

PREPARATION OF HUMAN SIZE DUMMY AND PERFORMING THE DUMMY EXPERIMENT AT THE SCENE OF INCIDENT IN THE CASES PERTAINING TO SUICIDE HOMICIDE AND ACCIDENT CASES

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Abstract

To reconstruct the scene of the crime using a human-size dummy in the cases of homicide, Suicide, Accident is very useful to ascertain the sequencing of incidence and to find out the apparent cause of incidence. To perform the dummy experiment will yield a fruitful outcome if there is no eyewitness or any visual of the incident. The authors describe various steps for making the human size dummy and perform the dummy experiment on the spot in the cases of suicide and homicide to describe some actual cases.

Key Words- Suicide, Homicide, Accident, Dummy, Scene of incident, Dummy.

Introduction-

Oftenly Investigating agency it's challenging in the cases to find out the cause of the death of a human being falling from a height. Where there is no eyewitness or no eyewitness come forward for telling the incident. Therefore, the only solution remains that the dummy experiment is required by an expert to find the probability of the incident(J. K. Mason, 1999; Kleespies, 2016; P.C.Dikshit, 2007).

Methodology-

How to prepare a human-size Dummy?

For preparing the human size dummy one has to be required to a real skeleton of the same size and dimension as of the deceased. The material used for the dummy making are steel wire, waste cycle rubber tube, spring, plaster of Paris, jute rope, stand, wax, flexible spring various dimension, paint, spring-type weight machine, etc. the various step involved for making human-sized dummy are depicted below (figure 1)(Anderson et al., 2007; Dogra T.D, Chandra J, 1982)



Figure 1 showing the preparation of human size dummy

Step and requirement for dummy experiment

The following methods are carried out during the dummy experiment and the fact

1. To inspect the site of an incident and various measurements like the height of the high rise building, photograph of the deceased at the time of the incident.
2. The Distance of the deceased where he was found and its distance from the building.
3. The direction of the head and feet.
4. The Demarcation of the body at the time of the incident of the deceased.

Dummy Experiment Procedure: -

The dummy was taken at the suspected sites and repeated again and again throw in suicide homicide and accident mode by an expert and various measurements and directions were made in each step. As well as the injury on the dummy was be noted in each fall as shown below in actual different cases.

Case Study-1.

A very senior IAS officer in the rank of joint secretary was working in the ministry of coal and mines Government of INDIA. His office was situated in NIRMAN BHAWAN the 4th floor NEW Delhi. He was dealing with various sensitive files pertaining to the department. One Sunday, He called his driver along with an official vehicle at his residence as he had to go to his office for urgent official work. He came to the office at about 11 o'clock and went to his office living behind his driver and ask him to bring all the official files to his office. The driver along with the file went to his office and he found that the office was locked. He sits down in front of the office and he keeps waiting for the boss. After half an hour pass the surge his boss direct corridor, but he couldn't find him, while he was moving through corridor he saw a glass window was opened he piped through the window and saw his laying in the ground. He hardly comes down from the spot and saw him lying on the ground unconscious. He immediately called the police and intimate the incident to the higher official and the family members. The police came and taken him to the hospital and doctors declared him

broad dead.

The incident was not seen by anyone as it was a holiday no one has seen him falling from the window. Since he was a very senior officer and dealing with a very sensitive file. The family members and IAS association doubt of foul play in the incident. The case was immediately referred to the premier investigating agency India and the spot was inspected by the forensic Expert. Since there was no eyewitness so a dummy experiment was required to ascertain the cause of death. A real human dummy was prepared and a dummy experiment was performed on the site. Repeated through the dummy in suicide and homicide mode. Prior to performing the dummy experiment on the body of the deceased, a demarcation was made on the spot where the deceased of the body was found to be dead at the time of the incident. The other homicide fall of the dummy was found away from the actual fall of the deceased as shown in the Figure 2(Masud & Morris, 2001; Murthy et al., 2012). The injuries caused in the dummy in a suicide mode were found to be correlated with the post-mortem report. Therefore, it was concluded that it could be a suicidal fall from the 4th floor.



Figure 2 showing the homicide fall from NirmanBhawan

Case Study-2

One of the female family members, of a reputed family was found lying dead in the vicinity of a five-star hotel at about 1 to 2 AM. The body was taken to the hospital and she was found dead. The doctor found an injury in her back middle portion and it was assumed that someone has stabbed the lady from the backside and from the top of the roof of the hotel. There was no eyewitness found and the investigating agency requested an expert to perform the dummy experiment at the site to know the truth. A Life site dummy was prepared and a dummy experiment was performed at the site. As shown in the Figure 4.

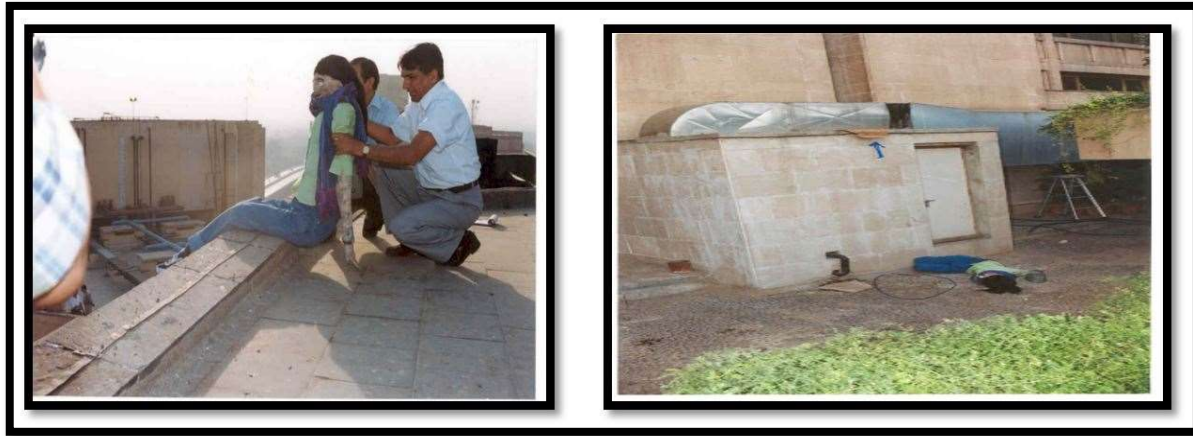


Figure 3 Showing the Suicidal fall from Five star hotel

The dummy form in suicidal mode was found to be at the same place where the deceased body was found to be lying at the time of the incident as shown in the Figure 3. The dummy was inspected a stab type injury was found at the same place backside. It was ascertained that the injury on the backside of the deceased resulted due to the projection from the room situated near the incident as shown in the figure 3 (Elisabeth E. Turk and Michael Tsokos, 2004). So it concludes that she might have made suicide falling from the roof of the five-star hotel.

Case study 3

A female infant (newly born baby) was found lying dead at porch in early morning of a very reputed maternity hospital. In this case mother of the Victim side stated that at the midnight the child was continues to wiping and she taken her in the corridor of the hospital and lean on the wall on the 4th floor corridor. the mother of the victim has already for female child. the police interrogated the police doubt on the story of the mother and police requested to conduct a dummy experiment and dummy experiment conducted (Figure 4) and found that it's not an accident fall and it's a case of homicide.



Figure 4 showing the Experiment of dummy at crime scene(civil hospital)

Case study 4

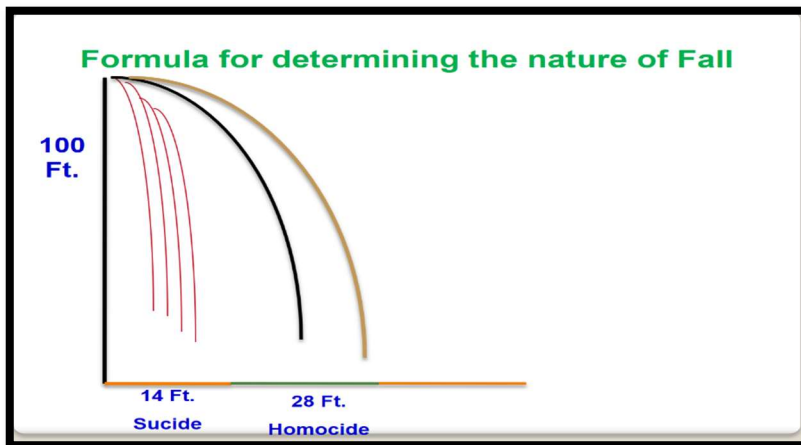
A very senior officer from Bhopal development authority was found dead near the railway track at midnight. He was carrying some official document required by apex court at Delhi. No one saw him falling from the train. The case was investigated by CBI to find out the cause of the incident. A dummy experiment was carried out on the same place using the moving train. In this case two human size dummy was prepared and dummy was thrown from the two door of single coach of the train on the same speed. The two separate dummy in a homicide mode and suicide mode. The dummy which was thrown in homicide mode found to be at the near the railway track. The dummy which was thrown in accident mode was found to be lying at the same place where the body of the deceased was found.



Figure 5 showing the dummy experiment that conducted in moving train

Conclusion-

On the basis of the dummy experiment that is carried out by the author in different cases such as suicide, homicide and accident case it was interpreted that, if a body was found within 14 ft. from the base of the building under the 100 feet height it is assumed that this is the case of suicide. Additionally, if the body was lying behind the 14 feet, it was assumed that it was the case of homicide. Further, if the body is found within 2 feet from the base of the building, it is considered to be a case of accident.



This formula was applied in many cases of suicidal/ homicidal and accidental in nature. The formula

was found very successfully in many cases. The condition the fall from the height should be a free fall and there is no obstacle in the fall of the body.

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