

Booking Number : 7086955505128

Patient name : PATHOGENIE\_TESTING

Age/Gender : 25 Y / Male

Membership No : 7077486323397

Referred By : SELF

Report Type : Final

Booking Date and Time : 23/02/2024|7:09 PM

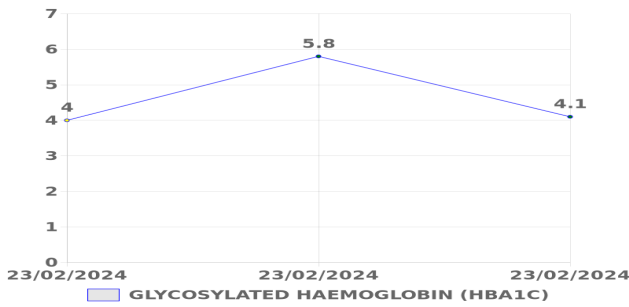
Collection Date And Time : 23/02/2024|7:09 PM

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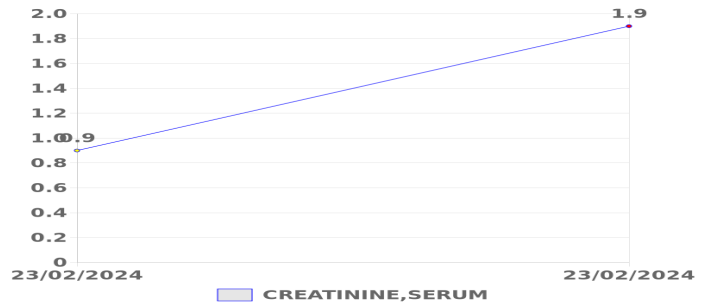
Report Date Time : 23/02/2024|7:18 PM

**Report Summary**  
**Graphical Representation**

**Glycosylated Haemoglobin (HbA1c)**



**Creatinine, Serum**



**Key Abnormal Values**

Parameter	Value	Unit	Biological Ref.Range	Method
<b><u>SGOT/AST</u></b>				
SGOT, Serum	45	U/L	10-40	IFCC
<b><u>Bilirubin</u></b>				
Bilirubin (Total), Serum	1.3	mg/dl	0.3-1.2	Modified TAB

----- End of Summary -----



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**Complete Blood Count (CBC)**

Parameter	Value	Unit	Biological Ref.Range	Method
Erythrocyte Count	5	mil/cmm	4.7-6	Impedance
Haemoglobin	18	g/dl	13.5-18	Spectrophotometry
Leukocyte Count	5885	/cmm	4000-11000	Impedance
Platelet Count	4.2	Lakhs/cmm	1.5-4.5	Impedance
<b><u>RBC Indices</u></b>				
P.C.V.	50	%	42-52	Calculated
M.C.V.	80	fl	78-100	Calculated
M.C.H.	31	pg	27-32	Calculated
M.C.H.C.	35	%	32-36	Calculated
R.D.W.	11	%	11.5-16.5	Calculated
<b><u>WBC Differential Counts</u></b>				
Neutrophils	50	%	50-70	Calculated
Absolute Neutrophils Count	2943		2000-7500	Calculated
Lymphocytes	30	%	20-40	Calculated
Absolute Lymphocytes Count	1766		1000-3000	Calculated
Eosinophils	5	%	<= 9	Calculated
Absolute Eosinophils Count	294		20-500	Calculated
Monocytes	10	%	<= 10	Calculated
Absolute Monocytes Count	589		200-800	Calculated
Basophils	1	%	<= 1	Calculated
Absolute Basophils Count	59		<= 100	Calculated
<b><u>Peripheral Smear findings</u></b>				
RBC Morphology	Normochromic Normocytic			-

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### Renal Profile (RFT)

Parameter	Value	Unit	Biological Ref.Range	Method
Urea,Serum	16	mg/dl	15-39	Urease/GLDH
Blood Urea Nitrogen (BUN),Serum	7.5	mg/dl	7-18	Urease/GLDH
Creatinine,Serum	<b>1.9</b>	mg/dl	0.9-1.3	Enzymatic
eGFR (CKD - EPI 2021)	<b>47.9</b>	mL/min/1.73m2	>=60	CKD-EPI
Uric Acid,Serum	5	mg/dl	3.5-7.2	Uricase TOPS
Phosphorus,Serum	4	mg/dL	2.5-4.8	Ammonium molybdate
Calcium Total,Serum	9	mg/dl	8.5-11	Arsenazo III
Proteins,Serum	7	g/dl	6.4-8.3	Direct Biuret
Albumin,Serum	5	g/dl	3.2-5	BCG,Dye
Globulin,Serum	<b>2</b>	g/dl	2.3-3.5	Calculated
Albumin/Globulin ratio	2.5		2-2.5	Calculated
Sodium,Serum	135	meq/L	135-145	ISE
Potassium,Serum	5	meq/L	3.5-5.4	ISE
Chloride,Serum	101	meq/L	96-108	ISE

NOTE:

INTERPRETATION :

GFR >mL/min/1.73m2 is normal, unless there is other evidence of kidney disease in which case CKD is stage 1

GFR > 60 stage 1+2 CKD

GFR 30 - 60 stage 3 CKD

GFR < 30 stage 4+5 CKD

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### Liver Function Test (LFT)

Parameter	Value	Unit	Biological Ref.Range	Method
Bilirubin (Total),Serum	<b>1.3</b>	mg/dl	0.3-1.2	Modified TAB
Bilirubin (Direct),Serum	0.2	mg/dl	<= 0.4	Diazo
Bilirubin (Indirect),Serum	<b>1.1</b>	mg/dl	<= 0.6	Calculated
SGOT,Serum	<b>45</b>	U/L	10-40	IFCC
SGPT,Serum	40	U/L	<= 42	IFCC
Proteins,Serum	7	g/dl	6.4-8.3	Direct Biuret
Albumin,Serum	5	g/dl	3.2-5	BCG,Dye
Globulin,Serum	<b>2.0</b>	g/dl	2.3-3.5	Calculated
Albumin/Globulin ratio	2.5		2-2.5	Calculated
Alkaline Phosphatase,Serum	102	U/L	<= 115	IFCC

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**Lipid Profile**

Parameter	Value	Unit	Biological Ref.Range	Method
Cholesterol Total,Serum	195	mg/dl	< 200	CHOD-PAP
Triglyceride,Serum	145	mg/dl	< 150	GPO-TOPS
HDL (Direct),Serum	41	mg/dl	>=40	Selective Inhibition
LDL	<b>125.0</b>	mg/dl	< 100	Calculated
VLDL,Serum	29.0	mg/dl	5-30	Calculated
Non HDL Cholestrol	<b>154.0</b>	mg/dl	< 130	Calculated
Total Cholestrol/HDL ratio	<b>4.8</b>		<= 4.5	Calculated
LDL/HDL ratio	3.0		<= 3.5	Calculated

NOTE:

<p><b>Total Cholesterol :</b> Desirable: &lt;200 mg/dL. Borderline high: 200-239 mg/dL. High: &gt;240 mg/dL.</p>	<p><b>Fasting Triglycerides :</b> Desirable: &lt;150 mg/dL. Borderline high: 150-199 mg/dL. High: 200-499 mg/dL. Very high: &gt;499 mg/dL.</p>	<p><b>HDL Cholesterol (Good Cholesterol) :</b> Low: &lt;40 mg/dl for men, &lt;50 mg/dL for women. Desirable: 60 mg/dL or higher for both men and women.</p>
<p><b>Non HDL Cholesterol :</b> Optimal: &lt;130mg/dL. Above Optimal: 130-159mg/dL. Borderline high: 160-189mg/dL. High: 190-219mg/dL. Very High: &gt;220mg/dL.</p>	<p><b>HDL Cholesterol (Bad Cholesterol) :</b> Optimal: &lt;100 mg/dL. for those with known disease (ASCVD or diabetes), &lt;70 mg/dl is optimal. Near/above optimal: 100-129 mg/dL. Borderline high: 130-159 mg/dL. High: 160-189 mg/dL. Very high: &gt;190 mg/dL.</p>	<p><b>Total Cholesterol/HDL ratio :</b> Ratio below 5.1 is statistically associated with decreased incidence of heart disease.</p>

----- End of Test -----



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### Blood Sugar Fasting and PP

Parameter	Value	Unit	Biological Ref.Range	Method
Blood Sugar,Fasting	99	mg/dl	Normal: <= 100 Impaired Tolerance: 100-125 Diabetic Mellitus: >125	GOD- POD
Blood Sugar,Post Prandial	65	mg/dl	Normal: <= 140 Impaired Tolerance: 140-199 Diabetic Mellitus: >199	GOD- POD

----- End of Test -----



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### HbA1c

Parameter	Value	Unit	Biological Ref.Range	Method
Glycosylated Haemoglobin (HbA1c)	4.1	%	Healthy Adults: 4-5.7 Pre Diabetics: 5.7-6.4 Diabetic: $\geq 6.5$	Nephelometry
Mean Plasma Glucose	71.0		< 154	-

NOTE:

**Interpretation :**

All abnormal readings to be confirmed by repeat testing in patients with no prior history.

**Treatment goals in Diabetic patients :**

More than 8% : Action suggested

Less than 7% : Ideal level

Maintaining HbA1c levels to less than 7% will reduce risk of long term complications of Diabetes.

**Mean Plasma Glucose(mg/dl):**

AVERAGE GLUCOSE LEVEL FOR THE LAST 3 MONTHS

Mean Plasma Glucose estimated using the formula  $28.7 * (\% \text{ Glyco HB}) - 46.7$

IDEAL LEVEL IN DIABETIC PATIENTS UPTO 154 mg/dl

MPG can be reduced in patients treated for anemia and in case of decreased Red cell survival time like G6PD deficiency

----- End of Test -----



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**Urine Routine with Microscopy**

Parameter	Value	Unit	Biological Ref.Range	Method
<b><u>Physical examination</u></b>				
Quantity	5	ml	10	Manual
Colour	Pale Yellow		Pale Yellow	Manual
Appearance	Clear		Clear	Manual
Deposit	Absent		Absent	-
Reaction	6.0			-
Specific Gravity	1.005		1.01	-
<b><u>Chemical examination</u></b>				
Sugar	Absent		Absent	-
Acetone	<b>Trace</b>		Absent	-
Albumin	Absent		Absent	-
Bile Salt	Absent		Absent	Diazonium
Bile Pigments	Absent		Absent	Diazonium
Occult Blood	Absent		Absent	Peroxidase
<b><u>Microscopic examination</u></b>				
Red Cells (RBC)	Absent	/hpf	Absent	Microscopy
Pus Cells	1-2	/hpf	1-2	Microscopy
Epithelial Cells	5-6	/hpf	1-2	Microscopy
Crystals	Absent		Absent	Microscopy
Casts	Absent		Absent	Microscopy
Bacteria	Absent	/hpf	Absent	Microscopy
Yeast Cells	<b>Occasional</b>		Absent	Microscopy

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