

Joint event

**Euro Vaccines 2022**

**Euro Ophthalmology 2022**

**Endocrinology 2022**

**Pediatrics 2022**

October 03-04, 2022

Webinar

Gen Med 2022, Volume 10

## **Incidence of New Morbidity Based on Functional Status Scale in Children on Discharge from Pediatric Intensive Care Unit of a Developing Country**

**Shoaib Bhatti**

Department of Pediatrics, Liaquat National Hospital and Medical College, Pakistan

**Background:** Recently short-term outcome among survival of children from PICU is assessed by using Functional status Scale (FSS). New morbidity was defined as an increase in FSS score of  $\geq 3$  points from baseline to discharge from pediatric intensive care unit (PICU).

**Objective:** To assess the incidence of new acquired morbidity based on FSS in children on discharge from PICU.

**Methods:** A cross sectional study was conducted on children (1 mo. -15 yrs.) who were discharged alive from PICU from November 2021 to January 2022. The functional status was evaluated by using FSS on first day of admission and discharge from PICU to measure new acquired morbidity.

**Results:** A total of 118 patients were included. The mean age was  $4.6 \pm 3.2$  yr. and 62.5% (71) were male. The mean PRISM score was  $13.06 \pm 5.34$ . Most common diagnostic categories were acute respiratory illnesses (37.3%) and infectious diseases (28%). The mean FSS were  $10.49 \pm 5.37$  and  $7.21 \pm 2.51$  on admission and discharge respectively.

The incidence of morbidity was 36.4% (43/118). On multivariate analysis, the morbidity was significantly associated with male gender (OR 2.38 [95%CI 1.06-5.38;  $p=0.041$ ]) and PRISM III score  $>10$  (OR 0.28[95% CI 0.089-0.89;  $p=0.035$ ]). 90% (106) survived with good functional status whereas only two patients (1.6%) had severe and very dysfunctional status at the discharge from PICU.

**Conclusion:** Our results demonstrated that most of patients (90%) discharge from PICU in good functional status. Potentially male gender and high PRISM-III score ( $>10$ ) were significantly associated with high incidence of morbidity in our PICU.

**Key words:** Functional status scale, Children, Morbidity, Pediatric intensive care unit, incidence