Adrenotone Plus is a formulary, encapsulated product designed to be an all-in-one adrenal support product. 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, increased hypothalamic receptor function, and address depletions common to those suffering from the effects of chronic stress.

**Specific Clinical Objectives of Adrenotone Plus:**

Adaptogenic and adrenal tonic herbs and nutrients have been included 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 Plus contains a blend of standardized botanicals including: *Eleuthrococcus senticosus* (Eleuthero), *Panax quinquefolius* (American ginseng- strong, yet least stimulating of the ginsengs), *Asheagundha* (Indian ginseng or Withania), *Rhodiola rosea* (Rose root), and *Glycyrrhiza glabra* (Licorice root), all known to be tonifying and rejuvenating to the adrenal gland. 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, which 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*-acyetyl-lysine, 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, pantothenic acid (B5), pyridoxine-B6 (as P-5-P) and riboflavin-B2 (as R-5-P)*, which play critical roles as enzyme cofactors in the balanced production of stress hormones. All of these ingredients are combined in order to synergistically promote proper homeostasis of serum cortisol, helping to promote healthy hypothalamic-pituitary function, aid in the production and replenishment of depleted catecholamines, support adrenal cortical health, and to replete common nutritional deficiencies that can result from chronic stress.

References:

18. Takeda R, Morimoto S, Uchida K et al. Prolonged pseudoaldosterone induced by *glycyrrhizic acid*. Endocrinol Japan 1979; 26: 541-547

To contact Designs for Health, please call us at (800) 847-8302, or visit us on the web at www.designsforhealth.com.