Emergency Medical Service System in Japan

Noriyoshi Ohashi MD
Teikyo Heisei Univ. PARAMEDIC School
Ichihara, JAPAN
JAPAN
Anglo-American Emergency Medical Services System
The patients is brought to the doctor

GERMANY
Franco-German Emergency Medical Services System
The doctor is brought to the patient
History of E.M.S.S. in Japan

• 1963   The Fire Service Act. Pre-hospital emergency medical service was defined as mission of fire department in each community area. (City, Town, Village)
1960’s in Japan

Improvement of economic situation after the 2\textsuperscript{nd} World War

- increasing in number of cars
- Construction of High Ways
- increasing in number of traffic accidents
History of E.M.S.S. in Japan

• 1963   The Fire Service Act. Pre-hospital emergency medical service was defined as mission of fire department in each community. (City, Town, Village)


• 1992: The Emergency Life-saving Technicians Act
Why did Japan choose the Anglo-American system

- Patient transportation system had been established all over Japan.
- It was impractical to dispatch physician to every fire department headquarter all over Japan.
Fire Department in Japan

- Emergency Call
  - Fire 119
  - Police 110
  - Coast guard 118

- Fire fight, Rescue, Pre-hospital Care
- All fire department personnel are civil servants.
- Fire department budget is funded by tax.
Guten Tag !
Education/Training of emergency medical personnel

- s-EMT 3 mo. Education/Training
- ELST 2 yr. Education/Training
  + National Exam.
  5 yr. s-EMT
  + 6 mo. Education/Training
  + National Exam.
- Nurse 3 yr. education + National Exam.
- Physician 6 yr. + National Exam.
Present Situation of E.M.S.S. in Japan 2011

- Headquarter of fire department: 798
- Ambulance: 4,927
- Emergency medical technician: 59,650
- Patient transported per year: 4,982,512
- Response Time: 8 min.
  (emergency call to arrival at scene)
The severity of transported patients
4,982,512 in 2010

- **Severe (10%)** (life threatening)
- **Moderate (40%)**
- **Mild (50%)** Without hospitalization
Emergency Hospitals in 2008

Total number of hospitals  8794

Emergency Hospital 3732

Emergency Hospital with Advanced Emergency care Center 200
Emergency Hospital in 2008

Total number of hospitals  8794

Emergency Hospital

Emergency Hospital with Advanced Emergency care Center
Some Topics of Emergency Medicine in Japan
Transported Patients by age
4,982,512 in 2010

- Under 5 years: 5%
- 6-19 years: 4%
- 20-64 years: 40%
- Over 65 years: 51%
Thank you for your attention