



The Online Nutritionist

"Nutrition Solutions for Everybody"



Top Weight Loss Myths Busted!



Introduction

Thank you for taking the time to download my ebook.

With so much conflicting information out there about nutrition and weight loss, I thought it would be helpful to shed some much needed light on some of the common myths.

Losing weight is not easy but it is simple if you know how. My aim is to give you the knowledge you need to make your OWN educated decisions. Losing weight is not a race, rather a lifelong journey and a way of life.

The sad statistic is that out of the millions of people that embark on starting any diet, less than 5% will actually keep it up and 95% will actually weigh more than when they started in five years time! Diets do not work. The only way to lose weight is to 1. Arm yourself with the education needed to make good day to day lifestyle decisions. 2. Make your health a priority in your life. 3. Consume less calories than the amount your expend.

I am not a sales person and I do not believe in forcing people into purchasing products they do not need or can not afford. However, I love nutrition and the many benefits that eating a balanced diet can provide. Seeing so many of my clients lose weight, get in shape and gain a dramatically better quality of life, is the best reward I could ever ask for.

I do not sell my services to the masses. Reason being, I strongly believe that there is no one size fits all approach for losing fat and anyone that tells you otherwise is just trying to make a quick buck! I focus on one on one consults via Skype and providing an online system that is 100% personalized and most importantly 100% works!

Over the coming weeks, I will send you some useful tips and yummy recipes that can help support you on your journey to a better, healthier you.

I hope one day we will meet via skype or in person so that I can better help you with your personal goals.

Together we can help you not only get into the best shape of your life, but most importantly, understand how you got there and how to keep the results for the rest of your life!

All the best,



Matt Straight

1. Lifting weights will make you big and bulky

Weight lifting has a lot of benefits in terms of losing weight and getting fit. However, a lot of people especially women refuse to lift weights in the fear of becoming big and bulky. Realistically, it takes much more than lifting weights to bulk up.

Muscles do not magically grow without a reason. In order to get big and bulky, you need at least two things. First is a hypertrophy or muscle growth stimulus. Your body needs a switch or a trigger in order to start building muscles. Strength training, sprinting or high intensity interval training (HIIT), and other kinds of anaerobic exercises are some of the most common muscle stimuli.

The second thing that can make you big and bulky is a calorie surplus. In order to put on weight, you have to eat more calories than you actually burn. That really big and bulky look cannot be achieved without eating more food over the long term.

Doing strengthening activities 3-5 days a week does not bulk you up. Only intense strength training, combined with a certain genetic background and a huge amount of calories can build very large muscles.

For every kilogram of muscle you put on, the energy needed to create that kilogram has to burn at least two kilograms of fat. Fat is a spongy tissue and four times the size of a muscle. When you lose a kilo of fat and gain an equal amount of muscle, your body is actually smaller, more toned and compact.

The fastest way to lose fat weight is to fuel muscle fibre by putting it under strain that it is not used to. Muscle burns more calories than body fat. In fact, for every kilo of muscle you add to your body, your metabolism is raised by 50 calories a day, even if you are just sitting down.

Weight training helps improve your appearance. If you think about it, a firm body with muscles looks more attractive than a body with excessive fats. Another benefit of lifting weights is speeding up fat loss and making it easier while you are dieting. While dieting, you are not only losing fats but precious muscles as well. This is the reason why you should pair your diet with resistance training like lifting weights or at least have some kind of high-tension stimuli.

When you eat less than you burn, your body cuts down on things that cost energy, which include your muscles. Doing resistance training helps signal your body that it should not cut down your muscles because you need them in spite of a calorie deficit. This simply makes you lose more fat and less muscle.

Strength training has also been found to boost insulin sensitivity. Improved insulin sensitivity allows your body to deal more effectively with glucose. Your body will store less glucose as fat and have a more effective means of transporting protein into cells. Your blood will also be less syrupy and toxic.

Lifting weights also helps speed up your metabolism because as you develop muscles, you burn more energy than fat. It also improves your physical fitness or work ability. Research says that weight training improves your maximal oxygen uptake or VO2 max, which is a measure of physical fitness. This means that when you lift weights, you can perform better at physical activities such as running, jogging, and many others.

2. Eating very little will help you lose weight

One of the most common complaints I would hear from my over 100kg clients is that they would eat very little and exercise regularly but still gain weight. If the gap between energy out and energy in is more than around 1000 calories a day, the result can often mean that the body goes into a state of starvation and holds on to as much fat weight as possible. This is why very low-calorie diets do not work and are never sustainable.

Why would your body want to let go of body fat stores when instinctively your brain is sending messages to it? The brain is told that there is severe lack of food and therefore must hold onto as much fat as possible to stay alive. When the mind perceives a lack of food, it automatically tells the body the best way to survive and fires into action. In instances of continued famine (eating 1000 less calories than the energy we expend in a given day), the body reacts by storing fat. Fat, having the highest energy content at 9 calories per gram, is stored as a fat tissue on the body and supplies the body with over double the useable energy than that of carbohydrates and proteins. Proteins and carbohydrates offer only 4 calories per gram. Remember, we are generically wired for survival.

Food energy is measured in calories. Every food has a different calorific value. A gram of lettuce has about 0.2 calories, while a gram of avocado has around 7 calories. The scientific measurement of a calorie is the energy needed to increase the temperature of 1 gram of water by 1 °C. It is slightly technical, but it pretty much means that the higher the calorie value of a particular food, the longer it takes your body to burn it off. Or on the positive side, the more energy available, the more energy we have available to perform exercise or daily tasks.

When we consume fewer calories than we expend over a sustained period of time, we experience weight loss. The energy required to burn one kilo of fat, is 7000 calories. Therefore, if you consume 500 less calories than what you expend every day for seven days, you will have created a deficit of 3500 calories. So, in theory, you should have burned ½ kilo of fat in one week. This is the case, unless the dieter gets too carried away and the gap between input and output becomes more than 1000 calories.

Eating very little does not necessarily mean that you will lose weight because as mentioned above, each food has different caloric values. It is not only about the amount of food that you eat but the number of calories it has. Most diet plans has a lot of restrictions, typically cutting calories, removing carbohydrates and advising you to put less food on your plate. There are research findings that the best strategy for shedding pounds is adding nine or more servings daily of fruits and vegetables.

Fruits and vegetables have a low calorie density. This means that these types of foods don't pack a lot of calories per bite. They are stuffed with water and fiber and not with calories so they are bigger and heavier. They are more filling and allow you lose excess weight without having to suffer from chronic hunger.

Other than fruits and veggies, you may opt for other perfect low- to medium-calorie-dense choices like brown rice, whole-wheat pastas, sweet potatoes, corn, hot cereals, nonfat dairy foods, potatoes, peas and beans, lean, poultry, seafood, and lean meat.

3. You don't have to count calories

It has already been established that a calorie is the amount of energy needed to increase the temperature of 1 gram of water by 1 degree Celsius. The calories in food are actually in kilocalories or 1000 calories. When we say that a carbohydrate like sugar has 4 calories per gram, what we really mean is that it has 4 kilocalories per gram. Basically, one gram of sugar can raise the temperature of 1000 grams of water by 4 degrees Celsius. The calories found in food provide a measure of the energy content.

The number of calories that a person needs will depend on the size of their body and their level of activity. A person with a large build needs more calories than someone who is small. On the other hand, a physically active person requires more calories than an inactive person. Men need more calories than women. The minimum amount of energy required when resting, called the Basal Metabolic Rate (BMR) can be calculated using the Mifflin-St Jeor equations. These equations require the weight in kilograms, the height in centimetres, and the age in years. The BMR has to be multiplied by an activity factor to estimate the daily calorie requirements.

While we should not be obsessed with every calorie we eat, you must be aware of how many calories you are consuming by the foods you choose to eat on a given day. You need to make sure that you are eating less than you are expending.

People tend to overestimate their physical activity and underestimate their calories. Don't rely on eyeballing your caloric intake or trying to estimate it. Instead, every day write down what you eat, the corresponding calories, and your physical activities. To make it easier for you to quantify your physical activity, wear a pedometer. Do this every day; not just once or twice a week. Consistency is important for dieting. Sure, this isn't easy. But if you want to lose weight, this is important to do on a daily basis.

Since one pound of body fat has about 3,500 calories, a reduction of 100 calories per day will cause the loss of one pound of weight in 35 days. By just cutting out the calories equivalent to one slice of buttered toast from your diet, you can lose 15 pounds in one year and a half. Similarly, you can gain 15 pounds in a year and a half by eating 100 calories extra per day.

A person can accelerate weight loss by further reducing the calories, but a diet plan should not cut intake below 1,300 calories per day as it is difficult to sustain. Obtaining all the necessary nutrients with very low calorie diets can also be difficult. Another undesirable effect of very low calorie diets is putting the body into starvation mode and decreasing the Basal Metabolic Rate (BMR) or estimated minimum level of energy. A decline in BMR reduces weight loss and causes you to regain weight faster when you overeat because you consume more excess calories over your new, lower BMR.

The best diet plan should be one that can be maintained for many months until healthy eating habits become part of one's lifestyle. As a basic rule, a person's daily calories should go below 15 percent of the calories required by their target weight and activity level.

If you are not used to dieting and measuring your food, the best way to start is to just eat normally for about one week, but weigh and measure everything that you eat or drink. This will establish a baseline of your normal eating habits and your ad libitum caloric intake.

4. Fruit juice is better than soft drinks

A lot of people do not realize how much sugar they consume when they drink fruit juice. Those who are aware that fruit juice does contain sugar assume that this kind of sugar is healthier than the one found in soft drinks. Although fruit juice may contain a few more vitamins than commercial soda, both are actually loaded with the same unhealthy sugar and carbohydrates.

Next time you are in the supermarket, pick up a bottle of natural fruit juice and a bottle of soda. When you compare them, they have the same amount of calories. Substituting soda for fruit juice will not help you lose weight. The only difference between the two is that soda has sucrose sugars and fruit has fructose sugars.

Some fruit juices even contain more sugar than soft drinks. An eight-ounce glass of apple juice contains 117 calories and 29 grams of sugar, while eight ounces of cola contain only 97 calories and 27 grams of sugar. While that quantity of apple juice does contain 172% of your daily value of vitamin C, it is full of empty calories. You can simply get vitamin C from other low-calorie sources.

If you are struggling with your weight, it is not a good idea to drink too much fruit juice because it will be harder to shed off the pounds or maintain a healthy weight. Whenever you are thirsty, drink as much water as you can and skip the sugary ones. If you are craving for fruit, eat it, rather than drinking it.

Manufacturers of fruit juices often tell you that you can get your daily fruit serving from juice. You have to remember that eating an actual piece of fruit is the better choice because when you drink juice, what you are consuming is the sugars of the fruit. Whole fruits contain healthy fibres that cleanse your intestines and control your hunger by making you feel satisfied. Fruit juice doesn't contain any of these fibres.

An eight-ounce serving of orange juice has 112 calories, 21 grams of sugar and only 0.1 grams of fibre. On the other hand, a whole orange only contains 45 calories, 9 grams of sugar and 2.3 grams of dietary fibre. Eating the whole fruit will give you the sweet taste you crave in fruit juice while providing you with a little amount of the sugar and calories.

Don't fall into the trap of buying brands that promise to contain 100 percent fruit juice. Some are actually fruit juice cocktail that contains large amounts of sugar. These types of juices are generally cheap, but its affordability comes at a price to your health. These fruit juice cocktails are made by diluting fruit juice with water and sweetening it with high fructose corn syrup. High fructose corn syrup consumption is linked to a number of health problems that include heart disease and type 2 diabetes. You always have to check the sugar content of the juice you are buying because even if there is no high fructose corn syrup, it may still be loaded with a lot of sugar.

With some exceptions, it is not advisable to drink your calories. Unless you are drinking low-fat or fat-free milk, just stick to plain water because liquid calories can rapidly add up and spoil your diet. If you ever crave for a sweet drink, try eating a piece of whole fruit, like slices of watermelon or an orange and drink a glass of water. This is a great way to quench your thirst and have the sweetness of the fruit along with its vitamins and natural fibre.

5. The only way to lose weight is to cut your carbohydrate intake

Low carbohydrate diets such as the Atkins diet work by keeping carbohydrates so low, that the body's only choice is to use the next available fuel source: fat. Dieters that drop their carbohydrates drastically will notice an almost immediate drop in weight. Unfortunately for the dieter, this initial weight loss is nothing more than a loss of water. When carbohydrates are broken down, they become glycogen. One part glycogen holds on to four parts water. The body consists of 60% water and less glycogen means less water.

Also, as the dieter is unable to eat carbohydrates, the only nutrients left to consume is proteins and fats. A diet in which protein makes up more than 40% of your daily calorie intake can cause a build-up of toxic ketones. Low-carbohydrate diets can thrust your kidneys into overdrive in order to flush these ketones from your body. As your kidneys are responsible for ridding your body of these toxic ketones, you can lose a significant amount of water. This, in addition to the drop in glycogen which reduces water content in the body, can put you at risk of dehydration, particularly if you exercise heavily. Along with the loss of water, you lose muscle mass and bone calcium. The dehydration also strains your kidneys and puts stress on your heart.

Two kilos of water will usually be lost within the first two to three days. After a few days, the body will go into a state of ketosis and start using fat to fuel the body. Fat tissue now starts getting burned as opposed to being stored. That being said, weight loss will only occur if you keep your calorie intake less than what you are expending.

These diets are not sustainable and are very restrictive. Eating high amounts of fat and protein, the only two food groups allowed, causes two problems: (1) it puts a lot of stress on the digestive system and internal filtering organs, and (2) the body becomes super sensitive to carbohydrates when a person comes off the diet.

Most low-carbohydrate dieters will sooner or later give in to temptations of indulging into tasty baked or deep-fried carbohydrates. When carbohydrates are re-introduced, the body becomes super sensitive and overcompensates after being deprived of carbohydrates for a sustained period of time. It is comparable to a sponge that has been squeezed dry. As it comes in contact with water again, it soaks it up very fast. The body sucks up the carbohydrates, where the dieter suffers from water retention and looks a bit bloated.

Carbohydrates are not solely the reason for weight gain. They just need to be moderated and carefully selected so they will work for you instead of against your fat-loss goals. Extreme carbohydrate reduction can cause bad breath, nausea, weakness, fatigue, mood swings, breakdown in muscle tissue, and dizziness. Diet plans that eliminate carbohydrates are usually low in fibre, vitamin C, calcium, antioxidants, and B vitamins. They are likely to be high in fat, specifically saturated fat. Saturated fat can cause high cholesterol level that can increase the risk of heart disease.

You should not cut all carbohydrates from your diet. Instead, cut down on your carbohydrate intake to the daily recommended intake of 300 grams. Limit your intake of desserts and other unhealthy carbohydrates. Go for fibre-rich ones such as whole grains, bran, oats, etc.

6. Cutting all fats out of your diet will help you lose fat

Our bodies need fats to function. Eating fats containing HDL cholesterol can actually help reduce cholesterol levels in the body, reducing the risk of stroke and heart disease. Cutting too much fat out of our diets can actually be dangerous and counter-productive for fat loss.

When we cut fat out of our diets, it sends a message to our brain that there is a lack of fat. Knowing that fat is essential for survival, when the body senses a lack of fat, it starts holding on to as much fat as possible from the small amounts it receives; as opposed knowing there is a plentiful supply and therefore allowing the body to use it as its secondary fuel source.

Over the last 50 years the percentage of people in most countries who are overweight has increased dramatically. This is due to many factors, but not because people's fat intake has since increased. Over the last five decades the consumption of carbohydrates as a percentage of total calorie consumption has increased significantly – not fat consumption. Fat is a fuel that does not make your body produce more insulin; carbohydrates do that. Fat plays an important role in slowing down the absorption of blood sugars from broken down carbohydrates which stabilizes blood sugar levels and reduce insulin secretions. The more insulin your body produces the more energy you will store away as fat.

The word "Fat" is one of the least liked words in the English vocabulary.

No one likes to be told that they are fat. But fat is one of the three essential nutrients we need to survive and is crucial for normal body function. Without it we could not live.

Not only does fat supply us with energy, it also makes it possible for other nutrients to do their jobs. Fat is a high calorific energy source that provides the body with 9 calories per gram. More than double than that of carbohydrates and proteins.

How much fat should I eat?

According to the *Dietary Guidelines for American 2005*, the following daily intake percentages are recommended:

- Children aged 2 to 3 – total fat limited to 30%-35% of total calorie intake
- Children aged 4 to 18 – total fat limited to 25%-35% of total calorie intake
- Adults aged 19 and older – total fat limited to 20%-35% of total calorie intake

Fat is essential to our survival, and let's face it, it makes almost any food taste amazing! When we dine at a restaurant, we often marvel at how amazing their dishes taste in comparison to the dishes we create at home. The main difference between home cooking and restaurant food is the fats added in the way of oils and dairy products such as cream.

When you make the decision to eat out, you have no idea of knowing what the chef has added to the dish. Often there will be high amounts of seasonings such as Monosodium Glutamate (MSG) and fats added to enhance the flavors of the dish. Even salads often contain high amounts of fats from dressings, cheeses and meats. So when you dine out, my recommendation would be to order whatever you want.

Choose it, eat it and most importantly, ENJOY IT! Dining out is fun and a great way to socialize with friends and loved ones. My wife and I dine out once a week. If you are conscious about your health, you cannot afford to risk the game of Russian Roulette when guessing what has been put into the dish. I look forward to eating whatever I want when I dine out and use this as an incentive to be well behaved during the remainder of the week. Sometimes instead of dining out, we will spend half the amount of what it would have cost for a meal out and go to the supermarket and buy some salmon, scallops or prawns and have a tasty, but controlled meal of high quality foods. There is no need to compromise on taste, just because you are on a diet. You just need to establish boundaries and make a decision that your health is worth the discipline to stay within them.

If we pick the fats and oils that we ingest, we can still consume around 20 – 30% of our daily calories and still lose fat weight.

7. To lose weight you must cut out all treats

Restrictive dieting can be very difficult to sustain especially when you feel deprived of the treats that you really love. Deprivation is the downfall of all diets. You can have a small portion of dessert to satisfy your sweet tooth and still stick to your diet. You just need to master portion control. Food is pleasurable for many people. You can treat yourself with your favorite sinful food, but don't overindulge. You can create a diet that lets you eat sweets once a day or once a week. Dieters who deprive themselves tend to go overboard when they finally get a taste of candy, cake or cookies after a long period of time.

A diet regimen that allows you to dig into occasional treats while still focusing on healthy nutritional choices will certainly help you balance your craving yet still be focus on the necessity to lose weight. Eating healthy foods while still allowing yourself regular treats has a lot benefits. You eliminated the feeling of deprivation, which means that you learn to control your yearning for tempting foods. If you do lose weight through a strict and low-calorie diet, but never let yourself have some tempting food occasionally, you may have difficulty to eat small portions of sweets once you reach your goal. When you set defined portion of treats per day or allocate a certain amount per week, you will successfully stick to your eating plan and lose weight.

Because you have a treat waiting for you at the end of the day or week you find it easy to eat healthy foods. You don't have to get guilty about giving in to your cravings, which usually ends up in overeating. It is preferable to have these treats once a week since eating more calories once a week temporarily boosts your metabolism. Chances of gaining weight from occasionally treating yourself weekly are less. The secret to staying on the healthy eating plan while having treats is to immediately resume to your diet once your treat time is over. Indulge in a weekly treat by eating normally and following your diet plan six days a week. Choose one of the weekends to have your beloved meal, followed by a small amount of your chosen dessert. You may also have a three-times-a-week indulgence by portioning out half a serving of chips, chocolate or ice cream.

When you buy a treat to balance your dieting week, choose one serving at a time or divide the bigger bag into individual servings. Putting them into snack-sized zipper bags is a great idea so you won't overindulge. On your cheat day, eat healthy, filling foods so you won't overeat your treat because of hunger. Don't think of your treat as an off-limit food. Instead, think of it as an acceptable part of your healthy diet plan.

Opt for the healthiest treats that can satisfy your cravings. This way, your treat would not be that sinful and you will still be contented. If you love chocolates, choose the dark kind. It is a much healthier choice than the milky variety. If you want a cookie, select those made with oats or whole grains. Gelatin and yogurt are also healthy dessert choices.

Know how many calories you are expending and how many calories you are eating. You can still eat a treat as long as your calorie intake for the day does not exceed what you are expending.

When you eat a treat, choose to and enjoy it. So many people succumb to cravings, sneak a treat and are too busy feeling guilty to enjoy it.

Sit down and enjoy every bite. Remember that treats are great rewards for several days of perfect eating.

8. As long as I exercise, I can eat what I want

This is not true. While exercise is important, it only equates to about 40% of the equation. The ONLY way to lose weight is to eat less and move more.

As obvious as it sounds, this really is the only way any diet will work. From the Atkins Diet to the South Beach Diet, diets will only work if the dieter consumes fewer calories than they expend, with one exception.

While it is true that weight loss can only occur when we expend more calories than what we ingest, if we eat too little and make the gap between energy intake and energy output too large, things can go terribly wrong. For instance; Put Lance Armstrong on a daily calorie intake of 2000 when on an average training day, he would burn more than 13000 calories and before long, he would be sick as a dog and in a state of anorexia.

One of the most common complaints I would hear from my over 100kg clients, was that they would eat very little and exercise regularly but still gain weight. If the gap between energy out Vs energy in is more than around 1000 calories a day, the result can often mean that the body goes into a state of starvation and holds on to as much fat weight as possible. This is why very low calorie diets do not work and are never sustainable.

Why would your body want to let go of body fat stores when instinctively your brain is sending messages to the body that there is a severe lack of food and therefore must hold onto as much fat as possible to stay alive for as long as possible? When the mind perceives a lack of food, it automatically tells the body the best way to survive and fires into action. In instances of continued famine, (eating 1000 less calories than the energy we expend in a given day) the body reacts by storing fat. Fat, having the highest energy content at 9 calories per gram, is stored as fat tissue on the body and supplies the body with over double the useable energy than that of carbohydrates and proteins. Proteins and carbohydrates offer only 4 calories per gram. Remember, we are generically wired for survival.

Food energy is measured in calories. Every food has a different calorific value. A gram of lettuce has about 0.2 calories, whereas a gram of avocado has around 7 calories. The scientific measurement of a calorie is the energy needed to increase the temperature of 1 gram of water by 1 °C. Slightly technical, but pretty much meaning that the higher the calorie value of a particular food, the longer it takes your body to burn it off. Or on the positive side, the more energy available, the more energy we have available to perform exercise or daily tasks.

When consume less calories than we expend over a sustained period of time, we experience weight loss. The energy required to burn one kilo of fat, is 7000 calories. Therefore, if you consume 500 less calories than what you expend every day for seven days, you will have created a deficit of 3500 calories. So, in theory, you should have burned ½ kilo of fat in one week. This is the case, unless the dieter gets too carried away and the gap between input and output becomes more than 1000 calories.

Energy Output

Our energy output is determined by two things. 1. The calories burned from normal bodily function (Basal metabolic rate or BMR) such as breathing, organ function and digesting food. 2. Additional

natural movement such as moving limbs and walking throughout the course of the day and any additional exercise.

Working out your BMR

BMR is dependent on the individual's body weight and can be roughly calculated by multiplying your lean body mass in pounds by 14.

E.g. A person at 200 lbs. with 20% body fat leaves 160 lbs. lean mass. $160 \times 14 = 2240$ calories. That is your BMR. Record this number below.

My BMR is: _____ Calories per day

Then you need to add additional exercise to find out how many calories you approximately expend on a daily basis.

Count how many minutes of exercise you are doing on a daily basis and at what intensity. Eg. 60 minutes at 80% intensity = 48 minutes of 100% intensity.

Count the same every day for a week.

Monday: _____ mins at _____% intensity = _____ active mins

Tuesday: _____ mins at _____% intensity = _____ active mins

Wednesday: _____ mins at _____% intensity = _____ active mins

Thursday: _____ mins at _____% intensity = _____ active mins

Friday: _____ mins at _____% intensity = _____ active mins

Saturday: _____ mins at _____% intensity = _____ active mins

Sunday: _____ mins at _____% intensity = _____ active mins

TOTAL _____ active mins

Take your total number of active minutes and divide the number by 60. = _____ Then add this number to 14. $14 + \text{_____} = \text{_____}$

Now take that number and multiple it by your total lean mass in pounds.

For dieters that want to lose fat weight, subtract 500 to 1000 calories off your daily expenditure and consume that amount of calories.

For some smaller people, you may find that this level of calories is too low. Even for the smallest dieter, it is important to never consume any less than 1200 calories for a woman and no less than 1800 calories for a male for any sustained period of time.

Energy Input

Our energy input is determined by the quantity of food we ingest and their combined calorific values.

9. As you get older, you're destined to become overweight

With age comes knowledge and, sometimes, weight.

The first clue as to why some of us struggle to effectively manage our health and weight as we get older may be revealed if we take a moment to remember our childhood. For most of us, in our preteen years, we were bursting at the seams with energy and cramming every waking minute with as much life as humanly possible.

Rising with the early birds and last to bed at night, we would often challenge our parents' rule that we should get a decent night's sleep. As adults with the weight of the world on our shoulders, we remain in our beds for as long as we possibly can, thinking of all the reasons to stay in bed, rather than getting up to meet the new day. The snooze button has become our new best friend, and our worst enemy is the alarm clock sitting on the bedside table.

With not a care in the world and so many things to do, we used to let our lives revolve around creativity, dreams and wishes of what might be possible. This becomes quite the opposite when we get older. We succumb to the stresses involved in working or in raising children, eat food for comfort rather than necessity, pay bills, and just try to survive.

For those of you that went to school more than two decades ago, you would have (1) eaten far less of processed food and (2) eaten at set times, during your scheduled breaks. We ate what we could get in the breaks we were given and didn't have the option to raid the fridge or the nearest vending machine to satisfy random food cravings. With our choices reduced, discipline was easier.

With no car and no driver's license, we were forced to use our feet as our transportation. We burned more calories and got far more fresh air than the average adult.

Socializing when we were kids could be playing with a Frisbee on the beach. These days, socializing is commonly done in a restaurant or bar with a few beers and calorie-dense food.

You can easily see why many people make the assumption that as they get older, weight gain is inevitable. It is probable yet preventable. The first step to rewinding the body is to act like a child. Move more, eat less of processed food, be disciplined as to when you eat, and enjoy life. Your energy levels will go up and you will feel alive again.

The second clue as to why we sometimes struggle to lose weight may lie with our ancestors. If we look at the lifestyle and eating habits of our prehistoric ancestors, we may better understand the constant battle we now face against our pre-programmed genetics.

For millennia, human beings have been hunters and gatherers by nature. A man's role was predominantly to impregnate a woman, thus creating children, then to provide shelter and food.

When a man puts on weight, the first place fat tissue gathers is around the abdomen. Unfortunately, this is also the last place the fat comes off too.

When we think of the prehistoric human, we might conjure up images of Spartan-like men with six-pack abs and bulging biceps. This, however, would probably not been the case. The reason is pre-programmed genetics.

Our bodies evolved in a design geared toward ensuring procreation and the continuation of human existence. Since the role of a male *Homo sapiens* was to make sure he and his dependents were fed and since food often came in the form of dangerous wild animals, the male anatomy developed some safety features. Fat gathers around the stomach region to protect vital organs and increase the chances of survival if attacked. These days, we're fortunate that don't need to hunt for our dinner.

In the case of women, whose predominant purpose once was to bear and raise children, fat tissue naturally tends gather around the hips to protect their childbearing organs. Again, for a woman, this is the first place where excess calories are stored and the last place it will come off.

Fat tissue is also one of the best forms of insulation, another reason why fat gathers around our vital organs. You will find that races of people that live in warmer climates find it far easier to keep fat off, as the body does not require it for insulation. People that live in colder climates struggle more to shift the weight as the body instinctively needs it to stay insulated.

Although we now live in a more controlled and much safer environment, these safety features are, unfortunately, already programmed into our genetics. All you need to do is look around and see the areas in which men and women generally will store their body fat.

As you can see, we are not actually designed to have six-pack abs, and you now understand why so few of us have chiselled abs. It is actually highly unnatural, hence the difficulties men and woman have with shifting fat from those protective regions.

The healthy range of body fat for men to maintain is between 12 to 18 percent. For the abdomen muscles to be noticed, the outer layers of fat need to be reduced to around 6-8 percent body fat. To go against nature, you need to understand the body so you'll know how to trick it into letting go of fat stores.

Despite the fact that we constantly battle our pre-programmed genetics, if we plan our eating habits and make exercise a part of our day, we can win the fight against fat. Fortunately these days, fresh vegetables, butchered meats and dairy are so readily available that we can pretty much consume quality foods whenever we wish.

We all know the effects of eating too much and moving too little. The result is weight gain and decreased energy.

If you were to consume 2500 calories in a day, and only burn 2000, it's not hard to see that you are going to gain weight. Your body is now carrying 500 calories more than it was able to burn off and therefore, this excess energy has to be stored. When the body stores excess energy, it will first use Carbohydrates, then fats, proteins and lastly alcohol.

10. Never eat after 8pm

According to a reputable source, namely the National Institute of Diabetes and Digestive and Kidney Diseases, eating after 8 p.m. doesn't automatically cause weight gain. What time of day you eat does not matter. What matters is what and how much you eat, as well as how much physical activity you do throughout the day; these will determine whether you gain, lose or maintain your weight. No matter when you eat, your body will store extra calories as fat.

A tip to remember if you want to have a pre-bedtime snack is to think first about how many calories you've eaten that day. You should also avoid snacking in front of the TV since you can overeat more easily when you're distracted by TV.

Although making dinner your largest meal of the day or scheduling dinner less than two to three hours before bed are not considered great ideas, having a protein shake that's easily digestible, thirty minutes before bedtime, can actually help you get the most from your sleep, by keeping your metabolism elevated while you sleep and giving your body something to process. It also reduces the time from your dinner to your breakfast, thus reducing the time your body will spend in "starvation mode." Because of the large gap in time between dinner and breakfast, the body can jump to the conclusion that it is never going to be fed again, and it starts storing body fat in case famine is around the corner.

You can have that chocolate protein shake before bed! It would also reduce the possibility that you'll head for the ice cream. Other options that you can choose as your pre-bedtime snack are low-fat cottage cheese and whey protein-based drinks. Make sure you keep the calories, carbohydrates and sugar low for any food you eat before going to bed.

Many people avoid eating after 8 p.m. because they believe that the calories somehow turn into fat after that time. The human body is amazing, and it works around the clock. It doesn't punch out whenever it's 8 p.m. and call it a day. It works to keep the heart pumping, the lungs breathing, the brain functioning, and so on.

What about people whose days are so hectic that they don't get to sit down to dinner until 8 p.m.? They might rarely get home by 5 p.m. and have dinner on the table before 6 p.m. Many people whose schedule is similarly hectic are no heavier from eating after 8 p.m. than if they had been eating their dinner at an earlier time. The fact is that the body deals with the calories as needed.

If you burn 2,000 calories during the day and you ate 1,500 of those calories after 8 p.m., you need not think you are destined to gain weight from those calories. Since calories consumed after 8 p.m. don't automatically turn into fat, how much you eat on average is what will determine whether your calorie count meets your body's energy needs. Eating more than what you need will lead to weight gain. When you eat less, weight loss will occur, and it's not related to the time of day. If you often eat higher-calorie foods like ice cream, cake, fast food, or leftovers late at night, you should not be surprised at all if you end up with more calories than needed.

11. You should eat three square meals a day. Snacking can make you put on weight

Not snacking between meals can make the body go into starvation mode. Four hours after your last meal, your body automatically shuts down and goes into starvation mode. Fats contain 9 calories per gram, so the more fat stored, the longer the body can go on without additional food.

Eating frequently maximizes leptin efficiency. Leptin is a peptide hormone produced by fat cells, and it plays a role in the regulation of body weight by acting on the hypothalamus to suppress appetite and burn fat stored in adipose tissue.

You can break the famine-feast cycle when you convince your body it's not starving. Although the idea of eating more to lose more might not sound sensible, in my experience treating overweight clients, I find that people don't eat frequently enough. Eating only three square meals a day and not snacking have been ingrained into people's minds since childhood.

The more smaller meals you consume per day, the less likely you are to be overweight. Some of my more obese patients, weighing more than 300 pounds, tell me that they only eat once a day. Lean, healthy people eat little meals all day long.

Even the American Dietetic Association (ADA) challenges the myth that snacking causes weight gain. The ADA Complete Food and Nutrition Guide would affirm that eating a snack during a long stretch between meals can take the edge off your hunger that might otherwise lead to overeating. When you eat a snack, you can be more in control of your food choices and less inclined to overeat the next time you have a meal.

Snacking need not get in the way of good nutrition. It does not have to be equated with junk food since you can choose better alternatives that truly help to fill in the gaps between meals and complete a healthful diet. If you simply choose nutrient-rich snacks that fit into your healthful eating plan, you can use snacks as a way to fill in necessary food-group gaps too.

Healthful snacking doesn't mean giving up fun food either. You can eat fun food and still follow a diet that is low in fat. It just requires a little planning. If you have one high-fat snack, you must balance it out with lower-fat choices at your other meals. Keep in mind that the more physically active you are, the greater your discretionary calorie budget.

Since snacking can expose your teeth to food and decay-inducing bacteria more often, choose snack food that's not sticky and brush your teeth afterward. Prevent plaque attacks by consuming a whole snack at one time rather than constantly nibbling on it.

Some say that certain foods make you burn calories, but this is not true. Many people try and create hype around loose claims to sound impressive. This related myth probably came from the fact that if you eat lettuce, the body burns more calories digesting the lettuce than what the lettuce contains. No "magical" foods have a significant impact on burning calories. Again, just eat clean, unprocessed foods with a combined calorie count that's less than what you expend in a given day. The fact is that you can eat snacks as long as the total calories from your snacks do not make you exceed the amount of calories you need in a day.

12. Doing ab exercises alone will give you 6 pack abs

You can do all the ab crunches in the world, but ab crunches alone will not reduce the fat that sits on top of your abs and hides the definition. You might create the best set of strong abs underneath the fat, but if you don't burn more calories than you expend, you will never see your abs.

You don't have to do tons of abdominal exercises to carve a six-pack. Instead, choose one muscle group and do a few minutes of the most effective ab exercises at the end of your workout routine and make sure that you use proper form. It is better to use proper form for five minutes of ab exercises than sloppily performing ten minutes of those same exercises. You won't get the muscle tone and definition you want from sloppy ab exercises.

Some of the most effective ab exercises to carve a six-pack are (1) the plank, (2) the side plank and (3) bicycle crunches. The plank is unbeatable for toning and strengthening your entire core. It works the six-pack muscles like no other exercise. The side plank is great for developing your oblique muscles, which give definition to the sides of your abdomen. Bicycle crunches bring it all together by working both the six-pack muscles and the oblique muscles.

If you just whip off 100 repetitions of an ab exercise without breaking a sweat, chances are you're doing the exercise too quickly or you're engaging muscles other than the abs during the exercise. It is better that you mindfully do up to 3 sets with 10 to 25 repetitions of basic crunches or ball crunches, either of which will isolate the abdominal muscles.

Another tip is not to do ab exercises every day. Abdominals, like all the other muscle groups, need a day of rest between workouts. As with strengthening any other muscle group, your last few ab exercise repetitions tend to be difficult to complete if you're doing it right.

It is always important to remember to do your ab exercises after your strength program. Ab workouts are hard work. Training your abs first could cause you to get fatigue prematurely and reduce the effectiveness of the rest of your workout.

13. Low-fat or non-fat means less calories

Often when food manufacturers reduce fat, they replace it with carbohydrates (which serve as cheap fillers) and the slow killer, sugar. The calorie range is often the same and has the same, if not a worse, impact on weight gain.

Consumers really should read the nutritional information on their food's packaging. Many people misguidedly think that a certain type of candy may be eaten in large quantities because its label says fat-free. If they actually checked the nutritional information, they would find that the amount of carbohydrates in the product is sky high.

Different people have different caloric intake needs that depend on how active they are and their current age.

Where your health is concerned, the carbohydrates you put in your body should be the natural kind, like those found in low glycemic fruits, vegetables, and whole sprouted grains, rather than packaged and overly processed food sold in groceries and even in natural food stores. If all the carbohydrates you eat come from junk food, then you would be on your way to lifelong health issues that can include diabetes, heart disease, high blood pressure, and stroke.

Fats and carbohydrates are both important as sources of calories. You might feel like you could eat a whole box of low-fat crackers. The crackers don't truly satisfy your hunger because their fat calories were replaced with carbohydrates. You could eat more and more carbohydrates that would give your body no choice but to gain more weight even though your hunger level was not abated by all those crackers.

Having to deal with such excesses can lead to considerable problems. Overloading your body with the wrong types of carbohydrates would cause your digestive processes to fail on many levels, leading to problems in other parts of your body, including the elimination systems (kidneys and other detoxification organs), the nervous system and the heart.

Fat-free eating does not insure weight loss. Fat in foods gives us a feeling of satiety and the sense that we've had enough to eat. If your meal doesn't have fat, you might keep eating until you're really stuffed with more calories than you would've had if you had just put a little olive oil in your salad. Good-quality saturated fats enhance the immune system, protect the calcium-depositing mechanism in bones, and have antimicrobial properties.