Name	: Ms. SUVARNA CHANDRA	
PID No.	: MED121690742	Register On : 22/02/2023 9:21 AM
SID No.	: 522302750	Collection On : 22/02/2023 9:41 AM
Age / Sex	: 37 Year(s) / Female	Report On : 22/02/2023 5:32 PM
Туре	: OP	Printed On : 23/02/2023 10:22 AM
Ref. Dr	: MediWheel	

Investigation HAEMATOLOGY	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<u>Complete Blood Count With - ESR</u>			
Haemoglobin (EDTA Blood'Spectrophotometry)	12.4	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	36.7	%	37 - 47
RBC Count (EDTA Blood)	4.32	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	84.9	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	28.6	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	33.7	g/dL	32 - 36
RDW-CV	13.4	%	11.5 - 16.0
RDW-SD	39.82	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	5900	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	53.1	%	40 - 75
Lymphocytes (Blood)	38.4	%	20 - 45
Eosinophils (Blood)	0.7	%	01 - 06
Monocytes (Blood)	7.0	%	01 - 10



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Basophils (Blood)	0.8	%	00 - 02
INTERPRETATION: Tests done on Automated Five P	art cell counter. All	abnormal results are	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.13	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.27	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.04	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.41	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood)	0.05	10^3 / µl	< 0.2
Platelet Count (EDTA Blood)	330	10^3 / µl	150 - 450
MPV (Blood)	7.0	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.23	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	23	mm/hr	< 20

Dr Anusha.K.S Sr.Consultant Pathologist Reg No : 100674 APPROVED BY

The results pertain to sample tested.

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Investigation BIOCHEMISTRY	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.19	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.10	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.09	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/ <i>Modified IFCC</i>)	14.68	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/ <i>Modified IFCC</i>)	12.56	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	6.53	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	74.8	U/L	42 - 98
Total Protein (Serum/Biuret)	7.11	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.08	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	3.03	gm/dL	2.3 - 3.6
A : G RATIO	1.35		1.1 - 2.2

(Serum/Derived)



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	251.15	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/ <i>GPO-PAP with ATCS</i>)	180.89	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)	33.92	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/ <i>Calculated</i>)	181	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	36.2	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i>)	217.2	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> 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)	7.4		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>)	5.3		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	5.3		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0



APPROVED BY

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Investigation Glycosylated Haemoglobin (HbA1c)	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
HbA1C (Whole Blood/ <i>HPLC</i>)	5.5	%	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 111.15	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 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.



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
IMMUNOASSAY			
THYROID PROFILE / TFT			
T3 (Triiodothyronine) - Total (Serum/ECLIA)	1.02	ng/ml	0.7 - 2.04
INTERPRETATION: Comment : Total T3 variation can be seen in other condition like preg Metabolically active.	gnancy, drugs, nepl	nrosis etc. In such cas	es, Free T3 is recommended as it is
T4 (Tyroxine) - Total (Serum/ <i>ECLIA</i>)	7.22	µg/dl	4.2 - 12.0
INTERPRETATION: Comment : Total T4 variation can be seen in other condition like pres Metabolically active.	gnancy, drugs, nepl	nrosis etc. In such cas	es, Free T4 is recommended as it is
TSH (Thyroid Stimulating Hormone) (Serum/ECLIA)	2.50	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 Iodi	ine intake, TPO sta	tus, Serum HCG cond	centration, race, Ethnicity and BMI.
2.TSH Levels are subject to circadian variation, reaching of the order of 50%, hence time of the day has influence of 3. Values& amplt 0.03 uIU/mL need to be clinically correl	on the measured ser	um TSH concentratio	ons.

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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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
CLINICAL PATHOLOGY			
<u>PHYSICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
Colour (Urine)	Pale yellow		Yellow to Amber
Appearance (Urine)	Clear		Clear
Volume(CLU) (Urine)	20		
<u>CHEMICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
pH (Urine)	7.0		4.5 - 8.0
Specific Gravity (Urine)	1.002		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



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Glucose (Urine/GOD - POD)	Negative		Negative
Leukocytes(CP) (Urine) <u>MICROSCOPIC EXAMINATION</u> (URINE COMPLETE)	Positive(+)		
Pus Cells (Urine)	2-5	/hpf	NIL
Epithelial Cells (Urine)	2-5	/hpf	NIL
RBCs (Urine)	NIL	/hpf	NIL
Others	Bacteria present		

(Urine)

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



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Investigation

<u>Observed</u> <u>Value</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.



<u>Unit</u>

The results pertain to sample tested.

Ref. Dr	: MediWheel	
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Name	: Ms. SUVARNA CHANDRA	

Investigation BIOCHEMISTRY	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
BUN / Creatinine Ratio	5.7		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	85.51	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)	66.21	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 UV / derived)	5.7	mg/dL	7.0 - 21
Creatinine	0.55	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	3.44	mg/dL	2.6 - 6.0
(Serum/Enzymatic)			



-- End of Report --

Name	MS.SUVARNA CHANDRA	ID	MED121690742
Age & Gender	37Y/FEMALE	Visit Date	22 Feb 2023
Ref Doctor Name	MediWheel		

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (12.7 cm) and has uniform echopattern. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER shows 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 and echopattern. No demonstrable Para-aortic lymphadenopathy.

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	10.9	1.6
Left Kidney	11.6	1.6

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

UTERUS is bulky and heterogeneous. It has uniform myometrial echopattern. Endometrial echo not well defined and measures 2.0 mm.

Uterus measures LS: 6.7 cms AP: 4.8 cms TS: 6.2 cms.

OVARIES are normal in size, shape and echotexture Right ovary measures 2.3 x 2.2 cm Left ovary measures 3.0 x 1.9 cm.

POD & adnexa are free. No evidence of ascites.

IMPRESSION:

- Mildly bulky and heterogeneous uterus -? Early adenomyotic changes.
- No other significant abnormality detected.

Name	MS.SUVARNA CHANDRA	ID	MED121690742
Age & Gender	37Y/FEMALE	Visit Date	22 Feb 2023
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DR. HEMANANDINI V.N CONSULTANT RADIOLOGISTS Hn/mj

Name	MS.SUVARNA CHANDRA	ID	MED121690742
Age & Gender	37Y/FEMALE	Visit Date	22 Feb 2023
Ref Doctor Name	MediWheel	-	

2D ECHOCARDIOGRAPHIC STUDY

<u>M-mode measurement:</u>

AORTA	:	2.24	cms.
LEFT ATRIUM	:	2.86	cms.
AVS LEFT VENTRICLE	:	1.47	cms.
(DIASTOLE)	:	3.86	cms.
(SYSTOLE)	:	2.65	cms.
VENTRICULAR SEPTUM (DIASTOLE) (SYSTOLE)	: : :	0.85 1.20	cms. cms.
POSTERIOR WALL (DIASTOLE) (SYSTOLE)	: : :	1.12 1.00	cms. cms.
EDV	:	64	ml.
ESV	:	26	ml.
FRACTIONAL SHORTENING	:	31	%
EJECTION FRACTION	:	60	%
EPSS RVID	:	 1.80	cms. 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	3 m/s	NO TR.
PULMONARY VALVE:	0.8 m/s		NO PR.

Name	MS.SUVARNA CHANDRA	ID	MED121690742
Age & Gender	37Y/FEMALE	Visit Date	22 Feb 2023
Ref Doctor Name	MediWheel	-	

2D ECHOCARDIOGRAPHY FINDINGS:

Left Ventricle	:	Normal size, Normal systolic function.
: No regional wall moti	on abno	ormalities.
Left Atrium	:	Normal.
Right Ventricle :	Norma	ıl.
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.SUVARNA CHANDRA	ID	MED121690742
Age & Gender	37Y/FEMALE	Visit Date	22 Feb 2023
Ref Doctor Name	MediWheel		

Name	SUVARNA CHANDRA	Customer ID	MED121690742
Age & Gender	37Y/F	Visit Date	Feb 22 2023 9:15AM
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.

G. Kam

DR.G KAMESH CONSULTANT RADIOLOGIST

*Patient Name	Suvarna chai	Date nd z g	2212123
Age	37485	Visit Number	522302750
Sex	Fenale	Corporate	Medi wheel

GENERAL PHYSICAL EXAMINATION

Scan Af cheek Identification Mark : Height : 158 cms Weight: 71.6 kgs Pulse : 76/minute Blood Pressure : (00(59) mm of Hg 28.7 BMI : **BMI INTERPRETATION** Underweight = <18.5 Normal weight = 18.5-24.9 Overweight = 25-29.9Chest : Expiration : 93cms Inspiration : 97 cms Abdomen Measurement : 92 cms Ears: Norma Eyes: Wond Neck nodes : Not Palpable Throat : Norma NUBS SISZT RS: CVS : NAP PA : CNS: NAD

No abnormality is detected. His / Her general physical examination is within normal limits. NOTE : MEDICAL FIT FOR EMPLOYMENT YES / NO

IC. R.S. Sharkap Signature

Dr. SHANKAR K.R.S Bsc. MB68., KMC No: 15130

