Reviewer's report

Title: Left ventricular non-compaction: clinical features and cardiovascular magnetic resonance imaging

Version: 1 Date: 8 February 2009

Reviewer: giovanni Fazio

Reviewer's report:

This work shows a large number of patients with non-compaction but has several byas of inclusion: all patients that come to make a magnetic resonance in a specialized center are selected for symptoms. Is natural that the case does not present the selected data according to the guidelines of the current literature that show a high proportion of asymptomatic subjects in patients with non-compaction. This important finding must be reported in the discussion. It should also be noted that the reported increased cardiovascular events, such as stroke and arrhythmias, were evaluated in patients presenting significant co-morbidity that may justify the presence of symptoms such as atrial fibrillation or dilated cardiomyopathy. The statistical analysis performed including tests such as ANOVA and not been described in the methods.

In conclusion, the data may have some interest, but the discussion of the work must be completely rewritten by dividing the data of the sampling and reviewing case by case, the burden of morbidity. Useful to add a more current bibliography. Furthermore, if possible, a comparison between the spongy and compact dell'ecocardiogramma of resonance.

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

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'