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SIMILAR**Name of Journal:** *World Journal of Hepatology***Manuscript NO:** 60049**Manuscript Type:** ORIGINAL ARTICLE*Basic Study***Papaya Improves Nonalcoholic Fatty Liver Disease in Obese Rats by Attenuating Oxidative Stress, Inflammation and Lipogenic Gene Expression**

Anti-NAFLD Effect of Papaya

Wanwisa Deenin, Wachirawadee Malakul, Tantip Boonsong, Ittipon Phoungpetchara,  
Sakara Tunsophon

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Background and aims: Fibroblast growth factor 1 (FGF1) demonstrated protection against **nonalcoholic fatty liver disease** (NAFLD) in type 2 diabetic and **obese** mice by an uncertain mechanism. This study investigated the therapeutic activity and mechanism of a non-mitogenic FGF1 variant (FGF1 HBS) against NAFLD. Approach and Results FGF1 HBS administration was effective in 9-month old db/db mice ...

**Author:** Qian Lin, Zhifeng Huang, Genxiang Cai, ... **Publish Year:** 2020

### Vitamin D deficiency in obese rats exacerbates ...

<https://pubmed.ncbi.nlm.nih.gov/21994008>

VDD exacerbates NAFLD through TLR-activation, possibly by way of endotoxin exposure in a WD **rat** model. In addition it causes IR, higher hepatic resistin **gene expression**, and up-regulation of hepatic inflammatory and **oxidative stress** genes.

**Cited by:** 241 **Author:** Christian L. Roth, Clinton T. Elfers, Dianne P...

**Publish Year:** 2012

### Pathogenesis and therapeutic approaches for non-alcoholic ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4243154>

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Background and aims: Fibroblast growth factor 1 (FGF1) demonstrated protection against nonalcoholic **fatty liver disease** (NAFLD) in type 2 diabetic and **obese** mice by an uncertain mechanism. This study investigated the therapeutic activity and mechanism of a non-mitogenic FGF1 variant (FGF1 HBS) against NAFLD. Approach and Results FGF1 HBS administration was effective in 9-month old db/db mice ...

**Author:** Qian Lin, Zhifeng Huang, Genxiang Cai, ... **Publish Year:** 2020

## Nutritional therapy for nonalcoholic fatty liver disease ...

<https://www.sciencedirect.com/science/article/pii/S0955286315002259>

Mar 01, 2016 · 1. Introduction. Nonalcoholic **fatty liver disease** (NAFLD), also known as hepatic steatosis, is defined by **liver** fat deposition in the absence of excessive alcohol intake. Following the epidemics of obesity, NAFLD has become the leading cause of **liver disease** (prevalence, 20–34%) , , and it is epidemiologically associated with the metabolic syndrome and insulin resistance (IR) , , .

**Cited by:** 87

**Author:** Paola Dongiovanni, Claudia Lanti, Patrizia ...

**Publish Year:** 2016

## Polyphenols and non-alcoholic fatty liver disease: impact

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## [Pomegranate juice prevents development of non-alcoholic ...](https://pubmed.ncbi.nlm.nih.gov/27717115)

<https://pubmed.ncbi.nlm.nih.gov/27717115>

Background: The effects of pomegranate juice (PJ) on the risk factors of non-alcoholic **fatty liver disease** (NAFLD)/non-alcoholic steatohepatitis (NASH) have been reported previously; however, the effects on NAFLD and its prevention have not yet been clarified. The present study aimed to evaluate the effects of PJ consumption with respect to the prevention of NAFLD/NASH development.

Cited by: 18

Author: Maryam Noori, Bahar Jafari, Azita Hekmat...

Publish Year: 2017

## [Epigallocatechin gallate attenuates fibrosis, oxidative ...](https://pubmed.ncbi.nlm.nih.gov/23515587)

<https://pubmed.ncbi.nlm.nih.gov/23515587>

Purpose: To investigate the protective mechanisms of an 85 % pure extract of (-) epigallocatechin gallate (EGCG) in the development of fibrosis, **oxidative stress** and **inflammation** in a recently developed dietary-induced animal model of non-alcoholic **fatty liver disease** (NAFLD). Methods: Female Sprague-Dawley **rats** were fed with either normal **rat** diet or high-fat diet for 8 weeks to develop NAFLD.

Cited by: 152

Author: Jia Xiao, Chi Tat Ho, Emily C. Liong, Amin A...

Publish Year: 2014

## [A high-fat diet leads to the progression of non-alcoholic ...](https://www.ncbi.nlm.nih.gov/pubmed/15522905)

<https://www.ncbi.nlm.nih.gov/pubmed/15522905>

A high-fat diet leads to the progression of non-alcoholic **fatty liver disease in obese rats**. Carmiel-Haggai M(1), Cederbaum AI, Nieto N. Author information: (1)Department of Pharmacology and Biological Chemistry, Mount Sinai School of Medicine, New York, New York 10029, USA.

Cited by: 344

Author: Michal Carmiel-Haggai, Arthur I. Cederbau...

Publish Year: 2005

## [Polyphenols and non-alcoholic fatty liver disease: impact ...](https://www.cambridge.org/core/journals/...)

<https://www.cambridge.org/core/journals/...> ▾

The term non-alcoholic **fatty liver disease** (NAFLD) refers to a condition defined by ectopic fat accumulation in the form of TAG in the **liver**, when it accounts for more than 5 ...

Cited by: 102

Author: I. Rodriguez-Ramiro, D. Vauzour, A. M. Mini...

Publish Year: 2016