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ACCEPTED MANUSCRIPT

The effects of amoxicillin and vancomycin on parameters reflecting cholesterol metabolism

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Highlights1. Plasma bile acid concentrations correlate with surrogate markers for cholesterol absorption and synthesis

2. Vancomycin treatment reduces plasma secondary bile acid concentrations

3. Antibiotic treatment for 7 days does not affect plasma lipid and lipoprotein, plasma noncholesterol sterol and oxy(phyto)sterol concentrations

ABSTRACT

Background: Changes in the microbiota composition have been implicated in the development of obesity and type 2 diabetes. However, not much is known on the involvement of gut microbiota in lipid and cholesterol metabolism. In addition, the gut microbiota might also be a potential source of plasma oxyphytosterol and oxycholesterol concentrations (oxidation products Download English Version:

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