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Disturbances in lipid metabolism play an important role in the pathogenesis of nonalcoholic fatty liver disease (NAFLD). Using lipidomics, an analytical technique that is used to broadly survey lipid metabolism, we searched for biomarkers in plasma that are correlated with the presence of hepatic steatosis in children with obesity.

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<https://pubmed.ncbi.nlm.nih.gov/32947564>

Objectives: Disturbances in lipid metabolism play an important role in the pathogenesis of nonalcoholic fatty liver disease (NAFLD). Using lipidomics, an analytical technique that is used to broadly survey lipid metabolism, we searched for biomarkers in plasma that are correlated with the presence of hepatic steatosis in children with obesity.

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Author: Laura G Draijer, Laura G Draijer, Denise F...

Publish Year: 2020

[Update on lipid species and paediatric nonalcoholic fatty ...](#)

<https://pubmed.ncbi.nlm.nih.gov/27906700>

Purpose of review: To describe the recent advances in our understanding of fatty acids and lipids in paediatric nonalcoholic fatty liver disease (NAFLD) and their future implications. Recent findings: Data have been accumulated to suggest that ceramides are the main drivers of hepatic insulin resistance in NAFLD, and inhibition of ceramide synthesis improves histology in mice. Saturated fatty acids formed ...

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Author: Jake P. Mann, Ariel E. Feldstein, Ariel E. ...

Publish Year: 2016

[A lipidomic analysis of nonalcoholic fatty liver disease ...](#)

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.21763>

Jul 25, 2007 - Nonalcoholic fatty liver disease (NAFLD) is a common cause of chronic liver disease in North America. 1 NAFLD is associated with insulin resistance and the metabolic syndrome. 2, 3 The clinical-histologic spectrum of NAFLD extends from a nonalcoholic fatty liver (NAFL) to nonalcoholic steatohepatitis (NASH). 4 Although NASH is distinguished from NAFL by the presence of cytologic ballooning and inflammation, both conditions are characterized by a fatty liver...

Cited by: 982

Author: Puneet Puri, Rebecca A. Baillie, Michelle...

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Publish Year: 2009

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Non-Alcoholic Fatty Liver Disease

Medical Condition

Fatty liver without the consumption of excessive alcohol



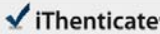
A condition in which fat accumulates in the liver in people who drink little or no alcohol.

Very common (More than 3 million cases per year in US)

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Author: Jeffrey B. Schwimmer

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Pediatric non-alcoholic fatty liver disease: Recent advances

<https://www.sciencedirect.com/science/article/pii/S2210740114000527>

Sep 01, 2014 · Introduction. Non-alcoholic fatty liver disease (NAFLD) now represents the most frequent cause of chronic liver disease in industrialized countries in children and adolescents, as a direct...

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Author: Claudia Della Corte, Pietro Vajro, Piotr So...

Publish Year: 2014

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