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Cover Letter

Date:

To (Dergi İsmi)

We appreciate the opportunity to submit our manuscript entitled “**Correlation of Morphological and Functional Cardiac Images: Fusion of Myocardial Perfusion SPECT and CT Angiography**”. The manuscript has not been previouslypublished and is not under consideration in the same or substantially similar form inany other journal. All authors have made significant contribution and the reportcomplies with ethical standards. All authors declare no conflict of interests.

Cardiovascular diseases (CVDs) are the most frequent reasons of mortality currently in the world, and among these, coronary artery diseases (CADs) stand at the top line. Defining the exact stenosis and target-motivated treatment have crucial role in patient management. Several methods are used to define the main stenosis that creates the current perfusion defect and patient complaints including gated myocardial perfusion scintigraphy (gMPS), invasive coronary angiography and CT-angiography. However, in patients with current significant clinical complaints, and with multiple coronary atherosclerotic plaques, multiple stent histories and/or previous by-pass operation, it is a serious challenge not only to observe stenosis, but also to discriminate the exact stenosis that causes the current complaints. We, herein, report that cardiac hybrid imaging (CHI) that is formed by the fusion of myocardial perfusion single photon emission computed tomography (SPECT)/positron emission tomography (PET) images and coronary computed tomography angiography images with an equal contribution via an automated software, is a beneficial tool to define hemodynamically significant stenosis, especially in previously stated patient groups.

In this light of perspective, we kindly request from you to consider our research article.

Sincerely,

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