Fragmented QRS formation in non-hypertensive acromegaly patients

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Response to letter to the editor by Mehmet EYÜBOĞLU entitled “Highlights in the association of fragmented QRS with myocardial fibrosis ”

To the Editor,

We would like to indicate our satisfaction for your interest in our article [1]. It has been shown that fQRS formation is associated with poor clinical outcomes in many diseases, especially in coronary artery disease[2,3]. The presence of fQRS is an indicator of myocardial fibrosis, so myocardial dysfunction development is more common in patients with fQRS on electrocardiography (ECG) and cardiovascular prognosis is worse [4,5].
Studies have shown that the extent and localization of fQRS on ECG are among the factors that show the extent of myocardial damage [6,7]. Since acromegaly is a rare disease and our study was a single-center study, the number of patients in our study was relatively small. Another factor in the small number of patients was that the acromegaly patients with hypertension were not included. Since there were not enough number of patients, we could not make a separate analysis to evaluate the relationship between fQRS extent and localization and left ventricular hypertrophy (LVH) parameters. Of course, if the number of our patients was sufficient and we could do these analyzes, the value of our study would increase.

In our study, we showed that LVH parameters in acromegaly patients with fQRS (+) were higher than those with fQRS (-). These results show that patients with acromegaly who have fQRS on their ECG should be followed more closely for the development of acromegalic cardiomyopathy and cardiovascular disease.
