

CONTENTS

10 BENEFITS OF THE LCHF DIET	11
INTRODUCTION	13
Three Disclaimers for You, Precious Readers	15
None of the Diets Work – Tested! Why Should This One?	16
On Choice of Words and other Semantic Affairs	20
Fats	20
Healthy and Natural	20
“Porklings”	21
Diets	22
FAT IN THE 21ST CENTURY: PUBLIC ENEMY NUMBER 1	25
How Did We Manage to Get So Fat?	25
Why Are You Overweight?	28
History Of Food Consumption	31
Prehistoric Period Before the Neolithic Revolution	32
The Neolithic Agricultural Revolutions	33
The Industrial Revolution	34
Obesity Epidemic and Measures to Control it	37

THEORY	45
How does Our Body Get Energy from Food?	45
Dietary Fats	48
Triglycerides	49
Degree of Saturation	50
The Chain Length	53
The Most Important Fatty Acids	55
Fatty Acid Profiles in Major Fatty Foods	57
MCT Oil	59
Cholesterol	61
Carbohydrate Restriction Diets	65
Dr. Atkins Diet	70
What is the Ketogenic Diet and How Does It Work	71
Dietary Ketosis – When Blood Glucose Levels Drop	71
Ketogenic Spectrum: Dietary Ketosis is Different to Ketoacidosis	74
Measuring Levels of Ketone Bodies	78
Through Urine	78
Through Exhaled Air	79
Through Blood	80
Criticism of the Ketogenic Diet	80
Can You Assure That the Ketogenic Diet Isn't Just a Trend?	83
(Therapeutic) Effects of the Ketogenic Diet	84
Overweight and Obesity	85
Popularity of the Ketogenic Diet Among Users	88
Lowered Appetite and Hunger During the Ketogenic Diet	89
Science on Obesity and the Ketogenic Diet	90
What's the Deal with Insulin?	94
Insulin Resistance	97
Type 2 Diabetes	98
The Metabolic Syndrome	99
The Ketogenic Diet, Insulin, Diabetes	99
Dietary Fats Block Arteries and Are Extremely and Awfully Terrible	106

Extremely and Awfully Terrible Fat	110
Using Ketogenic Diet to Tame Wild Blood Lipids	113
The Brain Surely Needs Glucose	117
Side Effects	120
Keto Flu	121
Hypoglycemic Episodes	122
Vitamin and Mineral Deficiency	123
Frequent Urination	123
Constipation or Diarrhea	124
Acetone Breath	125
Long-Term Side Effects	125
Who is the Diet Rich in Fats Suitable for?	129
Dilemma: Keto or LCHF?	133
Keto Ratios – Ratios of Macro Nutrients	135
PRACTICAL ADVICE	137
FINAL THOUGHTS	153
REFERENCES	155