Medico-Legal aspect Investigations of the Booing 727 near ouromeiy airport in Iran

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Introduction: The medico-legal aspect of investigations and identification after the air crash of the Booing 727 near ouromeiy airport in Iran. The investigation and identification team comprising investigators from the forensic pathologists, odontologists, police and medico legal doctors from Legal Medicine rapidly recovered and identified 78 of the victims, with 27 Serious Injuries that find by search and rescue team and transfer to hospital.

Methods: Casualties classified in to four categories, immediate care, delayed care, minor care, deceased and did initial triage. The body undressed and searched, examination and got information. Identification techniques for the victims based on Documents, Clothing, Jewellery, Medical finding, Tattoos, X-ray, Dental identification, Exclusion, Visual, through fingerprints, and through DNA typing. Full autopsies were performed on all fatalities to determine patterns of injury and cause of death.

Results: Guide us to point out the importance of a multidisciplinary team of medico legal practitioners especially trained for managing medico-legal investigation in mass disaster and the ability of identification techniques, dental identification, fingerprints and DNA technology to solve complex identification problems.

Discussion and Conclusion: A disaster such as an aircraft accident raises legal problems. The identification of the victims is essential from the humanitarian point of view so that families may be able to begin mourning, from the legal point of view to establish the death certificate with or without a corpse, and from the investigators’ point of view for the reconstruction process with legal and administrative investigations. The goals of the medico-legal team are to identify the victims and the cause of death, to report the patterns of injury, to look for the presence of intoxicants or evidence of explosives and/or firearm injuries and to determine the time of death. The success of the identification operations of the victims after an aircraft accident such as the crash of the Booing 727 of IR.IRAN depends on the use of perfected techniques as well as on a multidisciplinary team.

Keywords: medico-legal investigation, death investigation, victim identification, pathology and autopsy, air craft accident.