

## MO-04

### Analysis of risk factors for mortality of acute paraquat poisoning

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**Objective:** To analyze the risk factors for mortality of acute paraquat poisoning.

**Methods:** A retrospective study was performed including 162 emergency patients with acute paraquat poisoning from January 2016 to July 2017. The patients were divided into survival group and non-survival group. The paraquat dosage and regular laboratory test results were recorded. The significantly different parameters ( $P < 0.05$ ) between two groups were put into Logistic Regression analysis for the independent risk factors of death. Receiver-operating characteristic curves were drawn to evaluate the prognostic ability of them.

**Results:** The paraquat dosage, hemoperfusion, blood lactic acid, serum creatinine, and urine paraquat concentration were independent risk factors for mortality of acute paraquat poisoning ( $P < 0.05$ ).

**Conclusion:** The paraquat dosage, hemoperfusion, blood lactic acid, serum creatinine, and urine paraquat concentration can be used for prognosis of acute paraquat poisoning.