PREDICTORS OF MORTALITY AMONG PEDIATRIC CANCER PATIENTS ADMITTED AT THE PEDIATRIC INTENSIVE CARE UNIT OF A TERTIARY CHILDREN'S HOSPITAL

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BACKGROUND	mortality risk score, presence of sepsis,

failure and therapeutic interventions. Odds ratio Children with cancer are not routinely admitted and binary logistic regression were computed to in the PICU in resource-limited settings due to determine significant predictors for mortality. their high morbidity and mortality. Identifying

mortality.

Ninety-four PICU admissions were reviewed. benefit most from ICU admission. Median age was 88.5 months, male-to-female **OBJECTIVE OF THE STUDY**

To identify predictors of mortality among pediatric cancer patients admitted in the PICU of

factors that predict mortality will aid in risk-

stratification and selection of patients who will

METHODOLOGY A retrospective, analytical, cohort study on critically ill pediatric cancer patients admitted in

a tertiary hospital's PICU was conducted by chart review. Data collected included age, sex, diagnosis, cancer status, treatment phase,

Pediatric Risk of Mortality III score, novel cancer

were newly diagnosed patients (38.3%) on intensive phase of treatment (39.4%).

Multivariate analysis showed that a high PRISM III score, need for mechanical ventilation, and

Parameters 95% CI ahhO p-value ratio 1.0623 to **PRISM Score** 1.2245 0.005 1 4115

Adjusted

Mechanical 5.4372 to 31.1236 < 0.001 178 16 ventilation 0.00009 to Inotropes 0.0013 0.009 0.194

CONCLUSIONS AND RECOMMENDATIONS

was 5 days. Mortality rate was 38,2%. Most patients risk for shock, respiratory compromise or organ failure may improve outcomes. Early recognition of organ failure and

shock with aggressive management through early referral and PICU admission may benefit these patients. inotrope requirement were associated with Keywords: pediatric cancer. PICU. outcome

ratio of 1:0.88 with 72% having normal Number of 4.0324 to 160.09 0.007 6355.3 inotropes nutritional status. Main reason for admission was respiratory a tertiary children's hospital from 2017 to 2019 failure (31.9%) and median length of PICU stay Close monitoring and early surveillance of

RESULTS AND DISCUSSION