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Emergency Medicine System in Japan

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Emergency Medicine System in Japan


- Emergency call centre : **119**
(free call)
- Operator is **paramedic**
- fire department has ambulance
- Fire department :
paramedic, rescue , fireman
(government employee)
- Average of arrival time : **8.2**
minutes



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Competency of paramedic

- 3 paramedics in each ambulance
- Triage, transportation
- Follow an instruction of doctor, they can do the Emergency Medical Treatment in case of CPR (intubation, intravenous drip, medication,)
- Will be expanded
measure glucose level
dextrose solution
intravenous drip for shock patient



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To dispatch the medical team (doctors and nurses) to the emergency spot as soon as possible.



Doctor Heli : 43




- Doctor car : 34 hospital total 152

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Emergency system

ER- style
Multi-Specialty system

Categorized into three levels



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ER-style system

- Emergency doctor take care of patients, regardless of their conditions
- Work in patient = first the nurse assess urgency of their conditions (reality: receptionist do triage.
Problem: misdiagnosis, under triage)
- The patient who come with ambulance = Emergency doctor and nurse start the assess urgency of their conditions
- When the patient require hospitalization, they are referred to different departments by ER doctor

Multi-Specialty system

- The doctor of emergency is staffed with physician specialists from different departments.(Internal medicine, surgery, cardiovascular...)
- Each department assigns one or more physicians to attend the emergency department. In this system, an intern(doctor) or a nurse assess the patient first, (problem : misdiagnosis , under triage)then assigns the patient to a particular department

Categorized into three levels

- **Primary emergency care**
represents care provided to patients with low-acuity conditions who can be safely discharged home.
- **Secondary emergency care**
represents care provided to patients with moderate-acuity conditions who require admission to a regular inpatient bed.
- **Tertiary emergency care**
represents care provided to patients with high-acuity conditions who require admission to the intensive care unit.

Emergency nurses competency

- 3 type : general , certified nurse, certified nurse Specialist
- competency:
 - Certified Nurse** : triage, BLS,ACLS, family care, research , disaster
 - Certified Nurse Specialist** : in addition the competency of Certified nurse →management, coordination , education, research,
 - general nurse : not specific training , empirical or self-study we cannot do intubation , DC, even if the specialist

Emergency nurses competency

- Nurse competency →to provide the medical treatment or assist in medical care based on the assessment of patient condition as a professional
- In Addition
 - **Assessment capacity from less information**
 - Predictive capability**
 - knowledge of various department, medical equipment**