FoU Spenshult

Reumatologisk forskning och utveckling

Treatment outcomes from a nurse-led rheumatology clinic in monitoring of anti-TNF therapy – a randomised controlled trial

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CONCLUSIONS

In monitoring of anti-TNF therapy treatment outcomes for patients at a nurse-led rheumatology clinic are not inferior to those obtained by rheumatologist-led clinic at 12-month follow-up.

The follow-up care of anti-TNF therapy may advantageously be performed by a nurse-led clinic based on a person-centred care.

INTRODUCTION

Patients with chronic inflammatory arthritis (CIA) treated with anti-TNF therapy are usually followed up by rheumatologists¹. Nurse-led rheumatology clinics have been proposed for patients with low disease activity or in remission².

The purpose of this trial was to compare treatment outcomes from a nurse-led rheumatology clinic and a rheumatologist clinic for patients undergoing anti-TNF therapy with low disease activity or in remission.

RESULTS

After 12 months 47 patients in the intervention group and 50 patients in the control group completed the trial and there were no differences (p=0.66) in mean change of DAS28 between the intervention or control group.

There were no differences (p>0.05) in mean change in Visual Analogue Scales (VAS) for pain, Health Assessment Questionnaire (HAQ), satisfaction or confidence with the rheumatology care between the two groups, see table 1.

DISCUSSION

The main finding of this trial was that follow-up care by a rheumatology nurse for patients with stable CIA can be delivered with comparable safety and effectiveness to that provided by a rheumatologist.

A nurse-led rheumatology clinic based on person-centred care is one way to implement the European League Against Rheumatism (EULAR) recommendations pertaining to the role of nurses in the management of CIA³.

This RCT was complemented by a qualitative study, which demonstrated that a nurse-led rheumatology clinic for biological therapy contributed added value for patients within rheumatology care. A rheumatology nurse and a rheumatologist complement each other, as they encounter the patients from different perspectives ⁴.

METHODS AND MATERIALS

A randomized controlled trial (RCT) with a 12-month follow-up was conducted with 107 patients randomised into two groups with a 6-month follow up to a nurse-led rheumatology clinic based on a person-centred care (intervention group; n=53) or to a rheumatologist-led clinic (control group; n=54).

The intention of the interventional trial was to replace one of the two annual rheumatologist monitoring visits by a nurse-led rheumatology monitoring visit for patients undergoing anti-TNF therapy.

Inclusion criteria were patients undergoing anti-TNF therapy and Disease Activity Score 28 (DAS28) ≤3.2.

The hypothesis of this RCT was that the treatment outcomes measured by the DAS28 at a nurse-led rheumatology clinic would not be inferior to those from a rheumatologist-led clinic at the 12-month follow-up

	ntervention group – Control group Mean difference of change	(95% CI)
DAS28 (mean) DAS28-CRP (mean) ESR (mm/h) CRP (mg/L) Swollen joints (28) Tender joints (28) VAS Global health (mm VAS Pain (mm) HAQ Satisfaction Confidence	-0.06 0.05 -1.05 -1.07 0.13 0.33	-0.34; 0.22 -0.28; 0.19 -3.97; 1.86 0.12; 2.02 -2.18; 0.61 -0.47; 1.13 -2.58; 11.16 -7.89; 7.40 -0.10; 0.13 -0.37; 0.88 -0.29; 0.69

Independent t-test for comparison between the groups.

Table 1. Comparison of mean change after 12 months between the intervention group (Nurse-led rheumatology clinic) (n=47) and control group (Rheumatologist-led clinic) (n=50).



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