DEVELOPMENT OF EMERGENCY MEDICINE IN THE CZECH REPUBLIC - 2017

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HISTORY OF PREHOSPITAL CARE IN CR

- 1798 – „Society for rescue of seemingly dead people or persons being in acute danger of death“
- 27. 11. 1857 – „Prague Voluntary Safeguard Association“ – this date is the date of establishing the EMS of the Capital Prague
- 1970 and later – EMS system based as a part of ICU/CCU
- 1987 – the first helicopter in Prague
SYSTEM OF EMERGENCY CARE IN THE 21st CENTURY

- Health care system – based on obligatory insurance
- Emergency Medical Services nowadays
  - 14 regional EMS including dispatch
  - Multilevel response – paramedics in ambulances and physicians in rapid response teams
- Emergency Departments – cca 25
- Specialised centered care
  - Trauma and burn centers
  - Cardiocenters
  - Srtoke centers
- Legislation
  - national level since 2011
EMERGENCY MEDICAL SERVICES

10 HEMS BASES

14 REGIONAL EMS SYSTEMS
EMERGENCY MEDICAL SERVICES IN NUMBERS

Number of EMS stations

Number of teams on duty
PATIENTS TREATED BY EMS SERVICES IN CR
- mainly low priority runs’ increase
EMERGENCY DEPARTMENTS
- approximately 25 ED in 2017, the only one is paediatric ED, definition of ED stated by Ministry of Health, reimbursement by insurance agencies not approved yet
TRAUMA CENTERS AND BURN CENTERS IN CR
### LEGISLATION

- **Act No 372/2011** – Health care services
- **Act No 374/2011** – EMS
- **Act No 95/2004** – Doctors’ postgraduate education
- **Act No 239/2000** – Integrated Rescue System
- **Act No 240/2000** – Crisis preparedness
DISASTER MEDICINE AND CRISIS PREPAREDNESS
(guidelines by scientific society including triage tag)
EDUCATION - PHYSICIANS

670 working in emergency care, 470 specialists, 75 + 120 residents

• Postgraduate
  • Supraspecialisation 1998
  • Basic 2004 – 2010
  • „Certified course“ – 2010 – 2013
  • 2013 – BASIC - University based

• Continual medical education
  • Congresses, courses including ALS, ATLS, PHTLS, PALS....

• Pregraduate
  • Voluntary versus obligatory
  • Courses and competitions for medical students and young doctors
SCIENTIFIC SOCIETY
within Czech Medical Association JEP

• Society for Prehospital Care and Disaster Medicine – established 1994, the name changed into Society for Emergency and Disaster Medicine

• Specialty, education, congresses, guidelines and standards of care, legislation, sections...
  • SECTION FOR DISASTER MEDICINE
  • SECTION OF YOUNG DOCTORS AND MEDICAL STUDENTS
  • PARAMEDIC SECTION
  • WORKING GROUP FOR HELICOPTER EMS
  • WORKING GROUP FOR EMERGENCY ULTRASOUND
SCIENTIFIC SOCIETY
EDITED GUIDELINES

CARDIOPULMONARY RESUSCITATION
TELEPHONE-ASSISTED CPR AND TELEPHONE ASSISTED FIRST AID
MAJOR TRAUMA
IDENTIFICATION OF STROKE PATIENT ELIGIBLE FOR RECANALISATION
QUALITY CONTROL OF DISPATCH MANAGEMENT
MEDICAL CARE IN MASS GATHERINGS
INDICATIONS FOR HEMS ACTIVATION
PREHOSPITAL AND IN-HOSPITAL DISASTER MANAGEMENT
ACUTE CORONARY SYNDROMES

MULTIDISCIPLINARY GUIDELINES:
LIST OF ANTIDOTES
PALLIATIVE CARE
PREHOSPITAL MANAGEMENT OF BURNS
DIAGNOSIS AND THERAPY OF CO POISONING