


Patient Name : MRS. SUDHA SINGH  
Age / Sex : 37Y/Female  
IP/Reg.No/UHID : Reg-14549 /UHID14549  
Lab No : LA24010991  
Referred By : Dr.SAMANVAY HOSPITAL  
Bedcategory/Bed :  
Mobile No :  
UHID : UHID14549  
Consultant : Mr. Samanvay Hospital  
Sponsor : **MEDIWHEEL**  
ABHA Address :  
Barcode No. : **39219,39220,39221,39222**

Bill No : OPB/1/24/11737  
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**Test Name**

**Results**

**Units**

**Biological Reference**

**MICRO**

**URINE ANALYSIS**

**PHYSICAL EXAMINATION**

VOLUME : 30 ML  
COLOUR : PALE YELLOW  
APPEARANCE : CLEAR

**CHEMICAL EXAMINATION**

PH : 7.0 : 4.5 - 8.0  
SPECIFIC GRAVITY : 1.005 : 1.000 - 1.030  
PROTEIN : Negative  
GLUCOSE : Negative  
KETONE : Negative  
BLOOD : Negative  
UROBILINOGEN : Negative  
BILE PIGMENTS : Negative  
BILE SALT : Negative  
NITRITE : Negative  
LEUKOCYTE ESTERASE : Negative

**MICROSCOPIC EXAMINATION**

PUS CELLS : 1--2 : CELLS/HPF : 0 - 5  
RBC : NIL : RBC'S/HPF : 0 - 2  
EPITHELIAL CELLS : 1--2 : OCC/HPF : 0 - 5  
CASTS : NIL  
CRYSTALS : NIL

**HPLC**

**HBA1C/ GLYOCO HB**

GLYCOCYLATED HAEMOGLOBIN(HBA1C)(HPLC) : 5.50 : % : 4.0 - 6.0




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MD (Pathology)

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AVERAGE BLOOD SUGAR	111.15	mg/dl	0 - 140.0
<b>BIOCHEMISTRY</b>			
<b>LIPID PROFILE</b>			
CHOLESTROL (TOTAL)(CHOD-PAP)	192.0	mg/dl	0.0 - 200.0 Desirable blood cholesterol : <200 mg/dl Borderline high blood cholesterol : 200-239 mg/dl High blood cholesterol : >239 mg/dl
TRIGLYCERIDE(GPO-METHOD)	↑ <b>206.5</b>	mg/dl	0 - 161.0 NORMAL : <161 MG/DL HIGH : 161-199 MG/DL HYPERTRIGLYCERIDEMIC : 200-499 MG/DL
HDL CHOLESTEROL(DIRECT METHOD)	47.5	mg/dl	42.0 - 88.0
CHOLESTROL (TOTAL)/HDL RATIO(CALCULATED)	4.04		3.30 - 4.40
VLDL	↑ <b>41.30</b>		0 - 30.0
LDL CHOLESTEROL(CALCULATED)	↑ <b>144.5</b>		0 - 130.0
LDL/HDL RATIO	3.04		
CREATININE (BLOOD)(ENZYMATIC)	0.68	mg/dl	0.6 - 1.1
UREA(UREASE-GLDH)	↓ <b>15.7</b>	mg/dl	21.0 - 43.0
BUN(UREASE-GLDH)	7.33	mg/dl	5.0 - 21.0
URIC ACID	3.90	mg/dl	2.6 - 6.0
BUN CREATININE RATIO(CALCULATED)	10.7	mg/dl	10.0 - 20
<b>LIVER FUNCTION TEST</b>			
BILIRUBIN-TOTAL(DIAZO)	0.65	mg/dl	0.00 - 2.0
BILIRUBIN-DIRECT(DIAZO)	0.25	mg/dl	0.00 - 0.4
BILIRUBIN-INDIRECT(DIAZO)	0.40	mg/dl	0.00 - 1.10

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SGOT(IFCC WITHOUT PYRIDOXAL PHOSPHATE)	26.7	U/L	0 - 31
SGPT(IFCC WITHOUT PYRIDOXAL PHOSPHATE)	19.8	U/mL	0 - 34
ALKALINE PHOSPHATASE(ALKP04)* (AMP-METHOD)	60.0	U/L	42 - 141
PROTEIN (SERUM)(BIURET)	7.08	g/dl	6.4 - 8.3
ALBUMIN(BCG)	4.24	g/dl	3.5 - 5.2
GLOBULIN(CALCULATED)	2.84	g/dl	2.3 - 3.7
A/G RATIO(CALCULATED)	1.49	Ratio	1.0 - 2.0
GAMMA GT(GLUPA C METHOD)	13.5	U/L	0.0 - 58.0

**IMMUNOLOGY**

**T3 T4 TSH**

TOTAL T3(CHEMILUMINESCENCE / CLIA)	0.85	ng/ml	0.19 - 6.51
TOTAL T4(CHEMILUMINESCENCE / CLIA)	6.34	ug/dl	4.5 - 12.7
TSH(CHEMILUMINESCENCE / CLIA)	<b>↑ 7.78</b>	μIU/mL	0.35 - 4.78

Interpretation :

- TSH results between 4.5 to 15.0 show considerable physiologic and seasonal variation, suggest clinical correlation or repeat testing with fresh sample.
- TSH results between 0.1 to 0.45 requires correlation with patient age and clinical symptoms. As with increasing age, there are marked changes in thyroid hormone production, metabolism and its action resulting in an increase prevalence of sub-clinical thyroid disease.
- TSH values may be transiently altered because of non- thyroidal illness like severe infections, liver diseases, renal and heart failure, severe burns, trauma and surgery etc.
- Drugs that decreased TSH values e.g. L-dopa, glucocorticoid. Drugs that increase TSH values e.g. Iodine, Lithium and amiodarone.

**BIOCHEMISTRY**

**FASTING BLOOD GLUCOSE\***

FASTING BLOOD GLUCOSE(FBS)(GOD-POD)	<b>↑ 106.6</b>	mg/dl	74.0 - 100.0
FASTING URINE GLUCOSE	NIL		

**HEMATOLOGY**

BLOOD GROUP RH : "O" POSITIVE

**CBC WITH ESR**




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<b>RBCS PARAMETER</b>			
HAEMOGLOBIN(SLS METHOD)	↓ 12.0	g/dl	13.0 - 17.0
RBC COUNT(IMPEDENCE)	↓ 3.95	10 <sup>6</sup> /uL	4.50 - 5.50
PCV (HEAMATOCRIT)(IMPEDENCE)	↓ 38.3	%	40.0 - 50.0
MCV(CALCULATED)	97.0	fl	80.0 - 100.0
MCH(CALCULATED)	30.4	pg	27.0 - 33.0
MCHC(CALCULATED)	↓ 31.3	g/dl	32.0 - 36.0
RDW-CV(PARTICLE COUNTER(CALCULATED))	↑ 15.7	%	11.6 - 14.0
RDW-SD(PARTICLE COUNTER(CALCULATED))	↑ 56.9	fl	39 - 46
<b>WBCS PARAMETER</b>			
TOTAL COUNT(FLOW CYTOMETRY)	↓ 3570	/uL	4000 - 10000
<b>DLC</b>			
NEUTROPHILS(FLOW CYTOMETRY)	55	%	40 - 70
LYMPHOCYTES(FLOW CYTOMETRY)	37	%	20 - 40
MONOCYTES(FLOW CYTOMETRY)	06	%	2 - 8
EOSINOPHILS(FLOW CYTOMETRY)	02	%	1 - 4
BASOPHILS(FLOW CYTOMETRY)	00	%	0.0 - 1.0
ABSOLUTE NEUTROPHIL COUNT(CALCULATED)	↓ 1980.0	10 <sup>3</sup> /uL	2000.0 - 7000.0
ABSOLUTE LYMPHOCYTE COUNT(CALCULATED)	1320.0	10 <sup>3</sup> /uL	1000.0 - 3000.0
ABSOLUTE MONOCYTE COUNT(CALCULATED)	200.0	10 <sup>3</sup> /uL	200.0 - 1000.0
ABSOLUTE EOSINOPHIL COUNT(CALCULATED)	60.0	10 <sup>3</sup> /uL	20.0 - 500.0
<b>PLATELETS PARAMETER</b>			
PLATELET COUNT(IMPEDENCE)	237000	/uL	150000 - 450000
MPV(IMPEDENCE)	11.4	fl	8.0 - 13.0
PDW(IMPEDENCE)	14.9	fl	9.0 - 17.0
ESR	08	mm/hr	0 - 20

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**Results**

**Units**

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**BIOCHEMISTRY**

**POST BLOOD GLUCOSE(PP2)**

PP2 BLOOD GLUCOSE(GOD-POD)

123.1

mg/dl

70.0 - 140.0

PP2 URINE GLUCOSE

NIL

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