© *Kamla-Raj 2003*
Int J Hum Genet, 3(1): 29-32 (2003)
PRINT: ISSN 0972-3757 ONLINE: 2456-6360
DOI: 10.31901/24566330.2003/03.01.06

Active and Passive Smokers - A Haematobiochemical and Cytogenetic Study

K. Sasikala, F. Regina Rosalin, A.L Calistus Jude, R. Ashok Kumar, S. Sudha, M. Vimala Devi, N. Balachandar, K.A. Sajeetha Beegam, N. Meenakshi and Asia Begum

Division of Human Genetics, Department of Zoology, Bharathiar University, Coimbatore 641 046, Tamil Nadu, India

KEY WORDS Active smokers; passive smokers; cigarette smoke; haematobiochemical hazard; chromosomal aberration.

ABSTRACT Use of tobacco is now pandemic and it is probably the most important preventable causes of human morbidity and mortality. This study is aimed to find out the effect of smoking on RBC and WBC counts, mean corpuscular volume, haemoglobin content, lipid profile and chromosomal complements among Active and Passive smokers. In smokers, the RBC count and haemoglobin content were found to be decreased and the WBC count and mean corpuscular volume were elevated and statistically significant results were noted in lipid profile. A significant number of minor chromosomal aberrations were observed among the different groups of Active smokers

Home Back