



SRD DIAGNOSTIC CENTRE



1000001249

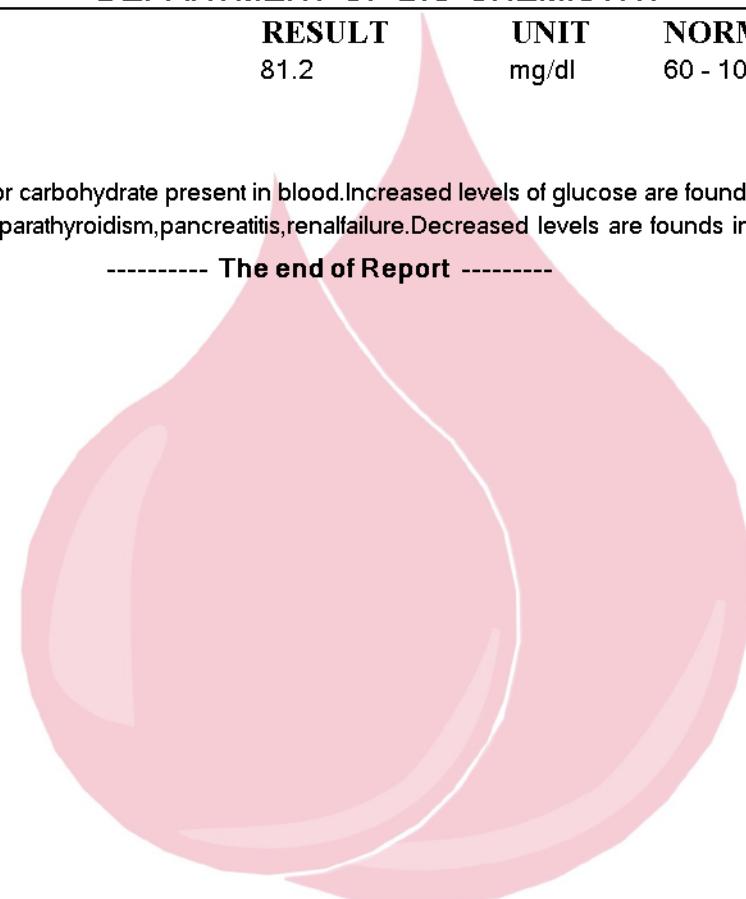
Patient Name	KIRAN AGARWAL	Patient ID	DD/1249	Reg. Date	12-01-2025
Patient Age	45 Years Sex F	Reg. No.	1249	Date Of Report	12-01-2025
Referred By	Dr. SELF			Print Date	13-01-2025

DEPARTMENT OF BIO-CHEMISTRY

TEST NAME	RESULT	UNIT	NORMAL RANGE
GLUCOSE FASTING Specimen : Plasma Method : God Pod	81.2	mg/dl	60 - 100 mg/dl

NOTE:- Glucose is the major carbohydrate present in blood. Increased levels of glucose are found in diabetes mellitus, hyper parathyroidism, pancreatitis, renal failure. Decreased levels are found in insulinoma, hypothyroidism, hypopituitarism.

----- The end of Report -----



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Pathologist

Dr. Debkumar Roy
MBBS, MD Consultant
Lab Medicine

Ambagan, Durgapur-713213, Paschim Bardhaman



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DEPARTMENT OF BIOCHEMISTRY

TEST NAME	RESULT	UNIT	NORMAL RANGE
HbA1C	4.60	%	Normal : 4.0 - 6.0 Good Control : 6.0 - 8.0 Poor Control : > 9.0
Estimated Average Glucose	114.0	mg/dl	Excellent control : 90 - 120 good control : 120 - 150 Fair control : 150 - 180 Action Suggested : 181 - 200 Panic Value : > 200
Expected Range	Gly Hb%	UNIT	
Normal	4.0 - 6.0	%	
Good Control	6.0 - 8.0	%	
Fair Control	8.0 - 9.0	%	
Poor Control	> 9.0	%	

INTERPRETATION:- HbA1C is specifically glycated by glucose. The glucose remains complexes to the hemoglobin molecule for the lifetime of the red cell and therefore the concentration of glycated hemoglobin circulating in red cells is a guide to the average blood glucose level over a period of the 8 - 12 weeks (lifespan of red cells).

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DEPARTMENT OF BIO-CHEMISTRY

TEST NAME	RESULT	UNIT	NORMAL RANGE
Serum Bilirubin (Total) Specimen : Serum (Diazo Method,end point)	0.90	mg/dl	(0 - 2.0)
Conjugated (Diazo Method,end point)	0.30	mg/dl	(0.1 - 0.3)
Unconjugated (Diazo Method,end point)	0.60	mg/dl	0.2 - 0.7 mg/dl
S.G.P.T (ALT) Specimen : Serum (IFCCMethod,Kinetic)	16.00	U/L	0 - 34 U/L
S.G.O.T (AST) Specimen : Serum (IFCCMethod,Kinetic)	20.00	U/L	0 - 31 U/L
Alkaline Phosphate Specimen : Serum Method : AMP	80.00	U/L	42-98 U/L
Serum Total Protein Specimen : Serum Method : Biuret,end point	6.70	mg/dl	(6.6 - 8.3)
Albumin Specimen : Serum (BCG Dye method,end point)	3.70	mg/dl	(3.5 - 5.2)
Globulin	3.00	mg/dl	(2.8 - 3.5)
A : G Ratio	1.2		

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DEPARTMENT OF BIO CHEMISTRY.

TEST NAME	RESULT	UNIT	NORMAL RANGE
Serum Cholesterol (Total)	137.0	mg/dl	< 200
Serum Triglycerides (GPO/PAP Method)	85.0	mg/dl	<150
Serum H D L cholesterol (Phosphotungstic acid method,end point)	44.0	mg/dl	Male-(35.3 - 79.5) Female(42.0 - 88.0)
Serum L D L cholesterol	76.0	mg/dl	(85 - 130)
Serum V L D L cholesterol	17.0	mg/dl	(05 - 40)

Lipid values as recommended by National Cholesterol education programme

Cholesterol	Desirable < 200	Moderate Risk 201 - 239	High Risk > 240 (mg/dl)
HDL cholesterol	< 60	35 - 60	< 35 (mg/dl)
LDL cholesterol	< 130	130 - 159	> 160 (mg/dl)
LDL / HDL Ratio	0. 5 - 3.0	3.0 - 6.0	> 6.0 (mg/dl)

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DEPARTMENT OF BIO-CHEMISTRY

TEST NAME	RESULT	UNIT	NORMAL RANGE
BLOOD UREA NITROGEN (BUN)	38.20	mg/dl	5 - 21 mg/dl

Note:-Increased BUN or Uremia are found in acute renal failure, Glomerulonephritis, malignant hypertension , chronic renal disease etc. Decreased levels are found in liver failure ,negative nitrogen balance as may occur in malnutrition ,excessive use of iv fluids and physiologic hydremia of pregnancy. overhydration .

CREATININE Specimen : Serum Method : JAFFE Method	3.87	mg/dl	0.6 - 1.30 mg/dl
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URIC ACID Specimen : Serum Method : Uricase- POD Method	5.7	mg/dl	2.4-5.7 mg/dl
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FT3 FT4 TSH

TEST NAME	RESULT	UNIT	NORMAL RANGE
FT3	2.80	pg/mL	2.30 - 4.10 pg/mL
FT4 (FREE T4) Elisa Method	1.8	ng/dl	Adult : 0.80 - 2.00 Pregnancy : 0.76 - 2.24
TSH Specimen : Serum Method : CLIA	6.00	uIU/ml	0.39 - 6.16 uIU/ml

Comments:-

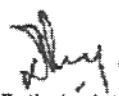
The thyroid Stimulating Hormone (thyrotropin or TSH) is a glycoprotein with a molecular weight of 28000 secreted by the adenohypophysis. TSH is controlled by negative feedback from circulating T3, T4 and TRS (Thyrotropin Releasing Hormone). The measurement of serum TSH has proven to be one of the most sensitive methods for the detection of primary hypothyroidism. In primary hypothyroidism the production of thyroid hormones is impaired and the TSH levels are observed to be higher. However in secondary and tertiary hypothyroidism, the TSH levels are low because of pituitary or hypothalamic lesions. In hypothyroidism the circulating level of TSH is usually subnormal in some instances however this condition may result from hyper stimulation of the thyroid due to hypothalamic or pituitary lesions and in this case the TSH level is increased. Measurement of circulating levels of TSH may be used as a screening or confirmatory test for hypothyroidism and hyperthyroidism, and as an aid to differential diagnosis of these conditions. TSH levels have been used to monitor the adequacy of thyroid hormone replacement therapy.

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DEPARTMENT OF HEMATOLOGY (CBC)

TEST NAME	RESULT	UNIT	NORMAL RANGE
HAEMOGLOBIN (SLS Method)	8.20	gm/dl	Male : 12.0 - 16.5 Female : 11.0 - 14.0
TOTAL COUNT			
Erythrocyte (RBC) HDF Method	2.73	milli/cum.m	4.2 - 5.4
Leucocyte (WBC) Flowcytometry	10200	/cu.mm	4000 - 11000
DIFFERENTIAL COUNTS			
NEUTROPHIL	76	%	40% - 75%
LYMPHOCYTE	17	%	21% - 40%
MONOCYTE	02	%	02% - 10%
EOSINOPHILS	05	%	00% - 06%
BASOPHIL	00	%	00% - 02%
PLATELET COUNT	1.85	lac/c mm	(1.5 - 4.1 Lac / c mm)
ESR 1ST HOUR Wester gren	40	MM 1st hrs.	0 -15 mm/h
PCV(PACK CELLVOLUME)	24.60	%	Male :- 37-53 %, Female :- 33-51%
MCV	90.10	fL	83fL - 101fL
MCH	30.03	Pg	27pg - 32pg
MCHC	33.33	%	31.5% - 34.5%
RDW cv	15.20	%	11.5% - 14.5%

PERIPHERAL BLOOD SMEAR

RBC morphology - Normocytic Normochromic.

White blood cells - No Abnormal cell seen.

Platelets - Adequate.

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DEPARTMENT OF CLINICAL PATHOLOGY (URINE)

TEST NAME	RESULT	UNIT
PHYSICAL EXAMINATION		
Quantity	40	
Colour	Straw	
Appearance	Clear	
Specific Gravity	1.005	
Deposit	Absent	
CHEMICAL EXAMINATION		
Reaction	Acidic	
PH	6.2	
Protein (Alb)	Present	
Sugar	Absent.	
Ketone bodies	Absent	
Bile Salt	Negative	
Bile Pigment	Negative	
Urobilinogen	Normal	
PHOSPHORUS	4.50	mmol/dL
Blood	Absent.	4.0 - 7.0 mmol/dL
Others		
MICROSCOPICAL EXAMINATION		
Pus Cells	2-3	/H.P.F
RBC	nil	/H.P.F
Epithelial Cells	4-5	/H.P.F
Crystals		
Casts		
Yeast Cell		
Others		
Micro-organisms		

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