Indian Journal of Basic and Applied Medical Research; June 2015: Vol.-4, Issue- 3, P. 137-140

**Original article:**

**Cardiovascular response of Rocuronium and Succinlycholine**

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**Abstract:**

Introduction: The present study was under taken to Study clinical duration of rocuronium 0.6mg Kg-1 and 0.9 mg Kg-1 body weight and succinylcholine 1 mg Kg-1 body weight and to Study the Cardiovascular responses associated with the administration of 60 rocuronium and succinlycholine for first 3 minutes.

Methodology: The study population consisted of 90 adult patients of ASA grade I and II belonging to both sexes in the age group of 20 to 50 years who were posted for various emergency surgerys.The study population was randomly divided into three groups with 30 patients in each group.

Results: In our study, there was no changes in haemodynamic variables following the administration of rocuronium. There was a mean change in heart rate ofm 109.07 + 10.99/min and 109.07 + 10.99/min following administration of recuronium 0.6 mg kg-1 body weight and 0.9 mg kg-1 body weight, one minute following intubation. There was a similar increase in mean arterial pressure by mean of 99.3 + 6.7 mm of hg and 99.3 + 6.7 mm of hg from pre induction value following recuronium 0.6 mg kg-1 and 0.9 mg kg-1 body weight one minute following intubation.

Conclusion: The pulse rate increase was maximum at 1 minute after intubation the pulse rate gradually decreased towards resting time of 5 minutes.