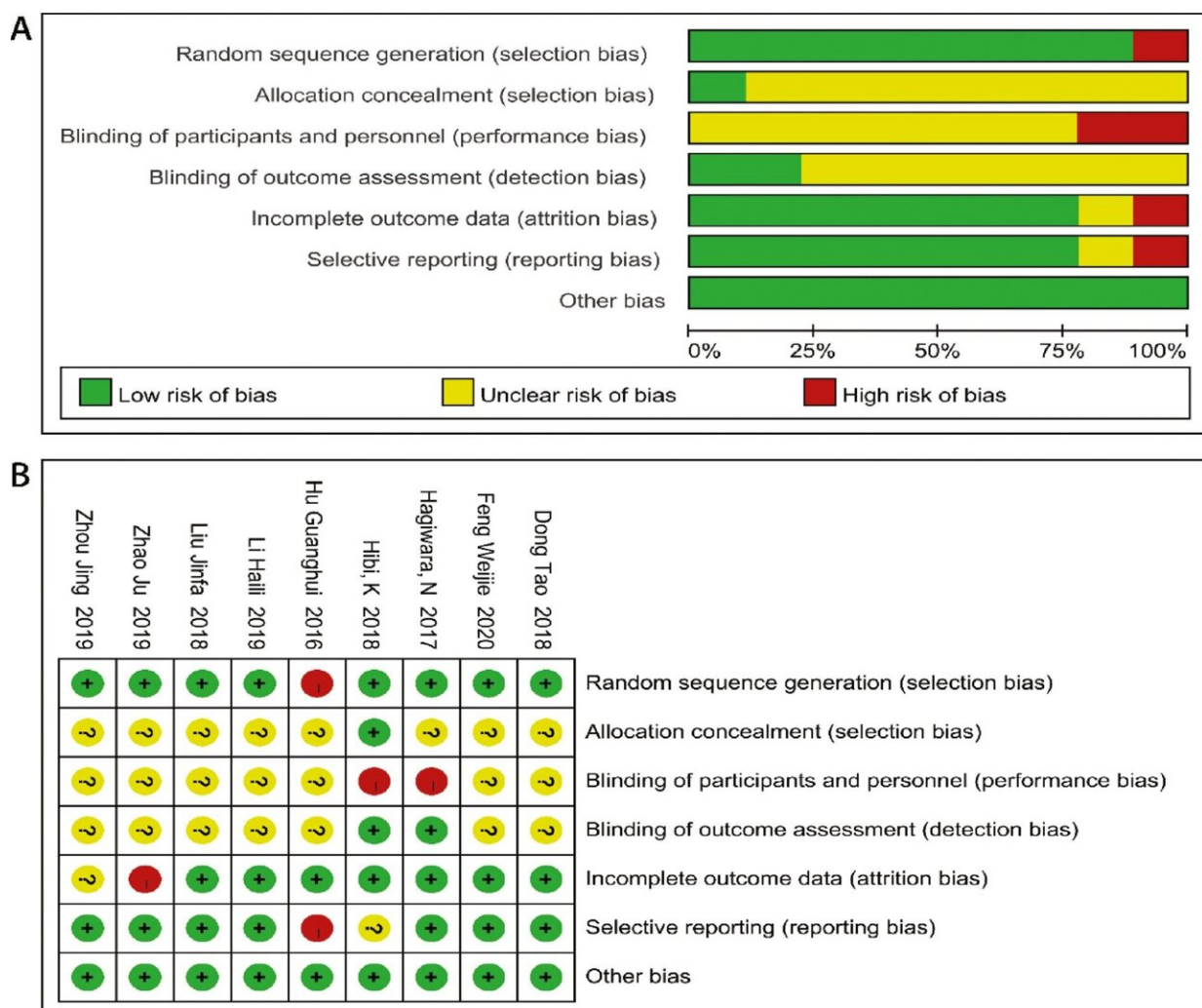


Lowering of blood lipid levels with a combination of pitavastatin and ezetimibe in patients with coronary heart disease

February 2 2023



Risk of Bias. (A) Risk of bias graph: authors' judgements for each risk of bias item are expressed as percentages across all included studies. (B) Risk of bias

summary: authors' judgements for each risk of bias item for each included study are indicated. Credit: *Cardiovascular Innovations and Applications* (2023). DOI: 10.15212/CVIA.2023.0004

According to the findings of randomized controlled trials, blood lipid levels in patients with coronary heart disease (CHD) can be significantly decreased through a combination of pitavastatin and ezetimibe; however, the effects and clinical applications of this treatment remain controversial. An article published in *Cardiovascular Innovations and Applications* objectively assesses the efficacy and safety of pitavastatin and ezetimibe in lowering blood lipid levels.

Relevant studies were retrieved from electronic databases, including PubMed, Cochrane Library, Embase, China National Knowledge Infrastructure, VIP, and WanFang Data, from database inception to June 8, 2022. The levels of low-density lipoprotein cholesterol, total cholesterol, triglycerides, and high-density lipoprotein cholesterol in patients' serum after treatment were the primary endpoint.

Nine randomized controlled trials (2586 patients) met the inclusion criteria. The [meta-analysis](#) indicated that pitavastatin plus ezetimibe resulted in significantly lower levels of LDL-C [standardized mean difference (SMD)=-0.86, 95% confidence interval (CI) (-1.15 to -0.58), P

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