

MINAKSHI PAL (AMHL0002012772)

Date of birth: 05 October 1996  
Examination date: 25 July 2023

Address: Kolkata Hospital no.: 2390008277

Referring doctor: Dr A Basak Apollo Multi Speciality Hospital  
Address: Kolkata

### Maternal characteristics and history

Ethnic origin: South Asian (Indian, Pakistani, Bangladeshi).  
Parity: 0.  
Maternal weight: 60.0 kg.  
Smoking in this pregnancy: no; Diabetes Mellitus: no.  
Conception: spontaneous;  
last period: 27 April 2023

EDD by dates: 01 February 2024

### First Trimester Ultrasound

Gestational age: 13 weeks + 4 days from CRL

EDD by scan: 26 January 2024

Crown-rump length (CRL) 74.5 mm   
Nuchal translucency (NT) 2.20 mm

### Chromosomal markers:

Nasal bone: present.

### Maternal Serum Biochemistry

Sample 2390008277, taken on: 25 July 2023, analysed on: 25 July 2023.

Free β-hCG	12.65 IU/l	Roche	equivalent to	0.480 MoM
PAPP-A	6.238 IU/l	Roche	equivalent to	1.090 MoM

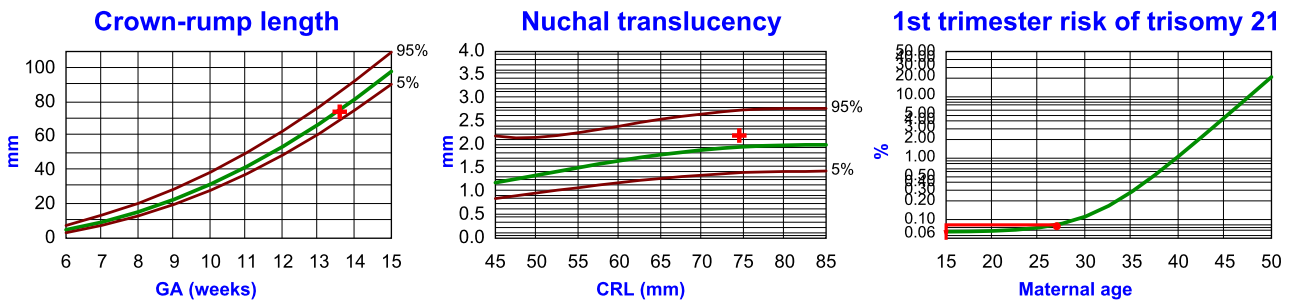
### FMF Operator: Kanchan Mukherjee, FMF Id: 38933

Condition	Background risk	Adjusted risk
Trisomy 21	1 in 1225	<1 in 20000
Trisomy 18	1 in 14458	<1 in 20000
Trisomy 13	<1 in 20000	<1 in 20000

The background risk for aneuploidies is based on maternal age (26 years). The adjusted risk is the risk at term, calculated on the basis of the background risk, ultrasound factors (fetal nuchal translucency thickness, nasal bone) and maternal serum biochemistry (PAPP-A, free beta-hCG).

Biochemical marker medians used to calculate MoMs are corrected as necessary according to several maternal characteristics including racial origin, weight, height, smoking, method of conception and parity.

The estimated risk is calculated by the FMF-2018 software (version 4.4) and is based on findings from extensive research coordinated by the Fetal Medicine Foundation (UK Registered charity 1037116). The risk is only valid if the ultrasound scan was performed by a sonographer who has been accredited by the Fetal Medicine Foundation and has submitted results for regular audit (see [www.fetalmedicine.org](http://www.fetalmedicine.org)).



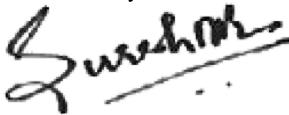
### Comments

INTERPRETATION : The first trimester screening for the given sample is found **SCREEN NEGATIVE** .  
Please Note: The above interpretation is based on a cut off of 1:250 for T21 , 1:100 for T13 & T18

### Suggestion:

In view of free Beta HCG MoMs observed in the mother, focused serial surveillance for assessment of fetal growth can be considered.

Reviewed By



Dr. Suresh Bhanushali MD (Path)  
Consultant Pathologist

### Notes

1. Quality of the Down's syndrome screening program (Biochemical values, MoMs and Risk assessments) monitored by UKNEQAS on an ongoing basis.
2. This interpretation assumes that patient and specimen details are accurate and correct.
3. Lilac Insights does not bear responsibility for the NT & CRL measurements.
4. This is a risk estimation test and not a diagnostic test. An increased risk result does not mean that the fetus is affected and a low risk result does not mean that the fetus is unaffected.