

Rehabilitation of Stage One Scapholunate instability (ReSOS): An online survey of UK practice. Mr. Martin K Holmes, 1,2,3 Dr. Caroline Miller, 3 Mr. Michael Mansfield. 1

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Introduction and Aims

Scapholunate (SL) instability is one of the most frequent types of wrist instability, but its optimal management has not been established.

- 1. What are the current conservative management strategies of stage 1 SL instability in UK clinical practice?
- 2. How do clinicians measure effectiveness of current conservative management strategies of stage 1 SL instability in UK clinical practice?

Methods

- A cross-sectional online survey was developed using a CROSS¹ guideline with reference to a clinical vignette.
- Purposive sample of Physiotherapists (PTs) and Occupational Therapists (OTs) with experience in ReSOS within the UK.
- 2 stages of piloting completed.
- Frequency of treatment strategies were collated via a 5-point Likert-type scale.
 Evaluation strategies via fixed response answers.
- Data were analysed descriptively. Treatment responses were grouped into frequently reported (never & rather infrequently).



Fig 1. Frequently used treatments 3-6 weeks

Fig 2. Frequently used treatments after 7 weeks

Results

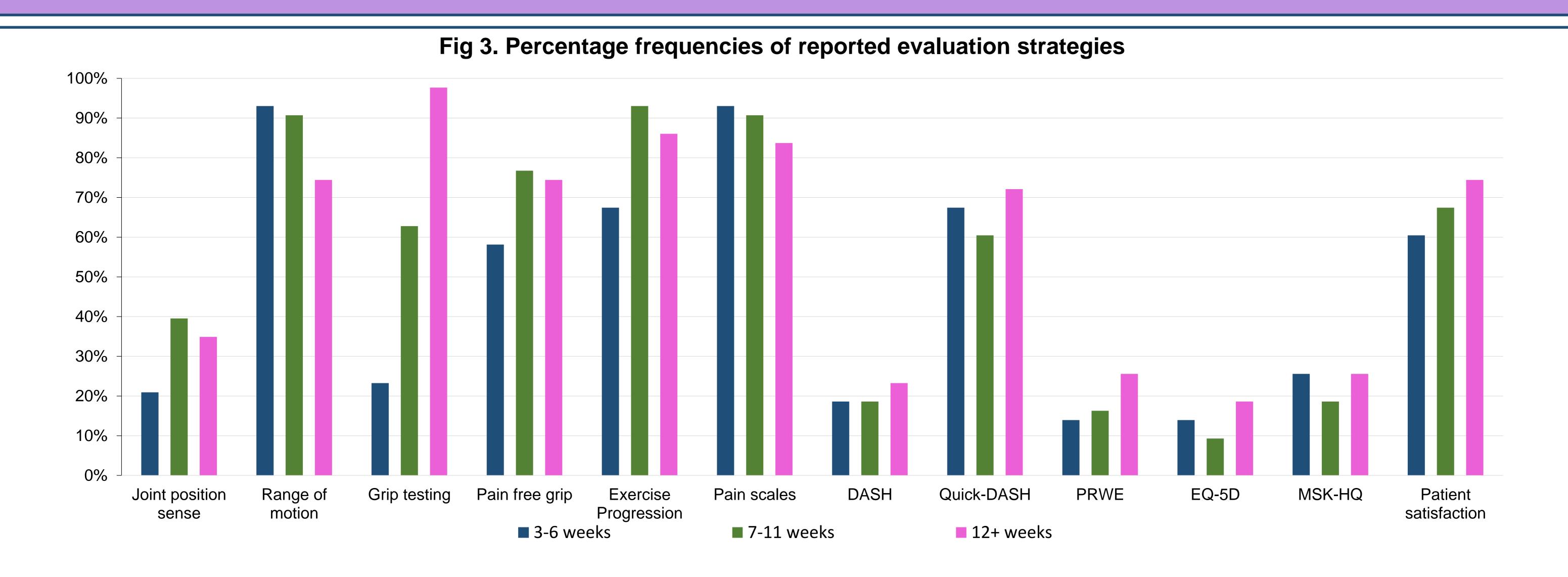
- 43 surveys were completed & analysed, including 30 PTs, & 13 OTs.
- 90% respondents worked in the NHS.
- 56% had treated wrist & hand pathology for over 10 years.
- Respondents used a wide range of treatment strategies across all time-points;
 however, many were infrequently used. Frequently used treatment strategies are shown in Fig. 1 & Fig. 2.
- Evaluation strategies included a range of physical testing, PROMs and PREMs (Fig. 3).

Discussion

- Activity advice & education was the most frequently used treatment.
- At 3-6 weeks "basic" enabilitation strategies were used most frequently. After 7 weeks more neuromuscular strategies were frequently used.
- Isometric training of APL, FCR, ECRL has been recommended in ReSOS to reduce the SL diastasis & was more frequently reported from 7 weeks.
- Physical evaluation measures were frequently used across all time-points. .
- Quick-DASH was most frequently used PROM at all time-points. The content validity of Quick-DASH in this population is unknown and needs to be established. 3

Conclusion

- First study to investigate the evaluation & ReSOS in the UK.
- Reported treatments replicate proposed rehabilitation stages from the literature.
 - Progression neuromuscular rehabilitation strategies are frequently used.
- However, optimal rehabilitation and evaluation remains unknown & future research could consider development of a consensus of best practice.



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