

DEPARTMENT OF FISH & CYTOGENETICS

Blood Karyotyping Single
Heparin, Whole Blood

Chromosomal Analysis: GTG Banding

Method Used	: 72 Hr PHA stimulated culture
Specimen type	: Heparinized Peripheral Blood
Specimen Adequacy	: Adequate
Clinical Indication	: ? Fertility related investigations
Banding Resolution	: 400-550 bphs
Cytogenetic Profile	
Metaphases Counted	20
Metaphases Analyzed	20
Metaphases Karyotyped	05
Karyotype	
Total Chromosome Number	46
Autosomes	44
Sex Chromosomes	: 2 (XX)
Observation	: 46,XX

Interpretation

There is no evidence of any structural or numerical abnormality in any of the cells studied. The karyotype is suggestive of a normal female chromosome complement.

However, there is presence of increase in length of the heterochromatic region of one of the chromosomes 9 and increase in the length of satellite on the short arm of one of the chromosomes 22. These heteromorphisms are considered to be polymorphic variants which might not have any clinical significance.

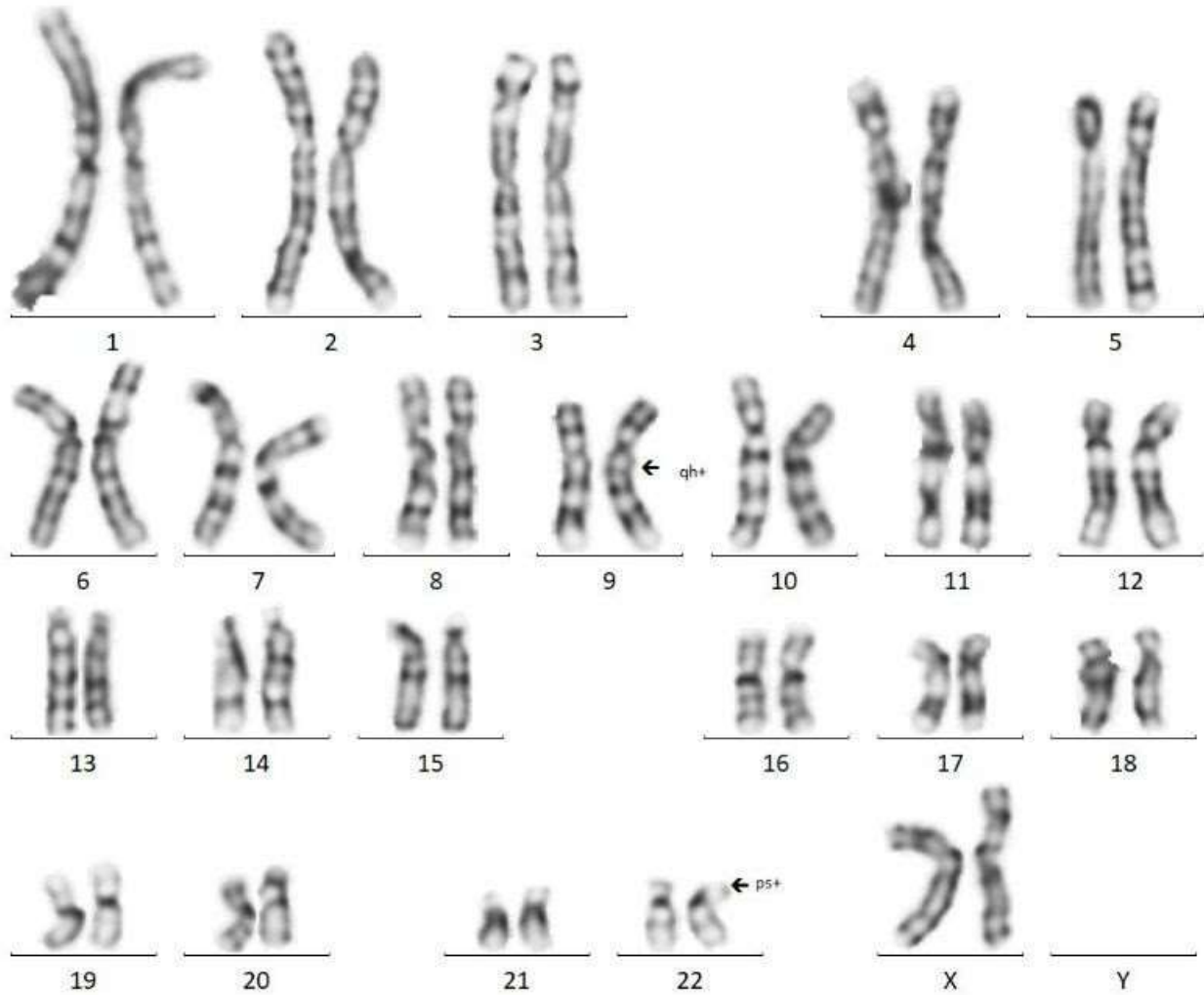
Genetic counselling is recommended.

Reference:

Madon P F, *et al.*, 2005 *Reprod Biomed Online*: 11(6):726-32.

Limitation: Low grade clonal rearrangements and/or the presence of submicroscopic or cryptic abnormalities may not be evident on conventional karyotyping. Reported as per ISCN 2020

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*** End Of Report ***