**Patient Preference and Adherence Dovepress**

**A 4-year non-randomized comparative phase-IV study of early rheumatoid arthritis: integrative anthroposophic medicine for patients with preference against DMArDs versus conventional therapy including DMArDs for patients without preference**

[*Medical Section Goetheanum Anthroposophic Medicine*](https://www.facebook.com/medical.section.goetheanum/)*·* [*woensdag 25 april 2018*](https://www.facebook.com/notes/medical-section-goetheanum-anthroposophic-medicine/a-4-year-non-randomized-comparative-phase-iv-study-of-early-rheumatoid-arthritis/1737611722954870/)

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Background: While disease-modifying antirheumatic drugs (DMARDs) are a mainstay of therapy for rheumatoid arthritis (RA), some patients with early RA refuse DMARDs. In anthroposophic medicine (AM), a treatment strategy for early RA without DMARDs has been developed. Preliminary data suggest that RA symptoms and inflammatory markers can be reduced under AM, without DMARDs.

Patients and methods: Two hundred and fifty-one self-selected patients aged 16–70 years, starting treatment for RA of https://static.xx.fbcdn.net/images/emoji.php/v9/f31/1.5/18/2764.png<3 years duration, without prior DMARD therapy, participated in a prospective, non-randomized, comparative Phase IV study. C-patients were treated in clinics offering conventional therapy including DMARDs, while A-patients had chosen treatment in anthroposophic clinics, without DMARDs. Both groups received corticosteroids and nonsteroidal anti-inflammatory drugs (NSAIDs). Primary outcomes were intensity of RA symptoms measured by self-rating on visual analog scales, C-reactive protein, radiological progression, study withdrawals, serious adverse events (SAE), and adverse drug reactions in months 0–48.

Results: The groups were similar in most baseline characteristics, while A-patients had longer disease duration (mean 15.1 vs 10.8 months, p<0.0001), slightly more bone destruction, and a much higher proportion of women (94.6% vs 69.7%, p<0.0001). In months 0–12, corticosteroids were used by 45.7% and 81.6% (p<0.0001) and NSAIDs by 52.8% and 68.5% (p=0.0191) of A- and C-patients, respectively. During follow-up, both groups not only had marked reduction of RA symptoms and C-reactive protein, but also some radiological disease progression. Also, 6.2% of A-patients needed DMARDs. Apart from adverse drug reactions (50.4% and 69.7% of A- and C-patients, respectively, p=0.0020), none of the primary outcomes showed any significant between-group difference.

Conclusion: Study results suggest that for most patients preferring anthroposophic treatment, satisfactory results can be achieved without use of DMARDs and with less use of corticosteroids and NSAIDs than in conventional care.

Limitation: Because of the non-randomized study design, with A-patients choosing anthroposophic treatment, one cannot infer how this treatment would have worked for C-patients.

Keywords: clinical trial, Phase IV, disease-modifying antirheumatic drugs, integrative medicine, patient preference, rheumatoid arthritis

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