



Vitality Radiated through...

NUIHENZ[®]-LS

Mecobalamin Benfotiamine, Nicotinamide and Vitamin B6 Tablets

La Renon[®]



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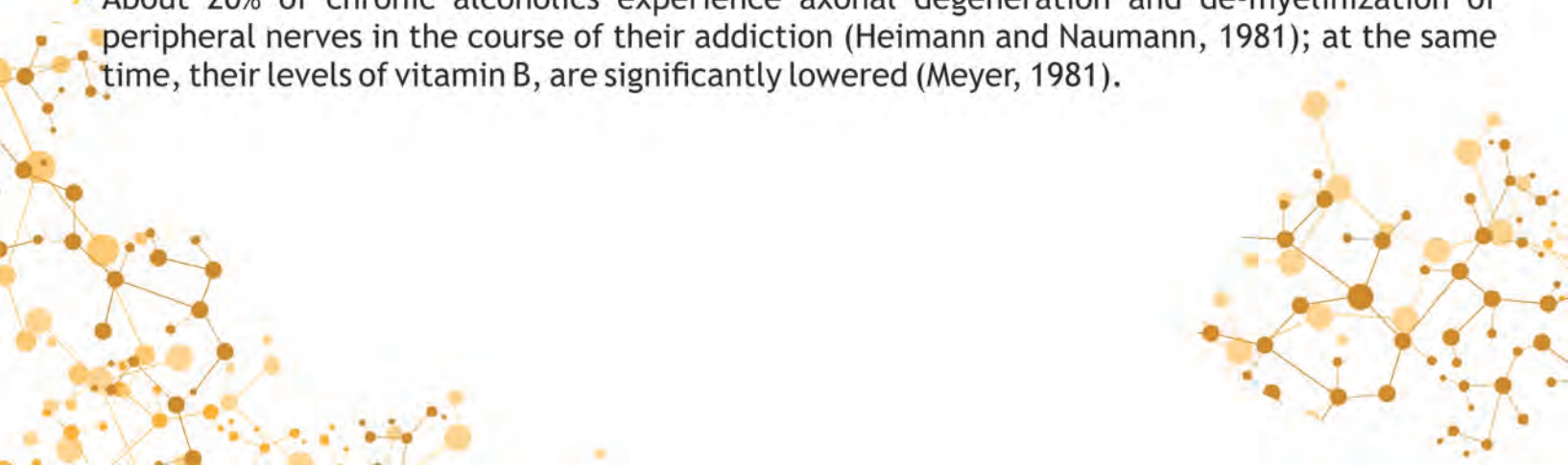
Background

- Brain cells that form part of our complex neuronal network cannot be replaced and have the highest priority in the body for micronutrients.
- Nutrition can substantially affect mood, behavior, and brain function. (Vitamins and mineral supplementation influences brain chemistry and neural function), thereby influencing mood, sleeping patterns and etc. Deficiencies or excesses of certain vitamins or minerals may impair brain function. Usually, the lack of several nutrients rather than a single nutrient are the cause of deterioration in brain functioning.

Importance

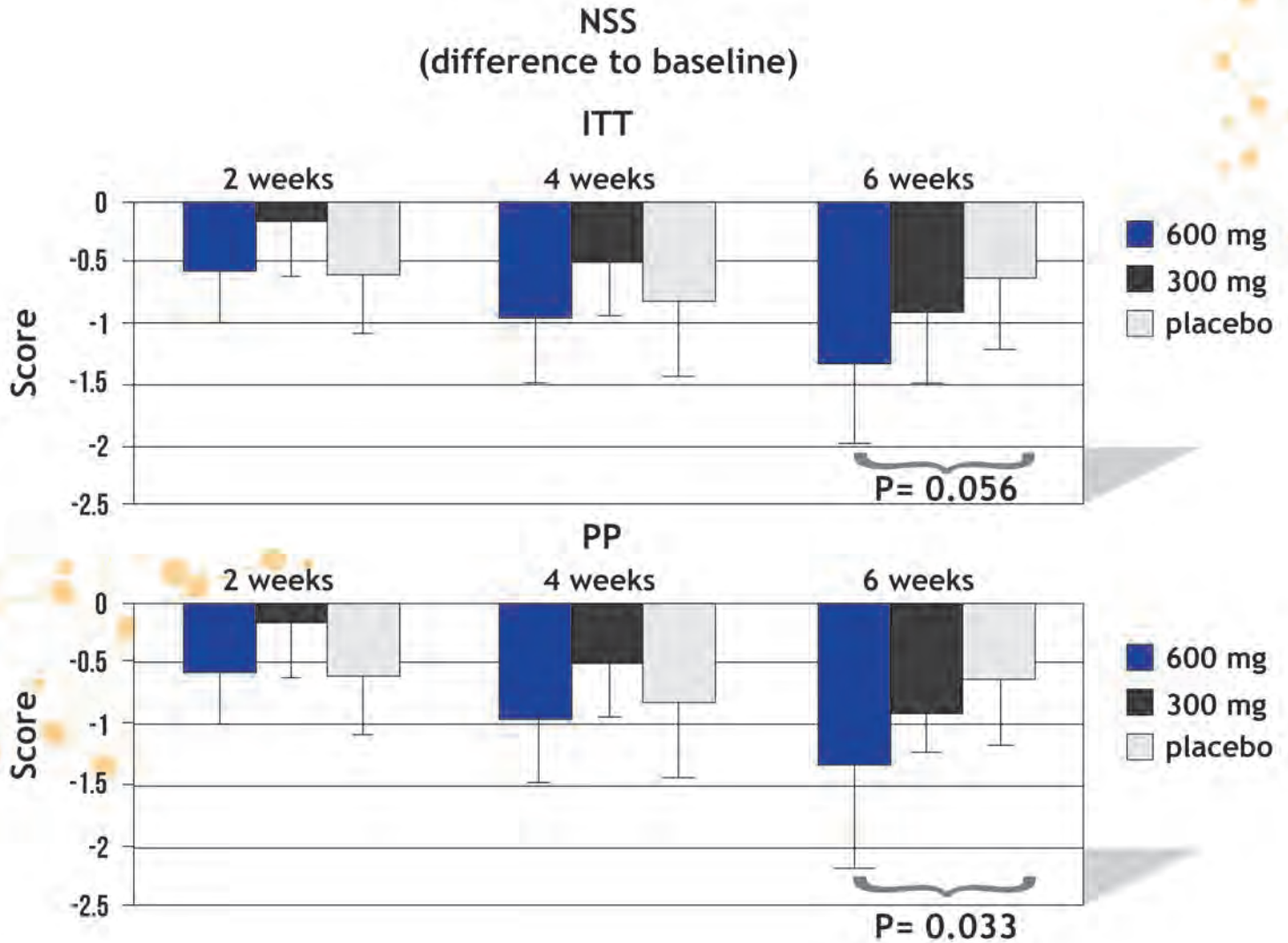
Vitamins are chemically unrelated families of organic compounds that are essential as vital nutrients in limited amounts for normal metabolism. With the exception of vitamin D, these vitamins cannot be synthesized in humans and thus need to be taken through diet.

Correlation With Diseases

- All vitamins and minerals are involved in one or more biochemical pathways and/or physiological actions which influence the function of the human brain.
 - Most vitamin and mineral deficiencies result in psychiatric symptoms in a significant number of people, and in people with psychiatric diagnoses these deficiencies are often associated with more severe symptoms and poorer outcome from conventional treatment.
 - Vitamin and mineral deficiencies may act as an exacerbating factor secondary to malnutrition, alcoholism, etc. or may be a primary causative factor.
 - A few examples could be -- Brain cells that form part of our complex neuronal network cannot be replaced and have the highest priority in the body for micronutrients.
 - About 20% of chronic alcoholics experience axonal degeneration and de-myelination of peripheral nerves in the course of their addiction (Heimann and Naumann, 1981); at the same time, their levels of vitamin B, are significantly lowered (Meyer, 1981).
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BENDIP STUDY

6 weeks of treatment, Benfotiamine 600 mg per day (n = 47 / 43), benfotiamine 300 mg per day (n = 45 / 42) or placebo (n = 41 / 39): NSS (Neuropathy Symptom Score) differed significantly between the treatment groups (p = 0.033) in the PP (per protocol) population.



Brief Advantages -

Ingredients	Role
Benfotiamine	Benfotiamine have proven beneficial effects in diabetic neuropathy
Mecobalamin	Mecobalamin helps in prevention of Alzheimer's disease and cognitive improvement
Pyridoxine HCL	Pyridoxine is proven useful as 'anti stress' strategy
Nicotinamide	Cytoprotectant

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DESCRIPTION

NUHENZ LS is multivitamin preparation contains Benfotiamine, Mecobalamin, Nicotinamide and vitamin B 6 available in tablets form.

Indications:

1. Diabetic Neuropathy
2. Neurodegenerative disease
3. Anxiety & Depression

Clinical Evidence:

1. Thiamine is an essential cofactor for several enzymes involved in brain cell metabolism and benfotiamine (thiamine analogues) is absorbed better than water-soluble thiamine (1 & 2)¹
2. Benfotiamine reduces tissue AGEs formation and oxidative stress²
3. Benfotiamine significantly improve alcoholic polyneuropathy³
4. Methylcobalamin has a positive psychotropic alerting effect⁴
5. Methylcobalamin protects retinal neurons against neurotoxicity⁵
6. Pyridoxine benefits in treating premenstrual symptoms and premenstrual depression⁶
7. Pyridoxine is effective in relieving the severity of nausea in early pregnancy⁷
8. Nicotinamide is a robust cytoprotectant that addresses both early membrane PS externalization and later genomic DNA degradation⁸

DOSSAGE:

As directed by the physician

STORAGE AND HANDLING:

Store at a temperature not exceeding 25°C, protect from light and moisture

References:

1. World J Diabetes; 15; 5(3); 288-295: 2014
2. Oxidative Medicine and Cellular Longevity; Article ID 168039, 15 pages: 2013
3. Alcohol & Alcoholism; 33 (6); 631-638: 1998
4. Neuropsychopharmacology ; 15(5):456-64
5. Invest. Ophthalmol. Vis. Sci ; 38 (5); 848-854: 1997
6. BMJ.; 318(7195); 1375-1381: 1999
7. Am J Obstet Gynecol.;173(3 Pt 1); 881-4: 1995
8. International Journal of Clinical Pharmacology and Therapeutics; 34(2); 47-50: 1996

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