ENDOCRINE DISRUPTOR COMPOUNDS (EDCs) and PROTEOLYTIC ENZYMES

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- Abstract -

EDCs are organic compounds found in cosmetics, personal care products, packaging materials, foods, pharmaceuticals, and other sources that can mimic and/or inhibit endogenous hormones. These man-made compounds widely found in everyday living conditions can infiltrate the body's barriers via skin, inhalation, or digestion, where they may elicit a systemic reaction leading to the production of antibodies which can ignite autoimmune processes and even cancer. Although the detoxification processes of the body via the liver can help remove many of these chemicals, it is important to find ways to enhance their removal from the body.

This exploratory study investigated the effect of proteolytic enzymes on the removal and/or reduction of EDCs. A treatment group and a placebo group were placed on a healthy, all natural, anti-inflammatory diet, and the treatment group also received Transformation Enzyme Corporation's Professional Protocol™ Protease supplement yielding >4.26 million HUT per day. Antigens, inflammatory markers, and immunoglobulins were measured at the beginning, at 6 weeks, and at 12 weeks.

Most participants showed a reduced level of the compounds and/or their metabolites over the study period due to enhanced blood circulation, bio-presentation of the EDCs for detoxification, release from tissues, improved liver function, improved elimination, improved kidney function, and enhanced immune action. Compared to the control group, for most of the analytes we observed an increased amount of urinary excretion of toxins and immune system recogniation of toxins along with more controlled and efficient inflammatory response and greater improvement in symptoms.

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