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rement 38	ement Results		8	a L Sa	Interpretation 125L - Interpretation Normal sinus rhythm		
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#### MEDICAL EXAMINATION REPORT Date of Birth 12-06 . 1983 Gender M/F V. Suy Sankai · Name Identification marks Position Selected For HISTORY: 1. Do you have, or are you being treated for, any of the following coeditions? (please tick all that apply)? High Blood Pressure Cancer Anxiety High Cholesterol Depression/ bipolar disorder Arthritis Migraine Headaches Asthama, Bronchitis, Emphysema Diabetes Sinusitis or Allergic Rhinitis Heart Disease Back or spinal problems (Hay Fever) Any other serious problem for which you are receiving medical attention Epilepsy List the medications taken Regularly. NO 3. List allergies to any known medications or chemicals NO Occasional No Yes 4. Alcohol: Quit(more than 3 years) No 5. Smoking: Yes Respiratory Function : a. Do you become unusually short of breath while walking fast or taking stair - case? b. Do you usually cough a lot first thing in morning? Yes c. Have you vomited or coughed out blood? 7. Cardiovascular Function & Physical Activity: a. Exercise Type: (Select 1) No Activity Very Light Activity (Seated At Desk, Standing) Light Activity (Walking on level surface, house cleaning) Moderate Activity (Brisk walking, dancing, weeding) Vigrous Activity (Soccer, Running) b. Exercise Frequency: Regular (less than 3 days/ week) / Irregular (more than 3 days/ Week) No c. Do you feel pain in chest when engaging in physical activity? Yes 8. Hearing: Yes a. Do you have history of hearing troubles? Yes No b. Do you experiences ringing in your ears? No Yes c. Do you experience discharge from your ears? No d. Have you ever been diagnosed with industrial deafness? Yes 9. Musculo - Skeletal History Have you ever injured or experienced pain? Yes a. Neck : If Yes : approximate date (MM/YYYY) b. Back : No Consulted a medical professional ? Yes c. Shoulder, Elbow, Writs, Hands Yes

Resulted in time of work?

Ongoing Problems ? - -

Surgery Required ?

No

No

Yes

Yes

d. Hips, Knees, Ankles, Legs

discomfort when lifting or	handling heavy objects?	Yes No
in when squatting or knee	eling?	Yes No
n when forwarding or twi	isting?	Yes No
difficulty when lifting object	cts above your shoulder height?	Yes No
	following for prolonged periods	s (Please circle
The constant of the	Yes No Squati	ng: Yes No
•Sitting :	Yes No	
Bending:	Yes No	
en working with hand too	ds?	Yes No
		Yes No
		Yes No
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b. Weight 70	Blood Pressure	357 92 mmhg
	b. Expanded	
a. Ivotiliai		normal al
-	=	Normal
wormal	Respiratory System	Normal
rosmal	Nervous System	Normal
Normal	Genito- urinary System	Normal
	Colour Vision	Normal
OGICAL TESTS:		,
vormal	ECG	Normal
	Urine routine	Normal
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10:4	Blood sugar	
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B'POSitie	S.Creatinine	F. 98 9.4-135
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Dr.S. MANIKANDAN, Medical Compart Dr.S. MANIKANDAN, Medical Compart Dep.No: 61785, Consultant Cardiologic Medall Diagnostics Tirunelveli 

 Name
 : Mrs. SIVA SANKARI P
 Register On
 : 10/02/2024 10:41 AM

 PID No.
 : MED122452897
 Collection On
 : 10/02/2024 10:52 AM

 SID No.
 : 624003654
 Report On
 : 13/02/2024 7:09 PM

 Age / Sex
 : 40 Year(s) / Female
 Printed On
 : 14/02/2024 8:54 AM

Ref. Dr : MediWheel Type : OP

<u>Investigation</u>	Observed Value	<u>Unit</u>	Biological Reference Interval
<b>IMMUNOHAEMATOLOGY</b>			
<b>BLOOD GROUPING AND Rh TYPING</b> (Blood /Agglutination)	'B' 'Positive'		
<b>HAEMATOLOGY</b>			
Complete Blood Count With - ESR			
Haemoglobin (Blood/Spectrophotometry)	10.4	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (Blood/Derived from Impedance)	35.7	%	37 - 47
RBC Count (Blood/Impedance Variation)	3.91	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (Blood/ Derived from Impedance)	91	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (Blood/Derived from Impedance)	26.6	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (Blood/Derived from Impedance)	29.2	g/dL	32 - 36
RDW-CV(Derived from Impedance)	14.3	%	11.5 - 16.0
RDW-SD(Derived from Impedance)	45.55	fL	39 - 46
Total Leukocyte Count (TC) (Blood/ Impedance Variation)	9100	cells/cu.mm	4000 - 11000
<b>Neutrophils</b> (Blood/Impedance Variation & Flow Cytometry)	63.4	%	40 - 75
<b>Lymphocytes</b> (Blood/Impedance Variation & Flow Cytometry)	28.3	%	20 - 45
<b>Eosinophils</b> (Blood/Impedance Variation & Flow Cytometry)	2.4	%	01 - 06
<b>Monocytes</b> (Blood/Impedance Variation & Flow Cytometry)	5.6	%	01 - 10
<b>Basophils</b> (Blood/Impedance Variation & Flow Cytometry)	0.3	%	00 - 02
<b>INTERPRETATION:</b> Tests done on Automated microscopically.	I Five Part cell counter. A	ıll abnormal resı	ults are reviewed and confirmed
Absolute Neutrophil count (Blood/ Impedance Variation & Flow Cytometry)	5.77	10^3 / μΙ	1.5 - 6.6
Absolute Lymphocyte Count (Blood/ Impedance Variation & Flow Cytometry)	2.58	10^3 / μΙ	1.5 - 3.5
Absolute Eosinophil Count (AEC) (Blood/ Impedance Variation & Flow Cytometry)	0.22	10^3 / μΙ	0.04 - 0.44
Absolute Monocyte Count (Blood/ Impedance Variation & Flow Cytometry)	0.51	10^3 / μΙ	< 1.0





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<u>Investigation</u>	Observed Value	<u>Unit</u>	<b>Biological Reference Interval</b>
<b>Absolute Basophil count</b> (Blood/Impedance Variation & Flow Cytometry)	0.03	10^3 / μΙ	< 0.2
Platelet Count (Blood/Impedance Variation)	320	10^3 / μΙ	150 - 450
MPV (Blood/Derived from Impedance)	7.9	fL	8.0 - 13.3
PCT(Automated Blood cell Counter)	0.25	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Blood/Automated ESR analyser)	38	mm/hr	< 20
<b>BIOCHEMISTRY</b>			
BUN / Creatinine Ratio	10.3		
<b>Glucose Fasting (FBS)</b> (Plasma - F/GOD-PAP)	98.3	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/	135.2	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 Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
<b>Blood Urea Nitrogen (BUN)</b> (Serum/Urease UV / derived)	10.5	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	1.02	mg/dL	0.6 - 1.1
Uric Acid (Serum/Enzymatic)	5.4	mg/dL	2.6 - 6.0
Glycosylated Haemoglobin (HbA1c)			
HbA1C (Whole Blood/HPLC)	6.0	%	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 (Whole Blood) 125.5 mg/dL





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Investigation **Observed Value** Unit **Biological Reference Interval** 

#### **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.

#### **Liver Function Test**

SID No.

Bilirubin(Total) (Serum)	0.50	mg/dL	0.1 - 1.2
<b>Bilirubin(Direct)</b> (Serum/Diazotized Sulfanilic Acid)	0.21	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.29	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	19.2	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum)	18.0	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	12.1	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/ Modified IFCC)	64.3	U/L	42 - 98
Total Protein (Serum/Biuret)	7.52	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.25	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	3.27	gm/dL	2.3 - 3.6
A: GRATIO (Serum/Derived)	1.30		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	144.9	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	85.4	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) Optimal(Negative Risk Factor): >= 60 mg/dL

Borderline: 50 - 59 High Risk: < 50





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Investigation **Observed Value** Unit **Biological Reference Interval** LDL Cholesterol (Serum/Calculated) 83.7 mg/dL Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190 VLDL Cholesterol (Serum/Calculated) < 30 17.1 mg/dL Non HDL Cholesterol (Serum/Calculated) 100.8 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.

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Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	3.3	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)	1.9	Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/ Calculated)	1.9	Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0

### **IMMUNOASSAY**

### THYROID PROFILE / TFT

**T3 (Triiodothyronine) - Total** (Serum/ 0.90 ng/ml 0.7 - 2.04 Chemiluminescent Immunometric Assay

(CLIA))

### 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** (Serum/ 9.74 μg/dl 4.2 - 12.0 Chemiluminescent Immunometric Assay

(CLIA))

## 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.





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

**TSH (Thyroid Stimulating Hormone)** (Serum 2.92 μIU/mL 0.35 - 5.50

/Chemiluminescent Immunometric Assay

(CLIA))

### 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.

## **CLINICAL PATHOLOGY**

## Urine Analysis - Routine

Colour (Urine) Appearance (Urine)	Pale Yellow Clear		Yellow to Amber Clear
Protein (Urine)	Negative		Negative
Glucose (Urine)	Negative		Negative
Pus Cells (Urine)	1-2	/hpf	NIL
Epithelial Cells (Urine)	3-4	/hpf	NIL
RBCs (Urine)	Nil	/hpf	NIL

-- End of Report --





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# PAP Smear by LBC( Liquid based Cytology )

PAP Smear by LBC( Liquid based Cytology )

**SPECIMEN NO:** Cy 347/2024

MICROSCOPIC FINDINGS:

ADEQUACY: Satisfactory.

PREDOMINANT CELLS: Superficial cells.

BACKGROUND : Clean.

ORGANISMS: No specific organisms.

IMPRESSION:

Negative for intraepithelial lesion/ malignancy.





Name	MRS.SIVA SANKARI P	ID	MED122452897
Age & Gender	40Y/FEMALE	Visit Date	10 Feb 2024
Ref Doctor Name	MediWheel		

## Thanks for your reference

## ECHOCARDIOGRAM WITH COLOUR DOPPLER:

LVID d ... 4.0cm LVID s ... 2.3cm EF ... 74% ... 0.7 cm IVS d ... 0.7cm IVS s LVPW d ... 0.8cm LVPW s ... 1.0cm ... 2.6cm LA AO ... 3.1cm TAPSE ... 18mm

Left ventricle, Left atrium normal.

Right ventricle, Right atrium normal.

No regional wall motion abnormality present.

Mitral valve, Aortic valve, Tricuspid valve & Pulmonary valve normal.

Aorta normal.

Inter atrial septum intact.

Inter ventricular septum intact.

No pericardial effusion.

## **Doppler:**

Mitral valve : E: 0.76m/s A: 0.51m/s

E/A Ratio: 1.49 E/E: 9.35

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Aortic valve: AV Jet velocity: 1.51 m/s

Tricuspid valve: TV Jet velocity: 1.22 m/s TRPG:

5.95mmHg.

Pulmonary valve: PV Jet velocity: 1.23 m/s

# **IMPRESSION:**

1. Normal chambers Valves.

2. No regional wall motion abnormality present.

3. Normal LV systolic function.

4. Pericardial effusion - Nil.

5. No pulmonary artery hypertension.

Dr. S.MANIKANDANMD.DM.(Cardio)
Cardiologist

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# Thanks for your reference SONOGRAM REPORT WHOLE ABDOMEN

Poor penetration of USG due to thick abdominal wall

Liver: The liver is normal in sizeParenchymal echoes are increased in

intensity. No focal lesions. Surface is smoothnere is no intra or

extra

hepatic biliary ductal dilatation.

Gallbladder The gall bladder is partially distended with no demonstrable calculus.

Wall thickness appears normal. (post prandial status)

Pancreas The pancreas shows a normal configuration and echotexture.

The pancreatic duct is normal.

Spleen The spleen is normal.

Kidneys The right kidney measures 9.6 x 4.3 cm. Normal architecture.

The collecting system is not dilated.

The left kidney measures 9.3 x 3.9 cm. Normal architecture.

The collecting system is not dilated.

Urinary

bladder. The urinary bladder is smooth walled and uniformly transonic.

There is no intravesical mass or calculus.

Uterus: and

The uterus pulled upto the anterior abdominal wall (H/o. caesarean),

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measures 8.1 x 3.3 cm.

Myometrial echoes appear homogeneous.

The endometrium is c entral and normal measures 6.5 m m in

thickness.

Ovaries The right ovary measures 2.4 x 2.1 cm.

The left ovary measures 2.6 x 2.0 cm.

A follicle measuring about 1.8 x 1.4 cm noted in left ovary.

No significant mass or cyst is seen in the ovaries.

Parametria are free.

RIF. Iliac fossae are normal.

No mass or fluid collection is seen in the right iliac fossa.

The appendix is not visualized.

There is no free or loculated peritoneal fluid. No para aortic lymphadenopathy is seen.

# **IMPRESSION**

Grade I fatty liver.

DR.T.ANNIE STALIN MBBS.,F.USG., SONOLOGIST.

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Ref Doctor Name	MediWheel	-	

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Age & Gender	40Y/F	Visit Date	Feb 10 2024 10:41AM
Ref Doctor	MediWheel	-	

# Thanks for your reference

## **DIGITAL X- RAY CHEST PA VIEW**

### Scattered artefact noted.

Trachea appears normal.

Cardiothoracic ratio is within normal limits.

Costo and cardiophrenic angles appear normal.

Bilateral lung fields appear normal.

Visualised bony structures appear normal.

Extra thoracic soft tissues shadow grossly appears normal.

# **IMPRESSION:**

i. NO SIGNIFICANT ABNORMALITY DEMONSTRATED.

Dr.A.Suja Rajan DMRD., DNE Consultant Radiologist