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POSTER PRESENTATION

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The current pathogens and treatment of hospitalacquired pneumonia/ventilator-associated pneumonia in medical intensive care units

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Introduction

Because of increasing prevalence of multi-drug resistant (MDR) pathogens, there are many difficulties in the treatment of hospital-acquired pneumonia (HAP)/ventilatorassociated pneumonia (VAP). It is known that patients with MDR pathogens have high mortality and morbidity. We need to know the current status of pathogens and antibiotics therapy for a proper choice of initial antibiotics to improve outcome of the patients.

Objectives

This study was aimed at investigating the current pathogens and treatment of HAP/VAP in Korean ICUs. Methods A prospective, multicenter and observational study was conducted in six tertiary referral hospitals in Korea between August 1, 2012 and July 31, 2013. This study included patients who were admitted to adult medical ICUs with diagnosed as pneumonia developing at least 48 hours after admission or initiation of mechanical ventilation. We analyzed the prevalence of their pathogens, and treatment and clinical courses of these patients.

Results

During the study period of 12 months, total 134 patients with HAP/VAP were enrolled. Mean age was 65 with 103 (77%) males. Forty-seven (35%) patients had risk factors of MDR pathogens. The duration between admission and diagnosis of pneumonia was 12 days (IQR: 7-22 days). Most of patients (86%) underwent mechanical ventilation. Pathogens were identified in

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Conclusions

This study demonstrates that carbapenem-resistant A. baumannii is the most common MDR pathogen in Korean medical ICUs. It shows that there is a discrepancy between the common MDR pathogen and the choice of empirical antibiotic therapy.

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