



DR. MITESH SHETTY

HOD & Consultant - Medical Genetics

Qualification

MBBS from the University of Mumbai | MSc (Medical Genetics) from the University Of Glasgow, UK | Ph.D (Medical Genetics) from MAHE, Manipal | European Board Certified Clinical Laboratory Geneticist

Fellowship & Membership

- Short-term Fellowship-Medical Genetics, York Hill Hospital, Glasgow, U.K.
- European Board of Medical Genetics (EBMG).
- Indian Society of Human Genetics (ISHG).
- Indian Academy of Paediatrics-Genetics Specialty Chapter.
- Bangalore Society of Obstetrics & Gynaecology.
- Indian Society of Inborn Errors of Metabolism.
- Indian Society of Prenatal Diagnosis & Therapy.
- Molecular Pathology Association of India.

Field of Expertise

- Two decades of extensive experience in the field of Medical Genetics Prenatal diagnosis & Genetic counseling
- Genetic diagnosis of Down syndrome, Autism, β^2 -Thalassemia, Haemophilia, Duchenne muscular dystrophy (DMD) & Spinal muscular atrophy (SMA) etc.
- Genetic counseling in consanguinity, recurrent abortions, Infertility, Pre- implantation Genetic Screening Test (PGT), Non-Invasive Prenatal Screening (NIPT/NIPS)
- Expertise in Karyotyping, FISH study, Double/Quadruple study, Chromosomal Microarray & Next Generation Sequencing (NGS)
- Risk assessment in hereditary cancer disorders like Breast & Ovarian cancer

Languages Spoken

- English
- Hindi
- Kannada
- Tulu

Awards & Achievements

- Faculty for a Certificate course in Genetic Counselling (MAHE).
- Recognized Guide for Ph.D. in Manipal Academy of Higher Education (MAHE).
- Guided Ph.D., M.Phil & MSc students & trained students for Genetic counseling.
- Received IBM Sponsorship of CAS Project expenses towards clinical research.
- Conducted a public awareness program on World Thalassemia Day (May 18) & World Down syndrome day (Mar 19).
- Organized CME on "Integrating Genomics into Clinical Practice" (Jul 18) & "Autism awareness day" (Apr 19).
- Published papers in National & International journals & CHAPTER IN BOOK-"Genetics in Congenital Heart Disease" In "A Comprehensive Approach to Congenital Heart Disease (A Lifelong Odyssey)" Jaypee brothers, ISBN 978-93-5090-267-7.

Talks & Publications

- "Aneuploidy screening of sperm-is it useful? 26th Annual Conference organized by the Indian Society of Assisted Reproduction(ISAR)in Mumbai on 28th August.
- "Genetic Counseling in Autism" organized by Manipal Advanced Centre for Child care on 17th April 2022.
- "Genetic Testing to Shorten the Diagnostic Odyssey" organized by Manipal Advanced Centre for Child care on 13th April 2022.
- "Down Syndrome Awareness Day 2022" organized by Rortact Club, Bangalore on 20th Mar 2022.
- "IEM & Challenges in Prenatal Diagnosis" organized by NITTE University on 25th Feb 2022.
- "Experience of chromosomal microarray applied in prenatal and postnatal settings" organized by Agilent India on 28th Jan 2022.
- "Behind the scenes! Peek into the working of an NBS Lab" in the NATIONAL NEWBORN SCREENING SYMPOSIUM organized by the National Neonatal Forum India (NNFI) on 26th Sep 2021.
- "Spinal Muscular Atrophy Awareness Discussion" Facebook Live organized by Integrated Health & Wellbeing (IHW) Council on 27th Aug 2021.
- "Autism & Genomics" Organized by Lybrate GoodMD on 9th Mar 2021.
- "Don't Neglect Medical Genetics in Women's Health" organized by the Obstetrics & Gynecology Society of Bangladesh on 10th Jan 2021.
- "6th Edition of Year in Review Breast Cancer Conference" organized by Women's Health Initiative by Tata Memorial Hospital, Mumbai held on 11th Jan 2021.
- "Current status of Medical Genetics in India" Facebook Live organized by Cachar Chronicle on 18th Sep 20.
- "Autism & Genomics" in Webinar on Insight into Autism & Fragile-X; organized by Indian Medical Association-Medical Student network in association with Fragile-X society, Indian on 22nd July 20.
- "Our Experience of Chromosomal Microarray" in Celebrating 15 Years of Trusted Genomic Analysis with CGH on 26th Feb 20.
- "Advanced Genetic Study with Interesting Case Scenarios" in Cloudnine-OAR Hospital on 11th Feb 20.
- "Genetics in Clinical Practice" in Manipal Hospital, Goa on 8Th Jan 20.
- "Genetic etiology of Developmental delay & disability" in CME on Developmental Pediatrics, SDUMC on 25th October 2019.
- "Genetic disease Diagnosis & Gene therapy" in 41st CME in Internal Medicine organized by the Association of Physicians of India & Medical Education and Research Trust, Bangalore on 22th Sep 2019.
- Panel discussion "CME on Anemia in Pregnancy; titled "The Pale Gravida" - A Challenge !?!" on 22-Sep-2019, Bengaluru organized by The Society for Maternal-Fetal Medicine, (India).
- A retrospective study of the profile and outcome of children with Dravet syndrome in a tertiary care hospital of Southern India, Journal of Pediatric Epilepsy (Accepted).
- A novel mutation in GATA3 gene in a case of Hypoparathyroidism, Deafness and Renal dysplasia syndrome, Indian Journal of Nephrology (Accepted).
- Sameeta M. Prabhu, Bidisha Banerjee, Ullas Acharya, Poonam P Hegde, Mitesh Shetty. MELAS (Mitochondrial Encephalopathy, Lactic Acidosis, and Stroke-Like Episodes)" Usual and Unusual MRI Finding. Indian J Radiol Imaging <https://www.thieme-connect.com/products/ejournals/pdf/10.1055/s-0042-1755241.pdf>.
- Jyothsna Madan, Mitesh Shetty*, B S Ramamurthy, Surekha Managoli. "A Multidisciplinary approach for Prenatal diagnosis of FRASER SYNDROME - report of a novel variant in FRAS1." Taiwanese Journal of Obstetrics and Gynecology, Volume 61(2022)129-132. <https://doi.org/10.1016/j.tjog.2021.11.020>.
- Shetty M. "Genomics in infectious diseases" Pediatr Inf Dis 2021; 3 (2):57-64. <https://www.pidjournal.com/doi/PID/pdf/10.5005/jp-journals-10081-1296>.
- Dr. Mitesh Shetty on More Bangaloreans take a genetic test to screen for future risk | Deccan Herald. [Click Here](#)