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Authors: Anila Venugopal, Manojkumar C., Nimmisha E.,
Soumya K.K., Sanuj C. Breezevilla, Balachandar V.

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MONOGENIC DISEASES IN INDIA

**Anila Venugopal^{a,*}, Manojkumar C^a, Nimmisha E^a, Soumya K K^a,
Sanuj C Breezevilla^b, Balachandar V^{a,*}**

^a Human Molecular Cytogenetics and Stem Cell Laboratory, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore – 641 036, Tamil Nadu, India.

^b Post Graduate & Research Department of Zoology, Sree Narayana College, Cherthala – 688582, Kerala, India.

***Anila Venugopal and Vellingiri Balachandar**

Human Molecular Cytogenetics and Stem Cell Laboratory, Department of Human Genetics and Molecular Biology, Bharathiar University, Coimbatore – 641 046, Tamil Nadu, India

Mobile: +91 9994999924; Office: +91 422 2422514; +91 422 2422222; Fax: +91 422 2422387; E-mail: venugopalanila@gmail.com; geneticbala@yahoo.co.in

Abstract

Studies on monogenic diseases are considered valuable because they give insights and expand our knowledge on gene function and regulation. Despite all the current advancement in science and technology, a deep understanding and knowledge as to why only those particular genes are affected in a disease is still vague. We also lack profound illumination as to why only certain mutations are seen in a disease. Though useful from a research perspective, a majority of these diseases are lethal resulting in death of the affected individual. Unfortunately, in the fast – growing land of India, the incidence of monogenic diseases is very high with few counter-measures in place. This article encompasses a list of all monogenic diseases ever to be reported in India with special focus on five diseases which has been stated to have the highest incidence in India. Here, we discuss about the limited research carried out in India on these high incidence monogenic diseases, the other diseases related to those genes, the range of treatments available for these diseases in India in contrast

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