

Effect of Alcohol on Blood Pressure of Abuser

Yamini Panwar

Guest faculty, Govt college, Namli, Distt, Ratlam

Abstract:

Present study aimed to examine effect of alcohol on blood pressure of abuser. For this Alcohol abuser of different age, gender were categorised in a group sample then through questionnaire and blood pressure measuring instrument blood pressure measured. Result showed Alcohol increases blood pressure of abuser

Keywords: Alcohol, Blood pressure

Introduction

Alcohol (ethyl Alcohol or ethanol, C_2H_5OH) from fermented grain fruit juice and honey have been used for thousand of years, fermented beverages existed and alcoholic drink used in early Egyptian civilization, in china around 1000 B. C, In India between 3000 and 2000 B. C in Babylon as early as 2700 B. C, in Greece and in south America Koob et al (1997).

In the sixteenth century, Alcohol (called spirit's) was used largely for medicinal purposes . Brower et al (2001)

Today, Alcoholic beverage are consumed regularly by most of the human societies in the world. However its abuse is a major public health problem in the world. In united states Alcohol abuse effects more than 20 million individual leading to loss of 100000 times annually. Leong et al (2021), McGinnis et al (1993)

Chronic exposure to Alcohol has profound effect on multiple system throughout the human body. Including the cardiovascular, gastrointestinal and nervous system E. Sheild et al (2004). Chronic Alcohol consumption has been shown to reduce total sleep time as well as quality Brower et al (2001)

Globally, the harmful use of Alcohol causes approx. 5.9 % of all deaths annually, and 5.1 % of the global burden of disease is attributable to alcohol consumption World Health Organization (2014)

Alcohol consumption can lead to serious psychological dysfunction as well as increased incidence of violence, intimate partner aggression and suicide. Foran et al (2008), Boles et al (2003), steer L, (2005)

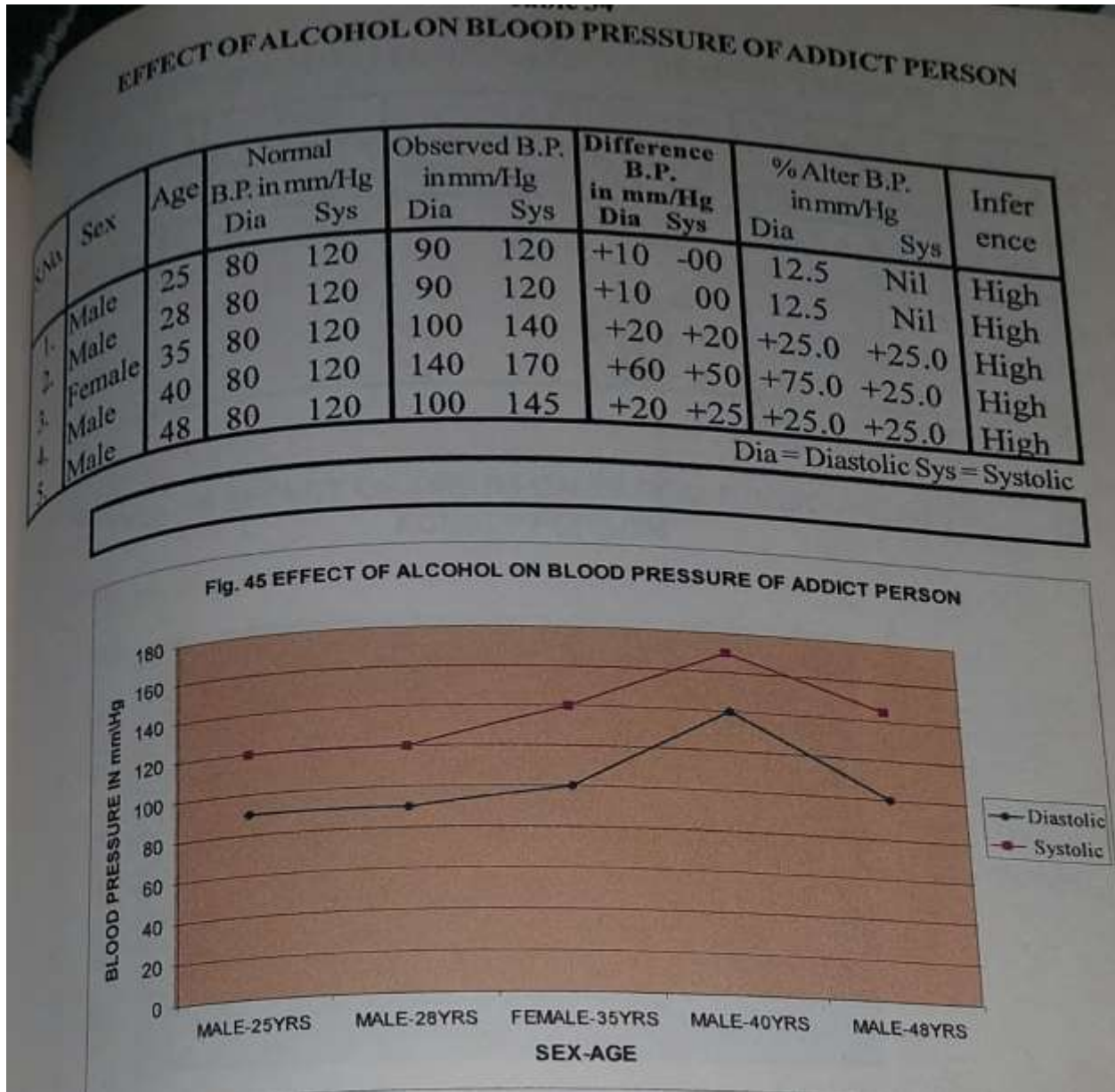
A cause and effect relationship between regular alcohol consumption and blood pressure elevation hypertension was first suggested in 1915 by Lian et al ((1915). Present study aim to study the effect of Alcohol on Alcohol abuser.

Materials and method:

Alcohol abuser of different age group categorised into 5 groups and then through questionnaire and by measuring blood pressure by blood pressure measuring instrument

Blood pressure of Alcohol abuser were recorded and tabulated.

Result



Observation

Normal blood pressure of human being is 80-120, Collected data in above table indicate that male person of age group 25 has Blood pressure ranging 90 – 120 means difference of diastole and systole bp is +10, -00,. Male person of age group 28 had Blood pressure ranging 90 – 120 means difference of systole and diastole bp is + 10, 00. Male person of age group 35 has Blood pressure ranging 100- 140 means diastole and systole bp difference is +20, +20. Male person of age group 40 has Blood pressure ranging 140- 170 means difference of diastole and systole bp is +60, +50. Male person of age group 48 has Blood pressure ranging 100- 145 means difference of diastole and systole bp is +20, + 25 respectively. This shows that Alcohol increases the Blood pressure of abusers.

Discussion

In this study we observe that Alcohol increases Blood pressure of abuser, similar result were shown by Dorothy et al, (1987), Street Drugs (2001), and sharma and verma (2003). This study also support previous finding of Clark et al, (1985), Lieber et al, (1998), Hussain et al (2006). Hussain et al (2014).

Conclusion

Alcohol which is the most abusing all over the world including India for a long time. In India from ancient time Alcohol abusing is the matter of standard in various society of India culture. Alcohol abusing is not limited to upper class only but also abused by middle and lower class of society and off course by people of various age group. (Male- Female) is generally not only abused Alcohol for entertainment or pleasure but also to avoid tension, worries etc. Alcohol for entertainment or pleasure but also to avoid tension, worries etc. Alcohol badly affect person health, social limit and economic status.

In this study we concluded that inspite of other health problem Alcohol increases Blood pressure of abuser.

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