



Shri Panchnath Sarvajanik Medical Trust

Reg. E 7629

Managed

Smt. Manglaben Dayabhai Kotecha Hospital

Panchnath Temple, Limda Chowk, Rajkot-360001. Ph. 2223249

Email :- Panchnathtrust@gmail.com. Website :- www.Panchnath.in.

Facebook :- <https://www.facebook.com/panchnathmahadev>



* 6 1 5 5 *

Patient's name : ALOK KUMAR

Age/Sex : 32 Years/Male

Referred by : C/o. Mediwheel (arcofemi Healthcare Ltd)

Reg. ID : P-55190-21

Sample No. : 6155

Order Dt/time : 06/11/2021 09:10

BLOOD GROUP- (ABO, Rh)

ABO System : "B"

Rh Typing : "POSITIVE"

Dr. Pravin Gojiya
M.D. (Path)

Print Date Time : 12/11/2021 10:39



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HEMOGRAM

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Normal Range</u>
Hemoglobin	: 14.2	g/dl	[13.0-18.0]
Total RBC Count	: 5.17	mill/cmm	[4.7-6.0]
RBC Indices			
P.C.V	: 45.0	%	[42-52]
M.C.V.	: 87.0	femtolitre	[78-100]
M.C.H.	: 27.5	pg	[27-31]
M.C.H.C.	: 31.7	g/dl	[32-36]
R.D.W.	: 13.1	%	[11.5-14.0]
Total WBC Count	: 5700	/cmm	[4000-11000]
Differential WBC Count			
Polymorphs	: 56	%	[40-70]
Lymphocytes	: 34	%	[20-40]
Eosinophils	: 02	%	[01-05]
Monocytes	: 08	%	[02-08]
Basophils	: 00	%	[00-01]
Platelet Count	: 166000	/cmm	[150000-450000]
Platelet Indices			
M.P.V	: 13.8	femtolitre	[7.4-10.4]
P.D.W	: 16.6	%	[9-16]
P.C.T	: 0.228	%	[0.110-0.280]

Test performed on 6 part / 5 part hematology cell counter.

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ERYTHROCYTE SEDIMENTATION RATE (ESR)

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Normal Range</u>
After 1 hour	: 11	mm	[M: 1 - 7 / F: 3 - 12]

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FASTING BLOOD SUGAR

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Normal Range</u>
Fasting blood sugar	: 110.0	mg/dl	Non Diabetic: 70 - 109 Impaired : 110 - 125 Diabetic: >126
Fasting urine sugar	: Nil	-	
Fasting urine Ketone	: Absent		

Test performed on fully automated SIEMENS DIMENSION EXL-200.

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Gamma Glutamyltransferase (GGT)

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Normal Range</u>
G.G.T.	: 25.0	U/L	15-85

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HbA1c [Glycosylated Haemoglobin]

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Reference Range (%)</u>
Glycosylated Haemoglobin : 5.2 (HbA1c)		%	Non Diabetic Level: 4 - 6 Therapy Range: <7 Change of Therapy: >8
Estimated Average glucose : 102.54		mg/dl	70-126

Method : By HPLC (Performed on Biorad D10)

Interference:

- Elevated fetal haemoglobin (HbF) variant may cause falsely elevated HbA1c result.
- Conditions that shortens RBC life span (e.g. recovery from acute blood loss, hemolytic anemia) will falsely lower HbA1c test results.
- Iron deficiency anemia is associated with higher HbA1c concentration and iron replacement therapy lowers HbA1c concentrations.
- Clinical correlation and alternate methods of glucose estimation should be consider in above interference cases.

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LIPID PROFILE

<u>TEST</u>	<u>RESULTS</u>	<u>UNITS</u>	<u>NORMAL VALUES</u>
Cholesterol	: 187.0	mg/dl	Desirable level/low risk : < 200 Borderline level/moderate risk : 200-239 Elevated level/ high risk : > 240
Triglyceride	: 102.0	mg/dl	Normal : <150 Borderline high :150-200 High : 200 -499 Very high: >500
HDL Cholesterol	: 38.0	mg/dl	Low risk : >60 Moderate risk : 35-60 High risk : <35
LDL Cholesterol (Direct)	: 127.0	mg/dl	Desirable level/low risk : <130 Borderline level/moderate risk : 130-159 Elevated level/ high risk : >160
VLDL	: 20.4	mg/dl	Upto 34
Chol./HDL Ratio	: 4.9		3.5-5
LDL/HDL Ratio	: 3.3		2.5-3.5

Test performed on fully automated SIEMENS DIMENSION EXL-200.

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LIVER FUNCTION TEST

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Normal Range</u>
S.G.P.T. (ALT)	: 33.0	IU/L	[16-63]
S.G.O.T. (AST)	: 19.0	IU/L	[15-37]
S. Alkaline Phosphatase	: 106.0	IU/L	[50-136]
S. Bilirubin (Total)	: 1.0	mg/dl	[0.2-1.0]
S. Bilirubin (Direct)	: 0.1	mg/dl	[0.0-0.2]
S. Bilirubin (Indirect)	: 0.9	mg/dl	[0.0-0.9]
S. Proteins: (Total)	: 7.9	gm/dl	[6.4-8.2]
S. Albumin	: 4.1	gm/dl	[3.4-5.0]
S. Globulin	: 3.8	gm/dl	[2.5-3.5]
A/G Ratio	: 1.1		

Test performed on fully automated SIEMENS DIMENSION EXL-200

HBsAg : Non Reactive
(Hepatitis B surface antigen)
(Method: Immunochromatography)

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POSTPRANDIAL BLOOD SUGAR

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Normal Range</u>
Post prandial bl.sugar	: 99.0	mg/dl	Non Diabetic: < 140 Impaired : 140 - 200 Diabetic: > 200
Post prandial urine sugar	: Nil		
Post prandial urine Ketone	: Absent		

Test performed on fully automated SIEMENS DIMENSION EXL-200.



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Thyroid Hormone Study

Test	Result	Unit	Referance Range
Serum T3	: 0.89	ng/ml	0.60-1.81
Serum T4	: 10.3	µg/dl	3.2-12.6
Serum TSH (Ultrasensitive- TSH3UL)	: 3.089	µIU/ml	0.55-4.78

Pregnancy Ref. Range:
1st Trimester- 0.1-2.5
2nd Trimester- 0.2-3.0
3rd Trimester- 0.3-3.0

The test is done on fully automated ADVIA Centaur CP - USA by ECLIA Method.

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BLOOD UREA NITROGEN/CREATININE RATIO

Test	Result	Unit	Normal Range
Blood Urea	: 22.0	mg/dl	14.9-38.5
Blood Urea Nitrogen(BUN)	: 10.3	mg/dl	7-21
Creatinine	: 0.97	mg/dl	0.70 -1.30
BUN/Creatinine Ratio	: 10.6		

The test is carried out on fully automated Siemens Dimension EXL-200

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SERUM URIC ACID

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Normal Range</u>
Serum uric acid	: 6.1	mg/dl	[3.5-7.2]

Test performed on fully automated SIEMENS DIMENSION EXL-200.

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URINE EXAMINATION

PHYSICAL EXAMINATION:

Volume - 20 ml
 Colour - Pale Yellow
 Blood - Absent
 Appearance - Clear
 Deposit - Absent

CHEMICAL EXAMINATION:

Sp. Gravity - 1.025
 Protein - Absent
 Glucose - Absent
 Ketone - Absent
 Urobilinogens - Normal
 Bile Salts - Absent
 Bile Pigments - Absent
 Reaction - 5.0

MICROSCOPIC EXAMINATION: [After centrifugation at 2000 r.p.m. for 5 minutes]

Pus Cells - 1-2 /H.P.F.
 Red Cells - 2-4 /H.P.F.
 Epithelial Cells - 0-1 /H.P.F.
 Casts - Absent
 Crystals - Absent
 Yeast Cells - Absent
 Trichomonas Vag. - Absent
 Bacteria - Absent

Test is performed on 10 parameter semiauto urine chemistry analyser- Uriscan-PRO.

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