Adrenotone™ is designed to be an all-in-one synergistic adrenal support formula. In just one product it is now possible for the clinician to provide botanical and nutritional enhancement of adrenal cortical and medullary function, adrenal rejuvenation and increased hypothalamic receptor function. It also helps address deficiencies common to those suffering from the effects of chronic stress.

**Specific Clinical Objectives of Adrenotone™**

This formula includes adaptogenic and adrenal tonic herbs and nutrients in order to help the body’s adaptation to stress and to support adrenal gland health. Stress can alter levels of cortisol and catecholamines, in addition to causing the depletion of a host of micronutrients. Cortisol increases have vast effects over serum blood glucose and insulin levels, inducing dysglycemia and laying the foundation for metabolic syndrome.

Adrenotone™ contains a blend of standardized botanicals including Eleutherococcus senticosus (Eleuthero), Panax quinquefolius (American ginseng- strong, yet least stimulating of the ginsengs), Ashwagandha (Indian ginseng or Withania), Rhodiola rosea (Rose root), and Glycerrhiza glabra (Licorice root), all known to be tonifying and rejuvenating to the adrenal glands. The ginseng family of herbs possesses a unique property of aiding in the regeneration and enhanced function of hypothalamic cortisol receptors, providing an amphoteric effect that allows the body to better self-regulate cortisol levels. Licorice potentiates and extends the serum life of cortisol, thereby lessening the demand on the adrenal cortex during stressful conditions. N-Acetyl-tyrosine, the most bioavailable form of tyrosine, is included as a critical building block of catecholamines, which are often depleted under chronic stress conditions, various neurotransmitters, and thyroid hormones. Also included are the nutrients: vitamin C, pantotheneic acid (B5), pyridoxine-B6 (as P-5-P) and riboflavin-B2 (as R-5-P), which play critical roles as enzyme co-factors in the balanced production of stress hormones. All of these ingredients are combined in order to synergistically promote proper homeostasis of serum cortisol, help to promote healthy hypothalamic-pituitary function, aid in the production and replenishment of depleted catecholamines, support adrenal cortical health, and replete common nutritional deficiencies that can result from chronic stress.

**References:**

17. Takeda R, Morimoto S, Uchida K et al. Prolonged pseudoaldosteronism induced by glycyrrhizin. Endocrinol Japon 1979; 26: 541-547

By Linda Lizotte, RD, CDN