



The Effect of Omega-3 Supplements on Antioxidant Capacity in Egyptian Children with Non-Alcoholic Fatty Liver Disease

Thesis

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By

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَأَنْزَلَ اللَّهُ عَلَيْكَ
الْكِتَابَ وَالْحِكْمَةَ
وَعَلَّمَكَ مَا لَمْ
كُنْ تَعْلَمُ وَكَانَ
فَضْلُ اللَّهِ عَلَيْكَ
عَظِيمًا

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List of Contents

Title	Page No.
List of Tables	i
List of Figures	iv
List of Abbreviations.....	vii
Introduction.....	1
Aim of the Work	2
Review of Literature	
▪ Background and Epidemiology of Non-Alcoholic Fatty Liver Disease	3
▪ Omega-3 Polyunsaturated Fatty Acids.....	13
▪ Influence of Macronutrients and micronutrients on NAFLD and Its Role in NAFLD Pathogenesis.....	24
▪ Nutrition and Hepatic Oxidative Stress.....	36
Patients and Methods	52
Results.....	61
Discussion.....	92
Summary	110
Conclusion	113
Recommendations	114
References	115
Arabic Summary	

List of Tables

Table No.	Title	Page No.
Table (1):	Comparison between the non supplemented group and omega intervention group regarding demographic data.....	61
Table (2):	Comparison between non supplemented group and omega intervention group regarding 24 hour dietary recall.....	63
Table (3):	Comparison between non supplemented group and omega intervention group regarding anthropometric measurement before intervention.	64
Table (4):	Comparison between non supplemented group and omega intervention group regarding lab parameters before intervention.....	66
Table (5):	Comparison between non supplemented group and omega intervention group regarding serum total antioxidant capacity and malonyldialdehyde before intervention.	67
Table (6):	Comparison between non supplemented group and omega intervention group regarding grade of fatty liver by ultrasound before intervention.....	68
Table (7):	Comparison between non supplemented group and omega intervention group regarding anthropometric measurements after intervention.	69
Table (8):	Comparison between non supplemented group and omega intervention group regarding body composition after intervention.	70
Table (9):	Comparison between non supplemented group and omega intervention group regarding lab parameters after intervention.	72

List of Tables cont...

Table No.	Title	Page No.
Table (10):	Comparison between non supplemented group and omega intervention group regarding serum total antioxidant capacity and malonyldialdehyde after intervention.....	74
Table (11):	Comparison between non supplemented group and omega intervention group regarding grades of fatty liver by ultrasound after intervention.	75
Table (12):	Comparison between before and after intervention in non supplemented group who did not receive omega regarding anthropometric measurements.....	76
Table (13):	Comparison between before and after intervention in non supplemented group regarding body composition.	78
Table (14):	Comparison between before and after intervention in non supplemented group regarding lab parameters.	79
Table (15):	Comparison between before and after intervention in non omega group regarding total antioxidant capacity and malonyldialdehyde.....	80
Table (16):	Comparison between before and after intervention in non supplemented group regarding grades of fatty liver by ultrasound.	81
Table (17):	Comparison between before and after intervention in omega intervention group regarding anthropometric measurement.	82

List of Tables cont...

Table No.	Title	Page No.
Table (18):	Comparison between before and after intervention in omega intervention group regarding body composition.	83
Table (19):	Comparison between before and after intervention in omega intervention group regarding laboratory parameters.	84
Table (20):	Comparison between before and after intervention in omega intervention group regarding total antioxidant capacity and malonyldialdehyde.	85
Table (21):	Comparison between before and after intervention in omega intervention group regarding grades of fatty liver by ultrasound.	86
Table (22):	The rate of change between non supplemented group and omega intervention group after intervention regarding anthropometric measurements.	87
Table (23):	The rate of change between non supplemented group and omega intervention group after intervention regarding body composition.	88
Table (24):	The rate of change between non supplemented group and omega intervention group after intervention regarding laboratory parameters.	89
Table (25):	The rate of change between non supplemented group and omega intervention group after intervention regarding antioxidant capacity.	90

List of Figures

Fig. No.	Title	Page No.
Figure 1:	Mechanisms linking NAFLD to cardiovascular disease (CVD)	9
Figure 2:	Synthesis and metabolites of omega-6 and omega-3 fatty acids	19
Figure 3:	Mechanism linking dietary fructose intake and hepatic fatty acid metabolism	28
Figure 4:	Comparison between non supplemented group and omega intervention group regarding age.....	62
Figure 5:	Shows comparison between non supplemented group and omega intervention group regarding sex.....	62
Figure 6:	Comparison between non supplemented group and omega intervention group regarding height (cm), weight (kg) and BMI (kg/m ²) before intervention.....	65
Figure 7:	Comparison between non supplemented group and omega intervention group regarding fasting glucose, ALT and fasting lipid profile before intervention.....	66
Figure 8:	Comparison between the two studied groups regarding serum total antioxidant capacity and malonyldialdehyde before intervention.	67
Figure 9:	Comparison between non supplemented group and omega intervention group regarding grades of fatty liver by ultrasound before intervention.....	68

List of Figures cont...

Fig. No.	Title	Page No.
Figure 10:	Comparison between non supplemented group and omega intervention group regarding anthropometric measurements and body composition after intervention	71
Figure 11:	Shows comparison between the two studied groups regarding fasting glucose, ALT and fasting lipid profile after intervention as it	73
Figure 12:	Comparison between non supplemented group and omega intervention group regarding serum total antioxidant capacity and malonyldialdehyde after intervention.	74
Figure 13:	Comparison between non supplemented group and omega intervention group regarding grades of fatty liver after intervention.....	75
Figure 14:	Shows comparison between patients who did not receive omega before and after the study regarding height, weight and BMI.....	77
Figure 15:	Comparison between before and after intervention in non supplemented group regarding body composition and anthropometric measurements.	78
Figure 16:	Comparison between patients who did not receive omega before and after the study regarding laboratory parameters.	79
Figure 17:	Comparison between patients who did not receive omega before and after intervention regarding grades of fatty liver by ultrasound.....	81

List of Figures cont...

Fig. No.	Title	Page No.
Figure 18:	Comparison between before and after intervention in omega intervention group regarding body composition and anthropometric measurement	83
Figure 19:	Comparison between before and after intervention in omega intervention group regarding laboratory parameters.	84
Figure 20:	Comparison between before and after intervention in omega intervention group regarding total antioxidant capacity and malonyldialdehyde.....	85
Figure 21:	Comparison between before and after intervention in omega intervention group regarding grades of fatty liver.	86
Figure 22:	The difference of change in height Z score, weight Z score, and BMI Z score between non supplemented group and omega intervention group.	88
Figure 23:	The difference of change in between non supplemented group and omega intervention group regarding anthropometric measurements	89
Figure 24:	The rate of change between non supplemented group and omega intervention group after intervention regarding laboratory parameters....	90
Figure 25:	The rate of change between non supplemented group and omega intervention group after intervention regarding antioxidant capacity.	91

List of Abbreviations

Abb.	Full term
<i>AA</i>	<i>Arachidonic acid</i>
<i>ALA</i>	<i>Alpha-linolenic acid</i>
<i>ALT</i>	<i>Alanine aminotransferase</i>
<i>AST</i>	<i>Aspartate aminotransferase</i>
<i>BMI</i>	<i>Body mass index</i>
<i>ChREBP</i>	<i>Carbohydrate response element binding protein</i>
<i>CVD</i>	<i>Cardiovascular disease</i>
<i>DEXA</i>	<i>Dual-energy X-ray absorptiometry</i>
<i>DHA</i>	<i>Docosahexaenoic acid</i>
<i>ELOVL</i>	<i>Elongation-of-very-long-chain-fatty acid</i>
<i>EPA</i>	<i>Eicosapentaenoic acid</i>
<i>ETA</i>	<i>Eicosatetraenoic acid</i>
<i>FADS</i>	<i>Fatty acid desaturase</i>
<i>HA</i>	<i>Hyaluronic acid</i>
<i>HDL</i>	<i>High density lipoprotein</i>
<i>IL</i>	<i>Interleukin</i>
<i>LA</i>	<i>Linoleic acid</i>
<i>LDL</i>	<i>Low-density lipoprotein</i>
<i>MRI</i>	<i>Magnetic resonance imaging</i>
<i>MRS</i>	<i>Magnetic resonance spectroscopy</i>
<i>NAFLD</i>	<i>Non-alcoholic fatty liver disease</i>
<i>NASH</i>	<i>Non-alcoholic steatohepatitis</i>
<i>NEFA</i>	<i>Non-esterified fatty acid</i>
<i>NFκB</i>	<i>Nuclear factor kappa-light-chain-enhancer of activated B cells</i>
<i>PNPLA3</i>	<i>Patatin-like phospholipase domain-containing protein-3</i>

List of Abbreviations cont...

Abb.	Full term
<i>PPAR</i>	<i>Peroxisome proliferator-activated receptor</i>
<i>SNP</i>	<i>Single nucleotide polymorphism</i>
<i>SREBP-1c</i>	<i>Sterol regulatory element binding protein-1-c</i>
<i>TG</i>	<i>Triglycerides</i>
<i>TIMP-1</i>	<i>Tissue inhibitor of matrix metalloproteinase-1</i>
<i>TNF</i>	<i>Tumour necrosis factor</i>
<i>VLDL</i>	<i>Very-low-density lipoproteins</i>