Author’s response to reviews

Title: Investigation on Left Ventricular Multi-directional Deformation in Patients of Hypertension with Different LVEF

Authors:

Huimei Huang (huanghuimei0808@126.com)
Qinyun Ruan (qyruan@126.com)
Meiyan Lin (linmeiyan2003@126.com)
Lei Yan (yanlei20082336@163.com)
Chunyan Huang (huangchunyan_2014@126.com)
Liyun Fu (fuliyun88@163.com)

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Reviewer #1: Minor issues:

1. There were 123 pts in the study group and 21 subjects in the control group. What was the basis for the size of the control group?

Response: Yes, 21 subjects in the control group may not enough, so we have added another 19 Normal subject, and as a result we have 40 in the control group now. All data was analyzed again and the result was shown in the revised manuscript. As expected, the conclusion was the same as before.

2. Coronary heart disease was among the exclusion criteria. How was it defined? Did all patients undergo coronary angiography?

Response: There were 11 in 123 patients underwent coronary angiography (negative results), and others were excluded based on the following reasons: the medical history and symptoms such as chest distress, exertional angina pectoris, untypical chest pain, and cardiac angina, and echocardiography finding with regional wall motion abnormality. (We have stated it in the “Method” part in the revised manuscript.)