

²
Name of Journal: *World Journal of Hepatology*

Manuscript NO: 57445

Manuscript Type: ORIGINAL ARTICLE

Case Control Study

Validation of genetic variants associated with metabolic dysfunction-associated fatty liver disease in an ethnic-Chinese population⁶

Guan Huei Lee, Wah Wah Phyoo, Wai Mun Loo, Raymond Kwok, Taufique Ahmed, Asim Shabbir, Jimmy So, Calvin Jianyi Koh, Juanda Leo Hartono, Mark Muthiah, Kieron Lim, Poh Seng Tan, Yin Mei Lee, Seng Gee Lim, Yock Young Dan

Abstract

BACKGROUND

Genetic factors play an important role in the pathogenesis and development of metabolic dysfunction-associated fatty liver disease (MAFLD)

Match Overview

1	Internet 141 words crawled on 20-Nov-2017 onlinelibrary.wiley.com	3%
2	Internet 58 words crawled on 30-Mar-2020 f6publishing.blob.core.windows.net	1%
3	Crossref 41 words "23rd Annual Conference of APASL March 12–15, 2014, Brisbane, Australia", <i>Hepatology International</i> , 2014	1%
4	Crossref 14 words Mohammed Eslam, Luca Valenti, Stefano Romeo. "Genetics and epigenetics of NAFLD and NASH: Clinical impact", <i>Jour</i>	<1%
5	Internet 14 words crawled on 07-Aug-2020 www.nature.com	<1%
6	Crossref 12 words "Posters (Abstracts 264-2239)", <i>Hepatology</i> , 2017	<1%

Validation of genetic variants associated with non-alcoholic fatty li



ALL

IMAGES

VIDEOS

28,800 Results

Any time ▼

Genetics of alcoholic liver disease and non-alcoholic ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6334028>

Apr 01, 2018 · Epidemiological, familial and twin studies have shown familial clustering of NAFLD, with an estimated 50% heritability for both degree of hepatic steatosis and severity of **non-alcoholic steatohepatitis-fibrosis** having been reported. 2 Twin studies carried out in ARLD cohorts also support a **genetic** contribution to **disease risk**, with the prevalence of ARLD being ...

Cited by: 9**Author:** Emma Scott, Quentin M Anstee**Publish Year:** 2018

Genetic Variants in the SAMM50 Gene Create Susceptibility ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4644533>

Genetic Variants in the SAMM50 Gene Create Susceptibility to Nonalcoholic Fatty Liver Disease in a Chinese Han Population Lizhen Chen , 1 Zhonghua Lin , 1 Man Jiang , 1 Linlin Lu , 2 Haiying Zhang , 3 Yongning Xin , 1, * Xiangjun Jiang , 1 and Shiying Xuan 1, *

Cited by: 6**Author:** Lizhen Chen, Zhonghua Lin, Man Jiang,...**Publish Year:** 2015

Genetics of Nonalcoholic Fatty Liver Disease in Asian ...

<https://pubmed.ncbi.nlm.nih.gov/30945694>

Eight **validation** studies identified associations of variants on PNPLA3, **LYPLAL1**, TM6SF2, **ADIPOR2**, **STAT3**, **GCKR**, SAMM50 etc. with NAFLD. Thus, so far, four GWASs have been conducted in Asian population that reported PNPLA3 , SAMM50 , **PARVB** and GATAD2A genes which were significantly associated with NAFLD.

Cited by: 4**Author:** Arun Kumar, Shalimar, Gagandeep Kaur ...**Publish Year:** 2019

Ethnicity and Nonalcoholic Fatty Liver Disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3278533>

Nonalcoholic fatty liver disease (NAFLD) is the most common **liver** disorder in the U.S.; however

Validation of genetic variants associated with metabolic dysfunctio



ALL

IMAGES

VIDEOS

42,800 Results

Any time ▾

Genetic predisposition in metabolic-dysfunction-associated ...

<https://onlinelibrary.wiley.com/doi/10.1111/eci.13331>

Jun 26, 2020 · 1 INTRODUCTION. The recently defined **metabolic-dysfunction-associated fatty liver disease** (MAFLD), previously known as nonalcoholic **fatty liver disease** (NAFLD), 1, 2 is characterized by the presence of hepatic steatosis, as well as one of the following three criteria including overweight/obesity, type 2 diabetes mellitus (DM) or confirmed **metabolic** risk abnormalities. 3, 4 At ...

A new definition for metabolic dysfunction-associated ...

<https://www.sciencedirect.com/science/article/pii/S0168827820302014>

Jul 01, 2020 · Introduction. **Metabolic dysfunction-associated fatty liver disease** (MAFLD), formerly named non-alcoholic **fatty liver disease** (NAFLD), affects about a quarter of the world's adult **population**, poses a major health and economic burden to all societies, , and yet has no approved pharmacotherapy. The high prevalence of this **disease** has been fuelled by the rapid rise in levels of sedentary behaviour ...

Cited by: 67

Author: Mohammed Eslam, Philip N. Newsome, Shi...

Publish Year: 2020

Genetic Variants in the SAMM50 Gene Create Susceptibility ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4644533>

Chen LZ, Xin YN, Geng N, Jiang M, Zhang DD, Xuan SY. PNPLA3 I148M **variant** in nonalcoholic **fatty liver disease**: demographic and ethnic characteristics and the role of the **variant** in nonalcoholic **fatty liver** fibrosis. World J Gastroenterol. 2015; 21 (3):794–802. doi: 10.3748/wjg.v21.i3.794. [PMC free article]

Cited by: 7

Author: Lizhen Chen, Zhonghua Lin, Man Jiang, Linl...

Publish Year: 2015

rs641738C>T near MBOAT7 is associated with liver fat, ALT ...

<https://www.sciencedirect.com/science/article/pii/S0168827820335984>

Aug 31, 2020 · Background & Aims. A common **genetic variant** near MBOAT7 (rs641738C>T) has been previously **associated** with hepatic fat and advanced histology in non-alcoholic **fatty liver disease** (NAFLD), however, these findings have not been consistently replicated in the literature. We aimed to establish whether rs641738C>T is a risk factor across the spectrum of NAFLD and characterize its role ...

Author: Kevin Teo, Kushala W M Abeysekera, Le...

Publish Year: 2020

A new definition for metabolic associated fatty liver ...

<https://www.researchgate.net/publication/340518225...>

Metabolic-dysfunction-associated fatty li ver disease (MAFLD), formerly named non- alcoholic **fatty liver disease** (NAFLD), affects about a quarter of the world's adult **population**,



ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

42,600 Results

Any time ▾

[Genetic predisposition in metabolic-dysfunction-associated ...](#)

<https://onlinelibrary.wiley.com/doi/10.1111/eci.13331>

Jun 26, 2020 · 1 INTRODUCTION. The recently defined **metabolic-dysfunction-associated fatty liver disease** (MAFLD), previously known as nonalcoholic **fatty liver disease** (NAFLD), 1, 2 is characterized by the presence of hepatic steatosis, as well as one of the following three criteria including overweight/obesity, type 2 diabetes mellitus (DM) or confirmed **metabolic** risk abnormalities. 3, 4 At ...

Cited by: 1**Author:** Abdulrahman Ismaiel, Dan L. Dumitrascu**Publish Year:** 2020

[Genetics of Nonalcoholic Fatty Liver Disease in Asian ...](#)

<https://pubmed.ncbi.nlm.nih.gov/30945694>

Nonalcoholic **fatty liver disease** (NAFLD) is characterized by the accumulation of fat in the **liver** without any history of chronic alcohol consumption. It encompasses a wide spectrum of diseases that range from simple steatosis to nonalcoholicsteatohepatitis. NAFLD is strongly **associated** with obesity, ...

Cited by: 4**Author:** Arun Kumar, Shalimar, Gagandeep Kaur ...**Publish Year:** 2019

[A new definition for metabolic dysfunction-associated ...](#)

<https://www.sciencedirect.com/science/article/pii/S0168827820302014>

Jul 01, 2020 · Introduction. **Metabolic dysfunction-associated fatty liver disease** (MAFLD), formerly named non-alcoholic **fatty liver disease** (NAFLD), affects about a quarter of the world's adult **population**, poses a major health and economic burden to all societies, , and yet has no approved pharmacotherapy. The high prevalence of this **disease** has been fuelled by the rapid rise in levels of ...

Cited by: 85**Author:** Mohammed Eslam, Philip N. Newsome, ...**Publish Year:** 2020

[Genetic Variants in the SAMM50 Gene Create Susceptibility ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4644533>