

## **Age, Sex and Seasonal Variations of Sickle Cell Disorder Cases in Orissa**

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**ABSTRACT** A total of 451 sickle cell haemoglobinopathy cases aged from 4 month to 55 years were recorded in a clinic of Sickle Cell Research Centre (ICMR), Burla during the period from September 1991 to April 1993. Out of these, 442 cases (280 Males and 162 Females) were homozygous sickle cell disease or sickle cell - beta thalassaemia. One case of haemoglobin SD disease was encountered. Besides sickle cell disorders. Cases like haemoglobin D trait (one case), haemoglobin E thalassaemia (one case) and 6 cases of Beta thalassaemia major were also encountered during the period under report. The magnitude of the problem is more in some general caste groups (Kulita, Chasa, Agharia, Gouda, etc.) than the Scheduled castes and Scheduled Tribes. Regarding the seasonal attendance, it was found that more sickle cell disease cases attended the clinic in rainy months (June to September) than in winter and summer season.