

Update on the progress of PAROS study

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Vietnam



**Vietnam size: 332 km²
Population: 90 millions
Road system: 221,000 km**

Vietnam EMS

- EMS just modestly meets 20% of demand of emergency service.
- Out of hospital cardiac arrest is a challenge due to slow response and poor community awareness.
- It is estimated that there are approximately 500 calls for cardiac arrest in the big cities.

Objectives

Understanding of the clinical characteristics, how EMS response as well as outcomes of the dispatch response will be very important for strategy to develop and improve the EMS in Vietnam.

Method

- We plan to collect data relating to out of hospital cardiac arrest in one year from three biggest hospitals in Vietnam.
- The estimated number: 250
 - ✓ 100 from Bach Mai and Cho Ray Hospital
 - ✓ 50 from Hue Central Hospital.

Study participants



Bach mai hospital



Bach mai hospital

- Established: 1911
- No 1 hospital in Vietnam
- Total number of bed: 2200 (3700 in 2017)
- Total number of inpatient: 10000
- Total number of outpatient: 5000/day
- Emergency patients (medical ED, surgical ER, pediatric ER): 100,000 – 120,000 cases/year

Study progress

- Total cases: 73 OHCA (1 year)
- Mean age: 60.7 (min 22, max 99)
- Male: 49/73 (67%)
- Transport: EMS (6/73); private ambulance (9/73)
- Outcomes: discharge alive (1/73)

Thank you