Reviewer's report

Title: Edge restenosis: impact of low dose irradiation on cell proliferation and ICAM-1 expression

Version: 2 Date: 20 June 2006

Reviewer: Jakub Wiskirchen

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General
The paper is well written. The issue addressed in the paper is of interest particularly for those working on the RESTENOSIS area.
To my mind, the methods described in the paper are valid, to evaluate the data obtained I asked one of our biologists for help. He shared my opinion that the data retrieved with the methods described are informative.

Thus, I wholeheartedly can recommend the paper to be published.

Although radiation therapy lost some importance in the coronaries due to the success of DES, the problem of restenosis in the periphery still is an issue. Initially promising results of Sirolimus coated stents in the periphery (the SIROCCO trial) were not observed on a longer follow up. Thus, radiation therapy might have a revival in the SFA etc. Keeping that in mind, one should keep on working on that topic - as the authors did.

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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)

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Discretionary Revisions (which the author can choose to ignore)