



HEB

Journal of Research in Indian Medicine
An Official Publication of Bureau for Health & Education Status Upliftment
 (Constitutionally Entitled As Health-Education, Bureau)

JRIM

To Evaluate the Effect of Pippali (Piper Longum, Linn) on Experimental Model of High Fat Diet Induced Obesity

Dr. Bomble Rajashri^{1*}, Dr. Deshpande Mansi^{2*} & Dr. Sawant Vidya^{3*}

^{1*}Dr. Rajashri Bomble (M.d Dravyaguna) Lecturer. G.J. Patel Institute of Ayurvedic Studies and Research, New.V.V.Nagar, Anand, Gujrat.

^{2*}Dr. Mansi Deshpande (M.d Ph.d Dravyaguna) H.O.D. (Dravyaguna) Bharati Vidyapeet Deemed University College of Ayurved. Katraj Pune.

^{3*}Dr. Vidya Sawant (M.d Dravyaguna) Lecturer, Bharati Vidyapeet Deemed University College of Ayurved. Katraj Pune.

Email Id: service.heb@gmail.com

ABSTRACT:

Hindu mythology reveals that Pippali has its origin during Samudramanthanam along with amruta. Bhavamishra gives 'ooshana' as a synonym for this Pippali. In samhitta and various nighantus pippali has been mentioned. All these references indicate that Pippali is very old drug known to Indians from long time and its sanctity goes beyond 2000-3000 years. Obesity called as Sthoulya in Ayurved. Pippali is responsible for destroying Visha, Jantu, Kapha, and Vata from body. It is useful in scraping kapha from the body. Aim of the study is To Evaluate the effect of Pippali Churna in experimental model of high fat diet induced obesity. The experimental study was carried out for 42 days. In which for first 21 days the obesity was induced by creating high fat induced obesity experimental model of wistar rats male, which was further treated for next 21 days with three different test drug doseage of Pippali (A), of 90mg/kg., Pippali(B) of 180mg/kg and Piplai(C) of 270mg/kg were used. For obesity induction Vanaspati Ghee (Dalda) and coconut oil (Parachute) was used in which daily pellets were soaked overnight. The weight was recorded on weekly basis where as the blood samples were collected on 0, 21 and 42 days respectively. Standard Drug Atorvastatin was used. The blood samples were sent for histopathological results and the statistical analysis was done with Anova method. Obesity was induced till day 21 and again was reduced satisfactorily by Pippali group(A) and group (C) showed maximum satisfactory results with histopathological changes. Pippali has antiobesity potential. According to variation of dose the results have significant changes.

KEYWORDS: Pippali, HFD, Antiobesity, hyperlipidemia

Access this Article Online

Website: <http://heb-nic.in/jrim>

Received on 20/08/2020

Accepted on 30/08/2020 © HEB All rights reserved

Quick Response Code:

