

FOOD AND SUGAR INFLAMMATION PROFILE WITH GENETIC COMPONENT, TELOMERES MEASUREMENT AND BIOLOGICAL AGE EVALUATION

MEDICAL REPORT



- ♂ John Smith, 72 years
- **♀** GEK Lab





Telomere length: 6.05Kb











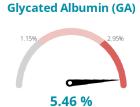
BAFF

0.32



3.97











The genetic predisposition related to the development of type 2 diabetes is present





The genetic predisposition related to the development of overweight and obesity is present

GENE: PNPLA3



The genetic predisposition related to the development of hepatic steatosis is present

TNFSF13B GENE



Absence of a genetic predisposition to the development of higher BAFF levels

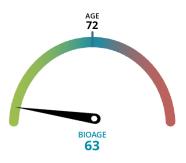




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Telomere length 6.05 Kb

Note: Average telomere length of the leukocyte population (LTL) expressed in kilobases (Kb). The estimation of telomere length in Kb was performed according to the methods of O'Callaghan^(B24) and Calado^(B25).

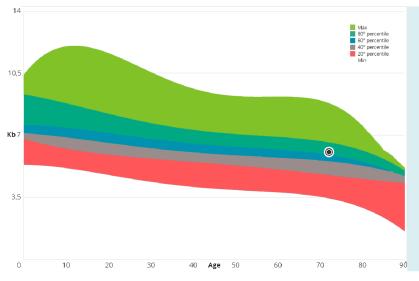
The LTL is a true indicator of a person's BioAge. The longer the telomeres remain, the younger our cells are, ensuring us a better health status. Regardless of chronological age, the speed of telomere shortening is a partially modifiable factor that strictly depends on a person's lifestyle. The test result captures the effects of your past and recent lifestyle.

The result indicates that the average length of your telomeres is much higher than that of the reference population of your age. Your BioAge appears to be lower than your chronological age.

It is important to maintain the correct dietary habits and healthy lifestyle which contribute in keeping you "younger". The presence of longer-than-average telomeres, corresponding to a lower BioAge, is also to be interpreted as an important potentiality of your body, received as family inheritance or acquired through the lifestyle you maintained up to now.

However, it is important to monitor any changes and the speed of telomere shortening over the time. Periodically repeating this test (for example after 18-24 months) allows you to keep track of any changes that may have occurred and detect any anomalies that deserve correction.

In the event of particular pathologies in progress, it is advisable to refer to your trusted doctor for a more precise check.



Distribution graph

The graph represents the distribution of the mean telomeric length values of the reference population. The reference database was created by GEK and is constantly updated and expanded in order to provide increasingly precise information. Each band represents 20 percentiles and pinpoint indicates your position. Bands above the center line indicate a higher than average telomere length compared to the reference population.





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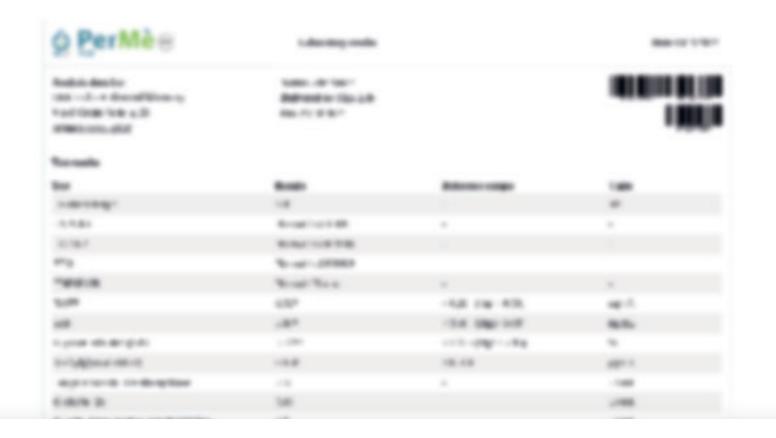


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GENIC COMPONENT

TNFSF13B GENE



We have analysed from your DNA one particular gene of chromosome 13 (TNFSF13B) related to BAFF's production. The results showed that: the gene corresponds to the most frequent variant present in the population (BAFF-wt)*

(*) The gene variant TNFSF13B BAFF-var was examined with the Custom TaqMan SNP Genotyping test (Assay ID: ANZTJ7R) (Applied Biosystems, California, USA) performed with Real-Time PCR Rotor-Gene Q (Qiagen, Germany). The allelic discrimination analysis was carried out with the Rotor-Gene Q Series Software 2.1.0 (Qiagen, Germania).

Absence of a genetic predisposition to the development of higher BAFF levels

The analysis of your DNA did not detect the presence of the specific variant in the gene encoding BAFF. This is certainly a favourable result that, in case of high levels of this cytokine, indicates that the control of lifestyle, including nutrition, physical activity and personalized integration, can effectively modulate these levels.

BAFF production depends on the immunological response to external stimuli as well as endogenous ones. Among these, as explained by Lied^(F3), nutrition has a primary role, and repeated contact with the same foods contributes to keeping high levels of the inflammatory cytokine. BAFF is involved in most of the body's defensive processes and is strongly implicated in the regulation of antibodies production. An unjustified increase in BAFF can lead, for example, to the excessive synthesis of autoantibodies, favouring the development of autoimmune diseases. BAFF itself can play a role in many of the most common and frequent diseases and disorders, involving the skin, joints, muscles, endocrine system, and metabolism.

Controlling the increase of BAFF is a reliable clinical significant tool for the proper and effective prevention of these diseases. Therefore the levels of BAFF measured and currently present in your organism depend mostly on environmental factors and your diet has a decisive role. BAFF rises when food or groups of immunologically similar foods are consumed in excess or repeated over time^(F1-F3). The suggested dietary approach will, therefore, allow modulating inflammatory responses and the correlated BAFF levels.



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DIAGNOSIS OF FOOD PROFILE

The Great Food Groups

The IgG values have indicated an excessive or repeated use of the foods present in the groups of:

Wheat and Gluten



Yeast



ALLERGIES (IgE)

The antibodies evaluated in this test are Immunoglobulins G, whose level can decrease to almost zero when a food has not been consumed in a long time. Anyone who has experienced IgE-mediated allergies to certain foods, or who has had anaphylactic reactions after eating certain foods, should NOT include them in their dietary plan (even if indicated in the report), except in the case of direct medical supervision.



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THE FOOD GROUPS



INCLUDED IN











The content of this archive is the result of revisions and adjustments that, over the years, have led us to consider more broadly the range of foods that must be controlled when there is a food-related inflammation caused by this Great Group.

The diet is not limited to foods that effectively contain yeast, but to all those products that have undergone any type of fermentation, even if no brewer's yeast, natural yets or chemical leavening agents have been added.

It is important to read this sheet carefully because yeast, unlike milk or wheat, is not always found on the product labels. All fermented foods are considered part of this group, as well as those with an effective presence of yeast.

In other words, you will not find "yeast" in the list of yoghurt, tea or honey ingredients; but they are considered part of the Yeasts and Fermented Products group.

All industrial food products containing "fermentation agents" in the list of ingredients should also be constrained. Bicarbonate, cream of tartar and other chemical leavening agents must be avoided during diet days too.

ATTENTION TO MASTICATION

Chew the food as much as possible before swallowing it. The pieces of food that have not been masticated enough will inevitably stay longer in the stomach, leading to a fermentation process. Avoiding bread in order to stay away from fermented products is equally important as not allowing food to ferment in the stomach because of poor chewing. You can help yourself by remembering to "put down your fork" after each bite; in order to be conscious of putting food in your mouth, an act that most of the time is done without thinking, instinctively and in a rush. Finish chewing a bite before getting the next one. It is a simple change, but with great repercussions for those people who find it hard to eat more slowly.



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ROTATION DIET

The rotation diet

You can begin your new nutritional approach with the understanding that, as with infant weaning, over the course of a few months, food-related inflammation will be under control with a marked improvement in your overall health and well-being.



Diet meals

Conform your meals with foods from the always allowed food list.



Free meals

Incorporate all the foods that you usually eat, including also those on the list of food to avoid during the diet meals.

Standard rotation: the first 8 weeks

The initial nutritional scheme must be applied every day, except for a midweek day (generally Wednesday) and 4-weekend meals (usually Saturday's dinner and all Sunday).

	mon	tue	wed	thu	fri	sat	sun
Breakfast	0	0	Ü	0	0	0	Ü
Lunch		0	Ü	0	0	0	ü
Dinner		0	Ü	0	0	ü	ü

Standard rotation: the following 8 weeks

Follow-up rotation diet.

	mon	tue	wed	thu	fri	sat	sun
Breakfast	0	0	Ü	0	0	ü	Ü
Lunch			ü	0	0	Ü	ü
Dinner		\ddot{c}	ü			ü	\ddot{c}

Maintenance

	mon	tue	wed	thu	fri	sat	sun
Breakfast	Ü	0	ü	ü	0	Ü	ü
Lunch	Ü	0	ü	ü	0	ü	ü
Dinner	Ü		ü	Ü	0	ü	ü

Special rotation diet (children under 14, holidays)

The following diet is indicated for children under 14 years of age, who need a more varied food intake, and for adults during holidays or vacation periods.

	mon	tue	wed	thu	fri	sat	sun
Breakfast	Ü	0	Ü	Ü	0	Ü	ü
Lunch	Ü	0	ü	ü	0	Ü	ü
Dinner	Ü	0	ü	ü	0	Ü	ü





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