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PRINT: ISSN 0972-3757 ONLINE: ISSN 2456-6330

Int J Hum Genet, 1(2): 145-150 (2001)
DOI: 10.31901/24566330.2001/01.02.13

Cytogenetical Damage in Petrol Pump Workers

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KEY WORDS Mitotic Index. Chromosomal Aberration. Sister Chromatid Exchange. Lymphocyte. Petrol Pump Workers

ABSTRACT Cytogenetic studies were carried out on 37 petrol pump workers exposed to benzene, carbon monoxide, chlorobenzene and nitric oxide and 36 control individuals with no known exposure at work. The mean MI in exposed workers (7.86) was found significantly higher than in controls (4.60). CA were observed to be elevated in the exposed group. Frequency of SCE in exposed workers (6.49) was significantly higher than controls (5.62). Exposed group showed about two fold increase in the frequency of SA (13.4) as compared with the controls (7.91). It may be concluded that the petrol pump workers are at a risk to cytogenetic damage at their work places.