

Title : An attempt to develop a pictographic scale to determine the reflection of aggression in assumed posture among motor bike riders: A concept paper

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Introduction:

Motor bikes are gaining popularity as a cost effective mode of transport among different cross sections of the society, easing communication in terms of time. It often empowers people to achieve occupational demands like targets and deadlines. It has already been established that the motor bike riders are already subjected to a variety of stressors like postural, physiological, psychological and environmental which cumulatively affecting their performance. Detailed study of Road Traffic Accidents (RTA) has penalised motor bikes as the most accident causing vehicle.

Methodology:

Variation in attitude toward riding has been observed among the necessity and passionate riders with the help of Driver Behaviour Questionnaire. The Bush Perry questionnaire has been used to evaluate the level of aggression among the motor bike riders. Extensive videography and photography was done in different roads and zones both inside and outside the city to identify the most frequently assumed and the most preferred postures among the motor bike riders.

Results:

A cogent relation between accident occurrence and stressors has been identified. A correlation between level of aggression and rate of accident occurrence among motor bike riders was also established. Aggressions often affect the posture assumed by the riders. The evaluation of awkward static posture assumed by riders reveals it to be an important contributory factor in the developed cumulative stress.

Conclusion:

The correlation between aggressions, assumed posture can be analysed by devising a pictographic scale based on the data collected. This will in turn help in aggression management among riders, which is extremely necessary in order to device remedial measures for accident prevention.