
a study of multiple trauma associated with head injuries

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This series surveys the patients received at Benha Teaching Hospital over a period of six months from the beginning of July to the end of December 1982, who sustained cerebral injuries with other trauma or traumata: 1) The total number of the studied cases was 130 patients, all of them were diagnosed to have "post concussion state" in addition to other trauma or traumata. 2) Males constituted 72,31% (94 cases), and females constituted 27,69% (36 cases). 3) The seasonal incidence was higher during December and was lower in July and August 1982. 4) The highest age incidence range (21-30 years) (30,77% of the cases). 5) Accidents constituted the majority of cases 67,69% (88 cases), criminal assaults were in 41 cases (31,54%), and only one case of self-extermination. 6) The incidence of injuries was 2,6 injuries per patient. 7) Road accidents were the causes of injuries in 37,69% of the all cases. 8) Most of the patients had only two injuries (head injury and another body trauma) (54,62% of the cases). 9) The most frequent injuries were scalp and facial injuries, skull fractures, lower limbs fractures, upper limbs fractures, chest injuries, wounds of limbs, abdominal injuries and spinal injuries, in that order of frequency. (Table V). 10) The mortality rate was 20,76% (in 27 cases). 11) Skull fractures constituted 51,85% of fatal cases (14 cases), and it seemed to be the major cause of death in this series, followed by chest injuries, scalp and facial injuries, and abdominal injuries. 12) The association of chest injuries, abdominal injuries or pelvic fractures with head injuries was a grave condition. 13) -Finally, we recommend a better archives and notes recording system, and a national side improvement in the ambulance and emergency care system.