

## Abstract

SG-iSRRS1056

Outcome of Hospital-acquired pneumonia after postoperative patients activated by medical emergency team.

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### Objectives:

Postoperative pulmonary complications, such as pneumonia, are a major cause of morbidity, mortality, prolonged hospital stay and high costs of care. However, there are less research for outcome of postoperative pneumonia patients activated by medical emergency team (MET). The aim of this study was to evaluate the outcome of postoperative pneumonia patients activated by MET.

### Methods:

It was a retrospective cohort study of postoperative pneumonia patients activated by MET in general ward from January 2016 to December 2017. We compared postoperative pneumonia patients activated by MET with non-operative pneumonia patients activated by MET.

### Results:

This study included total of 724 patients, comprised 90 with Hospital-acquired pneumonia (HAP) and 634 controls. After MET activation of HAP patients, ICU transfer was 50 patients (55.6%) and ward observation was 40 patients (44.4%). The median (IQR) Hospital days were 40 days (24-70). The 28-day mortality was 16 patients (17.8%), hospital mortality was 21 patients (23.3%).

### Conclusions:

HAP after postoperative develops small % of patients but shows high mortality activated by MET.