

## Abstract

SG-iSRRS1073

Efficacy of Emergency Medical Team in Tokyo Women's Medical University Hospital

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### Objectives:

Tokyo Women's Medical University Hospital located in central part of Shinjuku ward, Tokyo, has 29 departments and 1379 beds. It is one of the largest hospitals in Japan. Our department of critical care and emergency medicine is in charge of emergency calls for medical assistance. For evaluating our activities as METs in university hospital, we analyzed the data of METs from Apr. 1st, 2017 to Mar. 31st, 2018.

### Methods:

We checked time, age and sex of the patients, condition (CPA or non-CPA), inpatient/outpatient, primary illness, outcome (ROSC or not) from the data of METs' activities. Data was statistically analyzed.

### Results:

Forty one cases (32 men, 9 women: age range 22-92 years [mean 63.0]) were studied. Of 41 cases, there were 25 CPA and 16 non-CPA. Ten ROSC cases and 15 non-ROSC cases were in 25 CPA. In 10 ROSC cases, time from CPA to ROSC was from 1 min. to 25 min. (mean 13.2 minutes). There was a significant difference of primary illness whether malignancy-related patients or no malignancy between ROSC and non ROSC cases ( $p=0.023$ ). There were no differences in age, sex, inpatient/outpatient and the time of MET arrivals between ROSC and non ROSC. Non-CPA cases were 16, consequently transient ischemic attacks (TIAs), anaphylactic shocks for medicines and contrast agents, and epileptic seizures. No mortal outcomes were in those cases.

### Conclusions:

In our hospital, everyone can call for METs for help in 24 hours a day, 7 days a week. The criteria for the calls are disturbance of consciousness or/and pulmonary and cardiac deterioration. The outcome of CPA related to the primary illness, although they required METs in university hospital.