Reviewer's report

Title: Effects of Mycophenolate Mofetil on Key Pattern of Coronary Restenosis: a Cascade of in vitro and ex vivo Models

Version: 1 Date: 18 February 2005

Reviewer: Roman Blaheta

Reviewer's report:

General

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Results, effect of MMF on ICAM-1 protein levels: Are there some informations about toxic effects of MMF which might partially explain the strong loss of ICAM-1 at MMF concentrations > 150 µg/ml? Although MMF significantly reduced ICAM-1 on endothelial cells, adhesion of monocytes to HUVEC (which is partially regulated by ICAM-1) was enhanced. Are there some explanations on this? Were the adhesion experiments repeated using higher MMF concentrations (>50 µg/ml)? Throughout the results: Although the authors speak in terms of “significant” and “non significant”, no informations are provided how the statistic evaluation has been carried out.

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Discretionary Revisions (which the author can choose to ignore)

Methods, cell culture: HCMSMC should be written out in full the first time it appears in the manuscript (independent on the explanation in the abstract). Where were HCMSMC derived from?

Methods, mycophenolate mofetil: How is MPL of 34 µg/ml related to? Although a reference is given, I do not understand the link of MPL to MMF concentrations.

Results, effect of MMF on ICAM-1 protein levels: The term “protein” might be misleading as facs measures receptor surface expression.

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What next?: Accept after minor essential revisions

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

Quality of written English: Acceptable

Statistical review: No

Declaration of competing interests:

I declare that I have no competing interests.