Introduction

Every year, thousands of people lose their lives due to road accidents. The shocking state of road safety is a cause of concern as it not only devastates the family of the deceased, but also puts enormous financial burden on the national resources. The road accident deaths put a burden of more than US $518 on the international economy. India reports one accident every minute and one death every four minutes due to road accidents. Most of these accidents occur as a result of collision between vehicles or structures present on the side of roads. However, some cases have also been reported where the accidents take place due to entrapment of loose clothing in wheels of the vehicle and consequent fall on roads. The authors present an uncommon case from this part of India where a female lost life due to her negligence.

Case report

A 45-year-old lady was travelling as a pillion rider on a motorcycle. Suddenly her dupatta got entangled in the spokes of the rear wheel of the vehicle and she fell on the road and sustained injuries. This article illustrates the seriousness of wearing loose clothing while riding two wheelers and endangering of lives. In addition, the authors suggest suitable remedial measures to address the ignored aspects of road safety and their importance in preventing morbidity and mortality in developing countries.

Autopsy findings

The Indian law require medicolegal postmortem in each and every case of unnatural death and hence dead body was shifted to the mortuary of the institute. On the external examination, the length of the dead body was 151cms and weight 59kgs. The rigor mortis was present all over the body. Postmortem staining was present on the back of body except pressure areas and was fixed. A reddish brown abrasion of 10cmsx1cm was present obliquely over the front of neck, 1.5cm below the thyroid cartilage and moved obliquely backwards and upwards in the direction of the right lateral side of neck and ended 4cm below the right pinna (Figure 2).
III. Multiple bluish contusions of varying sizes and shapes were present on the front of chest and both breasts.

IV. A bluish contusion of 4cms x 3cms was present on the anterior lateral aspect of left thigh, 8cm below the right anterior superior iliac spine.

V. A bluish contusion of 3cm x 4cm was present on the front of left knee.

VI. A bluish contusion of 3cm x 2cm was present on the front of right knee.

Figure 2 Injuries on the body of deceased.

There was subaponeurotic hemorrhage present over the occipital and both parietal regions. On internal examination, the brain weighed 1240grams. On dissection, the occipital region on the right side was lacerated. The subdural and subarachanoid hemorrhages were present over both frontal, both parietal and right temporal regions (Figure 3). The base of brain contained about 90cc of fluid and clotted blood. The cause of death in this case was given as cerebral trauma as a result of accidental fall which was sufficient to cause death in the ordinary course of nature.

Figure 3 The findings in the brain.

Discussion

The dupatta is a long scarf and is worn over the head by women. It is a loose piece of cloth of about 2 to 2.5mns and forms a part of traditional attire in India. The loose clothing has a greater chance to get entangled and become a means of injuries. The association of such loose clothing in sustaining injuries has been documented in literature.\(^3\)\(^-\)\(^6\) In addition, the absence of safety gears is also known to increase the incidence of severe injuries. This issue is of particular significance to Indian women as it is not mandatory for them to wear helmets in many parts of the country. Consequently, the safety issues largely remain unaddressed. In the past, women members of a particular community in North India protested against making the wearing of helmet compulsory as they tie their hair over the head and cannot thus wear helmets. As religious freedom is a big issue in India, women were ‘spared’ of the compulsion of wearing helmets. But many studies have suggested that the absence of helmets is likely to increase the morbidity and mortality from head injuries.\(^7\)\(^-\)\(^8\) In most of these cases, head injury remains the leading cause of death in two wheeler accidents.\(^9\) The authors believe and advice that those who do not tie hair over the head should be encouraged to wear helmets and all road safety laws should be strictly enforced. The enforcement of laws has not been up to the mark in India.\(^10\) In the present case, injuries were sustained as the dupatta of the victim got entangled in the spokes of rear tyre of the motorcycle and she fell on the road and lost her life due to consequent head injury. Such injuries and deaths can be prevented by avoiding loose clothing while driving. Additionally, a ‘cover’ or ‘guard’ over the spokes of the wheel can be provided to prevent such mishaps.

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Conflicts of interest

The author declares that there are no conflicts of interest.

References