

Patient Name : **MR. VIPUL KUMAR SINHA**
Patient ID : 56575
Age / Sex : 38 years / Male
Referred by : MEDIWHEEL
Bill ID : 91826

Collected : Dec 23, 2023, 10:23 a.m.
Reported : Dec 23, 2023, 07:06 p.m.
Sample ID :



Test Description	Results	Units	Biological Reference Range
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THYROID STIMULATING HORMONE (TSH)

Sample Type : Serum

Thyroid Stimulative Hormone (TSH) [CLIA]	4.312	μIU/mL	0.3 - 4.5 1st trimester - 0.1 - 2.5μIU/mL 2nd trimester - 0.2 - 3μIU/mL 3rd trimester - 0.3 - 3μIU/mL
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Clinical Significance :-

1. Serum TSH concentrations exhibit a diurnal variation with the peak occurring during the night.
2. Useful for: Screening for thyroid dysfunction and detecting mild (subclinical), as well as overt, primary hypo- or hyperthyroidism in ambulatory patients.
3. Monitoring patients on thyroid replacement therapy.
4. Confirmation of thyroid-stimulating hormone (TSH) suppression in thyroid cancer patients on thyroxine suppression therapy.
5. Prediction of thyrotropin-releasing hormone-stimulated TSH response.

****END OF REPORT****



Dr. Sudhamani S. MD
Consultant Pathologist
Reg. No. : 90461

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Test Description	Results	Units	Biological Reference Range
<u>FASTING BLOOD SUGAR</u>			
Sample Type : Flouride R			
Fasting Blood Sugar [GOD - POD]	157.2	mg/dl	Normal : 70 - 99 mg/dl impaired Tolerance : 100 - 125mg/dl Diabetes Mellitus : >126 mg/dl
Technique :-	Fully Automated Biochemistry Analyser ERBA EM-200		

END OF REPORT



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256190

Test Description	Results	Units	Biological Reference Range
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POST PRANDIAL BLOOD SUGAR

Sample Type : Flouride PP

Post Prandial Blood Sugar [GOD - POD]	277.8	mg/dl	110-180
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Technique :-

Done On Fully Automated Biochemistry Analyser ERBA EM-200

****END OF REPORT******Dr. Sudhamani S. MD**
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BLOOD GROUP

Sample Type : EDTA / Whole Blood

ABO Grouping

"B"

Rh Grouping

POSITIVE

Note:

These report is for information purpose only. Blood group needs to be reconfirmed at the time of cross matching for blood transfusion.

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LIPID PROFILE

Sample Type : Serum

TOTAL CHOLESTEROL [CHOD-PAP]	197	mg/dL	Desirable : <200 mg/dl Borderline : 200 - 239mg/dl High : >240 mg/dl
TRIGLYCERIDES [Glycerol Phosphate Oxidase]	144.5	mg/dL	Desirable : <150 mg/dl Borderline : 150 - 199mg/dl High : >200mg/dl
HDL CHOLESTEROL [Direct]	32.1	mg/dL	Desirable : >40 mg/dl Borderline Risk : 35 mg/dl High Risk : <30 mg/dl
LDL CHOLESTEROL [Calculated]	136	mg/dL	Desirable : <100 mg/dl Borderline : 130 - 160mg/dl High : >160mg/dl
VLDL Cholesterol [Calculated]	28.90	mg/dL	Desirable : <26 mg/dl Borderline : >30 mg/dl
Total Chol / HDL Chol Ratio [Calculated]	6.14	mg/dL	Desirable : <5 %
LDL / HDL Ratio [Calculated]	4.24		1.00 - 3.55
NON-HDL CHOLESTEROL [Calculated]	164.90	mg/dL	Desirable : <130 mg/dl Borderline : 160 - 189 mg/dl High : >220 mg/dl

Technique: Fully Automated Biochemistry Analyser ERBA EM-200.

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URINE ANALYSE REPORT

Sample Type : Urine

PHYSICAL EXAMINATION

COLOUR	Pale Yellow		
APPEARANCE	Clear		
REACTION (PH)	6.0		4.8 - 7.6
SPECIFIC GRAVITY	1.030		1.010 - 1.030
ALBUMIN	Absent		
GLUCOSE	Present (+)		
BLOOD (U)	Absent		
BILE PIGMENTS	Negative		
BILE SALTS	Absent		
KETONE	Negative		
LEUKOCYTES	Absent		
NITRITE	Absent		
UROBILINOGEN	Negative		

MICROSCOPY

PUS CELLS/hpf	1-2		
RBCs/hpf	Absent		
EPI.CELLS/hpf	1-2		
CASTS	Absent		
CRYSTALS	Absent		
BACTERIA	Absent		
Other	Absent		

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LIVER FUNCTION TEST

Sample Type : Serum

TOTAL BILIRUBIN [DIAZO]	0.66	mg/dl	0.3-1.3 mg/dl
BILIRUBIN-DIRECT [DIAZO]	0.35	mg/dl	0.1-0.4 mg/dl
BILLIRUBIN-INDIRECT [CALCULATED]	0.31	mg/dl	0.1-0.9 mg/dl
S.G.O.T. (AST) [IFCC without Pyridoxal Phosphate]	17	IU/L	5-40 IU/L
S.G.P.T.(ALT) [IFCC without Pyridoxal Phosphate]	24.3	IU/L	5-40 IU/L
ALKALINE PHOSPHATASE [Amino Methyl Propanol (AMP)]	87	IU/L	44-147 IU/L
TOTAL PROTEINS [BIURET]	8.1	IU/L	6.0 - 8.5g/dL
ALBUMIN [BROMO CRESOL GREEN (BCG)]	4.57	g/dl	3.5-5.0 g/dl
GLOBULIN [CALCULATED]	3.53	gm%	2.3-3.5 gm%
ALBUMIN/GLOBULIN RATIO [CALCULATED]	1.29		
GAMMA GT	15.30	U/L	0 - 45

Technique : Fully Automated Biochemistry Analyser ERBA EM-200

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SR. URIC ACID

Sample Type : Serum

Uric Acid [Uricase - POD]	4.6	mg/dl	3.6 - 7.7
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Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200.

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CREATININE

Sample Type : Serum

Creatinine

0.83 mg/dl 0.40 - 1.40

[Enzymatic]

Estimated GFR

114.89 ml/min/1.73sq m Normal: >90

[Calculated]

Mild Decrease : 60-89
Mild Moderate Decrease : 45-59
Moderate to Severe Decrease :
30-44
Severe Decrease ; 15-29
Kidney Failure : <15

Formula

Estimated GFR Calculate By CKD-EPI Formula.

Technique :-

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BLOOD UREA LEVEL (BUL)

Sample Type : Serum

Urea	18.2	mg/dl	10 - 40
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[Urease - GLDH]

Bun	8.50	mg/dl	6 - 21
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[Calculated]

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COMPLETE BLOOD COUNT

Sample Type : EDTA / Whole Blood

Hemoglobin	15.2	g/dl	13.0 - 17.0
RBC COUNT	5.78	Millions/c	4.5 - 5.5
PCV(Hematocrit)	47.4	%	40.0 - 50.0
Mean Cell Volume(MCV) [calculated]	81.9	fl	80.0 - 100.0
Mean Cell Hemoglobin(MCH) [calculated]	26.3	pg	27.0 - 33.0
Mean Cell Hb Conc(MCHC) [calculated]	32.1	g/dl	32 - 36
RDW	13.9	%	11.50 - 14.50
Total Leucocytes (WBC) Count	11190	/cumm	4000-11000

DIFFERENTIAL COUNT

Neutrophils	68.8	%	40 - 70
Lymphocytes	25	%	20 - 50
Eosionphils	1.9	%	01 - 06
Monocytes	3.7	%	00 - 08
Basophils [calculated]	0.6	%	00-01

SMEAR STUDY

RBC Morphology	Normocytic Normocromic.		
WBC Morphology	Leucocytosis		
Platelets On Smear	Adequate on Smear		
Platelet Count	267000	/cumm	150000 - 450000
MPV	11.5	fL	6.5 - 10.0

Comments :-**Method:-**

HB:-Colorimetric, Total WBC:-Impedance/Flow Cytometry, HCT, MCV, MCH, MCHC, RDW-CV:-Calculate, Diff. Count: Flow Cytometry / Manual Stained Smear Microscopy, RBC: Impedance, Platelets : Impedance Method.

Technique :-

Fully Automated 5 part Diff. Cell Counter .

All Test Results are subjected to stringent international External and Internal Quality Control Protocols

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Test Description	Results	Units	Biological Reference Range
<u>ESR</u>			
Sample Type : EDTA / Whole Blood			
ESR	15	Mm/hr	0 - 15
Method	Westergren		

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TOTAL THYROXINE (T4)

Sample Type : Serum

Total Thyroxine (T4) [CLIA]	74.63	ng/ml	52 - 127
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TOTAL TRIIODOTHYRONINE (T3)

Sample Type : Serum

TotalTriiodothyronine (T3) [CLIA]	1.526	ng/dL	0.69 - 2.15
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Test Description	Results	Units	Biological Reference Range
<u>GLYCOCYLATED HAEMOGLOBIN</u>			
Sample Type : EDTA / Whole Blood			
Glycocyalted Haemoglobin (HbA1c) [Tosoh HPLC]	8.1	%	<5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT
MEAN BLOOD GLUCOSE	185.77	mg/dL	116.89 - 154.2

END OF REPORT



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