

Hypomagnesemia As A Marker For Diabetic Nephropathy

Thesis

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BY

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Abstract

Keywords: Type 2 diabetes, diabetic nephropathy, albuminuria, hypomagnesemia.

Magnesium is an essential element and has a fundamental role in carbohydrate metabolism in general and in the insulin action in particular.

Magnesium depletion has a negative impact on glucose homeostasis and insulin sensitivity in patients with type 2 diabetes as well as on the evolution of complications such as retinopathy, arterial atherosclerosis and nephropathy. Moreover, low serum magnesium is a strong, independent predictor of development of type 2 diabetes.

Aim of work: To study serum magnesium level as a marker for development of diabetic nephropathy.

Conclusion: we observed significant negative correlation between A/C ratio and serum creatinine. The study shows negative correlation between serum magnesium and A/C ratio.