Reviewer's report

Title: Significance of Fragmented QRS Complexes for Identifying Culprit Lesion in Patients with Non ST-Elevation Myocardial Infarction: A Single-Center, Retrospective Analysis of 183 Cases.

Version: 3 Date: 29 January 2012

Reviewer: Lia EVI Evi Bang

Reviewer's report:

Discretionary revisions
1. Consider delete table 2, table 3 and Figure 1

Minor essential revisions

Introduction,
1. Please explain fQRS the first time it is mentioned

Methods,
2. Please explain "including history of significant CAD" in the manuscript and mention this in patient demographics

Results,
3. Roman numeral are used as table numbers in this section. but not in tables
4. To many decimals in "95%CI".Please delete one decimals
5. Did any of the patients have renal insufficiency? Please clarify in manuscript
6. Please clarify "and 16 had double-vessel lesions". In table 3 different numbers are listed. Do you mean balanced coronary system?
7. "The specificity of fQRS in anterior ECG lead IV was the highest (93.33%)". Change 93.33 % to 81.82%

Discussion,
8. Delete the first 2 sentences. It is confusing to mention STEMI as the focus in the section is on NSTEMI
9. In paragraph "2. ECG analysis" change "(Figure II)" to Table 4

Conclusion,
10. Move limitation to a section on limitations
11. Figure 2 is not mentioned in the manuscript

Major compulsory revisions
1. Include a paragraph on limitations
Methods,
2. Please clarify if patients with prior MI were included and if this is the case they should be excluded as "Presence or absence of the Q wave" is a part of fQRS
3. "CAG was performed on all the patients to confirm the diagnosis of NSTEMI". Please delete this sentence. CAG is not a diagnostic criterion for NSTEMI.

Discussion,
4. "This may be associated with the fact that the number of risk factors and complications are high in elderly patients (8,9)". Is this the case in this study in > 65 years, please clarify in manuscript

Conclusion,
5. Please add in the conclusion section the clinical relevance of identifying culprit lesions on prior PCI ECG’s

**Level of interest:** An article of limited interest

**Quality of written English:** Acceptable

**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' below