

End The Strife, Renovate Life



Critizyme™

Ubidecarenone 100 mg, L-carnitine 500 mg &
Lycopene Preparation USP 10% 20 mg Tablets

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Description:

Critizyme is specifically formulated tablet of Co enzyme Q10 supplementation in deficiency states of medical conditions such as cardiovascular disease and neuromuscular disease, hypertension, periodontal disease, hyperthyroidism, male infertility, and AIDS. CoQ10 levels decline with advancing age, and this decline might contribute in part to some of the manifestations of aging.

Indication:

- Adjuvant Therapy in Patients with Type 2 Diabetes Mellitus
- All-cause Chronic Heart Failure (Cardiomyopathy, Congestive Heart Failure, etc.)
- Statin associated myalgia or myopathy
- Hypertension

Mechanism of Action:

Type-2 diabetes Mellitus

Diabetes mellitus is most common chronic disease worldwide. It's a growing cause of disability and premature death, mainly through cardiovascular disease. Therefore it's requiring continuous medical care with multifactorial risk reduction strategies in addition to glycemic control to lower the risk of macro- and micro vascular complications.

Coenzyme Q10 extensively studied as a critical adjuvant therapy for patients with cardiac diseases due to its beneficial effects on cellular bioenergetics, regulation of cell membrane channels and antioxidant effect. Carnitine covers important role in lipid and glucose metabolism as well as assisting in fuel sensing. The study also showed that supplementation with coenzyme Q10 in a dose of 75 mg bid in combination with oral antidiabetic drugs associated with a significant decrease in both FBG and HbA1c after 8 weeks of intervention¹

Statin associated myopathy

Statin therapy is frequently limited by myopathic symptoms creating a critical need for strategies to prevent statin myopathy. The many review examines the evidence that CoQ10 is an etiologic factor in statin myopathy. Coenzyme Q10 supplementation at 300 mg/d significantly enhances antioxidant enzymes activities and lowers inflammation in patients who have coronary artery disease during statins therapy.²

Supplemental CoQ10 prevents the statin induced CoQ10 deficiency state without altering the cholesterol-lowering ability of these drugs and appears to have benefit both in terms of decreasing the oxidizability of low density lipoprotein cholesterol, as well as preventing or reversing observed detrimental clinical changes.³

Dosage:

As directed by physician.

References:

- 1) Noor Kadhim M J, May Al S et. al. American Journal of Pharmacological Sciences, 2014, Vol. 2, No. 5, 82-86
- 2) Lee et al. Nutrition Journal 2013, 12:142
- 3) Peter H. L et al. BioFactors 18 (2003) 101-111 101

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