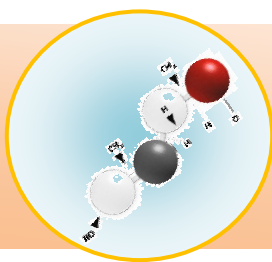


Youth Hormone Mimicking Peptide



Corum 8804 / 8814
Palmitoyl Tetrapeptide-7

INTRODUCTION

Beatifying does not simply start from the skin surface but also from the inside of the body! Nowadays, people are overwhelmed with heavy stresses and pollutants from their surroundings.

The decline in the efficiency of the immune system against exogenous harms relative to age is known as **immunosenescence**, which is also regarded as one type of ageing. Imbalance production of cells' signaling molecules, cytokines, is a phenomenon of immunosenescence which can trigger various ageing symptoms.

Thus, before rejuvenating our skin appearance, a strong immune system to protect the body and skin becomes necessary to achieve beauty from within that is ultimately reflected on a radiant skin.

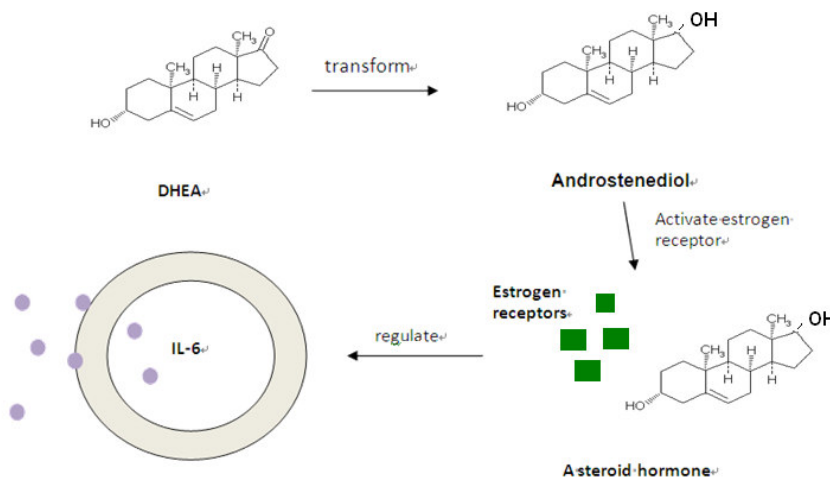
MECHANISM

Interleukin-6 (**IL-6**) is a multifunctional cytokine that regulates immune response, and acute inflammation phase response. Its production is regulated normally when we are young, but starts over-producing while aging.



A steroid hormone called

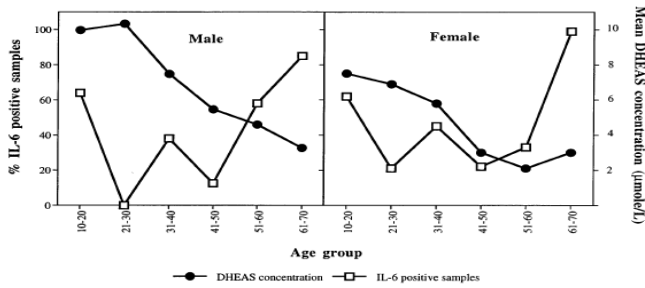
Dehydroepiandrosterone (**DHEA**) secreted by the adrenal gland could solve the over-production problem by converting itself to androstenediol and activating estrogen receptors on some steroid hormone cells to regulate IL-6 level.



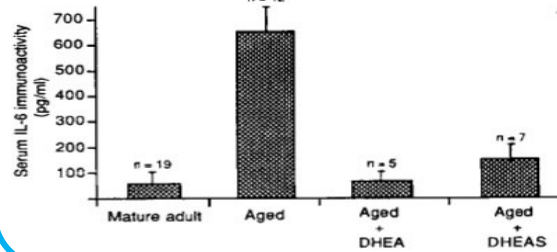
Except, DHEA level decreases while aging.

However, with DHEA treatment, IL-6 level can be regulated and restore to its balance, and hence aging symptoms can be reduced indirectly.

IL-6 and DHEAS Level VS. Age



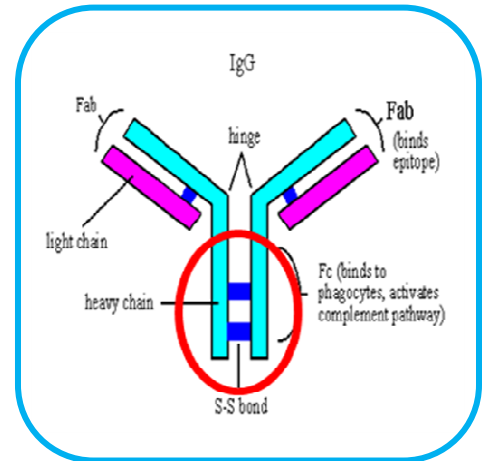
IL-6 Production with DHEA Treatment



CORUM TETRAPEPTIDE-7

Immunoglobulin G (**IgG**) is an antibody responding to antigen. Its Fc fragment is in charge of regulation on cytokine, like IL-6 production. Tetrapeptide-7 contains amino acids that also found in the Fc fragment. Hence, tetrapeptide-7 also has the ability to regulate IL-6 production.

As to the regulation ability on IL-6 production, both tetrapeptide-7 and DHEA have the ability regulating IL-6, but in a different manner.



EFFICACY

WOUND HEALING EFFECT (*In-vitro*)

A 138% wound healing effect is induced with 20ppm Corum Tetrapeptide-7 after 48 hours.

