

Cytogenetic, Socio-economic and Biological Study of Down Syndrome Patient

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ABSTRACT Down syndrome is mainly numerical change of chromosome 21 which is found 1 per 1200 live births in India. Chromosomal analysis is necessary for primary diagnosis. Socio-economic factor may affect indirectly in case of Down syndrome patient. Previous miscarriage of mother is related with the next birth of Down syndrome baby. After screening 218 genetically abnormal cases, 45 cases were diagnosed as Down syndrome, in Genetics Department of Ramakrishna Mission Seva Pratishthan. Detailed clinical and socio-economical history and anthropometric measurement were taken from these particular patients. Maximum cases of Down syndrome are from Socio-economically deprived area. Stunting growth is found in Down syndrome cases. 75.56% mothers have previous reproductive wastage.