IMUNIPLANT CAN INFLUENCE DISFUNCTIONAL IMMUNE RESPONSES IN ELDERLY

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Immune education begins *in utero*; the gestational environment is not sterile, and the presence of microbes in the gestational environment influences the fetal immune system.

There are two types of immunodeficiency disorders: those you are born with (primary), and those that are acquired (secondary).

Moreover, crosstalk between commensals and the immune system is now recognized because microorganisms can modulate both innate and adaptive immune responses.

The microbiome is vital for immune system development and homeostasis.

Gut microbiome and its metabolites might manipulate the local immune responses as well as those of the systemic immune system.

The immune system plays a vital role in keeping the body healthy by providing a fine balance between the elimination of invading pathogens and the maintenance of tolerance to healthy self-tissue.

It is now evident that the gut microbiota has a profound effect on the host immune system and can affect autoimmune-related diseases.

The interactions between the gut microbiota and host immunity are complex, dynamic and context-dependent.

The gut microbiota and its metabolites have been shown to influence immune functions and immune homeostasis both locally and systemically.

Antibiotic treatments, vaccinations and hygiene practices all can alter gut microbiota composition.

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The objective was to demonstrate role of Imuniplant in the management of disfunctional immune responses. The direct modulation of gut microbiome that could diminish inflammatory responses and ameliorate adaptive immune responses is major pathway to stabilize immunosenescence.

Recent reports indicate that dysbiosis is increased in aging.

Imuniplant modulation of the immune system has applications within the clinical setting, but can also have a role in the aging population, acting to reduce or delay the onset of immune-mediated chronic diseases.

Ongoing research in this field will ultimately lead to a better understanding of the role of diet and Imuniplant in immune function and inflammation in elderly people.

A dysfunctional immune system can cause a whole range of pro-inflammatory conditions like impaired gut function, weakened responses to new infection.

Imuniplant may restore the composition of the gut microbiome and introduce beneficial functions to gut microbial communities, resulting in amelioration or prevention of gut inflammation and other systemic diseases.

An immune response is a reaction which occurs within an organism for the purpose of defending against foreign invaders.

There are two distinct aspects of the immune response, the innate and the adaptive, which work together to protect against pathogens.

Alterations in the gut microbiome affect the immune system balance via the production of metabolites.

Microbes coexist with humans and play an important role in regulating health and disease.

Immune dysregulation is any proposed or confirmed breakdown or maladaptive change in molecular control of immune system processes.

Memory T and memory B cells are also produced in the case that the same pathogen enters the organism again.

The innate immune response is an organism's first response to foreign invaders. The innate immune system consists of physical barriers such as skin and mucous membranes, various cell types like neutrophils, macrophages, and monocytes, and soluble factors including cytokines and complement.

For example, dysregulation is a component in the pathogenesis of autoimmune diseases and some cancers.

The microbiome is vital for immune system development and homeostasis.

Immune deficiencies may be temporary or permanent.

Temporary immune deficiency can be caused by a variety of sources that weaken the immune system.

Pregnancy also suppresses the maternal immune system, increasing susceptibility to infections by common microbes.

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Imuniplant tea is a natural immunomodulator of the human microbiome.

Removing dysbiosis from the microbiota can prevent and eliminate pain; regulates cellular metabolism; regulates the central nervous system; modulates the activity of important neurotransmitters; physically and mentally energizing; remineralizing; increases fatigue resistance.

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Indicated in:

Autoimmune diseases
Metabolic disorders
Diseases of the internal organs, liver, kidneys, lungs,
Hyperacidity
Metabolic acidosis
Metabolic syndrome

Administration:
740 ml tea to drink daily

Duration of treatment:
In relation to the evolution of the disease (2-6 months)

Contraindications:

There are not

Side effects:
They have not been used for a long time.

Terms of validity:
2 years from the date on the prospectus;
It is kept in the dark and at a constant temperature

Other specifications:
It can be used in parallel with allopathic medication prescribed by your doctor.

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Conclusion

The composition of the gut microbiota changes with age. The gut microbiota is considered to be a master regulator of immune homeostasis. Besides modifying the gut microbiota, Imuniplant modulates the immune system in elderly people.

Probiotics have been widely reported to act on the immune system. They are living microorganisms with immunomodulatory effects that stimulate Th1 cytokines and suppress the Th2 response, which are being researched for the treatment of several diseases.

Probiotics most commonly used are part of the intestinal microbiota like lactobacilli, bifidobacteria, and enterococci.

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References

Chaplin DD. Overview of the Immune Response. J Allergy Clin Immunol. 2010 Feb; 125(2 Suppl 2): S3–23.

Childs CE, Calder PC, Miles EA. Diet and Immune Function. Nutrients. 2019; 11(8).

Molendijk I, van der Marel S, Maljaars PW. Towards a Food Pharmacy: Immunologic Modulation through Diet. Nutrients. 2019; 11(6): 1239.

Caballero S, Pamer EG. Microbiota-mediated inflammation and antimicrobial defense in the intestine. Annual review of immunology. 2015 Mar 21;33:227-56.

Li XV, Leonardi I, Iliev ID. Gut mycobiota in immunity and inflammatory disease. Immunity. 2019 ; 50(6): 1365-79.

Ingels C, Vanhorebeek I, Van den Berghe G. Glucose homeostasis, nutrition and infections during critical illness. Clin Microbiol Infect 2018; 24: 10-15.

Morrison DJ, Preston T. Formation of short chain fatty acids by the gut microbiota and their impact on human metabolism. Gut Microbe . 2016; 7: 189-200.

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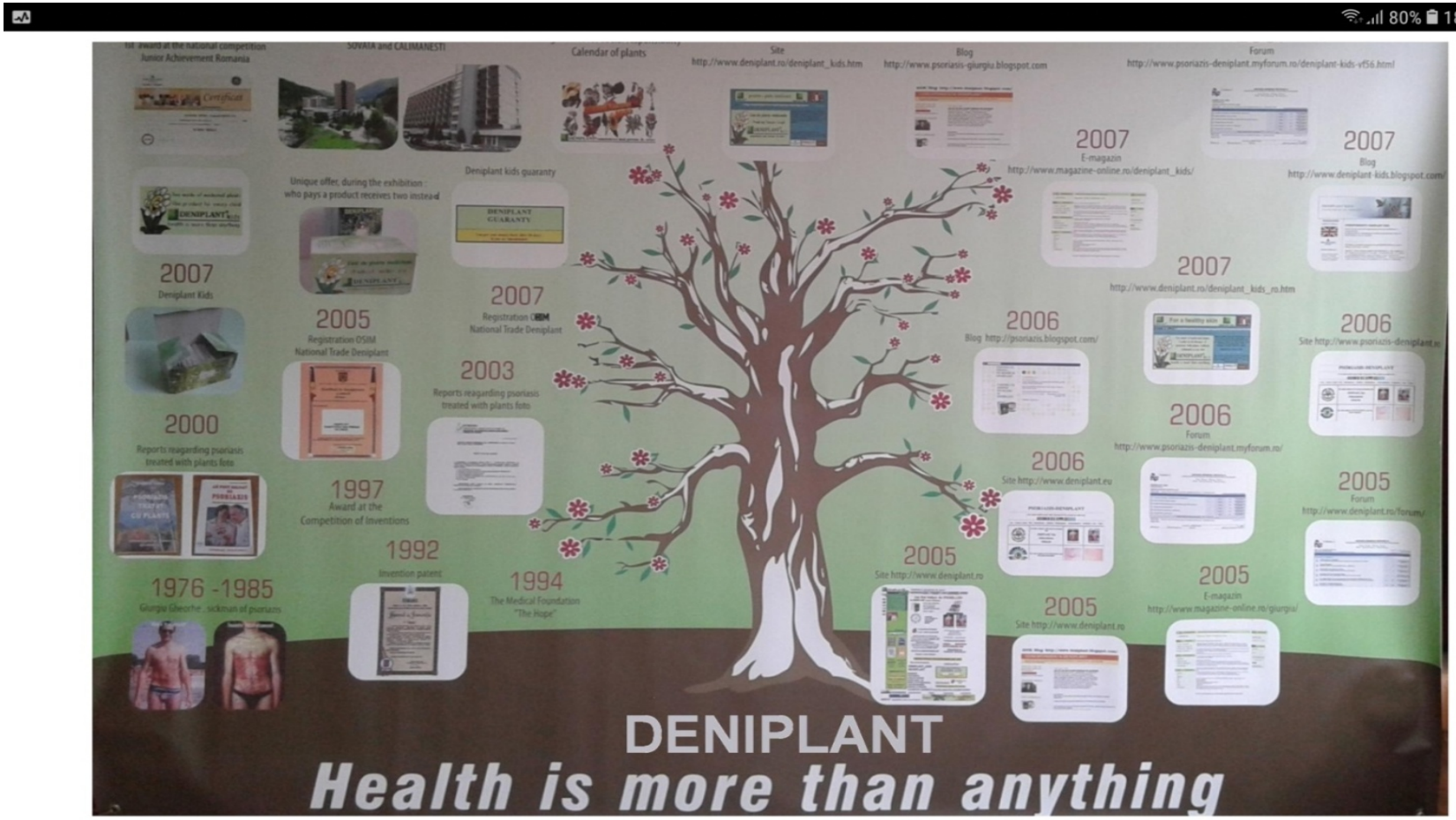

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