Emergency Medicine System in Japan

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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
  - intravenous drip for shock patient

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

- Doctor car: 34 hospital total 152
- Doctor Heli: 43

Emergency system

- ER-style
- Multi-Specialty system

Categorized into three levels

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
• 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.

- 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