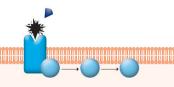
Toxins are ubiquitous in our environment and we are constantly exposed.



HORMONE DISRUPTION



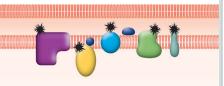
Toxins can compete for hormone receptor binding and disturb the intricate hormonal balance.

OFFSET WITH

TOXIN ELIMINATION

Eliminating toxins is critical to reducing hormonal competition. Milk thistle and sulforaphane stimulate detoxification pathways to reduce body burden of toxins. Bifunctional modulators such as watercress, artichoke and milk thistle, help to modulate Phase I and enhance Phase II so that detoxification is balanced and effective.

MITOCHONDRIAL DYSFUNCTION



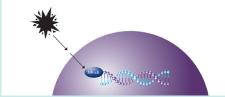
Toxins can cause mitochondrial dysfunction by disturbing the electron transport chain.

OFFSET WITH

HEAVY METAL CLEARANCE

Heavy metals such as mercury and arsenic have been shown to adversely affect mitochondrial structure and function. Nutrients such curcumin and zinc that up-regulate natural heavy metal clearance processes are a safe and effective way to improve elimination of these toxins.

INFLAMMATION



Toxin exposure triggers gene expression of pro-inflammatory cytokines, which mediates their pathological effects.

OFFSET WITH

INFLAMMATION MODULATION

Nutrients such as curcumin, boswellia, sulfurophane and xanthohumol have potent anti-inflammatory effects which help to curb the pro-inflammatory damage caused by toxin exposure.

OXIDATIVE STRESS





Toxins can produce reactive oxygen species, which can cause oxidative damage to DNA and membrane lipids.

OFFSET WITH

ANTIOXIDANT PROTECTION

Vitamins and minerals such as vitamin C, D, E and zinc, as well as N-acetylcysteine, and EGCG from green tea enhance the production of glutathione, and quench free radicals produced by excess toxic load.

CONDITIONS LINKED TO ENVIRONMENTAL TOXICITY

ENDOCRINE

Thyroid disorders Breast, endometrial and ovarian cancers Testicular cancer Poor semen quality Male and female reproductive disorders

METABOLIC

Obesity Diabetes Cardiovascular disease Chronic fatigue syndrome Fibromyalgia

NEUROLOGICAL

Low IQ ADHD and autism Alzheimer's Parkinson's Motor neuron disease



Metagenics Effective Strategies for Metabolic Detoxification









Provides daily digestive and immune support with 15 billion CFU blend of L. acidophilus NCFM and B. lactis Bi-07



Provides support for Phase I and II hepatic detoxification, including comprehensive antioxidant protection, combined with hypoallergenic, readily digestible macronutrients

Provides bifunctional nutritional support designed to balance Phase I and Phase II detoxification pathways

Follow the Metagenics Detox Dietary Guidelines while on one of the following programs:

FOUNDATIONAL DETOX PROGRAM WEEKS 1 TO 4 UltraFlora **DETOX ESSENTIALS** Balance

CAN BE PERSONALISED TO SUIT PATIENT



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