

Recognition of Arrest Patients and Application of Basic Life Support by Bystanders in the Field

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Abstract : Objective: Th Recognition of arrest patients and application of basic life support (BLS) by bystanders in the field and the activation of emergency serves were evaluated in present study. Methodology: The present study was carried out by Emergency Department of Medicine Faculty of Gaziantep University at 33 of Emergency Health center in Gaziantep between December 2012- April 2014 prospectively. Of 539 arrested patients, 171 patients were included in study. Results: 118 (69%) male, and 53 31(%) female with a totlay of 171 patients were included in this study. Of patients, 32.2% had syncope and 24% had shorth breathing just befor being arrested. The majority of arrest cases had occured at home (61.4%) and rural area (11.7%) respectively. Of asking help, %48.5 were constructed by family members. Of announcement, only 15.2% occurred within first minute of arrest. The BLS ratio that was applied by bystanders was 22.2%. Of bystanders, 47.4% had a course experience of BLS. The emergency serve had reached to the field with a mean of 8.43 min. Of cases, 55% (n=94) were evaluated as exitus firstly bu emergency staff. The most noticed rythim was asystol (73.1%). BLS and advanced life support (ALS) were applied to 98.8% and 60% respectively at the field. 10.5% (n=18) of cases were defibrilated, and 45 (26.3%) were intubated endotrecealy. The majority (48.5%) of staff who applied BLS and ALS at the fied were emergency medicine technicians. CPR was performed to 86.5% (n=148) cases in ambulance while they were transported. The mean arrival time to mergency department was 9.13 min. When the patients arrived to ED 15.2% needed defirlitation. 91.2% (n =156) of patients resulted in exitus in ED. 15 (8.8%) patients were discharged (9 with recovery, six patients with damage). Conclusion: The ratio of inntervention for arrest patients by bystanders is still low. To obtain a high percentage of survival, BLS training should be widened among the puplic especiallyamong the caregivers.

Keywords : arrest patients, cardiopulmonary resuscitation, bystanders, chest compressions, prehospital

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