

# Abstract

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## **Dilated cardiomyopathy in celiac disease: role of carnitine deficiency.**

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**BACKGROUND:** Celiac disease (CD) is an immune-mediated enteropathy in genetically susceptible persons and the disease can present with manifestations in the intestine and in organs outside the gut. An increased prevalence of CD in patients with idiopathic dilated cardiomyopathy or secondary cardiomyopathy and some other cardiac disorders has been reported.

**SUMMARY AND FINDINGS:** Here is described a case of dilated cardiomyopathy in a patient with CD and secondary carnitine deficiency. Dilated cardiomyopathy due to carnitine deficiency may occur in CD patients and carnitine deficiency may present not only at the time of diagnosis of CD but it may also develop during gluten-free diet, particularly in patients with fast weight gain and without carnitine supplementation.

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