





Acceptability of Lycra Sleeve for the management of Glenohumeral Subluxation in People with Stroke: Nurses and Therapists' Perceptions

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INTRODUCTION

RESULTS

 Glenohumeral subluxation (GHS) is reported in up to 81% of patients • **31 stroke survivors** were included in the feasibility study. Nurses (n=10), Nursing assistants (n=5), Physiotherapists (n=10), Occupational therapists (n=8) and therapy technicians (n=3)

with stroke

- Previous studies have found that a Lycra sleeve can reduce subluxation gap in small samples of people with chronic stroke (n=5; n=6).
- Prior to testing its effectiveness, we need to understand if Lycra Sleeve is an acceptable form of treatment.



The aim was to explore staff (Therapists and Nurses) perceptions regarding the use of the Lycra Sleeve whilst delivering care and rehabilitation to patients with provided feedback relating to one or more of the patients included.

- The majority of respondents (>80%) found that: training and information received was
 appropriate; the patient received the right sized sleeve; and that putting on and taking off the
 sleeve was easy.
- Some staff from outside the hospital setting requested more training and information.
- There was uncertainty about if the sleeve allowed more engagement in rehab or altered resting alignment of the limb.
- Nurses agreed (76%) that the sleeve allowed engagement in daily activities.
- On average it took a minute and a half to put on (96 seconds) to put the sleeve on.
- In 2 cases the sleeve did not fit the patient's arm well and was therefore not tolerated.
- Only few adverse effects were reported: Minor marking or redness of the skin was most common (although for only 3 patients). There were isolated reports of excessive heat, sweating and itching as well as mild swelling or pain related to the sloove

stroke.

METHODS

feasibility trial, As Of part a questionnaires were used to explore staff's perceptions. Staff were provided training on the application of the Lycra sleeve. Two separate questionnaires were developed to tailor towards nurses and therapists. Patients wore the sleeve for 3 months (in hospital and following discharge). The questionnaire consisted of questions on a 7 point Likert Scale with 1- Entirely disagree to 7- Entirely

and itching, as well as mild swelling or pain related to the sleeve.

- Therapists were generally unsure (50%) about recommending the sleeve for longer term use
 - citing a need for more clarity of evidence or benefit before they could do this.





CONCLUSIONS

agree categories. In addition, there

were free-text boxes for additional

comments. Data was analysed using

descriptive statistics and thematic

analysis.

REFERENCE

Kumar P (2019) The effects of Lycra arm sleeves on Glenohumeral Subluxation in Post-stroke Hemiplegia A Preliminary Study. Journal of Prosthetics and Orthotics.31(1):70-75 The use of a Lycra sleeve, as an adjunct to therapy, is acceptable to nurses and therapists and is not

a burden or hindrance to nursing care or therapy in either hospital, nursing home or home

environments. Understanding the purpose of the sleeve, providing basic training and defining

potential benefit would be necessary in the larger scale study.

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Acknowledgements

1) Above and Beyond (charity) University Hospitals Bristol NHS Foundation Trust. 2) Jobskin Ltd UK, for supplying the Lycra Sleeve