



Copenhagen, Denmark, January 2023

Dear European Atherosclerosis Society Award Committee,

In this letter, I hereby wish to nominate Takahito Doi, MD, PhD, and his research article entitled “Elevated remnant cholesterol appropriately reclassifies individuals who develop myocardial infarction and ischemic heart disease” (*J Am Coll Cardiol.* 2022 Jun 21;79(24):2383-2397. doi: 10.1016/j.jacc.2022.03.384.) for European Atherosclerosis Society Young Investigator Award for outstanding publications in 2022.

Elevated remnant cholesterol is considered a causal risk factor for ischemic heart and atherosclerotic cardiovascular disease. In prevention of atherosclerotic cardiovascular disease, current guidelines recommended to assess 10-year risk including measurement of non-HDL, HDL and/or total cholesterol. However, remnant cholesterol levels are not included.

In the nominated study, we used 41,928 individuals from the Copenhagen General Population Study without ischemic cardiovascular disease, diabetes, and statin use to test the hypothesis that elevated remnant cholesterol will lead to appropriate reclassification of individuals who later develop myocardial infarction and ischemic heart disease.

We found that elevated remnant cholesterol appropriately reclassified up to 20% of those who later develop myocardial infarction and ischemic heart disease, leading to a net reclassification index of up to 10%. These novel results suggest that adding this causal risk factor to guideline prediction models will improve identification of individuals who would benefit the most from statin treatment.

Takahito Doi is currently a postdoc researcher at the Department of Clinical Biochemistry, Copenhagen University Hospital-Herlev and Gentofte, in Copenhagen, Denmark. He has done outstanding work during his first two year as a postdoc. He already finished 4 research papers as a first author.

I am sure that our study results will contribute enormously all over the world. Further, being academically bright and at the same time the down-to-earth and pleasant person that he is, I am also fully confident that Takahito will do excellent in science and medicine in general. I therefore most strongly and without hesitation give him and his research article my highest recommendations, and I am happy to provide any additional information if needed.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'B. Nordestgaard'.

Børge G. Nordestgaard, Professor, Chief Physician, DMSc

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