

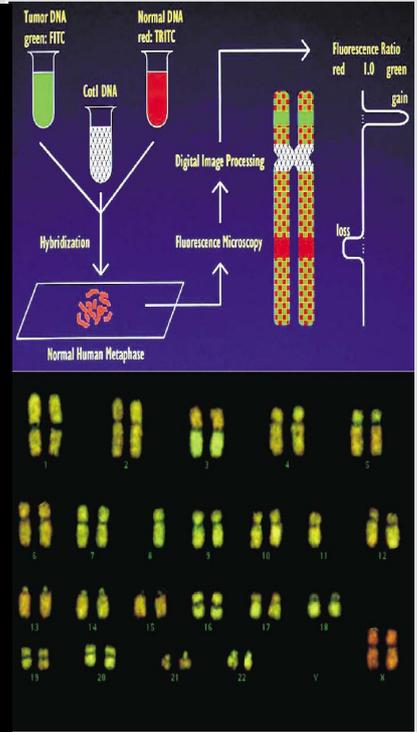
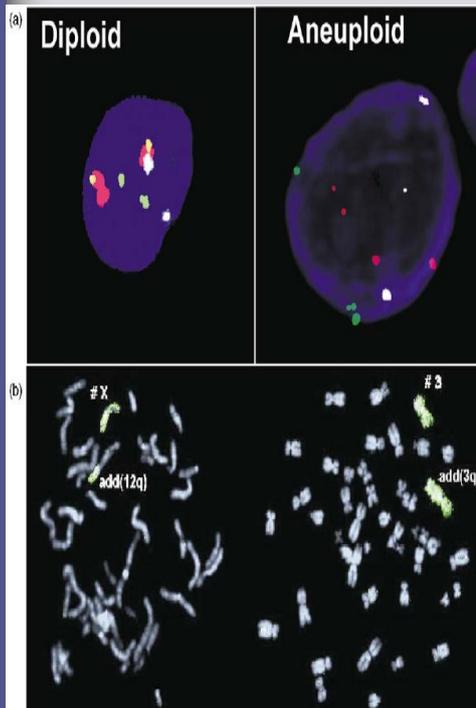
# CYTOGENETIC ANALYSIS RELIABLE METHODS FOR DIAGNOSIS ANEUPLOIDIES IN PRENATAL DIAGNOSIS



Organization

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Microscopic chromosome analysis of cultured cells has been regarded as the standard method for pre-natal cytogenetic diagnosis. Prenatal diagnosis employs a variety of techniques to determine the health and condition of an unborn fetus.

Conventional cytogenetic analysis (karyotyping, FISH) techniques are expensive and require a long time to get a result. Recently it was shown that fluorescence quantitative polymerase chain reaction (QF-PCR) is a useful and reliable method to diagnose aneuploidies in prenatal diagnosis. Also, QF-PCR analysis provides information of parent and origin of the aneuploidies, allowing adequate genetic counseling.

## Conclusion

This report confirms the importance of screening and the cytogenetic diagnosis in the identification of the numerical chromosomal abnormalities.

*Congenital anomalies account for 20 to 25% of perinatal deaths*