Diabetes: The Missing Factor NAD is now Available as NutriNAD Capsules

The fall in NAD inhibits pancreatic cellular functions including insulin synthesis and secretion, the maintenance of NAD level is essential for the synthesis and secretion of insulin. Coenzyme 1 or NAD is now globally available in capsule form called NutriNAD Capsules.

(PRWEB) August 19, 2007 -- Now we have oral NutriNAD capsules available from Alkogen Products in South Africa that will allow for the daily supplementation of deficient NAD levels identified in people touched by Diabetes. According to Prof John P Cleary: "Pancreatic beta cells, with no NAD and inactive mitochondria stopped functioning, insulin was not produced, and the diabetic condition induced. The outcome depended on whether the pancreatic cells could repair the single strand breaks in the DNA and then obtain new NAD to resume insulin production, or whether, the cells were seriously damaged or unable to build up cytosol NAD levels necessary to resume function.

In diabetes, glucose metabolism via the Krebs cycle is impaired, and this leads to reduced cellular energy and elevated blood sugar levels. When a cell is damaged by oxidation injury, cytosol NAD levels fall and ATP levels decrease. If the DNA strand breaks can be repaired, and the cell regains lost NAD, the energy system can function again, but frequently cell death ensues.

Because insulin was discovered in 1922 and niacin in 1937, no one realized the importance of NAD deficiency in diabetes, even though a small group headed by Tom Spies in 1939 published their study of low NAD levels in diabetics. Controlling only blood sugar and insulin will not prevent the progress of the disease diabetes." (The Importance of Injury as a Cause of Impaired Mitochondrial Oxidation in Diabetes. Prof John P Cleary, Medical University of Wisconsin-Madison).

NAD Levels can be Measured.

"Measured enzymatically in blood or CSF as an index of impaired pyruvate metabolism due to defects of glucose oxidation (fed state) or gluconeogenesis (fasted). The ratio of lactate to pyruvate reflects the NAD/NADH ratio and is useful in distinguishing primary defects of pyruvate metabolism from defects of electron transport (or oxidation)", (The Center for Inherited Disorders of Energy Metabolism (CIDEM) at Case Western Reserve University (CWRU) School of Medicine, Cleveland, Ohio, is a group of inter-disciplinary, specialized laboratories which focus on disorders of mitochondrial function).

The Lactate and Pyruvate blood tests are available from most Labs.

The formula to calculate the patient's NAD Level is as follows: (Pyruvate test value x 1000) divided by the Lactate test value. A result of 100+ indicates a Normal NAD Level. The Average NAD Energy Block of diabetic patients is 64 instead of 100+. The average were calculated based on the results of a substantial number of blood tests done independently by major SA Labs Ampath and Lancet.

Low NAD Levels can be Supplemented:

"Now we also have oral NAD capsules available from Alkogen Products in South Africa that will allow long term therapy for addicts and prevent relapses. Theo Verwey and his clinic physicians have published an e-Book on the use of NAD, and have treated over 6,000 patients at their clinic (Nutrimalaika) in Pretoria, South Africa.
They are treating addictions and energy deficiency diseases with a stabilized form of oral NAD." (Prof John Cleary, 2003, Journal of Orthomolecular Medicine)


Alkogen is the Manufacturer of the oral NAD Supplements (NutriNAD, MalaikaNAD and NutriPyn) which are listed with the SA Medicines Control Council as Complementary Medicine - Schedule 0.

Follow-up blood tests by the major labs Ampath and Lancet show that the average NAD level raises after six weeks of oral NAD Supplementation, with NutriNAD, from a value of 52 to 81. Research indicates that it takes up to 12 weeks for NAD levels to be raised in brain pathology.

Peer reviewed Articles on NAD and Diabetes:

We are in the process of populating the NAD Community Website with peer reviewed NAD related articles. Thousands of NAD related articles, including diabetes, are available on Medline.

Any one touched by Diabetes is cordially invited to join our Diabetes Community, to read and to contribute by clicking now on the link http://diabetes.nutrinad.net Thank you for participating in this Life Enhancing Field.

"Some people change when they see the light, others when they feel the heat." (Caroline Schoeder)

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