

(4) Mr. Muskan Kaur
Age - 22 Yr

Double Marker

DOB — 15/7/2003

EMP — 31/1/2025

Height — 5'5"

Weight — 77 Kg.

Referred by: DR. MANASI GULATI MBBS, MD

Patient ID 1:
E80580-25-03-31-112
Date 31-03-2025

First Trimester Risk Assessment

Patient: MUSKAN KAUR
DOB: 15-07-2003 (21 years)

Exam date: 31-03-2025

Indication: NT / NB/DV/TR SCAN
History: General Smoking: no
History

Method: Transabdominal ultrasound examination, Voluson E10. View: Good view
Pregnancy: Singleton pregnancy. Number of fetuses: 1

Dating	Date	Details	Gest. age	EDD
LMP	03-01-2025		12 w + 3 d	10-10-2025
Conception		Conception: spontaneous		
U/S	31-03-2025	based upon CRL	12 w + 4 d	09-10-2025
Agreed dating	based on ultrasound (CRL)		12 w + 4 d	09-10-2025

General Evaluation: Cardiac activity present
Placenta: Posterior, Grade-0.
Cord vessels: 3 vessel cord
Amniotic fluid: normal amount

Fetal Biometry	FHR	155 bpm		18%	Nasal bone	2.9 mm
	CRL	62.1 mm		43%	IT	1.6 mm
	NT	1.75 mm				

Fetal Doppler	Ductus Venosus:			
	PIV	0.82		24%

Impression: Normal ductus venosus doppler study

Maternal Doppler	Right uterine artery:			
	PI	1.54		40%
	Left uterine artery:			
	PI	1.05		4%
	Mean PI	1.30		16%

Impression: Normal uteroplacental resistance.

Maternal Structure: Cervix
Cervical length 39.7 mm

Risk Factors: Maternal Age: 21 yrs. Height 165 cm, 5 ft 5 in. Weight 77 kg, 170 lb. Ethnic origin:

विधि डायग्नोस्टिक एंड रिसर्च सेंटर

Special Focus on Fetal Medicine

Dr. Amit Modi
MBBS, DMRD, Consultant Radiologist
Certified By:
FME-UK (Fetal Medicine Foundation)
FME ID: 286795
Member of International Society of Ultrasound
in Obstetrics and Gynecology (ISUOG)

Dr. Vidhi Modi
MBBS, MD
Consultant Pathologist

ISO

9001:2015

ISO (अंतर्राष्ट्रीय मानकीकरण संगठन) ने स्वास्थ्य सेवा प्रदाताओं को विश्वव्यापी मानक प्रदान किया है।

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Character-
istics and
History

Indian. Smoking currently: no. Conception: spontaneous
Diabetes mellitus: no. History of chronic hypertension: no. Systemic lupus
erythematosus: no. Antiphospholipid syndrome: no. Maternal family history
of preeclampsia: no
Parity (pregnancies after 23 weeks): nulliparous
Previous pregnancy with preeclampsia: no. Previous pregnancy with fetal
growth restriction: no

U/S Markers

Nasal bone: present. Tricuspid regurgitation: absent. Fetal cardiac activity:
present. FHR 155 bpm. Ductus ven. PIV 0.82. Holoprosencephaly: no.
Diaphragmatic hernia: no. AV-septal defect: no. Exomphalos: no.
Megacystis ≥ 7 mm: no.

Biophysical
Markers

A. uterine mean PI 1.30, equivalent to 0.7923 MoM.
Mean MAP 74.9 mmHg, equivalent to 0.8480 MoM.

Risk Assess-
ment

Chosen trisomy screening option: Tr21, Tr18 and Tr13.

Risk at time of screening	Trisomy 21	Trisomy 18	Trisomy 13
Background risk	1 in 1,065	1 in 2,580	1 in 8,098
Adjusted risk	< 1 in 20 000	< 1 in 20 000	< 1 in 20 000

The background risk is based on maternal age. The adjusted risk (risk at time of screening) is calculated on the basis of the background risk, ultrasound markers (nuchal translucency, nasal bone, ductus venosus Doppler, tricuspid Doppler and fetal heart rate).

Risk for preeclampsia before 37 weeks 1 in 1,185.

Risk for fetal growth restriction before 37 weeks 1 in 325.

The risk for preeclampsia is based on maternal history, mean arterial pressure and uterine artery mean-PI. The risk for fetal growth restriction is based on maternal history, mean arterial pressure and uterine artery mean-PI.

The risk assessment was performed by AMIT MODI. The estimated risk is calculated by the FME-01-04-2016 software 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.com).

Impression

Single Intrauterine Gestational Sac With Foetal Pole Is Seen At The Time Of Examination Of About 12 weeks 4 days Gestational Age .

Expected Date Of Delivery By Ultrasound: 09-10-2025.

Normal NT & DV.

Normal ossified nasal bone.

No evidence of TR.

Adjusted at the time of screening ,Low risk for trisomy 21 (1 in 21304) , trisomy 18 (1 in 51591) , trisomy 13 (1 in 161964).

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SD अल्ट्रासाउंड सेंटर

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atal Bhairavi Mandir. Beside Nirankari Furniture, Infront of PTS, R.K. Nagar, Rajnandgaon (C.G.)



Normal uteroplacental resistance.



