



Nutrition Plan

for George Costopoulos

Your Metabolic Balance Coach:

Jodie Studley
Staveley Place
Innaloo, Perth, 6018

Metabolic Balance is not a diet – Metabolic Balance is a tailor-made nutritional concept. Scientifically proven, personalised and simple to follow. Food items are optimally matched to the individual to regulate the metabolism and help keep it in a healthy balance. A balanced metabolism can improve blood values, quality of life, well-being and can support weight management.

Your personalized Nutrition Plan

The Original from Europe

Dear Mr Costopoulos,

Thank you for choosing to participate in the Metabolic Balance nutrition program. Metabolic Balance is a scientifically proven nutritional concept that is specific to your body and health. Its aim is to bring your metabolism back into a healthy balance and to improve your quality of life. When your metabolism has been adjusted, you can look forward to many of the health benefits that accompany the program. Metabolic Balance is not a diet, but instead is a health and well-being program as well as a way of life.

You have already taken the first step to reaching your goal by committing yourself to the Metabolic Balance program. As you go through the 4 stages of Metabolic Balance, you are likely to experience: an improved quality of life and energy levels, deeper and more restorative sleep, improved hormone balance and the ability to easily maintain a healthy weight.

Here is your individual plan that has been specially created for your body and metabolism. The plan includes a list of natural, unprocessed foods that are the most suitable for your metabolism, body and well-being.

The first 14 days in the Strict Conversion Phase with Metabolic Balance are particularly important; please do strictly follow all the recommendations in your plan. This is the only way to be sure that you are exclusively giving your body the nutrients which your body really needs. This process starts the re-adjustment of your metabolism which is the key goal and unique feature of our nutrition program. Your insulin levels have the opportunity to become optimised thereby having an ongoing positive effect on other body processes. As a result, your well-being and overall weight can be reset without the yo-yo effect!

These early 14 days are also extremely important in allowing your body a chance to adapt to its new lifestyle. It is a chance to let go of any unhealthy habits or attitudes towards food and replace them with healthier ones. You will learn to become familiar with your body's inner hunger signals and will be able to identify the foods your body really needs.

Please do always stay mindful as to what's in your best interests at all times. We have given you a great starting point with your personalised plan, and we want you to follow your plan as closely as possible. But keep in regular contact with your coach and remember that together with your coach you can adjust and tweak all aspects of the plan to ensure that it really suits you! Your health, your energy requirements and your lifestyle are unique, and it's exciting to think of the potential that your health has for the future days, weeks, months and years ahead!

Please remember that a Metabolic Balance nutrition plan is designed as a personalised guide to help you eat well. It is not a replacement for professional medical advice. Always follow the guidance of your medical provider regarding your health and any prescribed medications.

Your personalized Nutrition Plan in four Phases

Above all, stay consistent to looking after yourself and eating well for your best health. After just two weeks you will already be able to look back proudly at all that you have achieved. You'll then be able to continue your health journey and move forward naturally to be well and metabolically balanced. With your increased knowledge of nutrition, coupled with your own personal experience, your health is likely to take on a whole new meaning. We would like to wish you every success on your nutritional adventure!

Your Metabolic Balance team

Important Note:

Try to spend a few minutes outside, several times during the day, to refresh your mind and body. Correct breathing supports detoxification. Therefore consciously aim to take deep breaths several times a day.

Your Metabolic Balance Coach:

Jodie Studley
Staveley Place
Innaloo, Perth, 6018

Your personalized Nutrition Plan in four Phases

App Confirmation Code / Check that your Nutrition Plan is genuine



On your journey to your new, healthy life, you deserve the best possible advice and support, the handy app provides your nutrition plan on the tip of your hand. With the confirmation code below, not only can you activate the Metabolic Balance app, but also check your plan for authenticity.

Internet address:	https://www.metabolic-balance.com/en/plancheck
First name:	George
Surname:	Costopoulos
Check code:	51C3E654-0F61



A metabolic program in 4 phases

Metabolic Balance

With the Metabolic Balance program you will gently adjust your diet to meet the true requirements of your body. The program is divided into four phases, in which you will move towards your goal in stages. During the first 14 days of Phase 2, the guidelines are very precise and it is therefore important that you choose an appropriate time to begin your plan. Later in the program, the rules and guidelines are gradually relaxed, so that as you progress into Phase 3, you will have more freedom when selecting your foods. Your coach will be happy to advise you and offer support. Over time the rules and guidelines of the Metabolic Balance program will become second nature to you and you will automatically select the foods that are best for your body. After this, your nutrition plan will begin to act only as a guideline. The 4 phases are:

Phase 1	Preparation Phase
Goal	Relaxing the metabolism, preparation for the nutritional conversion, avoidance of binge eating.
Start	Individually selected, appropriate time as agreed with your coach.
Duration	Two Days
This is new	Light food, thorough digestive cleanse

Phase 2	Strict Conversion Phase
Goal	Body changes using optimised nutrition, allows for improved metabolic regulation and an increased ability to achieve the desired weight with noticeable health improvements
Start	Following on from the Preparation Phase
Duration	A minimum of 14 days
This is new	The 8 Metabolic Balance rules and your individual food list. No strenuous exercise in the first 14 days.

A metabolic program in 4 phases

Phase 3	Relaxed Conversion Phase
Goal	Stabilisation of your metabolism, maintenance of your improved well-being or weight, gradual relaxation of the rules and guidelines, more freedom with your food choice.
Start	Earliest is after 14 days in Phase 2 after consulting with your coach
Duration	Several weeks until your improved metabolism has stabilized.
This is new	The expansion of the food list, the testing of alternative foods and other quantities outside the plan ("trial and error"), the possibility of "treat meals" (deviation meals)

Phase 4	Maintenance Phase
Goal	Normal everyday life, following the 8 Rules, long-lasting regulation of your metabolism, health and well-being.
Start	Following on from Phase 3, after consulting with your coach
Duration	Indefinitely
This is new	Further freedom from the guidelines of the plan

Important note specifically for this case:

Please look after your personal plan. Metabolic Balance is only able to store data for 2 years, in accordance with current data protection regulations. Therefore, if you lose your plan, you should talk directly to your coach to try and obtain another copy. Please note; however, that your coach must also take data protection requirements into consideration for the country they work in.

Phase 1: Preparation Phase

Metabolic Balance - The individual Phases

During the 2-day Preparation Phase your body is gently prepared for the nutritional transformation. In order not to develop any cravings later, a thorough digestive cleanse is necessary. During those first two days of the Metabolic Balance program only light food is suggested, so your body is primed for the nutritional adjustment.

IMPORTANT:



On the first day of the Preparation Phase, we recommend a thorough cleansing of the gut. Your coach can suggest a suitable product or even a more gentle method (e.g. magnesium citrate, psyllium husk), enema or colon hydrotherapy.

Valid for both days of the Preparation Phase:



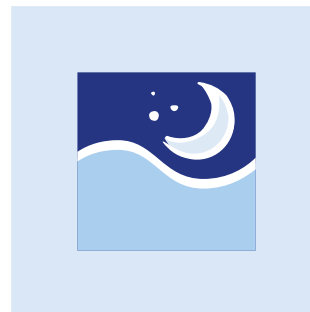
In the morning

half the amount of your normal breakfast, for example only a one-egg vegetable omelette (w/o cheese) instead of two-egg omelette. Please do not have coffee/tea/fruit juices etc. Only water.



At lunchtime

vegetable soup (500 g of vegetables (fresh or frozen), mashed or in chunks – no pre-made/instant soup, no stock), you may use salt and pepper. 1 apple



In the evening

Up to 500g / 1.1 lb (raw weight) of cooked, steamed or raw vegetables or salad, seasoned with herbs. Avoid blends of herbs/spices and other ingredients such as oil, vinegar or other dressings.

Phase 1: Preparation Phase

As an alternative you can eat only one food item all day long, for example potatoes, vegetables or rice.

You can enjoy the vegetables raw, steamed or cooked, or even drink puréed in a smoothie. Please cook rice and potatoes in plain water. You may use spices, but no butter or oil. Unsweetened apple sauce goes well with the rice (2 TBsp per serving, w/o sugar or flavoring).

You do not need to eat the full portion if you are satisfied with a smaller amount than stated below (applies only in Phase 1).

All measurements refer to the raw weight.



Vegetable Day

Up to 1.5 kg of vegetables, divided into 3 meals



Potato Day

Up to 1.5 kg / 3.3 lbs of potatoes, divided into 3 meals



Rice Day

200g (uncooked weight) whole grain rice, divided into 3 meals

The 8 Rules Metabolic Balance



1 Eat exactly three meals a day. During the Strict Conversion Phase you must follow the plan to the letter: do not eat more, do not eat less and do not eat anything other than what is included in your personal food list.



2 After each meal, take a break of at least five hours before beginning your next meal.



3 Do not allow any single meal to last longer than 60 minutes.



4 Begin each meal with one or two bites of your protein portion.



5 Eat only one type of protein per meal. For each of your three meals choose a protein from a different protein group, so that you are eating three different protein groups every day.



6 If possible, don't eat after 9 pm.



7 Over the course of the day, drink at least the amount of water calculated for you. (Rule of thumb: in general 35 ml of water per kg of body weight.)



8 Eat an apple every day with a meal or as a dessert.

Phase 2: Strict Conversion Phase

Metabolic Balance - The individual Phases

Welcome to Phase 2, the Strict Conversion Phase, You stay in Phase 2, until you have reached your goal or for a minimum of 14 days. When you have lost 20 kg at one stretch of time, you will enter Phase 3 for one month, and then return to Phase 2.

From the beginning of Phase 2 the 8 Rules apply. Please be very particular in the first 14 days and use only items from your personal food list in the amounts indicated. Please do not cook with any oil or fats during the first two weeks. To prepare your meals use non-stick pans, aluminum foil, clay or steam pots or even a contact grill. Use just plain water or a vegetable broth without sugar or other additives to simmer your food.

IMPORTANT:

If you stay longer in the Strict Conversion Phase, after 14 days please add healthy, cold-pressed oils to supplement your meals. We recommend at least three table-spoons of healthy oil per day in the form of a balanced 'blend' of omega-3 and omega-6 fatty acids. Alternatively, you may use a good quality cold-pressed flax or linseed oil which is high in omega-3 fatty acids. Your coach can recommend healthy oils to you.

From now on your meal plan will act as a framework in which you can include foods from your personal food list. To maintain variety in your diet, and to ensure that you are receiving all the nutrients your body requires, it is important to include as many different foods as possible from your personal food list. Please also take note of the Additional Information which is given after your food list. You will also find recipe suggestions and ideas to help you with the first 3 days of the Strict Phase. In addition, your coach will be able to provide you with recipes that comply with the Metabolic Balance principles.

Usually you would follow your plan's suggestions for breakfast, lunch and dinner. In the strict phase, please follow your breakfast suggestions exactly as they are. It's important to note that eggs may only be eaten for breakfast if they are suggested as a breakfast for you.

You may; however, swap your lunch and dinner suggestions. If you do this you must remember that different quantities will now apply. When lunch is swapped for dinner, please add 10 grams more to both the protein and the vegetables/salad. If you choose to swap your dinner suggestion for lunch, you must decrease the amount by 10g. For example, if there is currently 115 g of fish for lunch and 80 g cheese for dinner, you would instead eat 70 g of cheese for lunch and 125 g of fish for dinner. Please also remember that you need to add or subtract 10g to the amount of vegetables or salad.

During Phase 2, your metabolism will adapt to it's optimal nutrition, allowing you to mentally adjust to your new way of life. It is important to focus on yourself during this time whilst becoming aware of your body's natural signals. Try to be aware of any changes you experience during this time and enjoy the feeling that you are replacing old and unhealthy food habits for newer, healthier ones. Always keep in regular contact with your coach and

Phase 2: Strict Conversion Phase

remember that together with your coach you can adjust and tweak all aspects of the plan to ensure that it really suits you.

We hope that during this time you will be able to embrace your new lifestyle. Learning to eat mindfully and eating the foods that are best suited to your body can take time and perseverance. Although there are a few limitations, Metabolic Balance focuses on the abundance of foods you can choose rather than focusing on any restrictions. On account of Metabolic Balance you might even discover new foods or alternative cooking methods that you haven't tried before. Not only will you be enjoying new and exciting foods; but you will also notice that you remain comfortably full between your meals.

Please note that physical or emotional stress can also have a negative impact on your health and your willpower. You can replace physical activity during this time by spending more time on yourself and allowing yourself time to relax. This will help to give your body the rest it needs to reset!

To avoid becoming distracted from your goal, it might be necessary to avoid tempting situations, such as family gatherings or certain invitations during the 14 day Strict Phase. Preferably of course you could look at these events in a different way and work out how you can say yes but do them in a way that suits you best and allows you to stick to your plan and goals. In addition, it might be necessary to pay attention to the people with whom you surround yourself. Are you receiving support from your family and friends or do you feel that someone is trying to "meddle" with your success? Learning to look after ourselves is a lifelong benefit and is worth every effort you make. Self care is vital for everyone!

After the first two weeks on the Strict Adjustment Phase, you can now begin to add exercise into your plan. Incorporate physical activity into your daily routine in order to get your metabolism going and to enjoy your new-found energy. If you remain on the Strict Adjustment Phase for more than 14 days, consult with your coach to find out the best ways for you to successfully incorporate exercise into your Metabolic Balance plan.

Keeping a personal diary can help you to keep track of any improvements. This can be done in addition to the plan's progress report, where you record all your physical and mental results. You might find it helpful to make notes every day while reflecting upon the following two questions: What was important today? What went well today? Don't forget to praise yourself regularly for both your success and your effort. No matter how small, each small positive change is a big success.

After you have completed at least 14 days but preferably 28 days on the strict adaptation phase, you can enjoy a 'treat' meal once a week. You should always talk to your coach about when is the right time for you to introduce "treat meals". They will also talk you through the guidelines for how best to enjoy them. Enjoying the occasional indulgence is actually good for you as it helps to curb cravings, which could in turn jeopardise your plan. If you feel in the mood for a piece of dark chocolate or even something more substantial, you should eat it mindfully and really enjoy it! If there is an occasion such as a holiday or a family event, there

Phase 2: Strict Conversion Phase

is nothing wrong with enjoying a 'treat meal' providing that you have successfully completed the Strict Phase 2.

Enjoy your new eating habits:

Slow, enjoyable, deliberate. You will be surprised how effectively your Metabolic Balance plan supports your goals and strengthens your will to succeed!

Phase 2: Strict Conversion Phase

Meal Plan for George Costopoulos

Suggestion 1

Breakfast

220 ml Milk Products
60 g Starch
Fruit

 5h

Lunch

95 g Pulses
150 g Vegetable
Fruit
Bread

 5h

Dinner

160 g Fish
160 g Vegetable
Bread

Suggestion 2

Breakfast

105 g Poultry
105 g Vegetable
Fruit
Bread

 5h

Lunch

150 g Meat
150 g Vegetable
Fruit
Bread

 5h

Dinner

115 g Cheese
160 g Vegetable
Bread

Suggestion 3

Breakfast

220 g Yogurt
Fruit

 5h

Lunch

150 g Fish
150 g Salad
Fruit
Bread

 5h

Dinner

2 Eggs
160 g Vegetable
Bread

Finish last meal by 9 pm at the latest.

Phase 2: Strict Conversion Phase

Individual Food List - Protein for George Costopoulos

	Fish	Barramundi, Basa, Blue-eyed trevalla, Flounder, Flounder, Gemfish, Hake, Herring, John Dory, King George Whiting, Orange roughy, Salmon, Trout
	Milk Products	Goat Milk
	Yogurt	Goat Milk Yogurt, Sheep Yogurt
	Meat	Beef Loin, Goat, Kangaroo, Lamb Fillet, Mutton, Pork Loin, Roast Beef, Veal, Venison
	Poultry	Chicken Breast, Pheasant
	Cheese	Goat Cream Cheese (Chèvre), Sheep's Cream Cheese
	Pulses	Black (Beluga) Lentils, Black Eyed Beans, Borlotti Beans, Chickpeas, Kidney Beans, Mung Beans, Red Lentils, White Beans (Cannellini; Butter; Haricot; Navy), Yellow Lentils
	Eggs	Eat a minimum of 1 eggs and a maximum of 2 eggs per week.

Phase 2: Strict Conversion Phase

Personal Food List - Carbohydrates for George Costopoulos

	Vegetable	Avocado, Bok Choy, Broccoli, Carrots, Cauliflower, Celeriac, Chicory (Belgium Endive), Daikon/ White Radish, Eggplant, Fennel bulb, Green Beans, Green Cabbage, Horseradish, Kohlrabi (Cabbage Turnip), Leek, Okra, Pepperoncinis, Porcini mushrooms, Pumpkin, Radish, Savoy Cabbage, Silverbeet, Spinach, Swede, Turnip, Watercress, White & brown mushrooms, Zucchini Please eat avocado no more than three times a week.
	Salad	Frisee, Iceberg Lettuce, Lollo Rosso Lettuce, Mache Rosettes, Red Oak Leaf Lettuce, Rocket, Romaine Lettuce Please eat rocket salad no more than twice a week.
	Starch	Porridge Oats, Rye flakes When eating oats for breakfast, please omit the whole grain rye bread or crispbread with this meal.
	Bread	Crispy Rye Bread, Wholegrain Rye Bread
	Fruit	Apple (1), Mango (170 g), Papaya (180 g)

Phase 2: Strict Conversion Phase

Additional Information about the Nutrition Plan for George Costopoulos

	Water	We recommend that you drink 3 $\frac{3}{4}$ litres of water, which has been calculated individually for you. This supports the excretion of break-down products and thereby speeds up metabolic adjustment.
	Eggs	Eat a minimum of 1 eggs and a maximum of 2 eggs per week. You can prepare the eggs to your liking, for example, scrambled, fried, omelet, boiled or poached.
	Mandelade	You may also exchange one of your breakfast choices for the delicious Mandelade. Mandelade stems from two German words, where Mandel = Almonds and Mandelade = Almond mix. This breakfast can be enjoyed even if you do not have seeds or nuts on your plan. Mandelade is easy to prepare. Take 40 g of almonds and 30 g of sunflower seeds. Soak the almonds and seeds overnight. The following morning chop or puree. Mix in with one chopped or grated apple and flavour the Mandelade with cinnamon or mint. Enjoy!
	Vegetables	We suggest that you enjoy your vegetables al dente (firm to the bite) or raw (depending on the kind of vegetable you are using). You may also use additive-free frozen vegetables. You are welcome to combine different vegetables and even swap vegetables for salad depending on your personal preference and the seasonal availability.
	Herbs and Spices	Use fresh or pure dried herbs, fresh garlic, chilli, ginger, black pepper, turmeric, cinnamon, mustard and pure curry powders in moderate quantities to flavour your meals. Use one tablespoon of pure apple cider vinegar or balsamic vinegar for salad dressing, but no oil.
	Bread	Do not to exceed your limit of 5 serves of rye bread per day. A serve of whole-grain sourdough rye bread (25 g) equates nutritionally to a serve of rye crispbread (10 g). Do ensure you choose 100% rye flour bread. If you like, you can alternate both types of bread. Bread is however optional and you do not need to eat bread if you don't want to.
	Fruits	Eat a medium-sized, tart apple every day. In addition to your apple, you may eat one additional fruit daily from your fruit list where fruit is indicated on your meal plan. Only one type and serving of fruit may be eaten per meal and fruit should be enjoyed within your meal hour. If possible, please choose older varieties of apples such as Granny Smith, Jonathan or Gold/Red Delicious. If the fruits in your personal food list are currently not available fresh, you can buy them frozen. Do not use canned fruit!

Phase 2: Strict Conversion Phase

	Coffee and Tea	You may treat yourself to up to three normal-sized cups of coffee and / or up to three cups of black, green, white or rooibos tea daily. Please drink tea or coffee only at mealtimes and avoid adding any milk, sugar or artificial sweeteners. We do not recommend drinking flavoured teas or coffees.
	Alcohol, Soft Drinks and Fruit Juices	In the Strict Adjustment Phase: alcohol, soft drinks, and fruit juices are not allowed.
	Vitamins	Please be aware that your body may have increased nutrient requirements during it's nutritional adjustment. Since vitamins are lost during cooking, it is useful not to cook all of your fruits and vegetables. If possible, eat some fruit and vegetables raw or lightly steamed. Please consult with your coach as to whether a multivitamin and / or mineral supplement is advisable for you.

Personal recommendation based on your individual profile:

- We recommend you take a good acid-alkaline-balance support during the first 14 days. Please discuss with your practitioner the best option for you.

Please consider:

Remember, this meal plan has been created exclusively for you based on your personal information and your lab values. Other individuals will most likely not achieve the desired effects when using this plan and, at worst, a deterioration of their health could occur because your plan may lack essential food items suitable for them. A random weight gain or loss may occur for such individuals using your plan: a targeted and optimized metabolism regulation can only be achieved through individualized lab-based nutrition plans.

Phase 2: Strict Conversion Phase

Shopping Helper Phase 2 for George Costopoulos

Breakfast	Breakfast	Breakfast
220 ml Milk Products, 60 g Starch, Fruit	105 g Poultry, 105 g Vegetable, Fruit, Bread	220 g Yogurt, Fruit
Lunch	Lunch	Lunch
95 g Pulses, 150 g Vegetable, Fruit, Bread	150 g Meat, 150 g Vegetable, Fruit, Bread	150 g Fish, 150 g Salad, Fruit, Bread
Dinner	Dinner	Dinner
160 g Fish, 160 g Vegetable, Bread	115 g Cheese, 160 g Vegetable, Bread	2 Eggs, 160 g Vegetable, Bread

Fish	Barramundi, Basa, Blue-eyed trevalla, Flounder, Flounder, Gemfish, Hake, Herring, John Dory, King George Whiting, Orange roughy, Salmon, Trout
Milk Products	Goat Milk
Yogurt	Goat Milk Yogurt, Sheep Yogurt
Meat	Beef Loin, Goat, Kangaroo, Lamb Fillet, Mutton, Pork Loin, Roast Beef, Veal, Venison
Poultry	Chicken Breast, Pheasant
Cheese	Goat Cream Cheese (Chèvre), Sheep's Cream Cheese
Pulses	Black (Beluga) Lentils, Black Eyed Beans, Borlotti Beans, Chickpeas, Kidney Beans, Mung Beans, Red Lentils, White Beans (Cannellini; Butter; Haricot; Navy), Yellow Lentils
Eggs	Eat a minimum of 1 eggs and a maximum of 2 eggs per week.
Vegetable	Avocado, Bok Choy, Broccoli, Carrots, Cauliflower, Celeriac, Chicory (Belgium Endive), Daikon/ White Radish, Eggplant, Fennel bulb, Green Beans, Green Cabbage, Horseradish, Kohlrabi (Cabbage Turnip), Leek, Okra, Pepperoncinis, Porcini mushrooms, Pumpkin, Radish, Savoy Cabbage, Silverbeet, Spinach, Swede, Turnip, Watercress, White & brown mushrooms, Zucchini
Salad	Frisee, Iceberg Lettuce, Lollo Rosso Lettuce, Mache Rosettes, Red Oak Leaf Lettuce, Rocket, Romaine Lettuce
Starch	Porridge Oats, Rye flakes
Bread	Crispy Rye Bread, Wholegrain Rye Bread
Fruit	Apple (1), Mango (170 g), Papaya (180 g)

Phase 2: Strict Conversion Phase

Expert tips for everyday life! Metabolic Balance in day-to-day life

- The amounts given in the meal plan indicate the raw weight of the food. If you are using cooked legumes or lentils, or those drained from a can, please double the amount stated. If using frozen fruits and vegetables use the same amount as fresh. Frozen meat, poultry or fish should be thawed before weighing. If you are weighing frozen meat, poultry or fish, add 25 g to the weight to compensate for the water lost during thawing and ensure you thaw fully before cooking.
- The daily examples on your plan are only suggestions. You can, of course, prepare all meals to your liking as long as you follow the 8 rules.
- Since you are drinking a lot of water, you should also add salt in normal quantities to supply your body with valuable minerals. Please only use unrefined salt without additives, for example: sea-, himalayan- or rock salt.
- In order to add more flavour and variety to your dishes, you can exchange the vegetables/salad ingredients that are given in your recipes. For example, you may substitute 10 g onions for 10 g spinach in a recipe providing they are included on your personal food list.
- You may use fresh or dried herbs and spices (additive- and sugar-free) in moderate amounts to add flavour to your food. Remember that the appearance of your food also affects the taste. Setting the table and making your food look appealing are all part of the eating process.
- Do you have a favourite restaurant? If so, talk to the chef about how (s)he can help you to stick to your food plan when you eat there.
- With Metabolic Balance your daily routine can still remain flexible and stress-free by preparing meals at home and taking them with you. It's easy to prepare a delicious breakfast or lunch in the evening in preparation for the following day.

IMPORTANT:

Remember, this meal plan has been created exclusively for you based on your personal information and your lab values. Other individuals will most likely not achieve the desired effects when using this plan and, at worst, a deterioration of their health could occur because your plan does not include food items suitable for them.

Phase 2: Strict Conversion Phase

The basic principles behind the 8 Rules Metabolic Balance



Eat exactly three meals a day, each lasting a maximum of one hour. After the end of a meal and before the beginning of the next meal, you should take a break of at least five hours (maximum seven). Ideally, extend the overnight break between your evening meal and breakfast the next day to 14 hours (twice weekly). During the five-hour breaks between meals and especially during the night, insulin falls to very low levels. This enables fat to be burned easily. When you have five or six smaller meals, or when you snack between meals, the insulin level remains constantly high which means your body will make more fat rather than build muscle tissue! Also, continually high insulin levels block the production of many hormones that protect the body from inflammation and ageing!



Begin each meal with one or two bites of your protein portion to steadily regulate your insulin level. When the stomach receives one or two bites of protein first, the pancreas produces the hormone glucagon, to help digest the protein. This hormone is the antagonist of insulin and blocks insulin production. The result is a lower initial insulin release which supports fat burning, blocks fat synthesis, and prevents the dreaded attacks of ravenous appetite. In your meal plan and the daily examples you will find the protein (e.g. pulses, fish or cheese) listed first so it's easy to work out what is the protein in your meal.

Phase 2: Strict Conversion Phase

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Eat only one type of protein per meal. For each of your three meals choose a protein from a different protein group so that you are eating three different protein groups every day.

In the digestive tract our bodies use enzymes to break down the ingested proteins into individual amino acids. These are absorbed through the intestinal wall, where they are reassembled into human proteins. The critical factor for our metabolism is not determined by the overall quantity of proteins consumed, but rather by the spectrum of amino acids they contain. The eight essential amino acids are particularly important as they cannot be synthesised by the body and therefore need to be ingested as food. The more a protein resembles human proteins, the higher its biological value. This means; how much of a food protein can be converted into human protein. The usefulness of a protein is actually decided by the amino acid which is present in the smallest quantity. When different protein foods are combined, the Biological Value is determined by the amino acid whose overall proportion is lowest. Above this level, all other unused amino acids will become waste products in the body which can lead to increased acidity. The ideal amino acid ratio is found in egg yolk, in which 100% of the eight essential amino acids can be converted into human protein. Therefore, egg yolk has a Biological Value of 100. In contrast, milk contains only 91% of the essential amino acid threonine. This means that only 91% of the other 7 essential amino acids can also be used, giving milk a Biological Value of 91. Combining proteins is therefore not recommended as this can actually lower their overall Biological Value.

Metabolic Balance uses primarily proteins with a high biological value (above 70) and recommends eating only one type of protein at each meal. Otherwise, it is possible that the biological value will be reduced, resulting in over-acidification of the body.

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If you drink less than the amount of water stipulated in your individual plan (the rule of thumb is a minimum of 35 ml of water per kilogram of body weight), then you will lose weight more slowly. Water cleanses the body and helps wash out the residues and toxins

Phase 2: Strict Conversion Phase

resulting from tissue breakdown. If you drink too little, these substances remain in the body.

It is best to drink water before you feel thirsty and to divide the beverages throughout the day. Particularly suitable is water that is not carbonated. Coffee and black tea, green tea, white tea, or rooibos tea is only permitted with meals.



An old proverb says: "An apple a day keeps the doctor away." No other fruit can compare to the vitamins and minerals in the cholesterol and uric acid lowering apple! In addition, apples provide the body with valuable fibre, since they are high in pectin and cellulose content. Apples are important for the speedier excretion of harmful metabolic waste products. Old apple varieties are especially rich in polyphenols, which actively counteract free radicals. Moreover, fruit in general provides the body with many important minerals, dietary fibre, vitamins, and trace elements. Finally, fruits are simply a pleasure to eat.

Daily Progress Report

Sheet 1: For monitoring daily progress during the first 14 days of the Strict Adjustment Phase.
If possible, please record your progress daily during the first 14 days of the Strict Conversion Phase. This is beneficial to document changes and to discuss issues and progress with your coach. Preferably measure and enter the values before breakfast.

Days	Start	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Weight in kg	108														
Blood Pressure ****															
Blood Glucose ****															
Pulse ****															
Water intake (litres)															
General Well-Being															
Fatigue															
Sleep															
Headache															
Joint Pain															
Acid Reflux															
Digestion															
Allergy / Allergies															
Skin															

When evaluating your progress, use a scale of 1 to 5. For example, a 1 stands for no fatigue and a 5 stands for extreme fatigue. Use the smileys for guidance, and if you are uncertain, ask your coach for assistance.

😊 = 1 😊 = 2 😊 = 3 😊 = 4 😊 = 5

Phase 2: Strict Conversion Phase

Weekly Progress Report

Sheet 2: For the weekly check-up																	
Record your symptoms once a week after the first 14 days in the Strict Conversion Phase.																	
Week	Start	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
WtHR*	0.72																
BMI**	37																
Weight in kg	108																
Body Fat in %																	
Waist in cm ***	123																
Hips in cm	121																
Upper Thigh in cm	68																
Blood Pressure ****																	
Blood Glucose ****																	
Pulse ****																	
Water intake (litres)																	
General Well-Being																	
Fatigue																	
Sleep																	
Headache																	
Joint Pain																	
Acid Reflux																	
Digestion																	
Allergy / Allergies																	
Skin																	

When evaluating your progress, use a scale of 1 to 5. For example, a 1 stands for no fatigue and a 5 stands for extreme fatigue. Use the smileys for guidance.

😊 = 1 😊 = 2 😊 = 3 😊 = 4 😊 = 5

*) Waist to Height Ratio (WtHR): waist circumference in cm (inches) / height in cm (inches)

**) Body Mass Index (BMI): weight in kg / (height in meter)²

***) Waist circumference is measured at navel height

****)

Treat Meals

Metabolic Balance

You should mindfully enjoy a treat meal from time to time. Especially when celebrating a special event like a family reunion: eat what you want – and don't feel guilty!

Make sure to listen to the signals and reactions of your body and ensure to adhere to the 8 Treat Meal Guidelines (see next page) to enjoy this delicious meal.

Pay attention to your body's revitalized signals, your intensified sense of smell and taste, your real feeling of fullness, or simply your dislike of former favorite foods. Although you might have dreamt of enjoying your favourite foods again, your tastes will have changed and you might find that you no longer enjoy those foods as before. Please take your body's messages seriously, and have the courage to stop eating! Your well being is the most important thing.

If you feel confused with the changes that have occurred or if you simply want to discuss how you feel – just contact your coach.



The 8 Guidelines for Treat Meals Metabolic Balance

Tip 1:

You may enjoy a treat meal once a week. As always start your treat meal with a little protein.

Tip 2:

Drink extra water before and after a treat meal.

Tip 3:

If the meal lasts longer than one hour, please take a break of at least 15 minutes between courses, during which you may only drink water. Then continue your meal again with a bite of protein.

Tip 4:

If you are eating out, take a few nuts or some cheese with you - so that you can have a protein portion 'on-the-go'.

Tip 5:

For the remaining two meals that day, omit fruit and additional starchy products, like bread or rice. However please do ensure that you still enjoy your apple either during your treat meal or during one of your other meals that day.

Tip 6:

Avoid rich, heavy sauces and carbohydrate-rich side dishes.

Tip 7:

If you enjoy chocolate; always opt for a minimum of 70 % cocoa content, eat only a small amount and really savour the taste.

Tip 8:

Limit your consumption of alcoholic drinks and remember to drink plenty of water alongside any alcohol.