Cytogenetics:

Human Cytogenetics involves the study of human chromosomes in health and disease.

Clinical Indications for Chromosome Analysis:

- 1. prenatal diagnosis
- 2. certain patients with mental retardation and multiple birth defects
- 3. patients with abnormal sexual development
- 4. some cases of infertility or multiple miscarriages
- in the study and treatment of patients with malignancies & hematologic disorders.

New techniques allow for increased resolution.

In the future cytogenetic methods will become more and more linked to molecular techniques

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