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Glucose-6-Phosphate Dehydrogenase Deficiency among the Rajputs and Brahmins of Solan District, Himachal Pradesh

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KEYWORDS Pentose Phosphate Pathway. Enzyme Deficiency. Endogamous Population. Selection

ABSTRACT G6PD deficiency is a common hemolytic genetic disorder whose frequency varies from population to population. The present study aims at screening G6PD deficiency among the Rajputs and Brahmins of Kasauli Tehsil (Solan district), Himachal Pradesh and to compare the results with the available data of other neighbouring caste populations. 1.54 % of the Rajput males and 2.12% of the Brahmin males screened were found to be G6PD deficient. The *G6PD*def* allele frequency in the Rajputs and Brahmins was 0.015 and 0.021, respectively, which are within the frequencies range of reported from northern India.