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Alcohol related injuries in emergency departments

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Background: Alcohol intoxication is a worldwide problem being easily available in addition to the fact that its users aren't aware of its detrimental effects on their health. This is in addition to the ignorance of alcohol users about its drastic role in the occurrence of different injuries being intentional or even unintentional to themselves or to others.

Objective: The current study aimed at: a- documenting the proportion of victims of non-fatal injuries with alcohol intoxication in a probability sample of emergency room patients .b- examining the context in which drinking had occurred prior to the injury .c- determining the association of patterns of drinking with injuries.

Methods: 500 injured victims attending the Emergency Department of Surgery at Govt. Medical College, Amritsar during the year 2016 were selected randomly. International Classification of External Causes of Injury (ICECI) was used to collect information from patients about their injuries and drinking pattern. Also The International Classification of Disease (ICD-10Y91) was implemented in the study together with Injury Severity Score (ISS) to access clinical signs of intoxication and severity of injuries respectively.

Results: Out of 500 tested cases, 156 (31.2%) reported that they had been drinking alcohol before their injury. 98 of them were males and 8 were females. Most of injuries were abrasions and contused wounds occurred due to hitting by blunt object during a fight in recreational areas.

Conclusion: There is correlation between alcohol consumption and injury occurrence together with direct correlation between the severity of injury and degree of intoxication.

Keywords: Alcohol; Injuries; Emergency; ICECI; ICD-10 Y91; ISS; Intoxication

Biography

Anil Batta is presently professor & Head with senior consultant in Govt. Medical College, Amritsar. He did his M.B.B.S. and M.D. in Medical Biochemistry from Govt. Medical College, Patiala in 1984 and 1991, respectively. His research interest is mainly in clinical application especially cancer and drug de-addiction. He has supervised more than 30 M.D., M.Sc. and Doctorate researches and published more than 150 international research papers. He is the chief editor of America's Journal of Biochemistry. He is also working as advisor to the editorial board of International Journal of Biological and Medical Research. He has been deputed member Editorial Board of numerous International & National Medical Journals of Biochemistry. He has also been attached as technical advisor to various national and international conferences in Biochemistry. He has been attached as hi-tech endocrinal, genetics and automated labs of Baba Farid Univ. of Health Sciences, Faridkot. He has chaired various sessions in the Biochemistry meets. He has been designated as member Editorial Board of various in US and other European Courtiers. He is also involved in various research projects at Govt. Medical, Amritsar. He has done superspecialization in Drug-de-addiction from PGIMER, Chandigarh.

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