Diagnosis value of neutrophil gelatinase associated lipocalin, kidney injury molecule-1, and interleukin 18 in patients with traumatic renal injury

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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To explore the diagnosis value of neutrophil gelatinase associated lipocalin (NGAL), kidney injury molecule-1 (KIM-1), and interleukin 18 (IL-18) in patients with traumatic renal injury. Methods: A total of 40 cases with acute trauma and acute kidney injury admitted from January 2012 to January 2014 served as the observation group, and 40 normal subjects as control group. NGAL, KIM-1 and the levels of IL-18 were measured. Results: In observation group NGAL, KIM-1 and IL-18 were significantly higher than these in control group (P < 0.05). Conclusion: NGAL, KIM-1 and IL-18 can effectively indicate the change of patients, and are valuable in the diagnosis of early kidney damage.

[KEY WORDS] NGAL; Interleukin 18; KIM-1; Kidney injury