

Effect of Opium on Blood Pressure of Addict Person

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Abstract

Present study aimed to examine effect of opium on blood pressure of addict person. For this blood pressure of opium abuser of various age group, gender were measured. Result obtained showed that opium decreases the blood pressure of abuser.

Keyword: opium's, blood pressure.

Introduction:

Opium is a crude material retrieved from papaver somniferum, which is a quite effective in the treatment of acute and chronic pain but also result in opium use Disorder (Aghadaroudi et al.;) Opium is a social and health problem in many countries (Maghsoudi et al 2012.; Safaii et al, 2010,) Opium mostly affects central nervous system but it can also affect the respiratory and cardiovascular system (Shirani et al 2010,) Among illegal substances opium and its derivative have been ranked second in terms of usage after cannabis in the world, in many Asian countries the use of opium enjoy a high social acceptance (Hamid et al, 2016)

Asia is the most important market for opiates (opium and its derivatives specifically heroin). Asia is the most important market for opiates and Asian countries have monopolized about two thirds of opiates market (United Nations office on drugs and crime, 2015)

Some Asians belief that opium could have positive impact on lowering of serum lipid, blood pressure,(Farhan et al, 2008,)

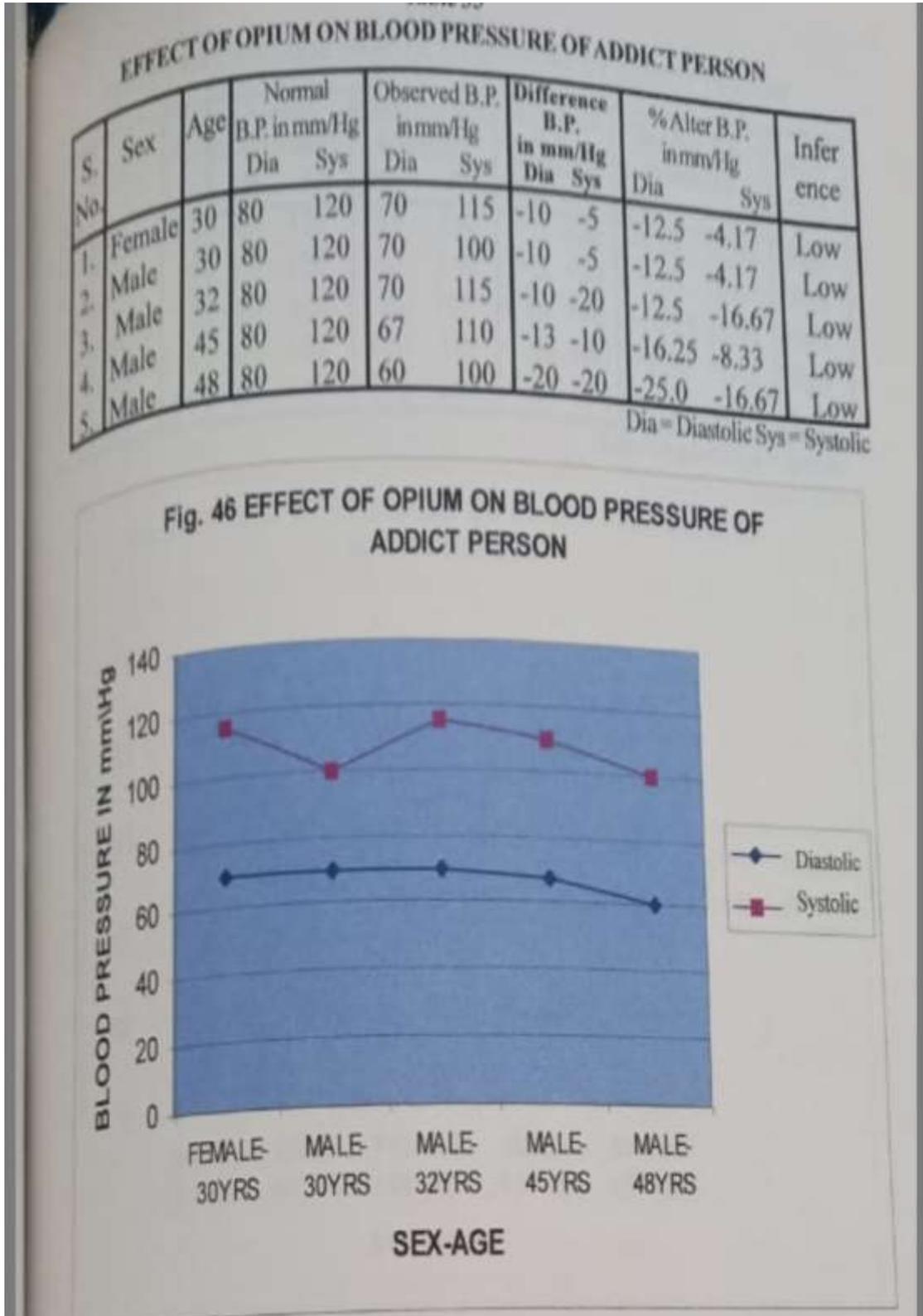
Is this ancient belief scientifically justified? Over the recent years many studies have been performed on humans and reviewed its effect on cardio vascular disease (Masodi kabir et al, 2013).

The objective of present study is to examine the effect of opium on blood pressure of abuser.

Materials and method:

25 Abuser of opium of various age were collected in 5 sample group and then there blood pressure were measured by sphygmanometer instrument. Data's collected and then tabulated

Result:



Observation

Collected data in above table indicate that blood pressure of female person of age group ranging 30 Has B. P 70 – 115 means difference of B. P diastole and systole is -10 and -5, blood pressure of male person

of age group 30 has B. P 70 – 100 means difference of diastole and systole is – 10 and – 5 Blood pressure of male of 32 years age has B. P of 70 – 115 means difference of diastole and systole B. P is -10 and -20, male person of age 45 has B. P 67 – 110 . difference of diastole and systole – 13 and – 10, male person of age 48 had has B. P 60 – 110 means diastole and systole difference is -20 and -20, Such data indicates that opium decreases the Blood pressure of abuser.

Discussion:

Present study showed that opium abused decreases the blood pressure of abuser. This finding supports previous work Of (Masoudi et al 2013), (Jouker et al 2010), (masoomi et al 2002, 2015,), Hamid et al., 2016.)

Conclusion

From above discussion we concluded that opium which is most second abused drug than tobacco, for recreation or as a medicine for relieving pain lowers blood pressure of abuser. This finding doesn't support traditional belief that this drug is of recreational value and used for medicinal treatment becoz it causes severe bad effects on blood pressure and other cardiovascular problems.

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Reference:

1. Aghadaroudi o, Eizadimoof N, Najarzadegan MR. Comparing cardiovascular factors in Opium abusers and non users candidate for coronary artery bypass graft Surgery. Adv Biomed Farhan, M. D mohammadi E, Ahmadi F, Maleki M, Hajzadeh E (2008) : cultural barrier in The education of cardiovascular disease. Patient in Iran int. Vrs Rev. 55, 360-366.
2. Hamid, Najapipor and Ahmed Beik (2016) : The impact of opium consumption on blood Glucose, serum lipid and blood pressure and related mechanism front physiol. 2016, 7: 438
3. Jaukar S., Najafiports H., Mirzaeupour F., Nasri H. R (2010) : The effect Of passive opium smoking on cardiovascular bodies of rabbits with normal and Ischemic hearts. Open cardiovascular Ned J. 4, 1 – 6, 10.
4. Masoomi M, Nadri H, Farajpur F, (2002) : Comparison of plasma fibrinogen level in Opium addict men with non addict Men. J kerman univ med. Science 9, 23- 31
5. Maghsoudi, B, Khademi S, Akhlagh S, Khosravi M, Azimati S, : Effect of Opium addiction On perioperative needs to inotropic agents in coronary artery bypass surgery: a case – control study:, Shiraj E Medi J 2012:, 13 (1): 5-12.
6. Masoud kabir F, Sarafzadegan N, Eisenberg MJ 2013 : Effects of Opium consumption on Cardiometabolic disease. Nat Rev Cardiol :, 10 (12): 733.
7. Moes: S A, Azdaki N, Kazem, T, Moghaddam H, Pastori N, Namid F : Effect of Opium use On cardiovascular mortality : a critical appraisal of a topic, J, public health 2019:, 48 (10) : 1937
8. Nakhaee S, Amirabodizadch A:, Qorbani M, Lamarine RJ, mehrpoor O (2020) : Opium use and Cardiovascular diseases, a systematic review and meta analysis. Crit Rev Toxicol
9. Safaii N, Kazemi B, (2010) : Effect of Opium use on short term outcome in patients under Going coronary artery bypass surgery. Gen thorac cardiovascular Surgery. 2010, 58 (2): 62-7

10. Shirani S, Shkiba M. Soleymanzadeh M, Estandbod M (2010) Can Opium abuse be a Risk factor for carotid stenosis in pateints. Who are candidates for Coronary Bypass grafting? Cardio J. 17 (3) : 254- 8
11. United Nations office on Drugs and crime (2015) : world drug report