Name:	**KALIKA**	**Printed on**	**12-03-22**
Age/Gender:	**8 M/Female**	**Lab ID:**	**012202240039**

CYTOGENETICS REPORT

Test Name:Karyotype - Blood

CLINICAL INDICATION:

Monogoloid features

RESULTS:

Method:	G-banding
Metaphases counted:	20
Metaphases analyzed:	20
Metaphases karyotyped:	20
Banding Resolution:	400
Karyotype (ISCN 2016):	47, XX,+21

INTERPRETATION:

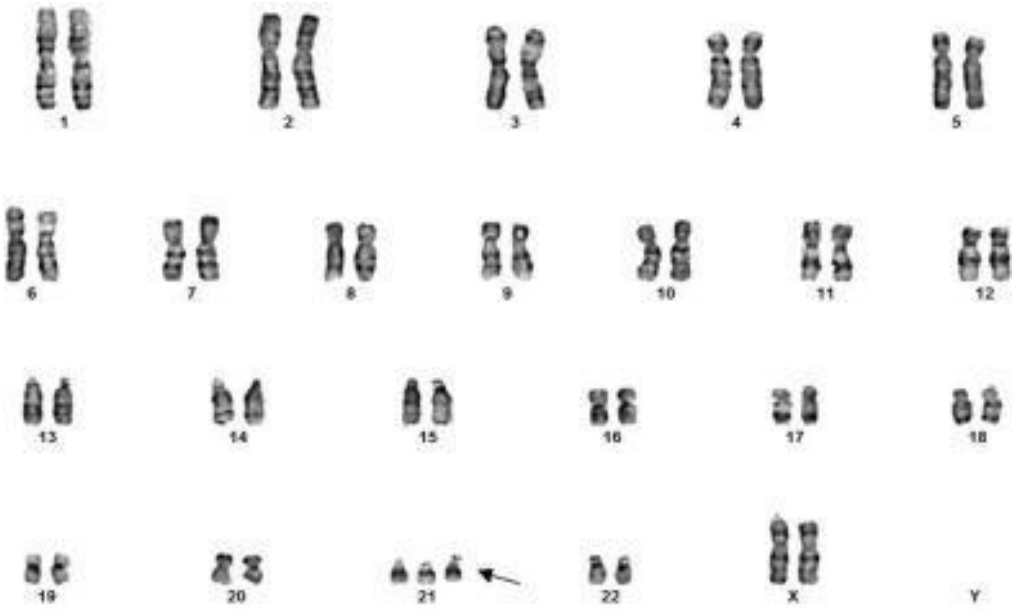
This karyotype shows three copies of chromosome 21 (Trisomy 21) in all metaphases examined. Trisomy 21 is associated with features of Down syndrome. This finding is consistent with a clinical diagnosis of Down syndrome [MIM #190685]. Down syndrome is one of the most common chromosomal abnormalities in live born children and has a well-defined clinical presentation, including distinctive facial features and mild to moderate intellectual disability. Individuals with Down syndrome may also have congenital malformations of the heart and/or gastrointestinal tract and conductive hearing loss.

RECOMMENDATION:

Due to the occurrence of one child with Trisomy in this family, prenatal chromosome analysis should be offered for any future pregnancy of these parents. In addition, a genetic evaluation is recommended for this individual and genetic counseling is recommended for this family.

CYTOGENETICS REPORT

KARYOTYPE:



Disclaimer: 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.

*** End Of Report ***