Name	MRS.HEMALATHA R	ID	MED112125091	
Age & Gender	39Y/FEMALE	Visit Date	22/03/2024	
Ref Doctor Name	MediWheel			N

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in size and shows slightly increased echotexture.

No evidence of focal lesion or intrahepatic biliary ductal dilatation.

Hepatic and portal vein radicals are normal. **GALL BLADDER** is partially distended.

PANCREAS has normal shape, size and uniform echopattern.

No evidence of ductal dilatation or calcification. **SPLEEN** show normal shape, size and echopattern.

KIDNEYS move well with respiration and have normal shape, size and echopattern. Cortico- medullary differentiations are well madeout.

No evidence of calculus or hydronephrosis.

	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	9.3	1.7
Left Kidney	9.5	1.7

URINARY BLADDER show normal shape and wall thickness.

It has clear contents.

UTERUS is anteverted and has normal shape and size. It has uniform myometrial echopattern. Endometrial echo is of normal thickness 4.8 mms.

Uterus measures as follows: LS: 7.6cms AP: 4.4cms TS: 4.6cms. **OVARIES** are normal size, shape and echotexture. Right ovary measures: 2.9 x 2.3cms Left ovary measures: 2.2 x 1.9cms

POD & adnexa are free. No evidence of ascites.

IMPRESSION:

> GRADE I FATTY CHANGES IN LIVER.

CONSULTANT RADIOLOGISTS

DR. ANITHA ADARSH MB/MS **DR. MOHAN B**

Name	MRS.HEMALATHA R	ID	MED112125091
Age & Gender	39Y/FEMALE	Visit Date	22/03/2024
Ref Doctor Name	MediWheel		



Name	: Mrs. HEMALATHA R		
PID No.	: MED112125091	Register On : 22/03/2024 7:38 AM	
SID No.	: 712409230	Collection On : 22/03/2024 8:09 AM	
Age / Sex	: 39 Year(s) / Female	Report On : 22/03/2024 7:01 PM	me
Туре	: OP	Printed On : 22/03/2024 7:45 PM	DIAGNO
Ref. Dr	: MediWheel		

Observed

<u>Value</u>

'O' 'Positive'

Investigation

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING (EDTA Blood/Agglutination) Remark: Test to be confirmed by gel method

Mr.S.Mohan Kumar Sr.LabTechnician VERIFIED BY



<u>Unit</u>



Biological Reference Interval

APPROVED BY

Name PID No. SID No. Age / Sex Type Ref. Dr	: Mrs. HEMALATHA R : MED112125091 : 712409230 : 39 Year(s) / Female : OP : MediWheel	Collection On : 22/0 Report On : 22/0 Printed On : 22/0	03/2024 7:01 PM 03/2024 7:45 PM	DIAGNOSTICS
Investiga		<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<u>Complet</u>	IATOLOGY e Blood Count With - ESR	12.0	. / 11	12.5 16.0
Haemog (EDTA Ble	lObin ood/Spectrophotometry)	13.8	g/dL	12.5 - 16.0
	RETATION: Haemoglobin values v , renal failure etc. Higher values are			n values may be due to nutritional deficiency, , hypoxia etc.
	cked Cell Volume) / Haemator ood/Derived)	crit 41.1	%	37 - 47
RBC Cor (EDTA Blo	unt ood/Automated Blood cell Counter)	5.96	mill/cu.mm	4.2 - 5.4
	<pre>lean Corpuscular Volume) ood/Derived from Impedance)</pre>	69.0	fL	78 - 100
	<pre>lean Corpuscular Haemoglobin pod/Derived)</pre>	n) 23.2	pg	27 - 32
concentr	Mean Corpuscular Haemoglob ation) ood/Derived)	bin 33.7	g/dL	32 - 36
RDW-C (Derived)	V	14.1	%	11.5 - 16.0
RDW-SI (Derived))	34.05	fL	39 - 46
	BC Count (TC) ood/Derived from Impedance)	8980	cells/cu.mm	4000 - 11000
Neutroph (Blood/ <i>Imp</i>	nils pedance Variation & Flow Cytometry	58	%	40 - 75
Lymphoo (Blood/Imp	cytes vedance Variation & Flow Cytometry	36	%	20 - 45







Name	: Mrs. HEMALATHA R			
PID No.	: MED112125091	Register On	: 22/03/2024 7:38 AM	
SID No.	: 712409230	Collection On	: 22/03/2024 8:09 AM	
Age / Sex	: 39 Year(s) / Female	Report On	: 22/03/2024 7:01 PM	meda
Туре	: OP	Printed On	: 22/03/2024 7:45 PM	DIAGNOST

Observed Unit **Investigation Biological** Value **Reference Interval** 02 01 - 06 Eosinophils % (Blood/Impedance Variation & Flow Cytometry) Monocytes 04 % 01 - 10 (Blood/Impedance Variation & Flow Cytometry) 00 - 02 **Basophils** 00 % (Blood/Impedance Variation & Flow Cytometry) Absolute Neutrophil count 5.21 10^3 / µl 1.5 - 6.6 (EDTA Blood/Impedance Variation & Flow Cytometry) 3.23 10^3 / µl 1.5 - 3.5 Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry) 0.18 10^3 / µl 0.04 - 0.44 Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry) 10^3 / µl 0.36 < 1.0Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry) 10^3 / µl Absolute Basophil count 0.00 < 0.2 (EDTA Blood/Impedance Variation & Flow Cytometry) 338 10^3 / µl Platelet Count 150 - 450 (EDTA Blood/Derived from Impedance) MPV 10.4 fL 8.0 - 13.3 (Blood/Derived) PCT 0.35 % 0.18 - 0.28 ESR (Erythrocyte Sedimentation Rate) < 20 06 mm/hr



(Citrated Blood/Automated ESR analyser)

Ref. Dr

: MediWheel





APPROVED BY

Name	: Mrs. HEMALATHA R			
PID No.	: MED112125091	Register On :	22/03/2024 7:38 AM	\sim
SID No.	: 712409230	Collection On :	22/03/2024 8:09 AM	
Age / Sex	: 39 Year(s) / Female	Report On :	22/03/2024 7:01 PM	medall
Туре	: OP	Printed On :	22/03/2024 7:45 PM	DIAGNOSTICS
Ref. Dr	: MediWheel			

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
BIOCHEMISTRY			
Liver Function Test			
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.4	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.1	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.30	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	7.3	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.6	gm/dl	3.5 - 5.2
Globulin (Serum/ <i>Derived</i>)	2.70	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.70		1.1 - 2.2
INTERPRETATION: Remark : Electrophoresis is the	preferred method		
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC / Kinetic)	31	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	34	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/PNPP / Kinetic)	84	U/L	42 - 98
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	31	U/L	< 38







The results pertain to sample tested.

Name	: Mrs. HEMALATHA R		
PID No.	: MED112125091	Register On : 22/03/2024 7:38 AM	\sim
SID No.	: 712409230	Collection On : 22/03/2024 8:09 AM	
Age / Sex	: 39 Year(s) / Female	Report On : 22/03/2024 7:01 PM	medall
Туре	: OP	Printed On : 22/03/2024 7:45 PM	DIAGNOSTICS
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<u>Lipid Profile</u>			
Cholesterol Total (Serum/Oxidase / Peroxidase method)	240	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	154	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >= 500

INTERPRETATION: The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence recommending triglycerides estimation in non-fasting condition for evaluating the risk of heart disease and screening for metabolic syndrome, as non-fasting sample is more representative of the õusualö"circulating level of triglycerides during most part of the day.

HDL Cholesterol (Serum/Immunoinhibition)	31	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/ <i>Calculated</i>)	178.2	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >=190
VLDL Cholesterol (Serum/ <i>Calculated</i>)	30.8	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	209.0	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220







APPROVED BY

Name PID No. SID No. Age / Sex Type Ref. Dr	 : Mrs. HEMALATHA R : MED112125091 : 712409230 : 39 Year(s) / Female : OP : MediWheel 	Register On : 22/03/2024 7:38 AM Collection On : 22/03/2024 8:09 AM Report On : 22/03/2024 7:01 PM Printed On : 22/03/2024 7:45 PM	DIAGNOSTICS
2.It is the	RETATION: 1.Non-HDL Cholester		Biological Reference Interval isk marker than LDL Cholesterol. hicrons and it is the "new bad cholesterol" and is a
	olesterol/HDL Cholesterol Rat		Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
Triglycer (TG/HD) (Serum/Ca	,	5	Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HD (Serum/Ca	DL Cholesterol Ratio	5.7	Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0







Name	: Mrs. HEMALATHA R		
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Age / Sex	: 39 Year(s) / Female	Report On : 22/03/2024 7:01 PM	medall
Туре	: OP	Printed On : 22/03/2024 7:45 PM	DIAGNOSTICS
Ref. Dr	: MediWheel		
Investiga	ation	<u>Observed</u> <u>Unit</u> <u>Value</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Glycosyl</u>	ated Haemoglobin (HbA1c)		

HbA1C (Whole Blood/ <i>HPLC</i>)	6.9	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5

INTERPRETATION: If Diabetes - Good control : 6.1 - 7.0 % , Fair control : 7.1 - 8.0 % , Poor control >= 8.1 %

Remark: Kindly correlate clinically.

Estimated Average Glucose	151.33	mg/dl
---------------------------	--------	-------

(Whole Blood)

INTERPRETATION: Comments

HbA1c provides an index of Average Blood Glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency,

hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbA1C values. Conditions that shorten RBC survival like acute or chronic blood loss, hemolytic anemia, Hemoglobinopathies, Splenomegaly, Vitamin E ingestion, Pregnancy, End stage Renal disease can cause falsely low HbA1c.







APPROVED BY

Name	: Mrs. HEMALATHA R			
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Age / Sex	: 39 Year(s) / Female	Report On	: 22/03/2024 7:01 PM	medall
Туре	: OP	Printed On	: 22/03/2024 7:45 PM	DIAGNOSTICS
Ref. Dr	: MediWheel			

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
BIOCHEMISTRY			
BUN / Creatinine Ratio	12.9		
Glucose Fasting (FBS) (Plasma - F/GOD- POD)	90	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125 Diabetic: >= 126

INTERPRETATION: Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level.

Urine sugar, Fasting (Urine - F)	Nil		Nil
Glucose Postprandial (PPBS) (Plasma - PP/GOD - POD)	115	mg/dL	70 - 140

INTERPRETATION:

Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level. Fasting blood glucose level may be higher than Postprandial glucose, because of physiological surge in Postprandial Insulin secretion, Insulin resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti- diabetic medication during treatment for Diabetes.

Urine Sugar (PP-2 hours) (Urine - PP)	Nil		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	15.5	mg/dL	7.0 - 21
Creatinine	1.2	mg/dL	0.6 - 1.1

(Serum/*Jaffe Kinetic*)

INTERPRETATION: Elevated Creatinine values are encountered in increased muscle mass, severe dehydration, Pre-eclampsia, increased ingestion of cooked meat, consuming Protein/ Creatine supplements, Diabetic Ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin ,cefazolin, ACE inhibitors ,angiotensin II receptor antagonists,N-acetylcyteine , chemotherapeutic agent such as flucytosine etc.

Uric Acid	4.6	mg/dL	2.6 - 6.0
(Serum/Uricase/Peroxidase)			







APPROVED BY

Name PID No. SID No. Age / Sex Type	 : Mrs. HEMALATHA R : MED112125091 : 712409230 : 39 Year(s) / Female : OP 	Register On Collection On Report On Printed On	22/03 22/03	2024 7:38 AM /2024 8:09 AM /2024 7:01 PM /2024 7:45 PM	DIAGNOSTICS
Ref. Dr	: MediWheel	Frinted Off	. 22/03/	2024 7.43 1 10	
Investiga	ation		<u>served</u> Zalue	<u>Unit</u>	Biological Reference Interval
	D PROFILE / TFT dothyronine) - Total		1.12	ng/ml	0.7 - 2.04
Comment	ariation can be seen in other condition	on like pregnancy,	drugs, nep	hrosis etc. In such c	ases, Free T3 is recommended as it is
T4 (Tyro (Serum/EC	xine) - Total /LIA)		4.08	µg/dl	4.2 - 12.0
Comment	ariation can be seen in other condition	on like pregnancy,	drugs, nep	hrosis etc. In such c	ases, Free T4 is recommended as it is
TSH (Th (Serum/EC	yroid Stimulating Hormone)		3.03	µIU/mL	0.35 - 5.50
INTERPH Reference 1 st trimes 2 nd trimes 3 rd trimes (Indian Th Comment 1.TSH refe	RETATION: range for cord blood - upto 20 ter: 0.1-2.5 ster 0.2-3.0 ster : 0.3-3.0 yroid Society Guidelines) : erence range during pregnancy depe				ncentration, race, Ethnicity and BMI. inimum between 6-10PM.The variation can

2.TSH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10PM. The variation can be of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations. 3.Values&lt 0.03μ U/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.









APPROVED BY

Name	: Mrs. HEMALATHA R		
PID No.	: MED112125091 Regist	er On : 22/03/2024 7:38 AM	\sim
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Age / Sex	: 39 Year(s) / Female Report	On : 22/03/2024 7:01 PM	medall
Туре	: OP Printed	d On : 22/03/2024 7:45 PM	DIAGNOSTICS
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
CLINICAL PATHOLOGY			
PHYSICAL EXAMINATION			
Colour (Urine/Physical examination)	Pale Yellow		Yellow to Amber
Volume (Urine/Physical examination)	25		ml
Appearance (Urine)	Clear		
CHEMICAL EXAMINATION			
pH (Urine)	6.0		4.5 - 8.0
Specific Gravity (Urine/Dip Stick ó"Reagent strip method)	1.025		1.002 - 1.035
Protein (Urine/Dip Stick ó"Reagent strip method)	Negative		Negative
Glucose (Urine)	Nil		Nil
Ketone (Urine/Dip Stick ó"Reagent strip method)	Nil		Nil
Leukocytes (Urine)	Negative	leuco/uL	Negative
Nitrite (Urine/Dip Stick ó"Reagent strip method)	Nil		Nil
Bilirubin (Urine)	Negative	mg/dL	Negative
Blood (Urine)	Nil		Nil







Name	: Mrs. HEMALATHA R		
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Ref. Dr	: MediWheel		

Investigation Urobilinogen (Urine/Dip Stick o ^r Reagent strip method) Urine Microscopy Pictures	Observed Value Normal	<u>Unit</u>	Biological Reference Interval Within normal limits
RBCs (Urine/Microscopy) Pus Cells (Urine/Microscopy)	Nil 2-3	/hpf /hpf	NIL < 5
Epithelial Cells (Urine/Microscopy)	1-2	/hpf	No ranges
Others (Urine)	Nil		Nil







Name	: Mrs. HEMALATHA R
PID No.	: MED112125091
SID No.	: 712409230
Age / Sex	: 39 Year(s) / Female
Туре	: OP
Ref. Dr	: MediWheel

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<u>Stool Analysis - ROUTINE</u>			
Colour (Stool)	Brown		Brown
Blood (Stool)	Not present		Not present
Mucus (Stool)	Not present		Not present
Reaction (Stool)	Alkaline		Alkaline
Consistency (Stool)	Semi solid		Semi solid
Ova (Stool)	Nil		Nil
Others (Stool)	Nil		Nil
Cysts (Stool)	Nil		Nil
Trophozoites (Stool)	Nil		Nil
RBCs (Stool)	Nil	/hpf	Nil
Pus Cells (Stool)	1-2	/hpf	Nil
Macrophages (Stool)	Nil		Nil
Epithelial Cells (Stool)	Nil	/hpf	Nil







-- End of Report --

Name	MRS.HEMALATHA R	ID	MED112125091	
Age & Gender	39Y/FEMALE	Visit Date	22/03/2024	
Ref Doctor Name	MediWheel			MEDALL

<u>2 D ECHOCARDIOGRAPHIC STUDY</u>

M mode measurement:

AORTA			:	2.9cms
LEFT ATRIUM			:	2.9cms
LEFT VENTRICLE	(DIASTOLE))	:	4.5cms
(SYS'	TOLE)	:	2.6cm	S
VENTRICULAR SEPTUM	(DIASTOLE)		:	0.8cms
(SYS	TOLE)	:	1.0cm	S
POSTERIOR WALL	(DIASTOLE)		:	0.8cms
(SYST	TOLE)	:	1.0cm	S
EDV			:	61ml
ESV			:	24ml
FRACTIONAL SHORTENI	NG		:	33%
EJECTION FRACTION			:	61%
RVID			:	1.0cms

DOPPLER MEASUREMENTS:

MITRAL VALVE	: E' -	0.77m/s	A' - 0.27 m/s	NO MR
AORTIC VALVE	:	0.98 m/s		NO AR
TRICUSPID VALVE	: E' -	0.67m/s	A' - 0.30 m/s	NO TR
PULMONARY VALVE	:	0.73m/s		NO PR

2D ECHOCARDIOGRAPHY FINDINGS:

Left ventricle

: Normal size, Normal systolic function.

Name	MRS.HEMALATHA R	ID	MED112125091	
Age & Gender	39Y/FEMALE	Visit Date	22/03/2024	
Ref Doctor Name	MediWheel			MEDALL

No regional wall motion abnormalities.

Left Atrium	: Normal.
Right Ventricle	: Normal.
Right Atrium	: Normal.
Mitral valve	: Normal, No mitral valve prolapse.
Aortic valve	: Normal, Trileaflet.
Tricuspid valve	: Normal.
Pulmonary valve	: Normal.
IAS	: Intact.
IVS	: Intact.
Pericardium	: No pericardial effusion.

IMPRESSION:

- > NORMAL SIZED CARDIAC CHAMBERS.
- > NORMAL LV SYSTOLIC FUNCTION. EF: 61 %.
- > NO REGIONAL WALL MOTION ABNORMALITIES.
- > NORMAL VALVES.
- > NO CLOTS/ PERICARDIAL EFFUSION VEGETATION.



DR. NIKHIL B INTERVENTIONAL CARDIOLOGIST NB/mm



Name	Mrs. HEMALATHA R	ID	MED112125091
Age & Gender	39Y/F	Visit Date	Mar 22 2024 7:37AM
Ref Doctor	MediWheel		

X - RAY CHEST PA VIEW

Bilateral lung fields appear normal.

Cardiac size is within normal limits.

Bilateral hilar regions appear normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

<u>Impression</u>: No significant abnormality detected.

DR. MOHAN. B (DMRD, DNB, EDIR, FELLOW IN CARDIAC MRI) CONSULTANT RADIOLOGIST