

Serum Electrolyte Levels among Hospitalized Cases of Acute Coronary Syndrome in A Tertiary Care Hospital

Thakur Dilbagh Singh, Ateeq Ur Rehman

Department of Medicine, People's College of Medical Sciences and Research Centre, Bhopal

ABSTRACT

Hypomagnesemia is common in hospitalized patients, especially in the elderly with acute coronary syndrome and/or those with chronic heart failure. The present study was carried out in the department of Medicine, Peoples Medical College and research centre, Bhopal from November 2017 to October 2018. Sixty patients of acute coronary syndrome diagnosed by clinical examination and ECG criteria were included in the study. Arrhythmias and conduction blocks were noted on continues ECG monitoring in ICU. These patients were analyzed for serum magnesium, calcium, sodium and potassium concentration on admission. It was found that serum magnesium and serum sodium are significantly changed between cases and controls($p < 0.05$) but serum calcium and potassium are not significantly changed ($p > 0.05$).