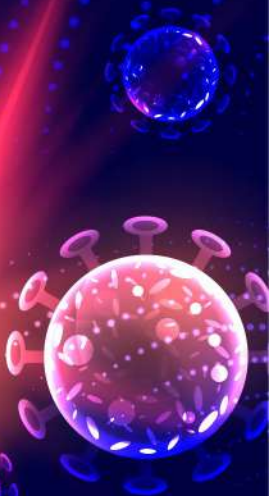




hair
fact
Science Advanced Cyclical Therapy

BOOST YOUR IMMUNE RESPONSE

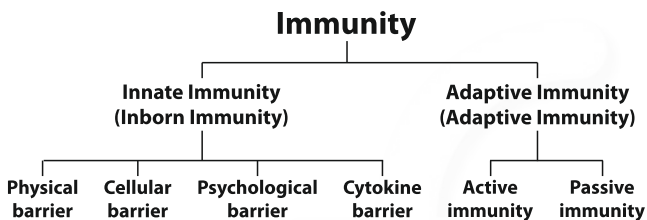


PRO IMMUNE KITS
FOR HAIR, SKIN AND
OVERALL WELLNESS

What is Immunity?

Immunity is the ability of the body to protect against virus, bacteria, microorganisms and toxins – mainly recognizing self and non self.

Types of immunity.



What does a compromised Immune Response signifies on hair as well on skin?

Compromise Immune Response is low activity or over activity of the immune system. It affects on following organs and systems in different ways.

HAIR	SKIN
Frontal Fibrosing Alopecia	Lupus, Vitiligo,
Alopecia Areata	Psoriasis
Resistant Dandruff	Frequent Allergies
Scarring Alopecia	Frequent skin breakouts Atopic dermatitis

Apart from hair and skin following conditions are also get triggered in state of compromised immunity response -

Leaky gut syndrome • Diabetes • Rheumatism Chronic unresponsive disorder • Thyroid • Celiac diseases • Loss of sleep

Factors responsible for compromised Immunity:

Following factors are responsible for compromised immune condition

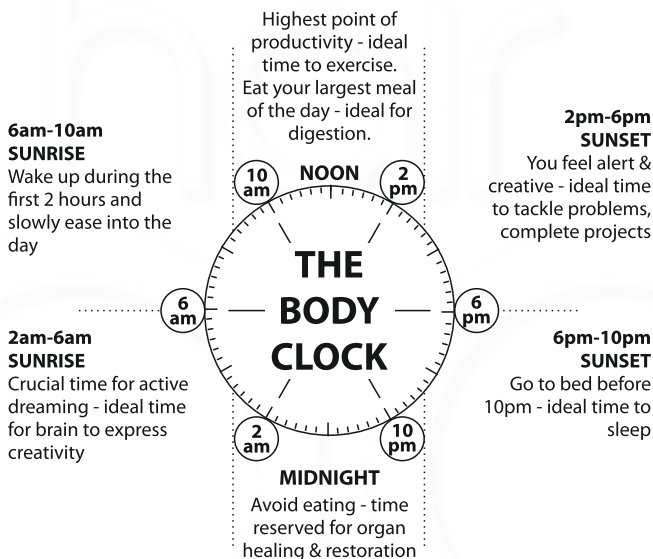
Stress, Lack of sleep, Pollution, Chemicals Preservatives in food, Dieting, Smoking, Alcohol, High Salt & Sugar intake, Nutritional deficiencies, Loss of Circadian Rhythm, Exposure to Bright light especially after sunset, Lack of physical exercise, Indoor lifestyle, etc.

Corelation - Sleep Inflammation & Immunity

- Immune cells, macrophages, natural killer cells, lymphocytes contain a circadian molecular clock.
 - Immuno competent cell counts & cytokine levels vary according to the time of day and the sleep-wake cycle
 - circadian disruption also alters innate immune response and immune response in the brain & the periphery
 - Interruption of sleep - accelerated weight gain, obesity, as well as changes in metabolic hormones
 - Ayurvedic Body Clock - Sleep essential between 10pm to 2 am:
-

- Activity of the Liver – Detox, healing – 10 pm – 2 am, Essential REM sleep

1. *Nicolas Cermakian, et.al. (2013) Crosstalk between the circadian clock circuitry and the immune system, Chronobiology International*
2. *Asif N, et.al. Human immune system during sleep. Am J Clin Exp Immunol.*
3. *Lorton D, et.al.: Bidirectional Communication between the Brain and the Immune System: Implications for Physiological Sleep and Disorders with Disrupted Sleep. Neuroimmunomodulation*



Benefits of Antioxidants & minerals in Inflammation & Immunity

- Nutritional deficiency causes impairment of T cell-mediated immunity, phagocyte function, complement system, secretory immunoglobulin A, adaptive antibody response, antibody concentrations, and cytokine production.
- Vitamin A deficiency impairs both innate immunity through mucosal epithelial regeneration and adaptive immune response from extracellular pathogens
- Amino acids, fatty acids, linoleic acid, vit A, folic acid, vit B6, vit B12, vit C, vit E, Zinc, Copper,
- Iron, Selenium restores immune function and resistance to infection.

1. *Calder, P., & Kew, S. (2002). The immune system: A target for functional foods? British Journal of Nutrition, 88(S2), S165-S176.*
2. *R K Chandra, Nutrition and the immune system: an introduction, The American Journal of Clinical Nutrition, Volume 66, Issue 2.*
3. *Wintergerst E, S, et.al.: Contribution of Selected Vitamins and Trace Elements to Immune Function. Ann Nutr Metab.*
4. *Maggini, S., et.al. (2007). Selected vitamins and trace elements support immune function by strengthening epithelial barriers and cellular and humoral immune responses. British Journal of Nutrition.*

Benefits of Vitamin D in Immunity & Inflammation

Vitamin D receptor is expressed on all immune cells, B cells & T cells. Vitamin D can modulate the innate and adaptive immune responses

.Vitamin D deficiency is associated with increased autoimmunity and susceptibility to infection.

1. Calton EK, Keane KN, Newsholme P, Soares MJ (2015) The Impact of Vitamin D Levels on Inflammatory Status: A Systematic Review of Immune Cell Studies. *PLoS ONE* 10(11):e0141770.
2. Aranow C. Vitamin D and the immune system. *J Investig Med*.

Benefits of Curcumin in Immunity & Inflammation

Curcumin is a potent immunomodulator of T cells, B cells, macrophages, neutrophils, natural killer cells, and dendritic cells. Curcumin downregulates expression of various proinflammatory cytokines including TNF, IL-1, IL-2, IL-6, IL-8, IL-12 and chemokines, through inactivation of transcription factor NF-kappaB.

Curcumin at low doses can enhance antibody responses.

1. Gautam SC, Gao X, Dulchavsky S. Immunomodulation by curcumin. *Adv Exp Med Biol*.
2. Jagetia, G.C., Aggarwal, B.B. "Spicing Up" of the Immune System by Curcumin. *J Clin Immunol*. -35.

Benefits of lactoferrin in inflammation & immunity

- Lactoferrin exerts protective effect via regulation of enzyme activities, reactive oxygen species production, immune deviation, and prevention of cell apoptosis restoring homeostasis.
- Lactoferrin attenuates inflammatory response & limits pathological damage.
- Lactoferrin binds iron five times more making iron unavailable for the rapidly multiplying pathogens and restricts spread of infection

1. Rosa L, Cutone A, Lepanto MS, Paesano R, Valenti P. Lactoferrin: A Natural Glycoprotein Involved in Iron and Inflammatory Homeostasis.
2. Kruzel Marian L., et.al. Lactoferrin in a Context of Inflammation-Induced Pathology. *Frontiers in Immunology*.
3. McGrath BA, Fox PF, McSweeney PLH, et al. Composition and properties of bovine colostrum

Benefits of Colostrum in Inflammation & Immunity

Colostrum contains Magnesium, B vitamins, and vitamins A, C, and E, growth factors IGF-1, IGF-2, which have immune-boosting effects

Colostrum provides ready to use Immunoglobulins, IgA, IgG, & IgM which deliver immediate passive immunity against all conditions.

1. McGrath BA, et al. Composition and properties of bovine colostrum: a review. *Dairy Sci. & Technol*.
2. Ulfman LH, et al. Effects of Bovine Immunoglobulins on Immune Function, Allergy, and Infection. *Front Nutr*.

Benefits of Mushrooms for immunity:

- Mushrooms interact with gut microbes, enhancing adaptive immunity & immune cell function.
- Mushroom extract has therapeutic properties such as antioxidant, anti-inflammatory,
- Mushroom has therapeutic property as immunomodulatory keeps the immune system in balance — stimulating it when there's something to fight and down regulating it when it's overactive.

1. Ganeshpurkar A, et al. Medicinal mushrooms: Towards a new horizon. *Pharmacogn Rev*.
 2. Feeney MJ, et al. Mushrooms and Health Summit proceedings. *J Nutr*.
 3. Chaturvedi VK, et al. Medicinal mushroom: boon for therapeutic applications. *3 Biotech*.
-

Benefits of Resveratrol for immunity:

- Pleiotropic activities of Resveratrol influencing various gene phenotypes.
 - Resveratrol modulates gut micro biota and influence stem cell proliferation and differentiation.
 - Effective antioxidant, anti aging, anti inflammatory, immune modulator and metabolic regulator.
1. Diaz-Gerevini GT, et al. Beneficial action of resveratrol: How and why? Nutrition.
 2. Singh AP, et al. Health benefits of resveratrol: Evidence from clinical studies. Med Res Rev.
 3. Repositi G, et al. Molecular Basis of the Beneficial Actions of Resveratrol. Arch Med Res

Supplements such as vitamins, minerals, essential fatty acids, phytochemicals, and more enrich the body's internal environment to fortify cellular protection, repair, and regeneration and support the Renewal process.

Nutrients do not work alone. All micronutrients are required in definite amount by body. A well planned, synergistic, low dosage and comprehensive nutritional program can improve efficiency, avoid overdoses and ensure a long term benefits to all the body systems.

Pro immune kits are nutritional based kits, based on our patented, studied, published and clinically established protocol. Body gets all required nutrients in optimum dosage to treat, heal and thrive.

Available as:

Pro Immune 1, Pro Immune 2, Pro Immune 3	With benefits of lactoferrin and colostrum
Pro Immune 4, Pro Immune 5, Pro Immune 6	With benefits of kelp seaweed extract, zinc, colostrum
Pro Immune 7, Pro Immune 8, Pro Immune 9	With benefits of mushrooms and of Resveratrol
Pro Immune GOLD	With benefits of kelp seaweed extract, zinc, colostrum, lactoferrin
Pro Immune Veg-I	Vegetarian formulation



Pro immune - HAIR FACT - SHIELD – builds immunity.

HOW TO MAKE COVID VACCINES MORE EFFECTIVE

For generating antibodies & immune response to a vaccine, the cells require amino acids, antioxidants, catalysts, coenzymes, which are all nutrients. Any deficiency compromises the immune response.

How to make COVID vaccines more effective: give people vitamin and mineral supplements

Margaret Rayman, University of Surrey, Philip C Calder, University of Southampton

February 12, 2021 3.30pm GMT



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Please consult your Doctor for HAIR FACT

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PUBLISHED ...
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- ❑ Absolutely safe for long term use.
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- ❑ With US FDA, Australian TGA and Health Canada Approvals.
- ❑ Being used by over 3000 professional practitioners.
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