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Intervention in hepatic lipid metabolism : implications for atherosclerosis progression and regression

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Citation

Li, Z. (2011, September 27). *Intervention in hepatic lipid metabolism : implications for atherosclerosis progression and regression*. Retrieved from <https://hdl.handle.net/1887/17872>

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Stellingen

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Intervention in Hepatic Lipid Metabolism: Implications for Atherosclerosis Progression and Regression

1. Their specific cellular activity and localization suggest that the orphan nuclear receptors COUP-TF2, COUP-TF3, and TR4 may be of significant importance as novel targets for pharmaceutical interventions in liver. (*this thesis*)
2. Niacin does not directly alter CETP expression in the macrophage, but attenuates liver inflammation and macrophage content in response to its primary lipid-lowering effect, leading to a decrease in hepatic CETP expression and plasma CETP mass. (*this thesis*)
3. Mouse models are not the most suitable platform to study the mechanism of the HDL-raising effect of niacin. (*this thesis*)
4. ApoE^{-/-} mice, reconstituted with bone marrow from C57BL/6 mice, represent a promising mouse model to study regression of atherosclerosis. (*this thesis*)
5. Improvement in the plasma lipid profile, specifically large reductions in plasma concentrations of apoB-lipoproteins, is crucial to trigger atherosclerotic plaque regression. (*Williams KJ et al., Nat Clin Pract Cardiovasc Med. 2008;5:91-102*)
6. The relevance of the results from the AIM-HIGH trial for patients outside this study population is currently unknown, and it would be premature to extrapolate the results with Niaspan to a broader patient population at this time. (*Wise J. BMJ. 2011;342:d3400*)
7. Characterizing the tissue expression pattern of nuclear receptors and their gene regulation pathways may identify novel drug targets. (*Chawla A et al., Science. 2001;294:1866-1870*)
8. Niacin can change the composition of human HDL in ways that could potentially improve their anti-inflammatory properties. (*Knopp RH et al., Metabolism. 1998;47:1097-1104*)
9. 'Inburgeren' is important, because it feels good when you pass a Dutch billboard and you know what its meaning is.
10. We can't run away from who we are. So, check Careertest.net, a website telling you who you are.
11. In the hope of reaching the moon, we may fail to see the flowers that blossom at our feet.
12. More than often, we are more disappointed by the things that we didn't do than the ones we did do.

Zhaosha Li
27 September 2011