

Patient Name : **MRS. SAKSHI CHUKEWAD**
Patient ID : 35367
Age / Sex : 40 years / Female
Referred by : MEDIWHEEL
Bill ID : 60684

Collected : Mar 26, 2022, 09:54 a.m.
Reported : Mar 26, 2022, 03:46 p.m.
Sample ID :



Test Description	Results	Units	Biological Reference Range
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COMPLETE BLOOD COUNT

Sample Type : EDTA / Whole Blood

Hemoglobin	11.2	g/dl	11.5 - 15.0
RBC COUNT	4.78	Millions/c	3.8 - 4.8
PCV(Hematocrit)	35.9	%	40.0 - 50.0
Mean Cell Volume(MCV)	75.10	fl	80.0 - 100.0
Mean Cell Hemoglobin(MCH)	23.43	pg	27.0 - 32.0
Mean Cell Hb Conc(MCHC)	31.20	g/dl	32 - 36
RDW	16.1	%	11.50 - 14.50
Total Leucocytes (WBC) Count	8120.0	/cumm	4000-11000

DIFFERENTIAL COUNT

Neutrophils	66.5	%	40 - 70
Lymphocytes	25.2	%	20 - 50
Eosionphils	3.9	%	01 - 06
Monocytes	4.2	%	00 - 08
Basophils	0.20	%	00-01

SMEAR STUDY

RBC Morphology	Hypochromia(+),Microcytosis(+)		
WBC Morphology	No E/o Toxic granules seen		
Platelets On Smear	Adequate on Smear		
Platelet Count	357000	/cumm	150000 - 450000
MPV	9.0	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

END OF REPORT



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

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SR. URIC ACID

Sample Type : Serum

Uric Acid [Uricase - POD]	3.70	mg/dl	2.5 - 6.8
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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 UREA LEVEL (BUL)

Sample Type : Serum

Urea	10.80	mg/dl	10 - 40
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[Urease - GLDH]

Bun	5.04	mg/dl	6 - 21
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[Calculated]

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TOTAL THYROXINE (T4)

Sample Type : Serum

Total Thyroxine (T4) [CLIA]	61.00	ng/ml	52 - 127
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Test Description	Results	Units	Biological Reference Range
<u>ESR</u>			
Sample Type : EDTA / Whole Blood			
ESR	10	Mm/hr	0 - 20
Method	Westergren		

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CREATININE

Sample Type : Serum

Creatinine

0.71

mg/dl

0.40 - 1.40

[Enzymatic]

Formula

Technique :-

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TOTAL TRIIODOTHYRONINE (T3)

Sample Type : Serum

TotalTriiodothyronine (T3) [CLIA]	1.25	ng/dL	0.69 - 2.15
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BLOOD GROUP

Sample Type : EDTA / Whole Blood

ABO Grouping

"AB"

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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LIVER FUNCTION TEST

Sample Type : Serum

TOTAL BILIRUBIN [DIAZO]	0.54	mg/dl	0.3-1.3 mg/dl
BILIRUBIN-DIRECT [DIAZO]	0.23	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]	23.20	IU/L	5-40 IU/L
S.G.P.T.(ALT) [IFCC without Pyridoxal Phosphate]	8.50	IU/L	5-40 IU/L
ALKALINE PHOSPHATASE [Amino Methyl Propanol (AMP)]	65.00	IU/L	44-147 IU/L
TOTAL PROTEINS [BIURET]	7.55	IU/L	6.0 - 8.5 g/dL
ALBUMIN [BROMO CRESOL GREEN (BCG)]	3.99	g/dl	3.5-5.0 g/dl
GLOBULIN [CALCULATED]	3.56	gm%	2.3-3.5 gm%
ALBUMIN/GLOBULIN RATIO [CALCULATED]	1.12		
GAMMA GT	12.00	U/L	0 - 45

Technique : Fully Automated Biochemistry Analyser ERBA EM-200

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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]	99.40	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		

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LIPID PROFILE

Sample Type : Serum

TOTAL CHOLESTEROL [CHOD-PAP]	138.70	mg/dL	Desirable : <200 mg/dl Borderline : 200 - 239mg/dl High : >240 mg/dl
TRIGLYCERIDES [Glycerol Phosphate Oxidase]	118.20	mg/dL	Desirable : <150 mg/dl Borderline : 150 - 199mg/dl High : >200mg/dl
HDL CHOLESTEROL [Direct]	27.20	mg/dL	Desirable : >40 mg/dl Borderline Risk : 35 mg/dl High Risk : <30 mg/dl
LDL CHOLESTEROL [Calculated]	87.86	mg/dL	Desirable : <100 mg/dl Borderline : 130 - 160mg/dl High : >160mg/dl
VLDL Cholesterol [Calculated]	23.64	mg/dL	Desirable : <26 mg/dl Borderline : >30 mg/dl
Total Chol / HDL Chol Ratio [Calculated]	5.10	mg/dL	Desirable : <5 %
LDL / HDL Ratio [Calculated]	3.23		1.00 - 3.55
NON-HDL CHOLESTEROL [Calculated]	111.50	mg/dL	Desirable : <130 mg/dl Borderline : 160 - 189 mg/dl High : >220 mg/dl

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<u>GLYCOCYLATED HAEMOGLOBIN</u>			
Sample Type : EDTA / Whole Blood			
Glycocyalted Haemoglobin (HbA1c) [Tosoh HPLC]	6.1	%	<5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT
MEAN BLOOD GLUCOSE	128.37	mg/dL	116.89 - 154.2

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ULTRASENSITIVE THYROID STIMULATING HORMONE (TSH)

Sample Type : Serum

Ultrasensitive Thyroid Stimulative Hormone (TSH) [CLIA]	1.69	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.

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POST PRANDIAL BLOOD SUGAR

Sample Type : Flouride PP

Post Prandial Blood Sugar [GOD - POD]	150.70	mg/dl	110-180
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Technique :-

Done On Fully Automated Biochemistry Analyser ERBA EM-200

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