Reviewer's report

Title: Percutaneous treatment of spontaneous left main coronary artery dissection using drug-eluting stent.

Version: 2 Date: 19 September 2014

Reviewer: Alexandra M Sousa

Reviewer's report:

The authors present a very interesting and well documented case of myocardial infarction associated with spontaneous coronary artery dissection, but neither the theme or techniques addressed are entirely new. Also, some issues should be resolved before a possible publication.

- Major Compulsory Revisions

1. In the beginning of case description, patient's previous medication, if any, should be stated.
2. Why wasn’t the patient catheterized earlier? Even in the presence of a successful fibrinolysis it recommended to proceed with catheterization.
3. Did you consider the use of complementary techniques, such as IVUS or OCT, in confirming the diagnosis of coronary dissection in your case? These techniques and its value should also be addressed in the conclusions.

- Minor Essential Revisions

4. In the second paragraph of conclusion, referring to pathophysiology, you repeat the “oral contraceptive” as a related factor (line 131 and 132/133).
5. “Authors’ contribution” is duplicated. “Authors’ information” is missing.
6. The References should be revised according to the journal guidelines. Almost every reference presents a minor mistake.

- Discretionary Revisions

7. The prevalence of LMCA dissection is probably higher than what is stated in the conclusions. Please see a good review of 2010, of Vrints (Heart 2010;96:801-8).

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

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.
Declaration of competing interests:

I declare that I have no competing interests