



Value Added Course

Cytogenetic Lab Technology

This course is aimed at B.Sc. (MLT) interns. At the end of this course, you will be able to explain the principles of cytogenetic technology and perform chromosomal analysis by karyotyping. This course will enhance the employability of MLT students in medical genetics lab. The course will focus mainly on skill development. Certificate will be issued after successful completion of the course

Course duration: Eight sessions of two hours each (19-30 April 2021)

COURSE SCHEDULE

Session	Learning objective	Mode
1	Genome organization, genetic disorder and principles of karyotyping	Theory
2	Blood culture set up	Practicals
3	Blood culture arrest and harvest	Practicals
4	Preparation of chromosomal spreads	Practicals
5	G banding of chromosomal spreads	Practicals
6	Microscopy of banded spreads	Practicals
7	Karyogram preparation	Practicals
8	Assessment	MCQs

Course coordinator

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