Reviewer's report

Title: Understanding of Chest Pain in Microvascular Disease Proved by Cardiac Magnetic Resonance Image (UMPIRE): Study Protocol for a Randomized Controlled Trial

Version: 2 Date: 29 April 2014

Reviewer: Andrew Vickers

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Trials UMPIRE study

The statistics section is very brief, consisting of two sentences. The first states only that t-test will be used for continuous variables and chi squared for categorical, which says little more than that “when we run our statistical analyses, the tests we use won’t be grossly erroneous based on the type of data”. The second sentences states that the main analysis will be by logistic regression adjusting for “confounding variables”. This is a randomized trial, so there are not any confounding variables. Moreover, the likely event rates will be far too small for multiple regression and I suggest that Fisher’s exact test is used instead.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests: none