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The role of adipose tissue in fatty liver diseases

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Review Article

The role of adipose tissue in fatty liver diseases*

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ABSTRACT

Fatty liver disease is almost always a consequence of obesity or alcohol abuse. In both cases significant changes to adipose tissue (AT) occur, which are remarkably similar despite their different causes. Hypertrophic and hypoxic adipocytes develop an inflammatory phenotype and become necrotic, secreting inflammatory cytokines into circulation, principally but not limited to tumor necrosis factor (TNF) α . The secretion of adipokines is altered in obesity and alcohol abuse. Fatty acids, instead of being stored in adipocytes are delivered to the liver. These multiple pathways of adipose-liver crosstalk contribute to the development and progression of liver disease: TNF α induces hepatocyte death and

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