The need for genomics in diagnosing a child with hereditary neurological diseases

The panel of Paediatricians, Neonatologists and Nursing staff discussed the application of genomics in understandin neurological diseases and how it has grown to be a necessity in the clinical practice.

29 August 2015, 6:47 AM IST

Cochin, August 27th, 2015 : MedGenome organized a round table meeting with doctors in the pediatrics department at Aster Medicity in Cochin. The panel of Paediatricians, Neonatologists and Nursing staff discussed the application of genomics in understanding neurological diseases and how it has grown to be a necessity in the clinical practice.

"*Our approach to diagnosing has shifted from a symptom based differential diagnosis to a gene based differential diagnosis over the last decade*" Dr Akbar Mohamed, Department of Pediatric Neurology, Aster Medicity, suggested "*Genomics-based testing provides precise information regarding the nature of the illness to parents and caregivers and helps us to optimize the current standard of care for the affected children.*"

The round table meeting was organized by MedGenome, the leader in genomics-based diagnostics in India. The firm has two state-of-the-art sequencing labs - a 10,000 sq ft in Bangalore and a 5,000 sq ft in Cochin, Kerala. The MedGenome scientific team presented various dimensions of genetic testing, especially Next Generation sequencing, as a diagnostic aid. The meeting delved deeper into the techniques of sequencing giving it a highly scientific flavour. MedGenome offers single gene and comprehensive gene panel to test neurological disorders and has a pan-India presence.

"*India has a huge burden of hereditary disorders with a large number of children affected*" Mr Sam Santhosh, CEO MedGenome said "*We believe that the adoption of genetics as a tool for differential diagnosis among neurologists is going to positively impact the health outcomes for these children. We are a pioneer in supporting the clinicians' efforts in this*"

The decades following the human genome project have witnessed the growth of genomics along various aspects of human disease prevention, diagnosis and management. Revolutionary high-throughput sequencing technologies such as NGS facilitated the generation of huge volumes of genomics data. Supported by bioinformatics, the experts are able to generate useful insights on human diseases that has found ample applications in diagnostics and research.

Most Read | This Week | This Month

› Pfizer appoints S Sridhar as Managing Director
› Novartis Healthcare launches psoriasis treatme
› Delhi High Court stays Corex ban on Pfizer's p.
› After banning 300 drugs, Health Ministry exami

Most Read in Industry

This Week | This Month

Patients are now suing doctors at an alarming rate : Mahendrakumar Bajpai
Mar 16, 2016 9:01 am IST

70% of OPD consultations ca be replaced through virtual healthcare: Amit Munjal
Mar 17, 2016 10:13 am IST

Healthcare business out of hospital space is a big opportunity today: Lalit Pai
Mar 15, 2016 9:51 am IST

Baba Ramdev's Patanjali leaves Ayurveda 'pioneers' like Baidyanath and Vicco behind
Mar 18, 2016 8:14 am IST

40% doctors disagree with govt's recent drug ban list: Survey
Mar 19, 2016 6:00 am IST