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Title: Effect of acinetobacter baumannii positive pneumonia on morbidity and mortality of patients

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Body: INTRODUCTION: Acinetobacter Baumannii has been observed to increase morbidity and mortality especially in critically ill patients. We conducted a study to evaluate its effect on patients admitted in Chest Medicine department that included ICU, HDU and General wing. METHODS: A retrospective study was conducted from June 2012 to Dec 2012. Sputum and tracheal secretions positive for Acinetobacter were included. The outcome of the patients were recorded. Our secondary outcome was to analyze the incidence in mechanically ventilated patients. RESULTS: 28 patients in ICU were positive for Acinetobacter in respiratory samples 26 were MDR and 2 were MDS. 18 patients were mechanically ventilated. 4 patients in HDU had positive samples 3 were MDR and 1 was MDS none were mechanically ventilated. 6 patients in ward were positive for Acinetobacter 4 were MDR 1 was MDS and 1 was pan sensitive. 65 % of the patients expired within the first 10 days of having positive samples it was also noted that most of them were mechanically ventilated. 45% of the patients who survived were never mechanically ventilated had MDS or pan sensitive strain. Although they survived the first ten days their hospital stay was prolonged and 25% of them expired later on. CONCLUSION: It was concluded that Acinetobacter increases the morbidity and mortality of critically ill patients especially those who are mechanically ventilated.