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

**Gargi Podder, Auley De, Aniket Adhikari, Ajanta Haldar, Jayshree Banerjee and  
Madhusnata De**

*Department of Genetics, Ramakrishna Mission Seva Pratishthan, Vivekananda Institute of  
Medical Sciences, 99 Sarat Bose Road, Kolkata 700 026, West Bengal, India*

**KEYWORDS** Down Syndrome. Cytogenetic Factor. Socio-economic Factor. Biological Factor

**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.