

عنوان مقاله:

Evaluation of Troponin-T level in Neonate with Mechanical Ventilation

محل انتشار:

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خلاصه مقاله:

Introduction: Troponin- T is the best biological marker of heart injuries, that isn't affected by sex, age, birth weight and gestational age. Myocardial damage in infancy is a risk factor eventual cardiac disease. This study carried out for cardiac evaluation of neonates with mechanical ventilation by Troponin T. Methods: This case-control study carried out on ۶۰ infants that were admitted in neonate intensive care unit of Amir Almomenin hospital, Zabol, Iran. Neonates were enrolled in ۲ groups: those who were supported with ventilator as cases and those who were not supported with ventilator as control group. We assayed the serum samples from neonates for Troponin T for myocardial injury. Data was analyzed using Pearson correlation, Mann-Whitney and Chi-square tests by SPSS software and significance level of ۰.۰۵. Results: Troponin T levels in case group was significantly different than it in control group at the beginning of the study and ۲۴ hours after that ($P < ۰.۰۵$). Generally, Troponin T level in case group was significantly higher than it in control group. Conclusion: We conclude that evaluation of newborn with mechanical ventilation enhances the possibility of occult and clinically myocardial injury. The results, in this study, suggest that Troponin T is a useful and .early marker for myocardial injury

کلمات کلیدی:

Troponin T, Newborn, Myocardial Injury, Troponin T, Newborn, Myocardial Injury

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