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Basic Study

Elevated retinol binding protein 4 levels are associated with atherosclerosis in diabetic rats *via* the JAK2/STAT3 signalling pathway

RBP4 was associated with atherosclerosis in diabetes

Abstract

BACKGROUND

Atherosclerosis is a major cause of mortality worldwide and is driven by multiple risk factors, including diabetes, which results in an increased atherosclerotic burden, but the precise mechanisms for the occurrence and development of diabetic atherosclerosis have not been fully elucidated.

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Pearson analysis showed that RBP4 in serum and adipose tissue were positively associated with TG, LDL-c, FINS, PFM, AIP, HOMA-IR, NF-κB, SBP and negatively associated with HDL-c. Multivariable logistic regression analysis showed that serum RBP4 and TG were predictors for the presence of diabetic atherosclerosis.

Cited by: 3

Author: Wan Zhou, Shandong Ye, Jing Li

Publish Year: 2016

Elevated Retinol Binding Protein 4 Induces Apolipoprotein ...

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May 01, 2015 · A high level of retinol binding protein 4 (RBP4) is reported to be associated with insulin resistance in humans. However, evidence from large-scale populations about the relationship between serum RBP4 and metabolic phenotypes is scarce.

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Author: Yan Liu, Hongen Chen, Jingjing Wang, W...

Publish Year: 2015

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11 In our experiment, RBP4 expression in liver and adipose tissue of rats fed a high-cholesterol diet as well as the expression in serum were up-regulated. BOT and ezetimibe shows greater effect to decrease the level of RBP4 mRNA expression in liver and adipose tissue, the serum expression of RBP4 can also



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Author: Fei Li, Ke Xia, Sayed Ali Sheikh, Jinfang ...

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Author: Wei Gao, Wei Gao, Hao Wang, Lin Zhan...

Publish Year: 2016

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Author: Timothy Huzar

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Author: Diana Swift

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A.J.G. Podcast: "**COVID-19 and the Digestive System**" Dr. Brian Lacy interviews Dr. Brennan Spiegel