

中文題目：高雄地區到院死亡研究

英文題目：DEAD ON ARRIVAL STUDY IN KAOHSIUNG AREA

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Objectives : Dead on arrival (DOA) is a distressful situation for most medical personnel and families. There are few papers about this topic in Taiwan though most DOAs are unexpected and sudden with or without underlying disease as predisposing factors.

Methods : 487 DOA patients were sent to 4 large hospitals in the Kaohsiung area (including Kaohsiung City and Kaohsiung County) in one year. A retrospective study was carried out through questionnaires.

Results : The incidence was 0.22%, the male to female ratio was 2.25, and the largest age group was 61 to 75 years old. Most patients were sent to nearby hospitals and sent by non-medical personnel with non-ambulance motor vehicles. It is hard to define the exact time from arrest to arrival at the hospital, but the initial cardiac rhythm was mostly as asystole. Only 1.44% of DOA patients survived and only 9.24% responded to resuscitation. About 31.42% of patients had no evident cause of death, 40.04% non-trauma deaths, and 28.54% trauma deaths. Most of the underlying diseases were treated regularly by medical specialists if past history could be traced.

Conclusions : Though our emergency medical service system (EMSS) has been active since 1990, there are still several drawbacks. Public education of cardiopulmonary resuscitation, easy access to EMSS, and appropriate management in hospitals must be stressed. With the improvement of prehospital care, EMSS, and in-hospital care, there will be a decrease in DOA patients.