaboration between stakeholders resulted in identifying relevant metrics to evaluate the trial effectively.

With these metrics in place, the real-world demonstrator project is set to commence in Summer 2023, aiming to capture the impact of S-Press on patients' rehabilitation progress and overall hospital stay duration.



Conclusion:

This collaborative assessment highlights the value of teamwork in evaluating the effectiveness of innovative medical devices such as S-Press.

Through the workshop, stakeholders have established a clear framework for assessing the trial's success.

The results of the real-world demonstrator project will provide valuable insights into the potential of S-Press for improving in-hospital exercise and rehabilitation, informing its possible adoption in other departments and organisations beyond NHFT.



Contact us

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