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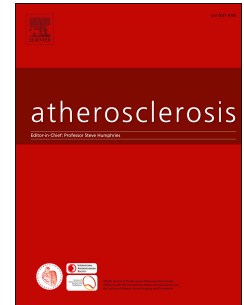
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# Is the lower risk of venous thromboembolism with statins related to low-density-lipoprotein reduction? A network meta-analysis and meta-regression of randomised controlled trials

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## **ABSTRACT**

*Background and aims:* Meta-analyses of randomised controlled trials (RCTs) have suggested a possible benefit of statin treatment on the risk of venous thromboembolism (VTE), with potential differences by type and dose of statins. We aimed to assess differences among statins and to investigate the relationship between risk of VTE and reduction of LDL-cholesterol (LDL-c) levels.

*Methods:* We electronically searched through November 29, 2017 RCTs comparing a statin with either placebo or another statin treatment, including 100 or more adult participants, and lasting at least 24 weeks. Data on first VTE events and LDL-c was analysed with a network meta-analysis and a meta-regression.

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