

Naproxen or low-dose colchicine for gout flares in primary care? Response to: 'Open-label randomised pragmatic trial (CONTACT) comparing naproxen and low-dose colchicine for the treatment of gout flares in primary care' by Parperis *et al*

We concluded that naproxen should be considered as first-line treatment for gout flares in primary care based on there being no difference between naproxen and colchicine in pain intensity (the primary outcome), more analgesic use and self-reported side-effects in the colchicine group, and evidence that naproxen was cost-effective.¹ We note the Bayesian meta-analysis by Bally *et al* in which all non-steroidal anti-inflammatory drugs (NSAIDs), including naproxen, were associated with increased risk of myocardial infarction.² However, this review was limited by including only studies undertaken in healthcare databases risking bias due to residual confounding and, as the review's authors acknowledge, measuring drug dispensing or prescribing and not actual drug intake. A meta-analysis of individual patient data from 280 randomised trials of NSAID versus placebo found that naproxen did not significantly increase major vascular events or vascular deaths, in contrast to other NSAIDs.³

We acknowledge that the colchicine dose in our pragmatic trial differed from that subsequently recommended in the European League Against Rheumatism (EULAR) recommendations.⁴ Pragmatic trials evaluate interventions as prescribed, managed and used in routine clinical practice.⁵ We used the UK recommended colchicine dose,⁶ consistent with the British Society for Rheumatology gout management guideline.⁷ Furthermore, the EULAR recommendations advocate a loading dose of colchicine of 1 mg followed by 0.5 mg 1 hour later in patients presenting within 12 hours of flare onset,⁴ as per the Acute Gout Flare Receiving Colchicine Evaluation (AGREE) trial,⁸ without making a dose recommendation for patients with longer flare durations. Over two-thirds of our participants initiated medication over 24 hours after flare onset, hence the appropriateness of this dose regimen for our trial population is uncertain.

Our findings support informed decision-making based on an assessment of the balance of benefits and harms. Our conclusion was not that naproxen should be considered as the *only* first treatment option for gout flares, as stated by Parperis,⁹ but importantly contained the caveat that naproxen should be considered as first-line treatment in primary care *in the absence of contraindications*. While colchicine would be a reasonable first therapeutic option in patients with cardiovascular risk factors, this is consistent with our conclusion that the choice of treatment should be influenced by the presence or absence of comorbidities.

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Handling editor Josef S Smolen

Funding The CONTACT trial was funded by the National Institute for Health Research School for Primary Care Research (NIHR SPCR). CDM is funded by the National Institute for Health Research (NIHR) Collaborations for Leadership in Applied Health Research and Care West Midlands, the NIHR School for Primary Care Research and a NIHR Research Professorship in General Practice (RP_2014-04-026). The views expressed are those of the author(s) and not necessarily those of the NHS, the NIHR or the Department of Health.

Competing interests None declared.

Patient consent for publication Not required.

Provenance and peer review Commissioned; internally peer reviewed.

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To cite Roddy E, Mallen CD. *Ann Rheum Dis* Epub ahead of print: [please include Day Month Year]. doi:10.1136/annrheumdis-2019-216671

Received 26 November 2019

Accepted 26 November 2019



► <http://dx.doi.org/10.1136/annrheumdis-2019-216643>

Ann Rheum Dis 2019;**0**:1. doi:10.1136/annrheumdis-2019-216671

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