

Scorpion Sting and Creatine Kinase Elevation

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Scorpion Sting and Creatine Kinase Elevation

Dear Editor,

Scorpion sting cases are frequently encountered in emergency services. Generally speaking, it rarely causes serious toxicity, while local findings are more common. A 21-year-old male patient presented with a scorpion sting on the 2nd finger of his right hand. The patient was conscious, cooperative and oriented, blood pressure: 110/80, pulse: 80, spo2: 98, ss: 15. In the physical examination, there was redness and pain in the 2nd finger of the right hand, and paresthesia in the right arm. The patient with a TAP test of + was accepted as stage 2. Vascular access was established. Blood samples were taken, ECG was taken and the patient was monitored. Tetanus, hydration, analgesic, wound cleaning and 1 vial of scorpion serum were started. The first laboratory findings were normal. In the blood samples taken at the 4th hour, LDH: 476 U/l CK: 774 U/l CK-MB: 100 U/l and high were detected. Other parameters remained normal. The patient, whose pain did not completely go away and who had high CK, was taken for follow-up in the emergency observation room. A Foley catheter was inserted to monitor urine output. At the 8th and 12th hour controls, the patient's CK values were high at 923 U/l 1880 U/l and 1 vial of scorpion serum was given again. CK-MB was 49 U/l 76 U/l LDH:294 U/l 246 U/l. And the treatment was continued with analgesia and hydration. As of the 3rd day, while other parameters were normal, CK values also started to decrease. As of the 5th day, the patient was discharged after the CK value was 600 and local findings improved. The patient was called for a check-up on the 7th day, and his CK value came within normal limits and his follow-ups were terminated as he had no complaints.

In cases presenting with scorpion stings, staging should be done quickly and appropriate treatment should be started. It should be kept in mind that it can also progress with isolated CK elevation. In such patients, aggressive fluid therapy and scorpion serum should be applied without delay in necessary cases.

Key words: scorpion sting; creatine kinase; fluid therapy; scorpion serum

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