

Acute Renal Insufficiency

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Abstract

In the period from March to April in 2016. We had three young boys with acute renal insufficiency. All three of them were healthy and active in sport. One of them was active in athletic, running, and others two were regularly in gym. All three boys were taken multivitaminic pills. In laboratory tests we saw in all three patients higher urea and creatinin. Ultrasound of kidney in two patients showed kidney normal sizes and shapes but hyperchoes parenchims and erased borders. The third patient had completely normal ultrasound of kidney. Biopsy of kidney in our two patients showed acute tubular necrosis. One patient needed haemodialysis. Two of them had antibiotic therapy. All three had fully recovery of kidney functions

Introduction

The goal of this case report is to direct attention on possibility of kidney disease in children who are active in sports.

Materials and Methods

I was trying with anamnestic, clinical and laboratory methods find a causes of the acute renal insufficiency. From the anamneses I got the informations about their health conditions, active playing sports and regular training in gym. All three of them took multivitamin pills and kreatin for achive better results of training. In laboratory tests I was interested to see levels of the urea and creatinin. Also, all three patients were on ultrasound of kidney. Two of them were on biopsy of kidney.

Results

Urea and creatinin were higher in all three patients (urea 7,5-14-21, creatinin 150-190-330-487-555-625). Ultrasound of kidney in two patients showed kidneys normal position, shapes and sizes, hyperchoes parenchims, erased borders. The third patient had completely normal ultrasound of kidney. Biopsy of kidney in two patients proved itwas acute tubular necrosis.

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