

PATIENT INFORMATION

Name:	Shumail	Date Collected:	-	Accession No:	909219
DOB:	-	Date Received:	20-Mar-2019	Specimen ID:	BC19-201
Age:	40 years	Date Reported:	09-Apr-2019	Specimen:	Blood
Sex:	-	Referred by:	Immunodiagnostics	Test Requested/Code:	Karyotype/1010
Indication:	-				

CYTOGENETICS REPORT

RESULTS:

Method:	G-banding
Metaphases counted:	30
Metaphases analyzed:	30
Metaphases karyotyped:	30
Banding Resolution:	500
Karyotype (ISCN 2016):	45,X [28]/46,X+mar[2]
Result:	Abnormal

INTERPRETATION:

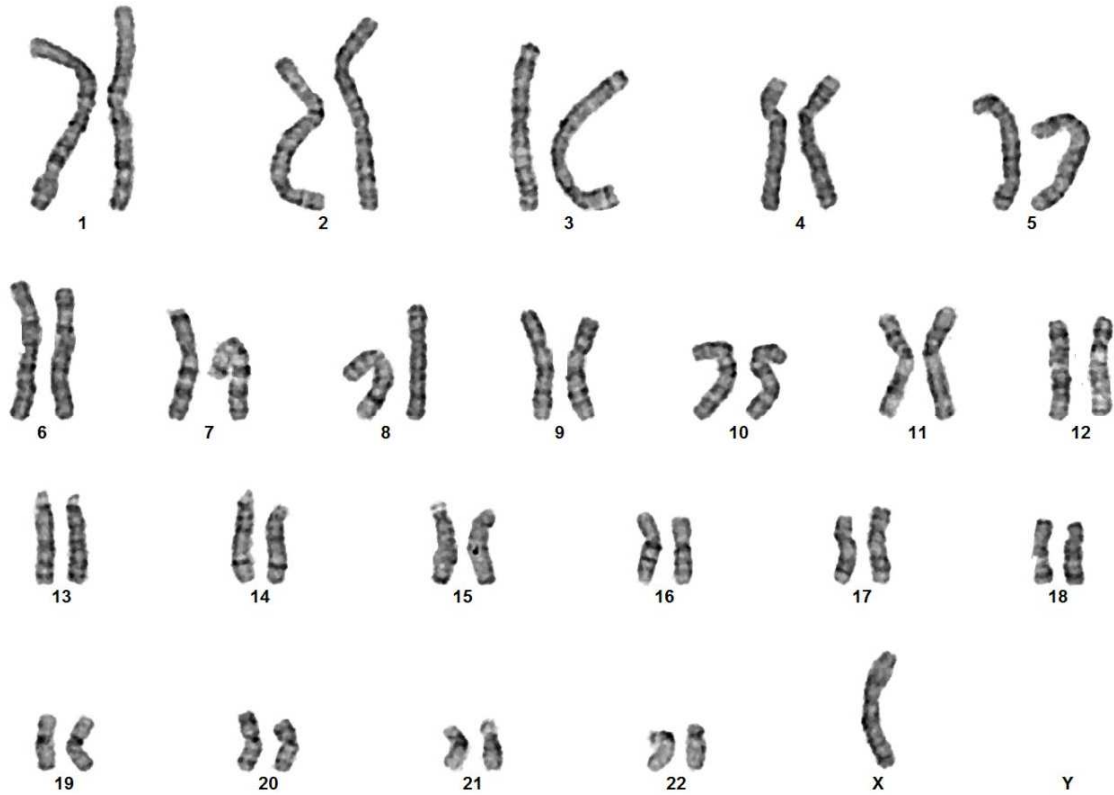
Cytogenetic analysis revealed an abnormal mosaic chromosome complement with majority of cells (93 %) showing Monosomy X and a minority of cells (7%) showing Monosomy X with a marker chromosome. This chromosome complement may be associated with features of Turner syndrome.

RECOMMENDATION:

Additional FISH testing using a probe for X and Y chromosome is recommended to determine the origin of the marker chromosome. Clinical evaluation and correlation of the karyotype results in the context of the phenotype and genetic counseling is recommended.



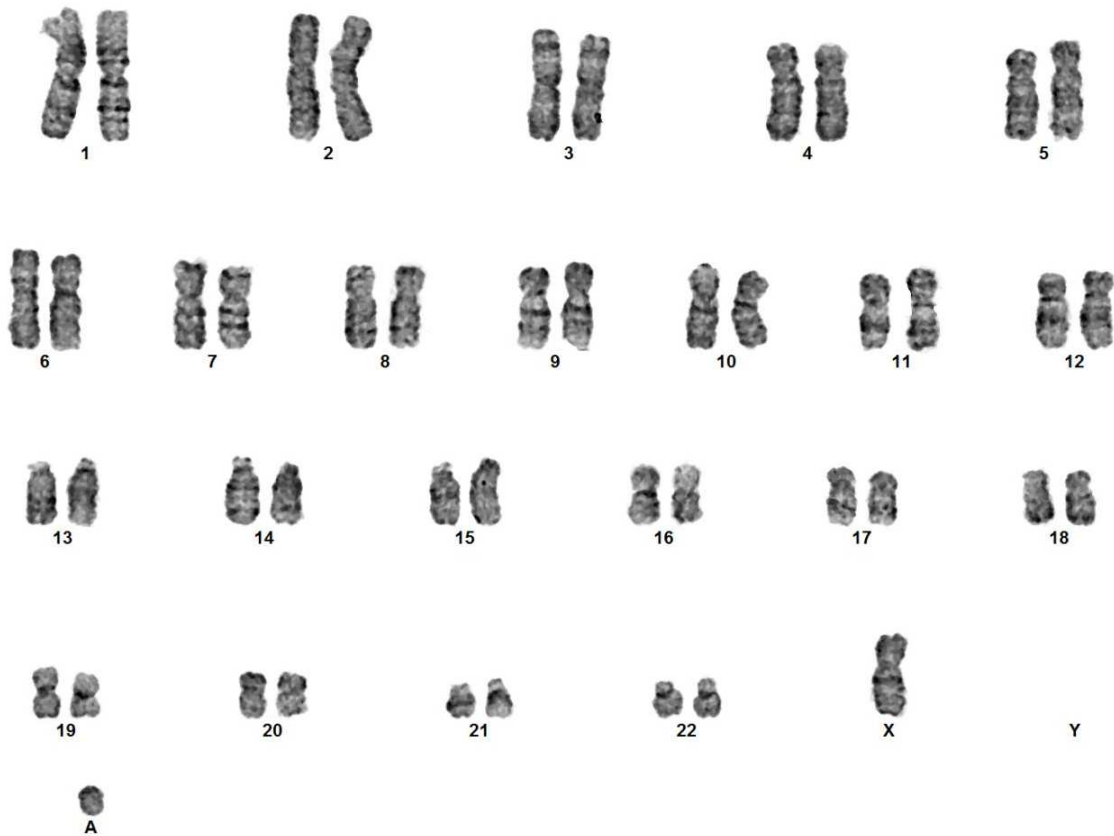
KARYOTYPE 1:



Patient Name:	Shumail
Karyotype:	45,X



KARYOTYPE 2:



Patient Name: Shumail
Karyotype: 46,X+mar

Please Note: Although the methodology used in this analysis and interpretation is highly accurate, it does not detect small rearrangements and very low-level mosaicism, which are detectable only by molecular methods. Failure to detect an alteration at any locus does not exclude the diagnosis of any of the disorders. AGILE can assist the physician in determining the appropriate test in the context of clinical indications. This report has been reviewed and electronically signed on 9th April 2019.

Authorized Signatory



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