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**Original article:**

**Study of outcome of pediatric patients on ventilatory support: Observational study**

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**Abstract:**

**Introduction:** Mechanical ventilation is a method to mechanically assist or replace spontaneous [breathing.](http://en.wikipedia.org/wiki/Respiration_(physiology)) We planned present work with an intention to study outcome for ventilatory support in Paediatric age groups in India in rural scenario .

**Material and methods:** This study was done on patients who were admitted to Pravara Rural Hospital attached to Rural Medical College, Loni during the period of August 2011 toJuly 2013. We prospectively collected 80 patients admitted to hospital and who required ventilation. Detail recorded outcome was analyzed.

**Inclusion** **criteria:** All the patients in the age group of 1 month up to 12 years.

**Exclusion** **criteria:** Patient in the age group of < 1 month and >12 years and Patients with congenital malformations.

All the patients who requires mechanical ventilation will be enrolled in the study.

**Observations and results :** In the present study , out of 80 cases 62.5%(54) survived & mortality rate was 26(32.5%) out of which 13.75%(11) were female and 18.75% (15) were male.

**Conclusion:** There was no significant difference between outcome and gender {X2 with Yates correction=0.04 d.f=. 1}. There is significant difference between survival and death(P =0.05). In genral the present study had better outcome.

**Keywords:** Mechanical ventilation, Pediatric patients