Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
HAEMATOLOGY			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood'Spectrophotometry)	13.0	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Derived from Impedance)	39.9	%	37 - 47
RBC Count (EDTA Blood/Impedance Variation)	4.81	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood/Derived from Impedance)	83.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood'Derived from Impedance)	26.9	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood/Derived from Impedance)	32.5	g/dL	32 - 36
RDW-CV (Derived from Impedance)	14.2	%	11.5 - 16.0
RDW-SD (Derived from Impedance)	41.25	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood/Impedance Variation)	7710	cells/cu.mm	4000 - 11000
Neutrophils (Blood/Impedance Variation & Flow Cytometry)	49.95	%	40 - 75
Lymphocytes (Blood/Impedance Variation & Flow Cytometry)	38.41	%	20 - 45
Eosinophils (Blood/Impedance Variation & Flow Cytometry)	3.18	%	01 - 06





APPROVED BY

Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Monocytes (Blood/Impedance Variation & Flow Cytometry)	8.33	%	01 - 10
Basophils (Blood/Impedance Variation & Flow Cytometry)	0.12	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	3.85	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	2.96	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.25	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood'Impedance Variation & Flow Cytometry)	0.64	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.01	10^3 / µl	< 0.2
Platelet Count (EDTA Blood/Impedance Variation)	332.5	10^3 / µl	150 - 450
MPV (Blood/Derived from Impedance)	7.25	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.24	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood/ <i>Modified Westergren</i>)	8	mm/hr	< 20





Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation BIOCHEMISTRY	Observed Value	<u>Unit</u>	Biological Reference Interval
Liver Function Test			
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.4	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.2	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.2	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	7.8	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.7	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	3.1	g/dL	2.3 - 3.5
A : G Ratio (Serum/Derived)	1.5		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	20	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	12	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/IFCC Kinetic)	70	U/L	42 - 98
GGT(Gamma Glutamyl Transpeptidase) (Serum/SZASZ standarised IFCC)	9	U/L	< 38





Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Lipid Profile			
Cholesterol Total (Serum/Cholesterol oxidase/Peroxidase)	116	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	47	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)	51	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/ <i>Calculated</i>)	55.6	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	9.4	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i>)	65.0	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >=220



VERIFIED BY



APPROVED BY

Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
INTERPRETATION: 1.Non-HDL Cholesterol is now 2.It is the sum of all potentially atherogenic proteins in co-primary target for cholesterol lowering therapy.	1		
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	2.3		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
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/ <i>Calculated</i>)	0.9		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	1.1		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0



DR SHAMIM JAVED MD PATHOLOGY KMC 88902

Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation	<u>Dbserved</u> Value	<u>Unit</u>	<u>Biological</u> Reference Interval
<u>Glycosylated Haemoglobin (HbA1c)</u>			
HbA1C (Whole Blood/ <i>HPLC</i>)	5.7	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5
INTERPRETATION . If Diabetes - Good control : 61 - 70	% Fair control : 7	71-80% Poor control >-	- 8 1 %

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

Estimated Average Glucose	116.89	mg/
---------------------------	--------	-----

(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.



VERIFIED BY



APPROVED BY

Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval	
IMMUNOASSAY				
<u>THYROID PROFILE / TFT</u>				
T3 (Triiodothyronine) - Total (Serum/ <i>CMIA</i>) INTERPRETATION: Comment : Total T3 variation can be seen in other condition like preg Metabolically active.	1.03 gnancy, drugs, neph	ng/mL rosis etc. In such cas	0.7 - 2.04 es, Free T3 is recommended as it is	
T4 (Thyroxine) - Total (Serum/ <i>CMIA</i>)	9.08	µg/dL	4.2 - 12.0	
INTERPRETATION: Comment : Total T4 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T4 is recommended as it is Metabolically active.				
TSH (Thyroid Stimulating Hormone) (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	1.76	µIU/mL	0.35 - 5.50	
INTERPRETATION: Reference range for cord blood - upto 20 1 st trimester: 0.1-2.5 2 nd trimester 0.2-3.0 3 rd trimester : 0.3-3.0 (Indian Thyroid Society Guidelines) Comment : 1.TSH reference range during pregnancy depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and BMI. 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&lt0 03 uUI/mL, need to be clinically correlated due to presence of rare TSH variant in some individuals				

3.Values&lt0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.



Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
CLINICAL PATHOLOGY			
PHYSICAL EXAMINATION			
Colour (Urine)	Pale yellow		
Appearance (Urine)	Clear		Clear
Volume (Urine)	15	mL	
<u>CHEMICAL EXAMINATION(Automated-</u> <u>Urineanalyser)</u>			
pH (Urine/AUTOMATED URINANALYSER)	5.0		4.5 - 8.0
Specific Gravity (Urine)	1.010		1.002 - 1.035
Ketones (Urine)	Negative		Negative
Urobilinogen (Urine/AUTOMATED URINANALYSER)	0.2		0.2 - 1.0
Blood (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Nitrite (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Bilirubin (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Protein (Urine)	Negative		Negative





APPROVED BY

Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Glucose (Urine)	Negative		Negative
Leukocytes (Urine) <u>MICROSCOPY(URINE DEPOSITS)</u>	Negative	leuco/uL	Negative
Pus Cells (Urine/Flow cytometry)	Nil	/hpf	3-5
Epithelial Cells (Urine)	0-2	/hpf	1-2
RBCs (Urine/Flow cytometry)	1-2	/hpf	2-3
Others (Urine)	Nil		Nil





APPROVED BY

Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation

<u>Observed</u> <u>Value</u> <u>Unit</u>

Biological Reference Interval

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING (EDTA Blood/Agglutination)

'O' 'Positive'

INTERPRETATION: Note: Slide method is screening method. Kindly confirm with Tube method for transfusion.



VERIFIED BY



Name	: Mrs. VIJAYALAKSHMI	
PID No.	: MED120799571	Register On : 12/02/2022 9:40 AM
SID No.	: 522208510	Collection On : 12/02/2022 10:39 AM
Age / Sex	: 28 Year(s) / Female	Report On : 13/02/2022 12:02 PM
Туре	: OP	Printed On : 07/03/2022 6:33 PM
Ref. Dr	: MediWheel	

Investigation <u>BIOCHEMISTRY</u>	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
BUN / Creatinine Ratio	25		6 - 22
Glucose Fasting (FBS) (Plasma - F/GOD - POD)	79	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.

Glucose Fasting - Urine (Urine - F)	Negative		Negative
Glucose Postprandial (PPBS) (Plasma - PP/GOD - POD)	95	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.

Blood Urea Nitrogen (BUN) (Serum/Urease-GLDH)	15	mg/dL	7.0 - 21
Creatinine	0.6	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	5.1	mg/dL	2.6 - 6.0
(Serum/Uricase/Peroxidase)			



VERIFIED BY



APPROVED BY

-- End of Report --

Name	MRS.VIJAYALAKSHMI	ID	MED120799571
Age & Gender	28Y/FEMALE	Visit Date	12 Feb 2022
Ref Doctor Name	MediWheel		

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (10.3cm) and has uniform echopattern. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER show normal shape and has clear contents. Wall is of normal thickness. CBD is of normal calibre.

PANCREAS has normal shape, size and uniform echopattern. No evidence of ductal dilatation or calcification.

SPLEEN show normal shape, size (8.0cm) and echopattern.

No demonstrable Para-aortic lymphadenopathy.

KIDNEYS

Right kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

Left kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

The kidney measures as follows:

-	Bipolar length (cm)	Parenchymal thickness (cm)
Right Kidney	10.6	0.9
Left Kidney	11.1	1.8

URINARY BLADDER is partially distended.

UTERUS is anteverted and has normal shape and size. It has uniform myometrial echopattern. Endometrial thickness measures about 12 - 13mm.

Uterus measures LS: 7.0cm AP: 3.1cm TS: 5.5cm.

OVARIES are normal in size, shape and echotexture.

Right ovary measures 3.6 x 1.5cm. Left ovary measures 3.0 x 1.9cm.

POD & adnexa are free. No evidence of ascites.

IMPRESSION:

• No significant abnormality detected.

DR. H.K. ANAND DR. C.R RAMACHANDRA DR. LOHITH H.P DR. VARSHA KALE CONSULTANT RADIOLOGISTS

Vk/ra

Name	MRS.VIJAYALAKSHMI	ID	MED120799571
Age & Gender	28Y/FEMALE	Visit Date	12 Feb 2022
Ref Doctor Name	MediWheel		

Name	MRS.VIJAYALAKSHMI	ID	MED120799571
Age & Gender	28Y/FEMALE	Visit Date	12 Feb 2022
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHIC STUDY

M-mode measurement:

AORTA	:	cms.
LEFT ATRIUM	:	cms.
AVS LEFT VENTRICLE	:	cms.
(DIASTOLE)	:	cms.
(SYSTOLE)	•	cms.
VENTRICULAR SEPTUM	:	
(DIASTOLE)	:	cms.
(SYSTOLE)	:	cms.
POSTERIOR WALL	:	
(DIASTOLE)	:	cms.
(SYSTOLE)	:	cms.
EDV	:	ml.
ESV	:	ml.
FRACTIONAL SHORTENING	:	%
EJECTION FRACTION	:	%
EPSS	:	cms.
RVID	:	cms.

DOPPLER MEASUREMENTS:

MITRAL VALVE:	E -	m/s	A -	m/s	NO MR.
AORTIC VALVE:		m/s			NO AR.
TRICUSPID VALVE: E -	m/s	A -	m/s		NO TR.
PULMONARY VALVE:		m/s			NO PR.

Name	MRS.VIJAYALAKSHMI	ID	MED120799571
Age & Gender	28Y/FEMALE	Visit Date	12 Feb 2022
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHY FINDINGS:

Left Ventricle:Normal size, Normal systolic function.:No regional wall motion abnormalities.

Left Atrium		:	Normal.
Right Ventricle :	:	Norma	al.
Right Atrium		:	Normal.
Mitral Valve		:	Normal. No mitral valve prolapsed.
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: 60 %.

• NO REGIONAL WALL MOTION ABNORMALITIES.

- NORMAL VALVES.
- NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

DR. ANAND KUMAR M, MD DM CONSULTANT INTERVENTIONAL CARDIOLOGIST

Name	MRS.VIJAYALAKSHMI	ID	MED120799571
Age & Gender	28Y/FEMALE	Visit Date	12 Feb 2022
Ref Doctor Name	MediWheel		



Name	VIJAYALAKSHMI	ID	MED120799571
Age & Gender	28Y/F	Visit Date	Feb 12 2022 11:20AM
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.

IMPRESSION:

• No significant abnormality detected.

Curry.

DR. H.K. ANAND DR. VARSHA KALE DR. LOHITH H.P CONSULTANT RADIOLOGISTS

DR. C.R. RAMACHANDRA