Name	: **Ms. J BHARATHI**		
PID No.	: MED122452807	**Register On**	: 10/02/2024 9:47 AM
SID No.	: 522402268	**Collection On**	: 10/02/2024 12:19 PM
Age / Sex	: 28 Year(s) / Female	**Report On**	: 10/02/2024 6:54 PM
Type	: OP	**Printed On**	: 12/02/2024 9:47 AM
Ref. Dr	: MediWheel		

Investigation	Observed Value	Unit	Biological Reference Interval
BLOOD GROUPING AND Rh TYPING (EDTA Blood/*Agglutination*)	'O' 'Positive'		

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

Complete Blood Count With - ESR

Investigation	Observed Value	Unit	Biological Reference Interval
Haemoglobin (EDTA Blood/*Spectrophotometry*)	12.9	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	39.1	%	37 - 47
RBC Count (EDTA Blood)	4.57	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	85.4	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	28.1	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	32.9	g/dL	32 - 36
RDW-CV	15.9	%	11.5 - 16.0
RDW-SD	**47.53**	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	9200	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	61.9	%	40 - 75
Lymphocytes (Blood)	27.9	%	20 - 45
Eosinophils (Blood)	4.0	%	01 - 06
Monocytes (Blood)	4.9	%	01 - 10

MC-5606

Dr. Arjun C.P
MBBS MD Pathology
Reg No:KMC 89655

APPROVED BY

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Investigation	Observed Value	Unit	Biological Reference Interval
Basophils (Blood)	1.3	%	00 - 02

INTERPRETATION: Tests done on Automated Five Part cell counter. All abnormal results are reviewed and confirmed microscopically.

Investigation	Observed Value	Unit	Biological Reference Interval
Absolute Neutrophil count (EDTA Blood)	5.69	$10^3 / \mu l$	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.57	$10^3 / \mu l$	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.37	$10^3 / \mu l$	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.45	$10^3 / \mu l$	< 1.0
Absolute Basophil count (EDTA Blood)	0.12	$10^3 / \mu l$	< 0.2
Platelet Count (EDTA Blood)	360	$10^3 / \mu l$	150 - 450
MPV (Blood)	8.1	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	**0.29**	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	10	mm/hr	< 20
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	94.00	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.

Investigation	Observed Value	Unit	Biological Reference Interval
Glucose, Fasting (Urine) (Urine - F/GOD - POD)	Negative		Negative
Glucose Postprandial (PPBS) (Plasma - PP/GOD-PAP)	**65.65**	mg/dL	70 - 140

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Investigation	Observed Value	Unit	Biological Reference Interval

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.

Investigation	Observed Value	Unit	Biological Reference Interval
Urine Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	**5.2**	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.60	mg/dL	0.6 - 1.1

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.

Investigation	Observed Value	Unit	Biological Reference Interval
Uric Acid (Serum/Enzymatic)	5.03	mg/dL	2.6 - 6.0

Liver Function Test

Investigation	Observed Value	Unit	Biological Reference Interval
Bilirubin(Total) (Serum/DCA with ATCS)	0.72	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	**0.32**	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.40	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	8.12	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	6.20	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	17.06	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	83.6	U/L	42 - 98

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Ref. Dr	:	MediWheel			

Investigation	Observed Value	Unit	Biological Reference Interval
Total Protein (Serum/*Biuret*)	7.10	gm/dl	6.0 - 8.0
Albumin (Serum/*Bromocresol green*)	4.25	gm/dl	3.5 - 5.2
Globulin (Serum/*Derived*)	2.85	gm/dL	2.3 - 3.6
A : G RATIO (Serum/*Derived*)	1.49		1.1 - 2.2

Lipid Profile

Investigation	Observed Value	Unit	Biological Reference Interval
Cholesterol Total (Serum/*CHOD-PAP with ATCS*)	112.61	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/*GPO-PAP with ATCS*)	58.93	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.

Investigation	Observed Value	Unit	Biological Reference Interval
HDL Cholesterol (Serum/*Immunoinhibition*)	**48.69**	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/*Calculated*)	52.1	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/*Calculated*)	11.8	mg/dL	< 30

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Investigation	Observed Value	Unit	Biological Reference Interval
Non HDL Cholesterol (Serum/*Calculated*)	63.9	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220

INTERPRETATION: 1.Non-HDL Cholesterol is now proven to be a better cardiovascular risk marker than LDL Cholesterol.
2.It is the sum of all potentially atherogenic proteins including LDL, IDL, VLDL and chylomicrons and it is the "new bad cholesterol" and is a co-primary target for cholesterol lowering therapy.

Investigation	Observed Value	Unit	Biological Reference Interval
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/*Calculated*)	1.2		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

Glycosylated Haemoglobin (HbA1c)

Investigation	Observed Value	Unit	Biological Reference Interval
HbA1C (Whole Blood/*HPLC*)	**5.7**	%	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 %

Investigation	Observed Value	Unit	
Estimated Average Glucose (Whole Blood)	116.89	mg/dL	

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<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>

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.

THYROID PROFILE / TFT

Investigation	Observed Value	Unit	Biological Reference Interval
T3 (Triiodothyronine) - Total (Serum/*ECLIA)*	1.04	ng/ml	0.7 - 2.04

INTERPRETATION:

Comment :

Total T3 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T3 is recommended as it is Metabolically active.

Investigation	Observed Value	Unit	Biological Reference Interval
T4 (Tyroxine) - Total (Serum/*ECLIA)*	6.44	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.

Investigation	Observed Value	Unit	Biological Reference Interval
TSH (Thyroid Stimulating Hormone) (Serum/*ECLIA)*	**8.64**	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&amplt;0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

PHYSICAL EXAMINATION (URINE COMPLETE)

MC-5606

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Ref. Dr	: **MediWheel**			

Investigation	Observed Value	Unit	Biological Reference Interval
Colour (Urine)	Yellow		Yellow to Amber
Appearance (Urine)	Clear		Clear
Volume(CLU) (Urine)	25		

CHEMICAL EXAMINATION (URINE COMPLETE)

Investigation	Observed Value	Unit	Biological Reference Interval
pH (Urine)	5.5		4.5 - 8.0
Specific Gravity (Urine)	1.011		1.002 - 1.035
Ketone (Urine)	Negative		Negative
Urobilinogen (Urine)	Normal		Normal
Blood (Urine)	Negative		Negative
Nitrite (Urine)	Negative		Negative
Bilirubin (Urine)	Negative		Negative
Protein (Urine)	Negative		Negative
Glucose (Urine/GOD - POD)	Negative		Negative
Leukocytes(CP) (Urine)	Negative		

MICROSCOPIC EXAMINATION (URINE COMPLETE)

MC-5606

Dr.Arjun C.P
MBBS MD Pathology
Reg No:KMC-89655

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Investigation	Observed Value	Unit	Biological Reference Interval
Pus Cells (Urine)	**0-1**	/hpf	NIL
Epithelial Cells (Urine)	**0-1**	/hpf	NIL
RBCs (Urine)	NIL	/HPF	NIL
Others (Urine)	NIL		

INTERPRETATION: Note: Done with Automated Urine Analyser & Automated urine sedimentation analyser. All abnormal reports are reviewed and confirmed microscopically.

Casts (Urine)	NIL	/hpf	NIL
Crystals (Urine)	NIL	/hpf	NIL

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MBBS MD Pathology
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Investigation	Observed Value	Unit	Biological Reference Interval
BUN / Creatinine Ratio	**5.2**		6.0 - 22.0

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Investigation	Observed Value	Unit	Biological Reference Interval

URINE ROUTINE

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-- End of Report --

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Name	MS.J BHARATHI	ID	MED122452807
Age & Gender	28Y/FEMALE	Visit Date	10 Feb 2024
Ref Doctor Name	MediWheel		

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (13.2 cm) and has uniform echopattern. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER - Partially distended.
CBD is not dilated.

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

SPLEEN show normal shape, size and echopattern.

BOTH 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 (cms)	Parenchymal thickness (cms)
Right Kidney	10.3	1.4
Left Kidney	12.3	1.8

URINARY BLADDER show normal shape and wall thickness. It has clear contents.   No evidence of diverticula.

UTERUS is anteverted and has normal shape and size. It has uniform myometrial echopattern. Endometrial echo is of normal thickness - 5.6 mm.
Uterus measures LS: 4.9 cms   AP: 4.7 cms   TS: 3.0 cms.

OVARIES are normal in size, shape and echotexture
Right ovary measures 2.4 x 1.5 cm   Left ovary measures 2.5 x 2.1 cm.

POD & adnexa are free.
No evidence of ascites.

IMPRESSION:

- **No significant abnormality detected in the Abdomen & Pelvis.**

Name	MS.J BHARATHI	ID	MED122452807
Age & Gender	28Y/FEMALE	Visit Date	10 Feb 2024
Ref Doctor Name	MediWheel		

DR. HEMANANDINI V.N
CONSULTANT RADIOLOGISTS
Hn/Sp

Name	MS.J BHARATHI	ID	MED122452807
Age & Gender	28Y/FEMALE	Visit Date	10 Feb 2024
Ref Doctor Name	MediWheel		

Name	MS.J BHARATHI		ID	MED122452807
Age & Gender	28Y/FEMALE		Visit Date	10 Feb 2024
Ref Doctor Name	MediWheel			

2D ECHOCARDIOGRAPHIC STUDY

M-mode measurement:

AORTA	:	2.11	cms.
LEFT ATRIUM	:	2.62	cms.
AVS	:	1.47	cms.

LEFT VENTRICLE

(DIASTOLE)	:	4.22	cms.
(SYSTOLE)	:	2.52	cms.

VENTRICULAR SEPTUM :

(DIASTOLE)	:	0.98	cms.
(SYSTOLE)	:	1.29	cms.

POSTERIOR WALL :

(DIASTOLE)	:	1.08	cms.
(SYSTOLE)	:	1.29	cms.
EDV	:	79	ml.
ESV	:	22	ml.
FRACTIONAL SHORTENING	:	40	%
EJECTION FRACTION	:	60	%
EPSS	:	----	cms.
RVID	:	1.80	cms.

DOPPLER MEASUREMENTS:

MITRAL VALVE: E - 0.8 m/s   A - 0.6 m/s   NO MR.

AORTIC VALVE: 1.1 m/s   NO AR.

TRICUSPID VALVE: E - 0.4 m/s   A - 0.3 m/s   NO TR.

PULMONARY VALVE: 0.8 m/s   NO PR.

2D ECHOCARDIOGRAPHY FINDINGS:

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

Left Atrium : Normal.

Right Ventricle : Normal.

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. YASHODA RAVI
CONSULTANT CARDIOLOGIST

Name	MS.J BHARATHI	ID	MED122452807
Age & Gender	28Y/FEMALE	Visit Date	10 Feb 2024
Ref Doctor Name	MediWheel		

Name	Ms. J BHARATHI	Customer ID	MED122452807
Age & Gender	28Y/F	Visit Date	Feb 10 2024 9:47AM
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.

Dr.Hemanandini
Consultant Radiologist

Patient Name	Bharathi. J	Date	10/2/2024
Age	28 yrs	Visit Number	522402269
Sex	Female	Corporate	Mediwheel

medall DIAGNOSTICS experts who care

GENERAL PHYSICAL EXAMINATION

Identification Mark :

Height : 160 cm   cms

Weight : 72   kgs

Pulse : 84   /minute

Blood Pressure : 120/70   mm of Hg

BMI : 28

BMI INTERPRETATION
Underweight = <18.5
Normal weight = 18.5-24.9
Overweight = 25-29.9

Chest :

Expiration :   cms

Inspiration :   cms

Abdomen Measurement :   cms

Eyes : } NAD   Ears : NAD

Throat :   Neck nodes : Not palpable

RS : BLE NVBI ⊕   CVS : S₁S₂ ⊕

PA : Soft, BS ⊕   CNS : conscious, alert

No abnormality is detected. His / Her general physical examination is within normal limits.

NOTE : MEDICAL FIT FOR EMPLOYMENT YES / NO

Dr. RITESH RAJ, MBBS
General Physician & Diabetologies
KMC Reg. No: 85875
OF UMAX DIAGNOSTICS

Signature

You can also conveniently view the reports and trends through our App. Scan QR code to download the App.

Please produce bill copy at the time of collecting the reports. Request you to provide your mobile number or customer id during your subsequent visits.

, MS. J BHARATHI
ID: 122452807

28 Years

Female

QRS :	80 ms	
QT / QTcBaz :	338 / 397 ms	
PR :	164 ms	
P :	96 ms	
RR / PP :	722 / 722 ms	
P / QRS / T :	62 / 21 / 38 degrees	

10.02.2024 12:02:34
CLIMAX DIAGNOSTICS
VYALIKAVAL
BANGALORE

Normal sinus rhythm
Normal ECG

83 bpm
-- / -- mmHg

I

aVR

V1

V4

II

aVL

V2

V5

III

aVF

V3

V6

II

GE   MAC2000   1.1   12SL™ v241   25 mm/s   20 mm/mV   ADS   0.56-20 Hz   50 Hz   Unconfirmed   1/1
4x2.5x3_25_R1