

Dr. Vinay Chopra
 MD (Pathology & Microbiology)
 Chairman & Consultant Pathologist

Dr. Yugam Chopra
 MD (Pathology)
 CEO & Consultant Pathologist

NAME	: Mrs. KAVITA W/O RAHUL	PATIENT ID	: 1610276
AGE/ GENDER	: 25 YRS/FEMALE	REG. NO./LAB NO.	: 012409110067
COLLECTED BY	:	REGISTRATION DATE	: 11/Sep/2024 07:30 PM
REFERRED BY	:	COLLECTION DATE	: 11/Sep/2024 07:32PM
BARCODE NO.	: 01516787	REPORTING DATE	: 11/Sep/2024 09:32PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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ENDOCRINOLOGY

BETA HCG - TOTAL (QUANTITATIVE): MATERNAL


BETA HCG TOTAL, PREGNANCY MATERNAL: < 1.20 mIU/mL < 5.0
 SERUM


by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)

INTERPRETATION:

MEN:	mIU/ml	< 2.0
NON PREGNANT PRE-MENOPAUSAL WOMEN:	mIU/ml	< 5.0
MENOPAUSAL WOMEN:	mIU/ml	< 7.0
BETA HCG EXPECTED VALUES IN ACCORDANCE TO WEEKS OF GESTATIONAL AGE		
WEEKS OF GESTATION	Unit	Value
4-5	mIU/ml	1500 - 23000
5-6	mIU/ml	3400 - 135300
6-7	mIU/ml	10500 - 161000
7-8	mIU/ml	18000 - 209000
8-9	mIU/ml	37500 - 219000
9-10	mIU/ml	42800 - 218000
10-11	mIU/ml	33700 - 218700
11-12	mIU/ml	21800 - 193200
12-13	mIU/ml	20300 - 166100
13-14	mIU/ml	15400 - 190000
2rd TRIMESTER	mIU/ml	2800 - 176100
3rd TRIMESTER	mIU/ml	2800 - 144400




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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

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1. hCG is a Glycoprotein with alpha and beta chains. Beta subunit is specific to hCG.
 2. It is largely secreted by trophoblastic tissue. Small amounts may be secreted by fetal tissues and by the adult ant pituitary.
INCREASED :
 1. Pregnancy
 2. Gestational site & Non gestational trophoblastic neoplasia.
 3. In mixed germ cell tumors.

SIGNIFICANTLY HIGHER THAN EXPECTED LEVEL:

1. Multiple pregnancies & High risk molar pregnancies are usually associated with levels in excess of one lac mIU/ml.
 2. Erythroblastosis fetalis & Down's syndrome.

DECREASED:

1. Ectopic pregnancy.
 2. Intra-uterine fetal death.

NOTE:

1. The test becomes positive 7-9 days after the midcycle surge that precedes ovulation (time of blastocyst implantation). Blood levels rise rapidly after this and double every 1.4 - 2 days.
 2. Peak values are usually seen at 60-80 days of LMP. The levels then begin to taper and ebb out around the 20th week. These low levels are then maintained throughout pregnancy.
 3. Doubling time: In intra-uterine pregnancy, serum hCG levels increase by approximately 66% every 48 hrs. Inappropriately rising serum hCG levels are suggestive of dying or ectopic pregnancy.

CAUTION:

Spuriously high levels (Phantom hCG) may be seen in presence of heterophilic antibodies (found in some normal people). If persistently raised levels are seen in a non-pregnant patient with no evidence of other obvious causes for such an increase a urine hCG assay may help confirm presence of the heterophile antibodies.

*** End Of Report ***



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