


Patient Name : PRAVIN .. NAINAVAT	Sample No. : SAMPLE-0106625 
Patient ID : CH-2024-0053328	Visit No. : OPD/2024/01/0001125
Age/Sex : 29y/Male	Call. Date : 27-Jan-2024 12:47
Referred By : RIPAL PATEL	S. Coll. Date : 27-Jan-2024 14:44
Ward : -	Report Date : 27-Jan-2024 15:20

Hemoglobin (HB)

Investigation	Result	Normal Value
Hemoglobin	14.2 gm/dl [NORMAL]	[M : 14-18, F : 12-16]

WBC

Investigation	Result	Normal Value
R.B.C Count :	5.24 mill./c.mm [NORMAL]	[M : 4.5 - 5.5 , F : 3.8 - 5.2]
WBC :	9690 /c.mm [NORMAL]	4000 - 10000

Platelet count

Investigation	Result	Normal Value
Platelets	3.36 Lakh/cmm [NORMAL]	1.5 - 4.5


WBC count - Differential

Investigation	Result	Normal Value
Polymorphs	62 % [NORMAL]	40 - 70
Lymphocytes	30 % [NORMAL]	20 - 40
Eosinophils	03 % [NORMAL]	1 - 6
Monocytes	05 % [NORMAL]	2 - 10
Basophils	00 % [NORMAL]	0 - 1

BLOOD UREA

Investigation	Result	Normal Value
Blood Urea	32 mg/dl [NORMAL]	15 - 40

S.Creatinine

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Investigation	Result	Normal Value
Serum Creatinine	1.02 mg/dl [NORMAL]	Male : 0.9 to 1.5 mg/dl Female : 0.8 to 1.2 mg/dl

BUN

Investigation	Result	Normal Value
BUN :	15 [NORMAL]	8.0 to 23.0 (mg/dl)

URIC ACID

Investigation	Result	Normal Value
Serum Uric Acid	7.28 mg/dl [HIGH]	Male : 2.5 to 7.0 Female : 1.5 to 6.0

ESR

Investigation	Result	Normal Value
ESR - After One Hour	08 mm [HIGH]	[M : 3 - 5, F : 4 - 7]

Blood Group

Investigation	Result	Normal Value
ABO :	O	
Rh :	Positive	

TSH

Investigation	Result	Normal Value
TSH :	0.87 uIU/ml [NORMAL]	0.34 to 4.5 (uIU/ml)


T3

Investigation	Result	Normal Value
T3-Triiodothyronine :	1.27 ng/ml [NORMAL]	0.69 to 2.15 (ng/ml)

T4

Investigation	Result	Normal Value
T4-thyroxine :	76.2 ng/ml [NORMAL]	52.0 to 127.0 (ng/mL)


LIPID PROFILE

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Investigation	Result	Normal Value
Serum Cholesterol (Chol) :	211.64 mg/dl	<200 mg/dl Desirable 200-239 mg/dl Boderline High > 240 mg/dl High
Serum Triglyceride :	222.62 mg/dl	<150 mg/dl Normal 150-199 mg/dl Boderline High 200-499 mg/dl High
S.HDL Cholesterol :	46.53 mg/dl	Men : >55, Wo : >65 Standread Risk Level Men : 35-55, Wo : 46-65 Risk Men : <35, Wo : <45
LDLC :	122.78 mg/dl	
VLDL :	42.33 mg/dl [HIGH]	10.0 to 30.0 (mg/dl)
LDL/HDL Ratio :	2.64 - [NORMAL]	< 3.5
TC / HDL Ratio :	4.55 - [NORMAL]	4.0 to 6.0
LDL (DIRECT) :	133.4 mg/dl [Border line high]	< 100.0 (Optimal), 100.0 to 120.0 (Near Optimal), 130.0 to 159.0 (Border line high), 160.0 to 189.0 (High), > 190.0 (Very high)

LIVER FUNCTION TEST


Investigation	Result	Normal Value
Total Bilirubin :	0.36 mg/dl [NORMAL]	0.0 to 1.2
Direct Bilirubin (DBIL) :	0.11 mg/dl [NORMAL]	0.0 to 0.30
ALT (SGPT) :	20.0 IU/L [NORMAL]	[0.0 - 40]
AST (SGOT) :	16.31 IU/L [NORMAL]	<= 45.0

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Alkaline Phosphatase (ALP) :	132.7 IU/L [NORMAL]	15 - 80 - : 37.0 to 147.0
Total Protein (TP) :	7.24 gm/dl [NORMAL]	[Adult 6.0 to 7.8]
Albumin (ALB) :	4.02 gm/dl [NORMAL]	3.5 to 5.0 (gm/dl)
Indirect Bilirubin (IBIL) :	0.25 [NORMAL]	0.0 to 0.75 (mg/dl)
Globulins :	3.22 gm/dl [NORMAL]	2.4 to 3.5 (gm/dl)
A/G Ratio :	1.24	

URINE R & M


Investigation	Result	Normal Value
Physical Examination :		
Quantity :	20 ml	
Colour :	Pale Yellow -	
Appearance :	Clear -	
Odour :	URINIOD -	
Reaction :	Acidic -	
Specific Gravity :	1.025 -	
Chemical Examination :		
Albumin :	Absent -	
Sugar :	Absent -	
Bile Salts :	Absent -	
Bile Pigments :	Absent -	
Acetone :	Absent -	
Urobilinogen :	Absent -	
Microscopie Examination :		
Pus Cells :	2-3 -	
RBCs :	Absent -	

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Epithelial cells : 3-4 -
Casts : Absent -
Crystals : Absent -

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HBA1C

Investigation	Result	Normal Value
Mean Blood Glucose	124 mg/dl	
Hb A 1c	5.95 %	> 8 : Action Suggested 7-8 : Good Control < 7 : Goal 6-7 : Near Normal Glycemia < 6 : Non-diabetic Level

Comments

Hb A1C also known as Glycosylated Haemoglobin is the most important test for the assessment of longterm Blood glucose control (also called glycemic control).

Hb A1C reflects mean glucose concentration over past 6-8 weeks and provides a much better indication of longterm glycemic control than blood glucose determination.

This reaction is irreversible & therefore remains unaffected glucose & Haemoglobin. Long term complications of diabetes such as Retinopathy (Eye-complications), nephropathy (Kidney-complications) & neuropathy (nerve complications) are potentially serious and can lead to blindness, kidney failure etc. Glycemic control as monitored by Hb A1C measurement is considered most important.

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