

SUMMARY AND CONCLUSION

The Present study has aimed to throw light upon deaths due to traumatic heart injuries from the medico-legal point of view.

*** To fulfill the aim of this work, we have:**

- (1) Reviewed the literature related to cardiac injuries where we looked into the type of heart trauma and cause of injury , the Causative Agent (Impalement), the mechanism of injuries, the different types of injuries that occur in the heart and the great vessels, the manner of death due to cardiac Trauma and lastly the medico-legal autopsies of the heart.
- (2) Studied and analyzed the available reports of the cases of cardiac injuries that had been referred to the morgue of Cairo during the period 1996 – 2000. In each report we've concentrated upon the following information. (The age, gender, type of trauma whether blunt or penetrating, the causal instrument, main cause of injuries, wounded chamber, Mechanism of death, place of death (Post injury survival time), and lastly the manner of death.

*** The result of the study have showed that:**

- (1) Incidence of cardiac injury have constituted (183) 7.5% of all cases (2, 410) that were dissected in the same period of the study.
- (2) The mean age of the cardiac injuries victims was 29.7 years.
- (3) Male represent 167 (91.3%) of 183 cases whereas female represent 16(8.7%)cases.
- (4) Penetrating trauma constructing 171 (93.4%) whereas blunt trauma case have constitute 12 (6.6%) of all cases.
- (5) The causes of cardiac injuries were:
 - * Stabbing 140 (76.6%).