

TABLE OF CONTENTS

Declaration.....	2
Abstract.....	3
Acknowledgements.....	6
List of Abbreviations.....	7
Appendices.....	9
List of Figures.....	10
Table of Contents.....	11

1. Chapter 1: Literature Review

1.1 NAFLD.....	14
1.1.1 Introduction.....	14
1.1.2 Definition.....	14
1.1.3 Epidemiology.....	15
1.1.4 Characteristics.....	16
1.1.5 Pathogenesis of NAFLD.....	18
1.1.6 Diagnosis of NAFLD.....	26

1.1.7	Role of Obesity and Alcohol.....	27
1.1.8	Alcohol Metabolism and the Liver.....	30
1.2	Metabolic Syndrome.....	31
1.2.1	Introduction.....	31
1.2.2	Components of the Metabolic Syndrome.....	32
1.2.3	Pathogenesis of the Metabolic Syndrome.....	33
1.2.4	Diagnosis of the Metabolic Syndrome.....	36
2.	Chapter 2: The role of increased gastrointestinal alcohol production in patients with the Metabolic Syndrome:	
2.1	Aims of the Study	39
2.2	Subjects Under Study	39
2.3	Data Collection.....	41
2.3.1	Data.....	41
2.4	Specimen Analysis.....	42
2.4.1	Alcohol Analysis.....	42
2.4.2	Analysis of Blood.....	46
2.5	Statistical Analysis.....	47

3.	Chapter 3: Results	
3.1	Anthropometric Data.....	48
3.2	Fasting Lipid Profiles.....	50
3.3	Serum Aminotransferases.....	50
3.4	Ultrasound Results.....	51
3.5	Alcohol Measurements.....	52
3.6	Study Subjects with detectable Alcohol concentration levels.....	53
3.7	Adipocytokines.....	54
3.8	Inflammatory Markers.....	54
4.	Chapter 4: Discussion	55
5.	Chapter 5: Limitations	59
6.	References	62
7.	Appendices	74