



QUADRUPLE MARKER

PATIENT INFORMATION

NAME: Mrs. SHIPRA VARSHNEY
PATIENT CODE: C7421124
DOB: 15/01/1991 (DDMMYYYY)
LMP:
PHYSICIAN:

CLINICAL INFORMATION

GESTATIONAL AGE: 21 weeks 3 days from BPD of 46.0 mm on 22/07/2025
MATERNAL AGE AT TERM: 34.9 years
MATERNAL WEIGHT: 74.7 kg
MATERNAL RACE: INDIAN
MATERNAL HISTORY: IDDM(N), SMOKER(N), RH(N), VPA(U), SSRI(U),
CBZ(U), IVF(N)
GESTATION: Twins
SCREENING STATUS: Initial sample
PARA / GRAVIDA: 0 / 1

SPECIMEN

SPECIMEN CODE: NA
COLLECTION DATE: 02/08/2025

RECEIVED: 02/08/2025
REFERRING LAB #: NA
REPORTED: 02/08/2025

CLINICAL RESULTS

| | Second Trimester | Assay Results | MoM | |
|----------------------------------|------------------|-----------------|------|--|
| | AFP | 206.3 ng/mL | 3.35 | |
| | uE3 | 3.13 ng/mL | 1.35 | |
| | hCG | 12.3 IU/mL | 0.59 | |
| | DIA | 655.7 pg/ml | 2.79 | |
| Risk Assessment (at term) | | Cutoff | | |
| Down Syndrome | ~1:47900 | 1:250 | | |
| Age alone | 1:413 | | | |
| OSB: | 1:601 | 1:46(4.97 MoMs) | | |
| Trisomy 18 | ~1:2090 | 1:100 | | |

DS
serum screen
age only

OSB
serum screen
population prevalence

T18
serum screen
background risk

Interpretation*

DOWN SYNDROME

Screen Negative

This patient's relative risk for Down syndrome has been determined by dividing the assay results by the average analyte level in twin pregnancies, and then calculating the risk associated with a singleton pregnancy. This relative risk calculation places the patient below the screening cut-off for Down syndrome.

OPEN SPINA BIFIDA

Screen Negative

The maternal serum AFP result is NOT elevated for a TWIN pregnancy of this gestational age. The risk of an open neural tube defect is less than the risk at the TWIN screening cut-off. Twin pregnancies have serum AFP concentrations that are twice those seen in singleton pregnancies.

TRISOMY 18

Screen Negative

Comments:

Accuracy of gestational age is essential for valid interpretation.

Reviewed by: _____