Name	: Mrs. ANURADHA GUPTA	
PID No.	: MED111087711	Register On : 14/05/2022 10:14 AM
SID No.	: 2322212202	Collection On : 14/05/2022 10:21 AM
Age / Sex	: 34 Year(s) / Female	Report On : 14/05/2022 6:30 PM
Туре	: OP	Printed On : 25/05/2022 7:42 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)	12.6	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	39.2	%	37 - 47
RBC Count (EDTA Blood)	4.37	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	89.6	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	28.8	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	32.2	g/dL	32 - 36
RDW-CV	14.2	%	11.5 - 16.0
RDW-SD	44.53	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	7600	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	64.8	%	40 - 75
Lymphocytes (Blood)	24.8	%	20 - 45
Eosinophils (Blood)	2.9	%	01 - 06



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Monocytes (Blood)	6.8	%	01 - 10
Basophils (Blood)	0.7	%	00 - 02
INTERPRETATION: Tests done on Automated Five F	Part cell counter. All	abnormal results are	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	4.92	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	1.88	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.22	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.52	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood)	0.05	10^3 / µl	< 0.2
Platelet Count (EDTA Blood)	213	10^3 / µl	150 - 450
MPV (Blood)	12.5	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.27	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	8	mm/hr	< 20



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Investigation <u>BIOCHEMISTRY</u>	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.39	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.15	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.24	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/ <i>Modified IFCC</i> )	21.62	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/ <i>Modified IFCC</i> )	21.39	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	25.73	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/ <i>Modified IFCC</i> )	79.2	U/L	42 - 98
Total Protein (Serum/Biuret)	7.33	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.84	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.49	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.94		1.1 - 2.2



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Lipid Profile			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	138.44	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	124.12	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)	38.00	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/Calculated)	75.6	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	24.8	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i> )	100.4	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
<b>INTERPRETATION:</b> 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 (Serum/Calculated)	3.6		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> )	3.3		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/ <i>Calculated</i> )	2		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0



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DR SHAMIM JAVED MD PATHOLOGY KMC 88902

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Ref. Dr	: MediWheel	

Investigation Glycosylated Haemoglobin (HbA1c)	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
HbA1C (Whole Blood/ <i>HPLC</i> )	5.2	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5
<b>INTERPRETATION:</b> If Diabetes - Good control : 6.1	- 7.0 % , Fair control	: 7.1 - 8.0 % , Poor	control >= 8.1 %

Estimated Average Glucose	102.54	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> Value	<u>Unit</u>	Biological Reference Interval
<b>IMMUNOASSAY</b>			
THYROID PROFILE / TFT			
T3 (Triiodothyronine) - Total (Serum/ <i>ECLIA</i> )	0.930	ng/ml	0.7 - 2.04
<b>INTERPRETATION:</b> <b>Comment :</b> Total T3 variation can be seen in other condition like preg Metabolically active.	gnancy, drugs, neph	rosis etc. In such ca	uses, Free T3 is recommended as it is
T4 (Tyroxine) - Total (Serum/ECLIA)	11.29	µg/dl	4.2 - 12.0
<b>INTERPRETATION:</b> <b>Comment :</b> Total T4 variation can be seen in other condition like preg Metabolically active.	gnancy, drugs, neph	rosis etc. In such ca	ses, Free T4 is recommended as it is
TSH (Thyroid Stimulating Hormone) (Serum/ECLIA)	1.59	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			
2.TSH Levels are subject to circadian variation, reaching of the order of 50%, hence time of the day has influence of	n the measured serv	um TSH concentrati	ions.

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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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<b>CLINICAL PATHOLOGY</b>			
<u>PHYSICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
Colour (Urine)	Yellow		Yellow to Amber
Appearance (Urine)	Clear		Clear
Volume(CLU) (Urine)	15		
<u>CHEMICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>			
pH (Urine)	5.0		4.5 - 8.0
Specific Gravity (Urine)	1.025		1.002 - 1.035
Ketone (Urine)	Negative		Negative
Urobilinogen (Urine)	Normal		Normal
Blood (Urine)	+		Negative
Nitrite (Urine)	Negative		Negative
Bilirubin (Urine)	Negative		Negative
Protein (Urine)	Negative		Negative



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The results pertain to sample tested.

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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)	Negative		
<u>MICROSCOPIC EXAMINATION</u> (URINE COMPLETE)			
Pus Cells (Urine)	4-6	/hpf	NIL
Epithelial Cells (Urine)	2-3	/hpf	NIL
RBCs (Urine)	15-20	/hpf	NIL
Others (Urine)	Nil		

**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>PHYSICAL EXAMINATION(STOOL</u> <u>COMPLETE)</u>	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Mucus (Stool)	Absent		Absent
Consistency (Stool)	Solid		Semi Solid to Solid
Colour (Stool)	Brownish		Brown
Blood (Stool)	Absent		Absent
<u>MICROSCOPIC EXAMINATION(STOOL</u> <u>COMPLETE)</u>			
Ova (Stool)	Nil		NIL
Cysts (Stool)	Nil		NIL
Trophozoites (Stool)	Nil		NIL
RBCs (Stool)	Nil	/hpf	Nil
Pus Cells (Stool)	1-2	/hpf	NIL
Others	Nil		

CHEMICAL EXAMINATION(STOOL

<u>ROUTINE)</u>

(Stool)



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## Investigation

Reaction (Stool) Reducing Substances (Stool/Benedict's) Observed Value Alkaline

<u>Unit</u>

Biological Reference Interval Alkaline

Negative

Negative

DR SHAMIM JAVED MD PATHOLOGY KMC 88902

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S MD Pathology

Reg No:KMC 89655

MBE

Name	: Mrs. ANURADHA GUPTA	
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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)

'B' 'Positive'





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<b>BIOCHEMISTRY</b>			
BUN / Creatinine Ratio	10		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	74.20	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/GOD - POD)		
Glucose Postprandial (PPBS)	80.87 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) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	9.8	mg/dL	7.0 - 21
Creatinine	0.74	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	4.93	mg/dL	2.6 - 6.0
(Serum/ <i>Enzymatic</i> )			



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-- End of Report --

Name	MRS.ANURADHA GUPTA	ID	MED111087711
Age & Gender	34Y/FEMALE	Visit Date	14 May 2022
Ref Doctor Name	MediWheel		

### ABDOMINO-PELVIC ULTRASONOGRAPHY

**LIVER** shows normal in shape, size and has uniform echopattern. 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. No evidence of calculus or hydronephrosis. **The kidney measures as follows:** 

•	<b>Bipolar length (cm)</b>	Parenchymal thickness (cm)
Right Kidney	10.6	1.0
Left Kidney	10.2	1.0

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

**UTERUS** is post C section bulky elongated, measures 7.5 x 4.2 x 3.4 cm. It has uniform myometrial echopattern.

Endometrial thickness measures 3.8 mm

**OVARIES** are normal in size, shape and echotexture. No focal lesion seen. **Right ovary**: 3.0 x 1.9 cm **Left ovary**: 2.8 x 2.3 cm

POD & adnexae are free.

No evidence of ascites/pleural effusion.

### **IMPRESSION**:

- > Post C section bulky elongated uterus.
- > Otherwise no significant abnormality detected.

Name	MRS.ANURADHA GUPTA	ID	MED111087711
Age & Gender	34Y/FEMALE	Visit Date	14 May 2022
Ref Doctor Name	MediWheel		

M3-2

DR.L.MADAN MOHAN BABU CONSULTANT RADIOLOGISTS: MMB/Pr

Name	MRS.ANURADHA GUPTA	ID	MED111087711
Age & Gender	34Y/FEMALE	Visit Date	14 May 2022
Ref Doctor Name	MediWheel		

# **2 D ECHOCARDIOGRAPHIC STUDY**

## **M** - mode and doppler measurements

mm	mm	m/sec	MS NIL	MR NIL
AO:18	LVID (d):46	MV: E vel: 0.8 A Vel :0.5	AS NIL	AR NIL
LA:22	LVID(s):22	AV : Peak:1.1	PS NIL	PR NIL
	IVS(d):10	PV : Peak:0.7	TS NIL	TR NIL
	IVS (s):14	TV : E Vel: 0.3 A Vel :0.4		
	LVPW (d):08			
	LVPW (s):11			
	LVEF: 60 %			

### **DESCRIPTIVE FINDINGS**

Left Ventricle	Normal
Right Ventricle	Normal
Left Atrium	Normal
Right Atrium	Normal
Mitral Valve	Normal
Aortic Valve	Normal
Tricuspid Valve	Normal
Pulmonic Valve	Normal
IAS	Intact
IVS	Intact
Pericardium	Normal
Other	Normal

IMPRESSION: NORMAL SIZED CARDIAC CHAMBERS NORMAL LV SYSTOLIC FUNCTION. EF:60 % NO REGIONAL WALL MOTION ABNORMALITY. NORMAL VALVES. NO CLOT / VEGETATION / EFFUSION.

Name	MRS.ANURADHA GUPTA	ID	MED111087711
Age & Gender	34Y/FEMALE	Visit Date	14 May 2022
Ref Doctor Name	MediWheel		

# Rajalakshmi. J.

Cardiacsonographer.

Name	ANURADHA GUPTA	Customer ID	MED111087711
Age & Gender	34Y/F	Visit Date	May 14 2022 10:14AM
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.

5\_8

DR.L.MADAN MOHAN BABU

DR. H.K. ANAND

DR. SHWETHA S DR. CHARUL CONSULTANT RADIOLOGISTS