

Name : TESTNOW

Patient ID : SC23F000002

Gender : Male

Place : Bangalore

Age : 62

A/c Status :

Lab No. : SC1

Ref By : me

Date & Time : 10/07/2024 21:09:15



Test Category	Test Name	Results	Units	Blo. Ref. Interval
Hormonal Marker	β-hCG	10*	mIU/ml	<5

Interpretation

For females

Pregnancy – Weeks post LMP	HCG levels in mIU/mL
4	5 – 100
5	200 – 3000
6	10000 – 80000
7 – 14	90000 – 500000
15 – 26	5000 – 80000
27 – 40	3000 – 15000
Non – Pregnant	<5
Trophoblastic Disease	>100000

Comments

Beta HCG levels rise geometrically in the serum in the first 8 weeks of pregnancy. Detectable amounts of beta HCG are present 8-11 days after conception. During the second to fifth week, HCG levels double in about 1.5 days. After 5 weeks of gestation, the doubling time gradually increases to 2-3 days. Serial determination of HCG is helpful when abnormal pregnancy is suspected. In ectopic pregnancy and spontaneous abortion HCG concentration increases slowly or decreases. Ultrasonography should detect a gestational sac in the uterus of all patients having HCG concentration > 6500 mIU/mL. Failure to detect a gestational sac 24 days or more after conception is presumptive evidence of ectopic pregnancy. The presence of twins approximately doubles the HCG concentration.

Note

1. Consistently elevated HCG levels may be due to the presence of heterophilic antibodies, non-specific protein binding & HCG like substances
2. False negative / positive results may be seen in patients receiving mouse monoclonal antibodies for diagnosis or therapy
3. This test is not recommended to screen Germ cell tumors in the general population.

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#### Clinical Use –

1. Detect pregnancy & its abnormalities (ectopic & molar pregnancy)
2. Screening of Down Syndrome & Trisomy 18
3. An aid in the management of Trophoblastic tumors. HCG is elevated in nearly all patients and correlates with tumor volume and disease prognosis. It is also useful in monitoring therapy. Persistent HCG levels following therapy indicate the presence of residual disease. During chemotherapy, weekly HCG measurement is recommended. After remission is achieved, yearly HCG measurement is recommended to detect relapse.
4. Monitoring Germ cell tumors, Non seminomatous testicular tumors & less frequently Seminomas. HCG alone is useful in identifying Trophoblastic tumors, and alongwith AFP in detecting Non seminomatous testicular tumors

#### Increased Levels –

- Testicular tumors
- Ovarian Germ cell tumors
- Gestational Trophoblastic disease
- Non germ cell tumors – Melanoma & Carcinomas of breast, GI Tract, Lung & Ovary
- Benign conditions like Cirrhosis, Duodenal ulcer and Inflammatory bowel disease

#### IMPORTANT INSTRUCTIONS

- Test results pertain to specimen submitted
- All test results are dependent on the quality of sample received
- Investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the referring physician
- Report delivery may be delayed due to unforeseen conditions
- Certain tests may require further testing at additional costs for derivation of exact value
- Test results may show Inter/Intra laboratory variations
- The courts of Delhi shall have exclusive jurisdiction in all disputes/claims concerning test(s) and/or result of test(s)
- Test results are not valid for medico legal purposes.

Signature

-----End Of Test-----