PID No.
 : MED111149234
 Register On
 : 11/06/2022 10:07 AM

 SID No.
 : 922033539
 Collection On
 : 11/06/2022 10:39 AM

 Age / Sex
 : 34 Year(s) / Female
 Report On
 : 11/06/2022 5:18 PM

(*) MEDALL

Ref. Dr : MediWheel

<u>Investigation</u>	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HAEMATOLOGY			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	10.04	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	31.3	%	37 - 47
RBC Count (EDTA Blood)	4.17	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	75.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	24.1	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	32.1	g/dL	32 - 36
RDW-CV (EDTA Blood)	17.5	%	11.5 - 16.0
RDW-SD (EDTA Blood)	45.94	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	7480	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood)	52.63	%	40 - 75
Lymphocytes (EDTA Blood)	34.81	%	20 - 45
Eosinophils (EDTA Blood)	4.13	%	01 - 06
Monocytes (EDTA Blood)	8.11	%	01 - 10
Basophils (EDTA Blood)	0.33	%	00 - 02
INTERPRETATION: Tests done on Automated Five F	Part cell counter. All	abnormal results are revie	ewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.94	10^3 / μ1	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.60	10^3 / μl	1.5 - 3.5

: Ms. KUSHBU N K Name

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Absolute Eosinophil Count (AEC) (EDTA Blood)	0.31	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.61	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.02	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	396.5	10^3 / μl	150 - 450
MPV (EDTA Blood)	10.46	fL	8.0 - 13.3
PCT (EDTA Blood/Automated Blood cell Counter)	0.41	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood)	22	mm/hr	< 20

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MEDALL

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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> Reference Interval
BIOCHEMISTRY			
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.29	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.09	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.20	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	10.37	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	6.61	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	17.58	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	59.13	U/L	42 - 98
Total Protein (Serum/Biuret)	8.02	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.57	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	3.45	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.32		1.1 - 2.2

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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	153.60	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	93.08	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 "usual" circulating level of triglycerides during most part of the day.

HDL Cholesterol (Serum/Immunoinhibition)	40.02	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/Calculated)	95	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	18.6	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	113.6	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.

co-primary target for cholesterol lowering therapy.

Total Cholesterol/HDL Cholesterol Ratio

3.8

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

(Serum/Calculated)

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	2.3		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.4		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0

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Investigation Glycosylated Haemoglobin (HbA1c)	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HbA1C (Whole Blood/HPLC)	5.8	%	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 %

Estimated Average Glucose 119.76 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 HbAlC 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 HbAlc.

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

IMMUNOASSAY

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 0.988 ng/ml 0.7 - 2.04

(Serum/ECLIA)

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.

T4 (Tyroxine) - Total 9.71 $\mu g/dl$ 4.2 - 12.0

(Serum/ECLIA)

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) 6.75 µIU/mL 0.35 - 5.50

(Serum/ECLIA)

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&lt 0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

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<u>Investigation</u>	<u>Observed</u> <u>Unit</u> <u>Value</u>	<u>Biological</u> <u>Reference Interval</u>
CLINICAL PATHOLOGY		
PHYSICAL EXAMINATION (URINE COMPLETE)		
Colour (Urine)	Pale Yellow	Yellow to Amber
Appearance (Urine)	Clear	Clear
Volume(CLU) (Urine)	15	
<u>CHEMICAL EXAMINATION (URINE COMPLETE)</u>		
pH (Urine)	5.5	4.5 - 8.0
Specific Gravity (Urine)	1.009	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)		

1-2

/hpf

Pus Cells

(Urine)

NIL

: Ms. KUSHBU N K Name

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: OP

Type



Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Epithelial Cells (Urine)	1-2	/hpf	NIL
RBCs (Urine)	Nil	/hpf	NIL
Others (Urine)	Nil		
INTERPRETATION: Note: Done with Automated Ur reviewed and confirmed microscopically.	ine Analyser & Auto	mated urine sedir	nentation analyser. All abnormal reports are
Casts (Urine)	Nil	/hpf	NIL
Crystals (Urine)	Nil	/hpf	NIL

: 34 Year(s) / Female

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Investigation BIOCHEMISTRY	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BUN / Creatinine Ratio	11.8		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	82.06	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/GOD - POD)	Negative		Negative
Glucose Postprandial (PPBS)	120.54	mg/dL	70 - 140

(Plasma - PP/GOD-PAP)

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 Glucose(PP-2 hours)	Negative		Negative
(Urine - PP)			
Blood Urea Nitrogen (BUN)	7.0	mg/dL	7.0 - 21
(Serum/Urease UV / derived)			
Creatinine	0.59	mg/dL	0.6 - 1.1
(Serum/Modified Jaffe)			

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 3.72 mg/dL 2.6 - 6.0

(Serum/Enzymatic)

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

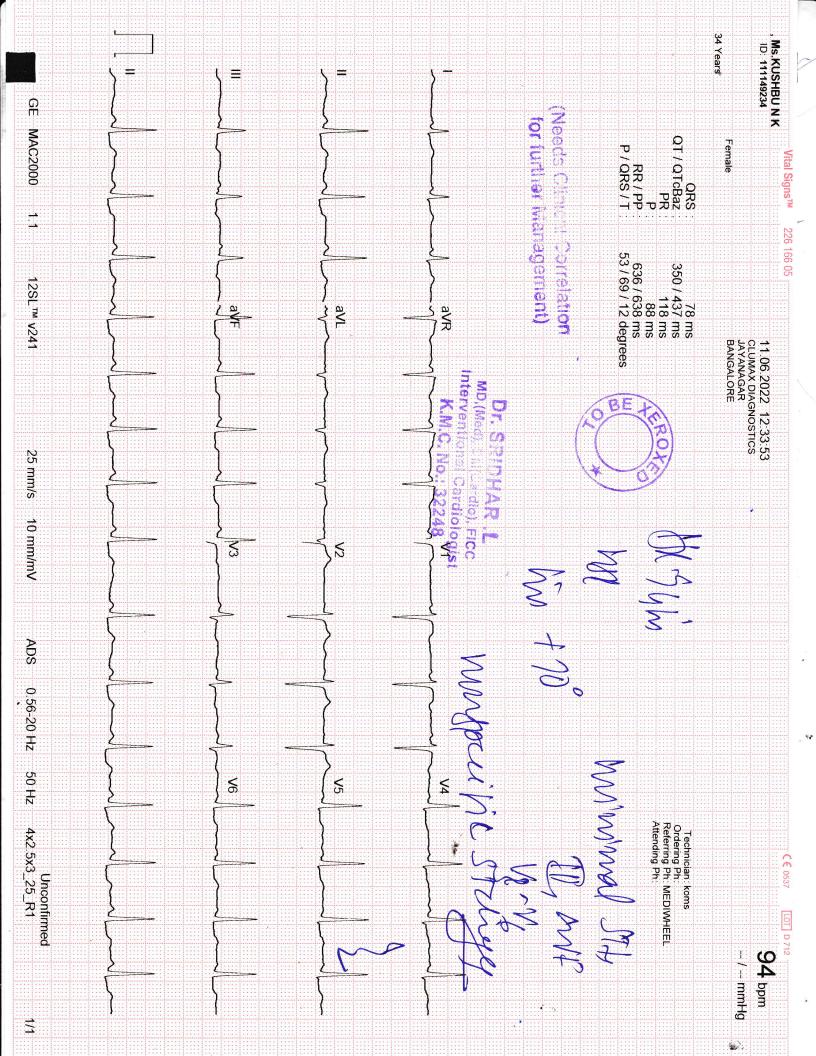
IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING

 $({\rm EDTA~Blood} Agglutination)$

'B' 'Positive'

-- End of Report --





Name	MS.KUSHBU N K	ID	WED111140004
Age & Gender	0.437 / 77777		MED111149234
Age & Gender	34Y/FEMALE	Visit Date	11/06/2022
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2D ECHOCARDIOGRAPHIC STUDY

M mode measurement:

AORTA : 2.61 cms

LEFT ATRIUM : 2.61 cms

AVS : 1.02 cms

LEFT VENTRICLE (DIASTOLE) : 3.92 cms

(SYSTOLE) : 2.61 cms

VENTRICULAR SEPTUM (DIASTOLE) : 0.94 cms

(SYSTOLE) : 1.63 cms

POSTERIOR WALL (DIASTOLE) : 0.98 cms

(SYSTOLE) : 2.33 cms

EDV : 66 ml

ESV : 24 ml

FRACTIONAL SHORTENING : 33 %

EJECTION FRACTION : 62 %

EPSS : cms

RVID : 1.47 cms

DOPPLER MEASUREMENTS

MITRAL VALVE : 'E' -1.25m/s 'A' -0.96m/s NO MR

AORTIC VALVE :1.43 m/s NO AR

TRICUSPID VALVE : 'E' -0.68m/s 'A' - m/s NO TR

PULMONARY VALVE :0.84 m/s NO PR



Name	MS.KUSHBU N K	ID	MED111149234
Age & Gender	34Y/FEMALE	Visit Date	11/06/2022
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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 prolapse.

Aortic valve

Normal, Trileaflet

Tricuspid valve

Normal.

Pulmonary valve

Normal.

IAS

Intact.

IVS

Intact.

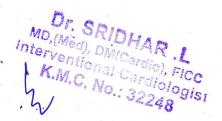
Pericardium

No Pericardial effusion.

IMPRESSION:

- > NORMAL SIZED CARDIAC CHAMBERS.
- > NORMAL LV SYSTOLIC FUNCTION. EF: 62 %
- NO REGIONAL WALL MOTION ABNORMALITIES.
- > NORMAL VALVES.
- NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

(KINDLY CORRELATE CLINICALLY AND WITH ECG)



DR.SRIDHAR.L MD,DM,FICC. CONSULTANT CARDIOLOGIST Ls/ml

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Custom	er Name	Ms. Keeshber. N.x	Customer ID	MED
Age & G				111149239
<u> </u>	1.	34 yrs Genale	Visit Date	11:6.2022

Medichell

Eye Screening

With spectacles / without spectacles (strike out whichever is not applicable)

Near Vision

Right Eye 6/6Distance Vision 6/6Colour Vision 6/6 6/6 6/6

Observation / Comments:

Normal vision

No comments

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9675 9637 3197 VID: 9168 2286 6148 6955



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Name	MS.KUSHBU N K	ID	MED111140001
A 0 C 1		110	MED111149234
Age & Gender	34Y/FEMALE	Visit Date	11/06/2022
Ref Doctor	MediWheel		11/00/2022

ABDOMINO-PELVIC ULTRASONOGRAPHY

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

GALL BLADDER shows multiple polyps, largest measuring 4.0mm Gall bladder 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 and echopattern.

No demonstrable Para -aortic lymphadenopathy.

KIDNEYS move well with respiration and have normal shape, size and echopattern. Cortico- medullary differentiations are well madeout. No evidence of calculus or hydronephrosis.

The kidney measures as follows

	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	9.4	1.6
Left Kidney	9.1	1.7

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 – 9.0mms.

Uterus measures as follows:

LS: 8.3cms AP: 2.9cms T

TS: 4.4cms.

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ame	MS.KUSHBU N K	ID	MED111149234
Age & Gender	34Y/FEMALE	Visit Date	11/06/2022
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OVARIES are normal size, shape and echotexture

Ovaries measures as follows:

Right ovary: 2.7 x 1.8cms. Left ovary: 2.6 x 1.7cms.

POD & adnexa are free.

No evidence of ascites.

Impression: Gall bladder polyps.

CONSULTANT RADIOLOGISTS:

DR. H. K. ANAND

Ms/pu

DR. MAHESH. M. S

DR. HIMA BINDU.P



Name	KUSHBU N K	Customer ID	MED111149234
Age & Gender	34Y/F	Visit Date	Jun 11 2022 10:06AM
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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: Essentially normal study.

DR. HIMA BINDU P

CONSULTANT RADIOLOGIST