REDEFINING GENETIC STUDIES

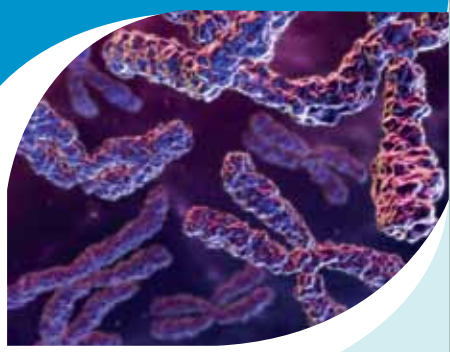
Genetika
Centre for Advanced Genetic Studies

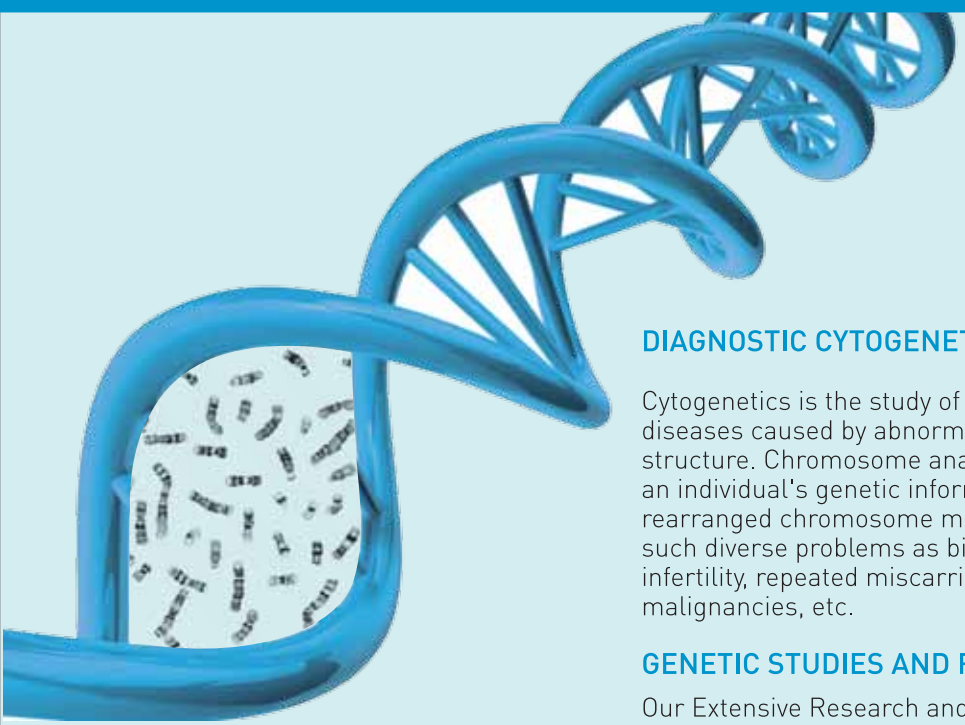
Sir/Madam,

We are happy to introduce our venture "Genetika", Centre for Advanced Genetic Studies. Our laboratory is one of the largest research centres in private sector in this state dedicated for genetic studies. Ours is the Kerala's first and only one centre for genetic studies registered and certified ISO 9001:2008 by UKAS (United Kingdom Accreditation Services). Our aim is to provide affordable service even the poor sections of the society. We guarantee reliable and reproducible results with excellent facility for research and training. We will be at your service as and when required.
We request your blessings and whole hearted co-operation to our path breaking endeavor.

Thanking you
Sincerely Yours

Dr. Dinesh Roy D





DIAGNOSTIC CYTOGENETICS

Cytogenetics is the study of chromosomes and the related diseases caused by abnormal chromosome number and/or structure. Chromosome analysis provides "bird's eye view" of an individual's genetic information. Missing, extra, or rearranged chromosome material may be responsible for such diverse problems as birth defects, mental retardation, infertility, repeated miscarriages, various haematological malignancies, etc.

GENETIC STUDIES AND RESEARCH

Our Extensive Research and Experience in Cytogenetics provided the breakthrough in setting the state of art laboratory exclusively for Genetic Studies with excellent facility for Research and Training. GENETIKA is now one of the leading and fastest growing environment friendly Cytogenetic diagnostic centers in Thiruvananthapuram, with complete Laboratory for Genetic Studies.

GENETIKA is Collaborating with some of the leading figures in Cytogenetics allows prompt and innovative results and these results are useful to the medical practitioner for proper diagnosis, prognosis and the possible treatment.
A chromosomal diagnosis should facilitate the provision for accurate information about the recurrence risk for future siblings and it is very useful for selecting the options available for dealing with the risk.

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DIAGNOSTIC CYTOGENETICS/TESTS OFFERED

- Chromosome Analysis / Karyotyping
- Chromosome Breakage Studies
- Fragile X Studies
- Mutagen induced chromosome sensitivity studies to evaluate the DNA repair proficiency
- Cytokinesis-block micronuclei assay to quantify the extent of somatic DNA damages

SPECIMEN TYPES FOR CHROMOSOME ANALYSIS / KARYOTYPING

- Peripheral Blood
- Bone Marrow Aspirate
- Leukemic Blood
- Products of Conception
- Intrauterine Death / Aborted Foetus

SPECIMEN REQUIREMENTS

- Each specimen must be clearly labeled with at least two patient identifiers such as patient name, age, sex, name of referring physician, originating lab or clinic, clinical indication and tests ordered, etc.
- Each specimen must be accompanied by a proper test requisition.
- The clinical indication is required for appropriate cell culture parameters to be chosen.
- Samples should be sent as soon as possible to the Cytogenetics Laboratory with same-day or overnight transport preferable.
- Samples should never be frozen or placed on ice.

PERIPHERAL BLOOD

- Aseptically draw 1-3 ml venous blood into a sodium-heparin vacuutainer and mix well.
- Do not use EDTA or other anticoagulants.
- Please do not open the container.

BONE MARROW ASPIRATE

- Transfer 1-2ml of aspirate into a sodium-heparin vacuutainer and mix well.
- Do not use EDTA or other anticoagulants.
- Please do not open the container.

PRODUCTS OF CONCEPTION, SPONTANEOUS ABORTIONS, FETAL DEMISE OR STILLBIRTH

- Aseptically transfer two or three tissue bits to a sterile bottle containing normal saline or in container provided by Genetika OR Intracardiac puncture blood sample in sodium heparin vacuutainer.

PLACENTA

- Aseptically transfer two or three tissue bits of placenta from near the umbilical cord insertion site containing chorionic villi to a sterile bottle containing normal saline or in container provided by Genetika.

TURNAROUND TIME

- The results will be ready after 16 days and will be dispatched.

Kerala's first ISO 9001:2008 certified centre for Genetic Studies and Research.

OUR FACULTY

Technical Consultants

Prof. (Dr.) Stephen Ph.D (Hon)
Dr. Viji Krishnan Ph.D

Technical Advisors

Prof. (Dr.) T Vijayakumar Ph.D
Prof. M Sundaresan

CEO & Senior Cytogeneticist

Dr. D DINESH ROY M.Phil, Ph.D

Skilled Analysis and Cost-Effective Results

The laboratory staff of Genetika is available for telephone consultation regarding utilizatization of the service provided by our facility, assistance in choosing the proper test, questions about appropriate specimens, testing procedures, interpretation of results, etc.

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