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 : MED111134141
 Register On
 : 07/06/2022 10:29 AM

 SID No.
 : 2322213649
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 Age / Sex
 : 47 Year(s) / Female
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 : 07/06/2022 8:08 PM

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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HAEMATOLOGY			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	13.3	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	39.7	%	37 - 47
RBC Count (EDTA Blood)	4.52	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	87.7	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	29.5	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	33.6	g/dL	32 - 36
RDW-CV	13.5	%	11.5 - 16.0
RDW-SD	41.44	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	5200	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	48.4	%	40 - 75
Lymphocytes (Blood)	39.6	%	20 - 45
Eosinophils (Blood)	2.3	%	01 - 06



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Monocytes (Blood)	8.8	%	01 - 10
Basophils (Blood)	0.9	%	00 - 02
INTERPRETATION: Tests done on Automated Five P	art cell counter. All a	abnormal results are	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	2.52	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.06	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.12	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.46	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.05	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	168	10^3 / μl	150 - 450
MPV (Blood)	13.1	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.22	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	33	mm/hr	< 20



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Investigation BIOCHEMISTRY	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.57	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.17	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)	25.18	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	27.82	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	12.82	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	65.30	U/L	42 - 98
Total Protein (Serum/Biuret)	7.55	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.17	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	3.38	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.23		1.1 - 2.2



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	176.00	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	99.27	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)	47.02	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/Calculated)	109.1	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	19.9	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	129.0	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220



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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.

Total Cholesterol/HDL Cholesterol Ratio 3.7 Optimal: < 3.3 (Serum/Calculated) 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 2.1 Optimal: < 2.5

(TG/HDL) Mild to moderate risk: 2.5 - 5.0

(Serum/Calculated) High Risk: > 5.0

LDL/HDL Cholesterol Ratio

2.3 Optimal: 0.5 - 3.0

(Serum/Calculated)
Borderline: 3.1 - 6.0
High Risk: > 6.0



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<u>Investigation</u>	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Glycosylated Haemoglobin (HbA1c)			
HbA1C (Whole Blood/HPLC)	5.9	%	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 %

Estimated Average Glucose 122.63 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 HbA1c.



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

IMMUNOASSAY

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 1.08 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 8.15 µg/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) 0.996 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 & amplt 0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.



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InvestigationObservedUnitBiologicalValueReference Interval

CLINICAL PATHOLOGY

PHYSICAL EXAMINATION (URINE COMPLETE)

Colour Pale Yellow Yellow to Amber

(Urine)

Appearance Clear Clear

(Urine)

Volume(CLU) 20

(Urine)

CHEMICAL EXAMINATION (URINE

<u>COMPLETE</u>)

pH 5.5 4.5 - 8.0

(Urine)

Specific Gravity 1.004 1.002 - 1.035

(Urine)

Ketone Negative Negative

(Urine)

Urobilinogen Normal Normal

(Urine)

Blood Negative Negative

(Urine)

Nitrite Negative Negative

(Urine)

Bilirubin Negative Negative

(Urine)

Protein Negative Negative

(Urine)



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Glucose Negative Negative

(Urine/GOD - POD)

Leukocytes(CP) Negative

(Urine)

MICROSCOPIC EXAMINATION (URINE COMPLETE)

Pus Cells 0-1 /hpf NIL

(Urine)

Epithelial Cells 0-1 /hpf NIL

(Urine)

RBCs NIL /hpf NIL

(Urine)

Others

(Urine)

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



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IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING 'A' 'Positive'

(EDTA Blood/Agglutination)



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BIOCHEMISTRY			
BUN / Creatinine Ratio	15.80		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	94.39	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) (Plasma - PP/GOD-PAP)	124.26	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 resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti- diabetic medication during treatment for Diabetes.

Urine Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	9.8	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.62	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.

Uric Acid 5.15 mg/dL 2.6 - 6.0 (Serum/Enzymatic)



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APPROVED BY

-- End of Report --

Name : Mrs. KAVITA DEVI Register On : 07/06/2022 10:29 AM

Ref. Dr : MediWheel OP / IP : OP

PAP Smear by LBC(Liquid based Cytology)

Nature of Specimen: Cervical smear

Lab No: GC 798/22

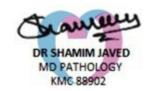
Specimen type: Liquid based preparation
Specimen adequacy: Satisfactory for evaluation
Endocervical / Transformation zone cells: Absent
General categorization: Within normal limits

DESCRIPTION: Smear show predominantly superficial squamous cells and occasional intermediate cells in a background

of occasional neutrophils.

INTERPRETATION: Negative for intraepithelial lesion or malignancy - Normal pap smear study.





Name	MRS.KAVITA DEVI	ID	MED111134141
Age & Gender	47Y/FEMALE	Visit Date	07 Jun 2022
Ref Doctor Name	MediWheel		

2 D ECHOCARDIOGRAPHIC STUDY

M mode measurement:

AORTA : 2.4cms

LEFT ATRIUM : 3.3cms

AVS :----

LEFT VENTRICLE (DIASTOLE) : 4.3cms

(SYSTOLE) : 2.8cms

VENTRICULAR SEPTUM (DIASTOLE) : 1.0cms

(SYSTOLE) : 1.2cms

POSTERIOR WALL (DIASTOLE) : 1.0cms

(SYSTOLE) : 1.2cms

EDV : 83ml

ESV : 31ml

FRACTIONAL SHORTENING : 34%

EJECTION FRACTION : 63%

EPSS :---

RVID : 1.7cms

DOPPLER MEASUREMENTS:

MITRAL VALVE : E' 0.81 m/s A' 0.70 m/s NO MR

AORTIC VALVE : 1.06 m/s NO AR

TRICUSPID VALVE : E' 1.54 m/s A' - m/s NO TR

PULMONARY VALVE : 0.66 m/s NO PR

Name	MRS.KAVITA DEVI	ID	MED111134141
Age & Gender	47Y/FEMALE	Visit Date	07 Jun 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 : 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: 63%.
- > NO REGIONAL WALL MOTION ABNORMALITIES.
- > NORMAL VALVES.
- > NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

DR. K.S. SUBRAMANI. MBBS, MD, DM (CARDIOLOGY) FESC SENIOR CONSULTANT INTERVENTIONAL CARDIOLOGIST Kss/vp

Name	MRS.KAVITA DEVI	ID	MED111134141
Age & Gender	47Y/FEMALE	Visit Date	07 Jun 2022
Ref Doctor Name	MediWheel		

- Note:

 * Report to be interpreted by qualified medical professional.

 * To be correlated with other clinical findings.

 * Parameters may be subjected to inter and intra observer variations.

Name	MRS.KAVITA DEVI	ID	MED111134141
Age & Gender	47Y/FEMALE	Visit Date	07 Jun 2022
Ref Doctor Name	MediWheel		

2 D ECHOCARDIOGRAPHIC STUDY

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(SYSTOLE) : 1.2cms

EDV : 83ml

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FRACTIONAL SHORTENING : 34%

EJECTION FRACTION : 63%

EPSS :---

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AORTIC VALVE : 1.06 m/s NO AR

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PULMONARY VALVE : 0.66 m/s NO PR

Name	MRS.KAVITA DEVI	ID	MED111134141
Age & Gender	47Y/FEMALE	Visit Date	07 Jun 2022
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHY FINDINGS:

Left ventricle : Normal size, Normal systolic function.

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Left Atrium : Normal.

Right Ventricle : Normal.

Right Atrium : Normal.

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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: 63%.
- > NO REGIONAL WALL MOTION ABNORMALITIES.
- > NORMAL VALVES.
- > NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

DR. K.S. SUBRAMANI. MBBS, MD, DM (CARDIOLOGY) FESC SENIOR CONSULTANT INTERVENTIONAL CARDIOLOGIST Kss/vp

Name	MRS.KAVITA DEVI	ID	MED111134141
Age & Gender	47Y/FEMALE	Visit Date	07 Jun 2022
Ref Doctor Name	MediWheel		

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Name	KAVITA DEVI	Customer ID	MED111134141
Age & Gender	47Y/F	Visit Date	Jun 7 2022 10:28AM
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: Essentially normal study.

DR. SHWETHA S
CONSULTANT RADIOLOGIST