

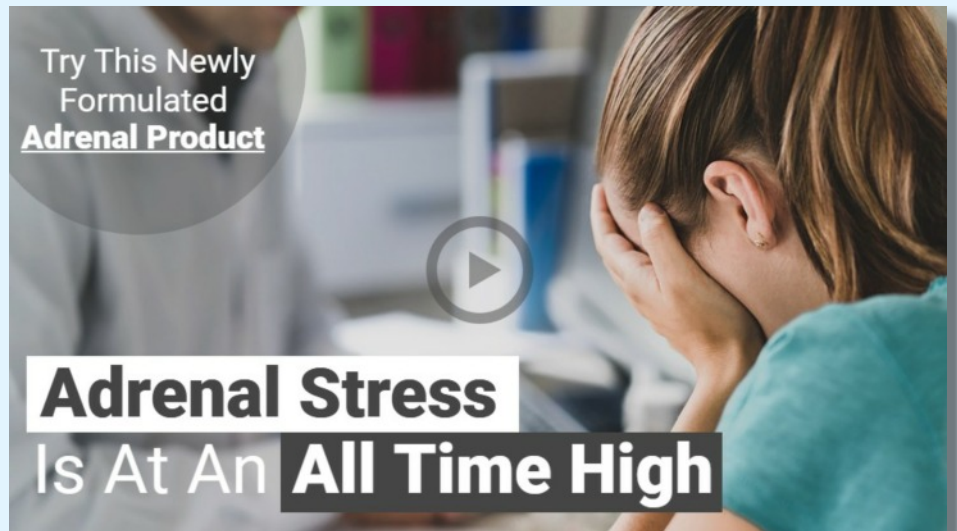
Reformulation Of Cytozyme-AD

“Cytozyme-AD now contains a unique proprietary complex of neonatal bovine tissue and porcine tissue concentrates to help support adrenal health and function.”

In many ways we are more like pigs than we are like cows! How do I know that, you ask? Because the pharmaceutical companies have spent tens of millions of dollars investigating which glands would support our physiology.

To support digestion porcine pancreatic enzymes are much more effective than bovine enzymes. Porcine thyroid is another example. After looking at bovine, sheep, even equine thyroid tissue, pharmaceutical researchers found desiccated porcine thyroid tissue to be the most effective at changing lab values and clinical improvement.

Desiccated Thyroid became a commercial treatment option in 1934 with Westroid. We know patented thyroid supplements are more popular but let's face it, if desiccated porcine thyroid didn't work it wouldn't have survived the last 85 years. In other words, if there was a better substitute, they would have used it.



Knowing this and knowing that ADB5Plus, which has a small amount of porcine adrenal, is one of their best-selling products, Biotics decided to reformulate Cytozyme-AD™ to include porcine adrenal. Cytozyme-AD™ now contains a unique proprietary complex of neonatal bovine tissue and porcine tissue concentrates to help support adrenal health and function.

As we have discussed in the past, neonatal tissue contains the nucleoproteins in an anabolic state. And now the combination of porcine glandular material will make Cytozyme-AD™ a unique product. Cytozyme-AD™ will

continue to be a mild formula and will not contain adrenal herbs and nutrients that can sometimes cause over stimulation.

In addition, Cytozyme-AD™ contains superoxide dismutase (SOD) and catalase, both derived from vegetable cultures, to provide antioxidant support. The reformulated Cytozyme-AD™ will continue to have 80 mg of the adrenal complex just as the original formula. Keep in mind that because the porcine adrenal tissue has been added, a lower dose may accomplish the same therapeutic goals.

As a refresher, Dr. Bob De Maria did a webinar several years ago titled Adrenal Fatigue and Holiday Stress. Between the stresses of COVID-19 and the social and political unrest in the last 18 months, we know stress has been at an all-time high.

He quotes Hans Selye who describes stress as a General Adaptive Syndrome. Selye who spent his life studying stress, categorized stress as a three-step process. The first phase of stress is the alarm reaction which should last 24-48 hours. The second phase of stress is the resistance stage which reflects continued stress. During that phase, the adrenals will do what they can to rebuild themselves.

Cytozyme-AD™ has traditionally been used to support this second phase. The third phase of stress is the exhaustion stage. During this stage, the patient cannot adapt to stress. There is a loss of sodium and cortisol. Potassium is generally increased as it takes tremendous energy to keep potassium in the cell. The patient feels weak and energy is limited.

In the past, the product ADB5 Plus has been the product of choice in the exhaustion stage. Now with the addition of porcine adrenal to Cytozyme-AD™, Cytozyme-AD™ may be used for additional support for those exhausted patients. As articulated by Dr. Bob De Maria, some of the symptoms of adrenal stress are: dizziness, poor circulation, chronic fatigue, swollen ankles, low blood pressure, craves salt, weak or ridged nails, brown spots or bronzing of skin, tendency to hives, allergies-asthma, arthritic tendencies, weakness after colds or influenza, perspiration increases, muscular and nervous exhaustion, bowel disorders and respiratory disorders.

The Clinical Adrenal Fatigue Observations Dr. Bob shared on the webinar were: Large pupils, bronzing on left cheek, bowed legs, red face/acne rosacea, blood pressure drops from lying to sitting to standing, and craving salt as pickles, chips, and olives. Do patients grind their teeth? Do they sleep through the night?

Along this line of thinking here is a clinical insight I learned years ago from Dr. Zatzkin. When thyroid or pituitary symptoms are resistant to treatment there is generally an adrenal problem at the core.

Why? Because the innate intelligence of the body will compensate for the overcompensation of the adrenals and try to put the brakes on. In other words, the thyroid pituitary axis will be in shutdown mode. Support the adrenals as well as the pituitary and the client will recover faster.

Here is an aspect of the adrenals I rarely hear addressed. One of the functions of the adrenals glands is to alkalize a relative acidic chemistry. As a reminder, a small change in pH causes a major shift in oxidation. Blood pH should be 7.35-7.45. But a shift to 7.25 even though the body is still technically alkaline is considered in a relative acidic state.

In that acidic state hemoglobin can't carry oxygen to distant parts of the body and hypoxia develops. Less oxygen is fertile ground for bacteria, fungus even cancer. Cellular recovery and repair is compromised so tissues heal slower. Also, cell membranes are less permeable limiting nutrients and toxin exchange.

As you know simple sugars, refined and processed foods promote an acidic chemistry. Another reason to make sure patients are eating a higher percentage of a plant-based diet. Plants act as buffers and reduce acidic buildup. You can see a link to the right for further discussion.

It's an exciting time to be a wellness clinician, we have so many sophisticated tools to support our patients. And quite honestly, in these times of stress and anxiety our patients need them to take the edge off. Thanks for watching I look forward to being with you again next Tuesday.