Patient Name	: **MRS. AMISHA KUMARI**	Collected	: Mar 11, 2023, 10:14 a.m.
Patient ID	: 47847	Reported	: Mar 11, 2023, 01:06 p.m.
Age / Sex	: 30 years / Female	Sample ID	:
Referred by	: MEDIWHEEL		
Bill ID	: 77792		216956

Test Description	Results	Units	Biological Reference Range

ULTRASENSITIVE THYROID STIMULATING HORMONE (TSH)

Sample Type : Serum

Test Description	Results	Units	Biological Reference Range
Ultrasensitive Thyroid Stimulatine Hormone (TSH) [CLIA]	2.33	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

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
FASTING BLOOD SUGAR			
Sample Type : Flouride R			
Fasting Blood Sugar [GOD - POD]	97.8	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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Test Description	Results	Units	Biological Reference Range
POST PRANDIAL BLOOD SUGAR			

Sample Type : Flouride PP

Test Description	Results	Units	Biological Reference Range
Post Prandial Blood Sugar [GOD - POD]	118.6	mg/dl	110-180

Technique :-   Done On Fully Automated Biochemistry Analyser ERBA EM-200

END OF REPORT

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Test Description	Results	Units	Biological Reference Range

BLOOD GROUP

Sample Type : EDTA / Whole Blood

ABO Grouping	"O"
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.

END OF REPORT

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Test Description	Results	Units	Biological Reference Range
LIPID PROFILE			
Sample Type : Serum			
TOTAL CHOLESTEROL [CHOD-PAP]	148.4	mg/dL	Desirable : <200 mg/dl Borderline : 200 - 239mg/dl High : >240 mg/dl
TRIGLYCERIDES [Glycerol Phosphate Oxidase]	91.7	mg/dL	Desirable : <150 mg/dl Borderline : 150 - 199mg/dl High : >200mg/dl
HDL CHOLESTEROL [Direct]	51	mg/dL	Desirable : >40 mg/dl Borderline Risk : 35 mg/dl High Risk : <30 mg/dl
LDL CHOLESTEROL [Calculated]	79.06	mg/dL	Desirable : <100 mg/dl Borderline : 130 - 160mg/dl High : >160mg/dl
VLDL Cholesterol [Calculated]	18.34	mg/dL	Desirable : <26 mg/dl Borderline : >30 mg/dl
Total Chol / HDL Chol Ratio [Calculated]	2.91	mg/dL	Desirable : <5 %
LDL / HDL Ratio [Calculated]	1.55		1.00 - 3.55
NON-HDL CHOLESTEROL [Calculated]	97.40	mg/dL	Desirable : <130 mg/dl Borderline : 160 - 189 mg/dl High : >220 mg/dl
Technique:		Fully Automated Biochemistry Analyser ERBA EM-200.	

END OF REPORT

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Test Description	Results	Units	Biological Reference Range

URINE ANALYSE REPORT

Sample Type : Urine

PHYSICAL EXAMINATION

Test Description	Results	Units	Biological Reference Range
COLOUR	Yellow		
APPEARANCE	Slightly Hazy		
REACTION (PH)	5.0		5.0-7.5
SPECIFIC GRAVITY	1.030		1.010 - 1.030
ALBUMIN	Absent		
GLUCOSE	Absent		
BLOOD (U)	Absent		
BILE PIGMENTS	Negative		
BILE SALTS	Absent		
KETONE	Negative		
LEUKOCYTES	Absent		
NITRITE	Absent		
UROBILINOGEN	Negative		

MICROSCOPY

Test Description	Results	Units	Biological Reference Range
PUS CELLS/hpf	**2-4**		
RBCs/hpf	Absent		
EPI.CELLS/hpf	**2-4**		
CASTS	Absent		
CRYSTALS	Absent		
BACTERIA	Absent		
Other	Absent		

END OF REPORT

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Test Description	Results	Units	Biological Reference Range
LIVER FUNCTION TEST			
Sample Type : Serum			
TOTAL BILIRUBIN	0.45	mg/dl	0.3-1.3 mg/dl
[DIAZO]			
BILIRUBIN-DIRECT	0.23	mg/dl	0.1-0.4 mg/dl
[DIAZO]			
BILLIRUBIN-INDIRECT	0.22	mg/dl	0.1-0.9 mg/dl
[CALCULATED]			
S.G.O.T. (AST)	23	IU/L	5-40 IU/L
[IFCC without Pyridoxal Phosphate]			
S.G.P.T.(ALT)	17.3	IU/L	5-40 IU/L
[IFCC without Pyridoxal Phosphate]			
ALKALINE PHOSPHATASE	72	IU/L	44-147 IU/L
[Amino Methyl Propanol (AMP)]			
TOTAL PROTEINS	6.59	IU/L	6.0 - 8.5 g/dL
[BIURET]			
ALBUMIN	3.82	g/dl	3.5-5.0 g/dl
[BROMO CRESOL GREEN (BCG)]			
GLOBULIN	2.77	gm%	2.3-3.5 gm%
[CALCULATED]			
ALBUMIN/GLOBULIN RATIO	1.38		
[CALCULATED]			
GAMMA GT	13.20	U/L	0 - 45

Technique :   Fully Automated Biochemistry Analyser ERBA EM-200

END OF REPORT

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Test Description	Results	Units	Biological Reference Range
	SR. URIC ACID		

Sample Type : Serum

Test Description	Results	Units	Biological Reference Range
Uric Acid **[Uricase - POD]**	4.1	mg/dl	2.5 - 6.8

Technique :-	Done On Fully Automated Biochemistry Analyser ERBA EM-200.

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Test Description	Results	Units	Biological Reference Range

CREATININE

Sample Type : Serum

Creatinine	0.54	mg/dl	0.40 - 1.40
[Enzymatic]			
Formula			
Technique :-			Done On Fully Automated Biochemistry Analyser ERBA EM-200

END OF REPORT

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Test Description	Results	Units	Biological Reference Range
BLOOD UREA LEVEL (BUL)			
Sample Type : Serum			
Urea	15.5	mg/dl	10 - 40
[Urease - GLDH]			
Bun	7.24	mg/dl	6 - 21
[Calculated]			
Technique :-		Done On Fully Automated Biochemistry Analyser ERBA EM-200	

END OF REPORT

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Test Description	Results	Units	Biological Reference Range

COMPLETE BLOOD COUNT

Sample Type : EDTA / Whole Blood

Test Description	Results	Units	Biological Reference Range
Hemoglobin	**7.7**	g/dl	11.5 - 15.0
RBC COUNT	4.07	Millions/c	3.8 - 4.8
PCV(Hematocrit)	**26.4**	%	40.0 - 50.0
Mean Cell Volume(MCV)	**65**	fl	80.0 - 100.0
Mean Cell Hemoglobin(MCH)	**18.9**	pg	27.0 - 32.0
Mean Cell Hb Conc(MCHC)	**29.1**	g/dl	32 - 36
RDW	**17.6**	%	11.50 - 14.50
Total Leucocytes (WBC) Count	5550	/cumm	4000-11000

DIFFERENTIAL COUNT

Neutrophils	65	%	40 - 70
Lymphocytes	22	%	20 - 50
Eosionphils	4.1	%	01 - 06
Monocytes	7.9	%	00 - 08
Basophils	1	%	00-01

SMEAR STUDY

RBC Morphology	**Hypochromia(++),Microcytosis(++),Anisopoikilocytosis(+).**		
WBC Morphology	No E/o Toxic granules seen		
Platelets On Smear	**Reduced On Smear**		
Platelet Count	**130000**	/cumm	150000 - 450000
MPV	**11.1**	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

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Test Description	Results	Units	Biological Reference Range
	ESR		
Sample Type : EDTA / Whole Blood			
ESR	10	Mm/hr	0 - 20
Method	Westergren		

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Test Description	Results	Units	Biological Reference Range
	TOTAL THTROXINE (T4)		
Sample Type : Serum			
Total Thyroxine (T4) [CLIA]	76.01	ng/ml	52 - 127

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Test Description	Results	Units	Biological Reference Range
TOTAL TRIIDOTHRONINE (T3)			
Sample Type : Serum			
TotalTriiodothyronine (T3) [CLIA]	1.20	ng/dL	0.69 - 2.15

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Test Description	Results	Units	Biological Reference Range
GLYCOCYLATED HAEMOGLOBIN			
Sample Type : EDTA / Whole Blood			
Glycocylated Haemoglobin (HbA1c) [Tosoh HPLC]	5.0	%	<5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT
MEAN BLOOD GLUCOSE	**96.80**	mg/dL	116.89 - 154.2

END OF REPORT

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