

“APPLICATION OF CYTOGENETIC TECHNIQUES IN DIAGNOSTICS”

7th June to 9th June 2018

Timings: 8:30 a.m. – 5:00 p.m.

LECTURES & PRACTICALS

Introduction to Cytogenetic

- History of cytogenetics
- Structure of chromosome
- Mitosis & Meiosis

Karyotyping Technique

- Culturing
- Harvesting
- Slide Preparation and Staining
- Microscopy
- Identification of Chromosomes
- Preparation of Karyotype

Application of the Karyotyping techniques

- Hematological malignancies
- Fanconi anemia
- Couple karyotyping
- Prenatal and Postnatal karyotyping

FISH (Fluorescence in situ Hybridization) Technique

- Probe Application
- Fluorescent microscopy

Application of FISH

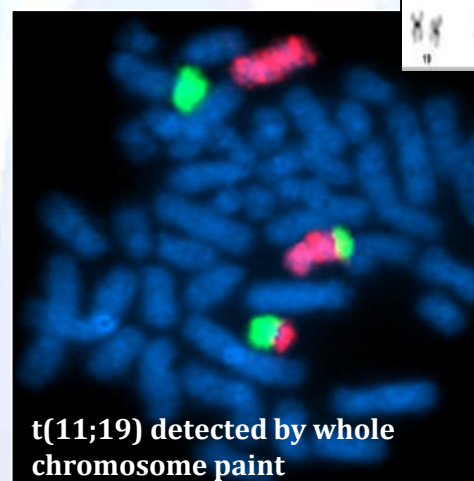
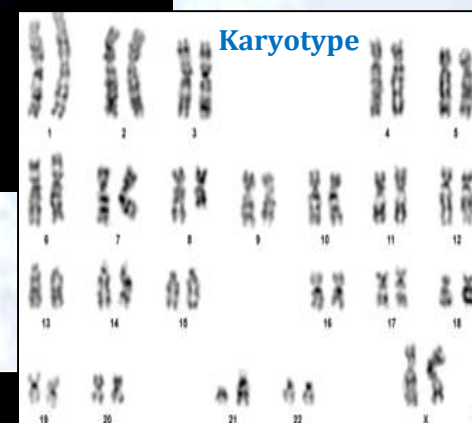
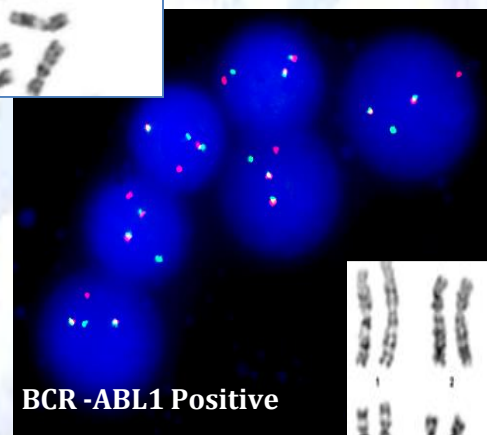
- Haematological malignancies
- Solid Tumours
- Aneuploidy detection
- Micro-deletion syndromes
- Pre-implantation diagnosis

Karyotyping/FISH Nomenclature (ISCN 2016)

Genetic counselling & Ethical issues

Quality Assurance

Advanced Cytogenetic Techniques



Registration is closed

Venue:

CCE Building, 2nd Floor, Room no-209, Mini Auditorium, ACTREC, Kharghar, Navi Mumbai – 410210.
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