Reviewer's report

Title: Manuscript Title: The prevalence of coronary anomalies in a single center of Korea: origination, course, and termination anomalies of coronary arteries detected by multidetector computed tomography

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Reviewer: Carlo CG Gaudio

Reviewer's report:

This is a very interesting and well-done report on a large series of patients who underwent coronary TC and were found to have coronary anomalies. The authors should be acknowledged for reviewing in-depth the topic of coronary artery anomalies.

The manuscript can be improved if 'Methods' are reported more extensively. Specifically, the authors must specify how many study participants had no previous history of coronary artery disease and how many had been previously diagnosed as having CAD. Indeed, prevalence of coronary anomalies relates to inclusion criteria and pre-test probability of disease.

Also, the authors must specify how many patients underwent 64-row CT vs 320-row CT. Also, differences between the 2 techniques should be underlined, as 64-row CT causes a significantly greater exposure to X rays which might be unacceptable for screening of Young asymptomatic individuals who are suspected to have coronary artery anomalies. In this respect, the authors should take into consideration previously reported papers on this topic (i.e. Gaudio C, et al. 320-row computed tomography coronary angiography vs. conventional coronary angiography in patients with suspected coronary artery disease: A systematic review and meta-analysis. Int J Cardiol. 2013;168(2):1562-4. and Gaudio C, et al. Sudden death and physical exercise: timely diagnosis of congenital anomalies of the coronary arteries with the new 320-slide multi-detector computed tomography. Intern Emerg Med 2013; 8 Suppl 1: 35-39).

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests