



LABORATORY REPORT



Name : **Ms. Shabnam K. Kumari** Registration on : 26-Feb-2022 10:46
Lab ID : **022221203286** Ref. Id : Collected on :
Sex/Age : **Female / 29 Years** Approved on : 26-Feb-2022 13:32
Ref. By : Sample Type : EDTA Blood
Location : Bob Health Checkup@Godhra Patient Source :

COMPLETE BOOD COUNT

Test	Result	Unit	Biological Ref. Interval
HB and Indices			
Hemoglobin	12.3	g/dL	12.0 - 16.0
RBC Count	4.27	million/cmm	3.8 - 4.8
Hematocrit	36.8	%	36 - 48
MCV	86.2	fL	83 - 101
MCH	28.8	pg	26.4 - 33.2
MCHC	33.4	g/dL	31.8 - 35.9
RDW CV	13.20	%	11.6 - 14
Total WBC and Differential Count			
WBC Count	6360	/cmm	4000 - 10000
Differential Count			
Neutrophils	58.8	% 40 - 80	3740 /cmm 2000 - 6700
Lymphocytes	27.0	% 20 - 40	1717 /cmm 1000 - 3000
Eosinophils	4.2	% 1 - 6	267 /cmm 20 - 500
Monocytes	9.1	% 2 - 10	579 /cmm 200 - 1000
Basophils	0.9	% 0 - 2	57 /cmm 0 - 100
Platelet Count			
Platelet Count	278000	/cmm	150000 - 410000
Erythrocytes Sedimentation Rate			
ESR	18	mm/1hr	0 - 21

Dr. Yugma Trivedi
MD (Path)

Dr. Harsh shah
M.D., D.N.B.

Dr. Farzana Vali
M.B., D.C.P.

Referred Test

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Report Status: Interim

Printed on: 03-Mar-2022 11:00



LABORATORY REPORT



Name : Ms. Shabnam K. Kumari Registration on : 26-Feb-2022 10:46
Lab ID : 022221203286 Ref. Id : Collected on :
Sex/Age : Female / 29 Years Approved on : 26-Feb-2022 13:42
Ref. By : Sample Type : Serum
Location : Bob Health Checkup@Godhra Patient Source :

Test	Result	Unit	Biological Ref. Interval
Fasting Blood Sugar	95.5		70 - 110
Fasting Urine Sugar	Not Given		Absent
Creatinine, Serum <i>Modified Jaffe's method</i>	0.76	mg/dL	0.4 - 1.4
Urea <i>Urease Glutamate Dehydrogenase, UV method</i>	30.5	mg/dL	13 - 40
Uric Acid <i>Uricase-Peroxidase method</i>	5.90	mg/dL	2.6 - 6.0
SGPT <i>IFCC method without pyridoxal phosphate activation</i>	H 47.7	U/L	0 - 45
SGOT <i>IFCC method without pyridoxal phosphate activation</i>	28.1	U/L	5 - 40
GGT <i>L-γ-glutamyl-glycylglycine</i>	24.6	U/L	5 - 50
Alkaline Phosphatase <i>NPP-AMP Buffer</i>	H 134.0	U/L	42 - 98
Bilirubin			
Total Bilirubin <i>Diazo reaction</i>	0.26	mg/dL	0.2 - 1.3
Direct Bilirubin <i>Diazo reaction</i>	0.13	mg/dL	0.0 - 0.4
Indirect Bilirubin <i>Calculated</i>	0.13	mg/dL	0.1 - 1.1
Protein			
Total Protein <i>Biuret method</i>	7.25	g/dL	6.0 - 8.5
Albumin <i>BCG</i>	4.45	g/dL	3.5 - 5.2
Globulin	2.80	g/dL	2.2 - 3.0
A/G Ratio <i>Calculated</i>	1.59		1.3 - 1.7

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Name : Ms. Shabnam K. Kumari Registration on : 26-Feb-2022 10:46
Lab ID : 022221203286 Ref. Id : Collected on :
Sex/Age : Female / 29 Years Approved on : 26-Feb-2022 13:43
Ref. By : Sample Type : Serum
Location : Bob Health Checkup@Godhra Patient Source :

Lipid Profile

Test	Result	Unit	Biological Ref. Interval
Cholesterol <i>Cholesterol oxidase, Esterase, Peroxidase</i>	H 201.0	mg/dL	Desirable : <200 Borderline High : 200-239 High : >240
Triglyceride <i>GPO-POD</i>	147.2	mg/dL	Normal : < 150 Borderline : 150-199 High : 200-499 Very High : > 500
HDL Cholesterol <i>PTA/MgCl2</i>	49.9	mg/dL	Low : <40.0 High : >60.0
Direct LDL <i>Direct measured</i>	117.40	mg/dL	Optimal : < 100 Near / above optimal : 100-129 Borderline High : 130-159 High : 160-189 Very High : >190
VLDL <i>Calculated</i>	29.44	mg/dL	15 - 35
CHOL/HDL Ratio <i>Calculated</i>	4.0		Up to 5.0
LDL/HDL Ratio <i>Calculated</i>	2.4		Up to 3.5

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Sex/Age : Female / 29 Years Approved on : 26-Feb-2022 13:43
Ref. By : Sample Type : EDTA Sample
Location : Bob Health Checkup@Godhra Patient Source :

HbA1c (Glycosylated Hemoglobin)

Test	Result	Unit	Biological Ref. Interval
HbA1c	5.25	%	For Screening: Diabetes: >6.5% Pre-Diabetes: 5.7% - 6.4% Non-Diabetes: < 5.7% For Diabetic Patient: Poor Control : > 7.0 % Good Control : 6.0-7.0 %
Mean Blood Glucose <small>Calculated</small>	103.97	mg/dL	

Explanation:-

- Total haemoglobin A1 c is continuously synthesized in the red blood cell through its 120 days life span. The concentration of HBA1c in the cell reflects the average blood glucose concentration it encounters.
- The level of HBA1c increases proportionately in patients with uncontrolled diabetes. It reflects the average blood glucose concentration over an extended time period and remains unaffected by short-term fluctuations in blood glucose levels.
- The measurement of HbA1c can serve as a convenient test for evaluating the adequacy of diabetic control and in preventing various diabetic complications. Because the average half life of a red blood cell is sixty days, HbA1c has been accepted as a measurement which reflects the mean daily blood glucose concentration, better than fasting blood glucose determination, and the degree of carbohydrate imbalance over the preceding two months.
- It may also provide a better index of control of the diabetic patient without resorting to glucose loading procedures.

HbA1c assay Interferences:

Erroneous values might be obtained from samples with abnormally elevated quantities of other Haemoglobins as a result of either their simultaneous elution with HbA1c (HbF) or differences in their glycation from that of HbA (HbS).

Reference: ADA Guideline 2020

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Thyroid Function Test

Test	Result	Unit	Biological Ref. Interval
T3 - Triiodothyronine <small>CMIA</small>	1.11	ng/mL	0.58 - 1.59
T4 - Thyroxine <small>CMIA</small>	7.85	micro g/dL	5.13 - 14.06
TSH - Thyroid Stimulating Hormone <small>CMIA</small>	0.9200	microIU/mL	0.35 - 4.94

TSH	T3/FT3	T4/FT4	Suggested Interpretation for the Thyroid Function Tests Pattern
Within Range	Decreased	Within Range	- Isolated Low T3-offen seen in elderly & associated Non-Thyroidal illness. In elderly the drop in T3 level can be upto 25%
Raised	Within Range	Within Range	- Isolated High TSH especially in the range of 4.7 to 15 mIU/ml is commonly associated with physiological & Biological TSH Variability. - Subclinical Autoimmune Hypothyroidism - Intermittent T4 therapy for hypothyroidism - Recovery phase after Non-Thyroidal illness
Raised	Decreased	Decreased	- Chronic autoimmune Thyroiditis - Post thyroidectomy, Post radiiodine - Hypothyroid phase of transient thyroiditis
Raised or Within Range	Raised	Raised or Within range	- Interfering antibodies to thyroid hormones (anti-TPO antibodies) - intermittent T4 therapy or T4 overdose - Drug interference-Amiodarone, Heparin, Beta blockers, steroids, anti-epileptics
Decreased	Raised or within Range	Raised or within Range	- Isolated Low TSH - especially in the range of 0.1 to 0.4 often seen in elderly & associated with Non-Thyroidal illness - Subclinical Hyperthyroidism - Thyroxine ingestion
Decreased	Decreased	Decreased	- Central Hypothyroidism - Non-Thyroidal illness - Recent treatment for Hyperthyroidism (TSH remains suppressed)
Decreased	Raised	Raised	- Primary Hyperthyroidism (Graves disease), Multinodular goitre Toxic nodule - Transient thyroiditis:Postpartum, Silent (lymphocytic), Postviral (granulomatous, subacute, DeQuervain'a) Gestational thyrotoxicosis with hyperemesis gravidarum
Decreased or within range	Raised	Within Range	- T3 toxicosis - Non-Thyroidal illness

----- End Of Report -----

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