Reviewer's report

Title: Pre-clinical cardiac involvement in adulthood growth hormone deficiency: role for left ventricular remodeling. A single-center case-control study

Version: 1 Date: 31 August 2005

Reviewer: vitantonio Di Bello

Reviewer's report:

General
The main findings of the paper of Dr. de Gregorio et al. are that in the growth hormone deficiency patients, the resting left ventricular morphology and function are comparable to overweight healthy individuals and the eccentric hypertrophy was found in patients with complete GHD, although not significantly.

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

The study population is sufficient but the methods might be expanded:
a) midwall fractional shortening might be calculated
b) Isovolumic relaxation time and Tei Index should be showed.
If also these variables in the three groups are not statistically significant, then the Authors' conclusions could be more strong.

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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)
The discussion and the conclusion should be more short and the english improved.

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Discretionary Revisions (which the author can choose to ignore)

What next?: Unable to decide on acceptance or rejection until the authors have responded to the major compulsory revisions

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: No

Declaration of competing interests:
'I declare that I have no competing interests'