Name	: Mrs. DWIVEDI CHITRA	
PID No.	: MED111034685	Register On : 26/03/2022 10:02 AM
SID No.	: 2322208177	Collection On : 26/03/2022 10:09 AM
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Туре	: OP	Printed On : 28/03/2022 8:11 PM
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)	13.5	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Derived from Impedance)	41.1	%	37 - 47
RBC Count (EDTA Blood/Impedance Variation)	4.71	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood/Derived from Impedance)	87.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Derived from Impedance)	28.6	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood/Derived from Impedance)	32.7	g/dL	32 - 36
RDW-CV (Derived from Impedance)	13.9	%	11.5 - 16.0
RDW-SD (Derived from Impedance)	42.33	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood <i>Impedance Variation</i>)	9800	cells/cu.mm	4000 - 11000
Neutrophils (Blood/Impedance Variation & Flow Cytometry)	52.0	%	40 - 75
Lymphocytes (Blood/Impedance Variation & Flow Cytometry)	32.1	%	20 - 45
Eosinophils (Blood/Impedance Variation & Flow Cytometry)	8.8	%	01 - 06





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Monocytes (Blood/Impedance Variation & Flow Cytometry)	6.3	%	01 - 10
Basophils (Blood/Impedance Variation & Flow Cytometry)	0.8	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	5.10	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	3.15	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.86	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.62	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.08	10^3 / µl	< 0.2
Platelet Count (EDTA Blood/Impedance Variation)	298	10^3 / µl	150 - 450
MPV (Blood/Derived from Impedance)	9.3	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.28	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood/ <i>Modified Westergren</i>)	8	mm/hr	< 20





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
BIOCHEMISTRY			
Liver Function Test			
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.7	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.2	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.5	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	7.6	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.4	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	3.2	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.4		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	18	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	16	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/IFCC Kinetic)	117	U/L	42 - 98
GGT(Gamma Glutamyl Transpeptidase) (Serum/SZASZ standarised IFCC)	29	U/L	< 38





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Lipid Profile			
Cholesterol Total (Serum/Cholesterol oxidase/Peroxidase)	164	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	101	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)	38	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/ <i>Calculated</i>)	105.8	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	20.2	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i>)	126.0	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>	Biological Reference Interval
INTERPRETATION: 1.Non-HDL Cholesterol is now 1 2.It is the sum of all potentially atherogenic proteins incl co-primary target for cholesterol lowering therapy.			
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	4.3		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/ <i>Calculated</i>)	2.7]	Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.8		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0



DR SHAMIM JAVED MD PATHOLOGY KMC 88902

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Investigation	<u>Observed</u> Value	<u>Unit</u>	<u>Biological</u> Reference Interval
<u>Glycosylated Haemoglobin (HbA1c)</u>			
HbA1C (Whole Blood/ <i>HPLC</i>)	5.7	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5
INTEDDDETATION, If Diskates Cood control (61	7.0.0/ Eair control	.71 800/ Door	$a = \frac{1}{2} $

INTERPRETATION: If Diabetes - Good control : 6.1 - 7.0 %, Fair control : 7.1 - 8.0 %, Poor control >= 8.1 %

Estimated Average Glucose	116.89	mg/dL
---------------------------	--------	-------

(Whole Blood)

INTERPRETATION: Comments

HbA1c provides an index of Average Blood Glucose levels over the past8 - 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/ <i>CMIA</i>) INTERPRETATION:	1.60	ng/mL	0.7 - 2.04	
Comment : Total T3 variation can be seen in other condition like preg Metabolically active.	gnancy, drugs, nepł	nrosis etc. In such case	s, Free T3 is recommended as it is	
T4 (Thyroxine) - Total	11.24	µg/dL	4.2 - 12.0	
(Serum/ <i>CMIA</i>) 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) (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	3.07	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 uUI/mL, need to be clinically correlated due to presence of rare TSH variant in some individuals.				

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 CLINICAL PATHOLOGY	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
PHYSICAL EXAMINATION			
Colour (Urine)	Pale Yellow		
Appearance (Urine)	Clear		Clear
Volume (Urine)	20	mL	
<u>CHEMICAL EXAMINATION(Automated- Urineanalyser)</u>			
pH (Urine/AUTOMATED URINANALYSER)	6.0		4.5 - 8.0
Specific Gravity (Urine)	1.020		1.002 - 1.035
Ketones (Urine)	Negative		Negative
Urobilinogen (Urine/AUTOMATED URINANALYSER)	0.2		0.2 - 1.0
Blood (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Nitrite (Urine/AUTOMATED URINANALYSER)	Negative		Negative
Bilirubin (Urine/AUTOMATED URINANALYSER)	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)	Negative		Negative
Leukocytes (Urine) <u>MICROSCOPY(URINE DEPOSITS)</u>	Negative	leuco/uL	Negative
Pus Cells (Urine/ <i>Flow cytometry</i>)	2-3	/hpf	3-5
Epithelial Cells (Urine)	2-3	/hpf	1-2
RBCs (Urine/Flow cytometry)	Nil	/hpf	NIL
Others (Urine)	Nil		Nil





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Investigation

<u>Observed</u> <u>Value</u> <u>Unit</u>

Biological Reference Interval

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING (EDTA Blood/Agglutination)

'O' 'Positive'



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> Reference Interval
BIOCHEMISTRY			
BUN / Creatinine Ratio	13.3		6 - 22
Glucose Fasting (FBS) (Plasma - F/GOD - POD)	76	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	Negative		Negative
(Urine - F)			
Glucose Postprandial (PPBS)	99	mg/dL	70 - 140
(Plasma - PP/GOD - POD)			

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.

Glucose Postprandial - Urine (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease-GLDH)	8	mg/dL	7.0 - 21
Creatinine	0.6	mg/dL	0.6 - 1.1

(Serum/Jaffe Kinetic)

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	4.2	mg/dL	2.6 - 6.0
(Serum/Uricase/Peroxidase)			

A.



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-- End of Report --

Name	MRS.DWIVEDI CHITRA	ID	MED111034685
Age & Gender	32Y/FEMALE	Visit Date	26 Mar 2022
Ref Doctor Name	MediWheel	-	

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER shows normal in shape, size (12.9 cm) **and shows diffuse increase in echogenicity, suggestive of fatty changes.** No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein in radicals are normal.

GALL BLADDER shows normal shape and has clear contents. 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 shows normal shape, size and echopattern.

KIDNEYS move well with respiration and have normal shape, size and echopattern. Cortico- medullary differentiations are well madeout.

Left kidney shows a tiny calculus, measuring 3 mm in the interpolar region. Mild prominence of right pelvicalyceal system noted.

The kidney measures as follows:

·	Bipolar length (cm)	Breadth (cm)
Right Kidney	10.3	3.0
Left Kidney	9.2	3.7

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

UTERUS is anteverted and normal in size. It has uniform myometrial echopattern. **Uterus measures 6.1 x 2.6 x 4.4 cms. Endometrial thickness measures 6.6 mm**

OVARIES are normal in size, shape and echotexture. No focal lesion seen. **Right ovary**: 2.4 x 2.6 cm **Left ovary**: 2.9 x 3.3 cm

POD & adnexae are free.

No evidence of ascites/pleural effusion.

IMPRESSION:

- **Grade I fatty liver.**
- > Left non-obstructive renal calculus.
- > Mild prominence of right pelvicalyceal system.

Name	MRS.DWIVEDI CHITRA	ID	MED111034685
Age & Gender	32Y/FEMALE	Visit Date	26 Mar 2022
Ref Doctor Name	MediWheel	-	

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CONSULTANT RADIOLOGISTS:DR.H.K.ANANDDR.L.MADAN MOHAN BABU

Dr. TEJAS, MS ST/pr

Name	MRS.DWIVEDI CHITRA	ID	MED111034685
Age & Gender	32Y/FEMALE	Visit Date	26 Mar 2022
Ref Doctor Name	MediWheel		

2 D ECHOCARDIOGRAPHIC STUDY

M mode measurement:

AORTA			: 2.4cms
LEFT ATRIUM			: 2.7cms
AVS			:
LEFT VENTRICLE	(DIASTOLE))	: 4.6cms
(SYS	TOLE)	: 3.1cm	ns
VENTRICULAR SEPTUM	(DIASTOLE)		: 0.9cms
(SYS	TOLE)	: 1.4cm	ns
POSTERIOR WALL	(DIASTOLE)		: 0.9cms
(SYS)	fole)	: 1.2cm	ns
EDV			: 95ml
ESV			: 38ml
FRACTIONAL SHORTENI	NG		: 32%
EJECTION FRACTION			: 60%
EPSS			:
RVID			: 1.9cms

DOPPLER MEASUREMENTS:

MITRAL VALVE	: E' 0.75m/s	A' 0.34 m/s	NO MR
AORTIC VALVE	: 1.16 m/s		NO AR
TRICUSPID VALVE	: E' 2.05 m/s	A' - m/s	NO TR
PULMONARY VALVE	: 0.89 m/s		NO PR

Name	MRS.DWIVEDI CHITRA	ID	MED111034685
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2D ECHOCARDIOGRAPHY FINDINGS:

Left ventricle No regional wall motion abn	: Normal size, Normal systolic function. ormalities.
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 LV SYSTOLIC FUNCTION. EF: 60%.
- > NO REGIONAL WALL MOTION ABNORMALITIES.
- > NORMAL VALVES.
- > NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

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

Note:

> NORMAL SIZED CARDIAC CHAMBERS.

Name	MRS.DWIVEDI CHITRA	ID	MED111034685
Age & Gender	32Y/FEMALE	Visit Date	26 Mar 2022
Ref Doctor Name	MediWheel		

* 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	DWIVEDI CHITRA	Customer ID	MED111034685
Age & Gender	32Y/F	Visit Date	Mar 26 2022 10:02AM
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. POOJA B.P DR. SHWETHA S CONSULTANT RADIOLOGISTS

DR. MUDUNURI SAITEJAS