Reviewer’s report

**Title:** Effects of Fish Oil Supplementation on Inflammatory Markers in Chronic Heart Failure: A Meta-analysis of Randomized Controlled Trials

**Version:** 1  **Date:** 10 June 2012

**Reviewer:** Gerasimos Filippatos

**Reviewer’s report:**

In the present manuscript the authors performed a meta-analysis trying to evaluate the effects of fish oil on circulating levels of inflammatory markers in patients with chronic heart failure. It is a well written manuscript but some areas need further clarification. Does the formulation of fish oil plays any role in the results? In several of the studies presented in the manuscripts other parameters besides the inflammatory markers have been performed. Is the direction of the change in the same direction as the inflammatory markers? (ie improvement if inflammatory markers decrease, no change if they dont change).

Other comments:

It is not clear if the severity of the disease plays any role in the results. Are the results different if we start from a higher level of inflammatory markers? Effect of statins and other background therapy?

**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, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

'I declare that I have no competing interests'