Strengthening And stretching for Rheumatoid Arthritis of the Hand (SARAH). A randomised controlled trial and economic evaluation

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Declared competing interests of authors: Professor Sarah Lamb is the chairperson of the National Institute of Health Research Health Technology Assessment programme Clinical Evaluation and Trials Board.

Published March 2015
DOI: 10.3310/hta19190

Plain English summary

Strengthening And stretching for Rheumatoid Arthritis of the Hand (SARAH)
Health Technology Assessment 2015; Vol. 19: No. 19
DOI: 10.3310/hta19190

NIHR Journals Library www.journalslibrary.nihr.ac.uk
Plain English summary

Rheumatoid arthritis (RA) causes inflammation in the joints and often affects people’s hands. Common symptoms are pain and swelling which cause reduced strength and movement of the hands. This can make carrying out day-to-day activities difficult. It is not known if exercises are helpful for people with hand RA. This study investigated if a hand and wrist exercise programme improved hand function in people with RA. We also studied the cost to deliver this treatment in the NHS.

We randomly allocated 490 adults who attended rheumatology clinics in 17 NHS trusts with RA of the hand to standard care or standard care plus an exercise programme delivered by a hand therapist. Standard care was one to three sessions and included education about protecting their joints, general exercise advice and splints if needed. The exercise programme consisted of six sessions of strengthening and stretching hand and wrist exercises, daily home exercises and strategies to help participants to do their exercises regularly.

Participants attended an assessment with a researcher before treatment and then 4 and 12 months later. Information was collected about hand function, pain, quality of life, measures of strength and movement and medication and health-care use. The exercise programme resulted in increased hand function at 4 and 12 months’ follow-up compared with standard care. It did not cause an increase in pain or side effects and was likely to be cost-effective to the deliver in the NHS. We interviewed 14 participants who found the exercise programme to be acceptable.
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This report

The research reported in this issue of the journal was funded by the HTA programme as project number 07/32/05. The contractual start date was in November 2008. The draft report began editorial review in June 2013 and was accepted for publication in December 2013. The authors have been wholly responsible for all data collection, analysis and interpretation, and for writing up their work. The HTA editors and publisher have tried to ensure the accuracy of the authors’ report and would like to thank the reviewers for their constructive comments on the draft document. However, they do not accept liability for damages or losses arising from material published in this report.

This report presents independent research funded by the National Institute for Health Research (NIHR). The views and opinions expressed by authors in this publication are those of the authors and do not necessarily reflect those of the NHS, the NIHR, NETSCC, the HTA programme or the Department of Health. If there are verbatim quotations included in this publication the views and opinions expressed by the interviewees are those of the interviewees and do not necessarily reflect those of the authors, those of the NHS, the NIHR, NETSCC, the HTA programme or the Department of Health.

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