



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



شبكة المعلومات الجامعية
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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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التوثيق الإلكتروني والميكروفيلم

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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MONA MAGHRABY



Patatin-like phospholipase domain containing 3 (PNPLA3) as a non- invasive marker in Diagnosis of NASH

Thesis

*Submitted for Partial Fulfillment of Master Degree in
Gastroenterology*

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

لَسْبَدَانُكَ لَا عِلْمَ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

صدق الله العظيم

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List of Abbreviations

Abb.	Full term
acyl-CoA	Acetyl coenzyme A
ALT.....	Alanine aminotransferase
APOB.....	Apolipoprotein B100
APOC3.....	Apolipoprotein C-III
AST	Aspartate aminotransferase
BMI.....	Body mass index
ChREBP	Carbohydrate-responsive element-binding protein
CT	Computed tomography
CVD	Cardiovascular disease
DAG	Diacylglycerol
DNA.....	Deoxyribonucleic acid
ER.....	Endoplasmic reticulum
FFAs	Free fatty acids
FL	Fatty liver
GCK.....	Glucokinase
GCKR	Glucokinase regulator protein
GLA	Gut-liver axis
GM.....	Gut microbiota
HbA1c.....	Hemoglobin A1c
HCV.....	hepatitis C virus
HDL.....	High-density lipoprotein
HFCS.....	High fructose corn syrup
HIV	human immunodeficiency virus
HOMA-IR	Homeostatic Model Assessment for Insulin Resistance

List of Abbreviations Cont...

Abb.	Full term
HTGC	Hepatic triglyceride content
IHTGs.....	Intrahepatocellular triglycerides
IR	Insulin resistance
JNK/AP-1	Jun activated kinase/activator protein 1
KCs	Kupffer cells
MDBs.....	Mallory-Denk bodies
MGB	Minor groove binder
MRI.....	Magnetic resonance imaging
MTTP.....	Microsomal triglyceride transfer protein
NAFL.....	Non-alcoholic fatty liver
NAFLD	Non-alcoholic fatty liver disease
NAS	NAFLD activity score
NASH	Non-alcoholic steatohepatitis
NLRs.....	nucleotide oligomerization domain-like receptors
NPCs.....	Non-parenchymal cells
OGTT.....	Oral glucose tolerance test
PNPLA3.....	Patatin like phospholipase domain-containing protein3
PPARGC1A	Peroxisome proliferator activated receptor γ co-activator 1 α
PRRs	Pattern recognition receptors
PUFA.....	Polyunsaturated fatty acids
RNF20	Ring Finger Protein 20
SCFAs.....	Short-chain fatty acids
SMA.....	Smooth muscle actin

List of Abbreviations Cont...

Abb.	Full term
SNP.....	Single nucleotide polymorphism
SREBP- 1c.....	Sterol regulatory element binding protein-1c
T2DM.....	Type 2 diabetes mellitus
TAGs.....	Triacylglycerols
TG	Triacylglycerol
TGF.....	Transforming growth factor
TIBC	Total Iron binding capacity
TLRS.....	Toll-like receptors
TM6SF2.....	Transmembrane 6 superfamily 2
TNF	tumor necrosis factor
TSH.....	Thyroid stimulating hormone
VLDL.....	Very low density lipoprotein
WBC	White Blood Cells

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