

Editors in Chief
World Journal of Cardiology

19 January 2017

For the attention of the Editors in Chief

Re: Heart failure after myocardial infarction in the era of primary PCI: mechanisms, incidence and identification of patients at risk

Please find enclosed our response to the *World Journal of Cardiology* reviewers' comments. We are grateful for the opportunity to reply to the points raised, as detailed below, and enclose a revised and improved version of the manuscript. Please note we have also slightly shortened the title for simplicity and impact. Unfortunately we do not have the facilities to provide an audio tip for this manuscript.

We look forward to hearing from you.

Yours sincerely

Dr T.J. Cahill & Professor R. K. Kharbanda
Oxford Heart Centre
Oxford University Hospitals
Oxford, U.K.

Review 1

This topic is very clinically relevant and well written. The following are my comments. Biomarker, page 11, line 18: The authors mentioned that "Other potential markers include myeloperoxidase, cytokines, matrix metalloproteinases and growth factors." Recent papers demonstrated that Tenascin-C, an extracellular matrix glycoprotein, was a useful biomarker for LV remodeling and prediction of long-term prognosis after AMI (Sato A et al, JACC 2006, J Card Fail 2012). Please comment.

Thank you for this positive review of our manuscript, and for highlighting the potential role of tenascin-C. We have now included discussion of tenascin-C and cited both of these papers in the Biomarker section.

Review 2

Cahil TJ and Kharbanda RK present a review article summarizing definitions, incidence and mechanisms of heart failure after primary PCI. The English as well as scientific content of the text is of good quality, clear and easy to follow. A few typing errors, however, necessitate repeated check-up. Minor comments: Figure 1. It would be advisable to modify the picture with transradial catheter position. Add MVO to the list of abbreviations Page 2. 'remained a adverse', Page 7. 'bewteen', 'many the the duration' to be corrected

We are grateful to the reviewer for these positive comments. Figure 1 has been revised as suggested to show transradial cardiac catheterization. MVO has been added to the list of abbreviations. Finally, thank you for highlighting these typos which have all been corrected.

Review 3

The paper reads a bit dense with disjointed information and would benefit from reorganization of paragraphs. A more integrated appraisal of the relevant literature would be appropriate

Thank you for these comments. In response, we have revised sentence and paragraph structure (where indicated in the enclosed tracked version) to improve the flow of the text and improve the readability of the manuscript. We have slightly shortened the title to improve the impact. We have now also included a 'Core Tip' which provides an integrated appraisal of the key points within the manuscript.