Name	: Mrs. VADDE VIJAYALAKSH	IMI
PID No.	: MED120841281	Register On : 26/02/2022 9:49 AM
SID No.	: 522210060	Collection On : 26/02/2022 11:37 AM
Age / Sex	: 28 Year(s) / Female	Report On : 27/02/2022 1:04 PM
Туре	: OP	Printed On : 07/03/2022 4:13 PM
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HAEMATOLOGY			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood'Spectrophotometry)	14.3	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Derived from Impedance)	44.7	%	37 - 47
RBC Count (EDTA Blood/Impedance Variation)	4.69	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood/Derived from Impedance)	95.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Derived from Impedance)	30.4	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood'Derived from Impedance)	31.9	g/dL	32 - 36
RDW-CV (Derived from Impedance)	13.8	%	11.5 - 16.0
RDW-SD (Derived from Impedance)	45.88	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood/Impedance Variation)	15540	cells/cu.mm	4000 - 11000
Neutrophils (Blood/Impedance Variation & Flow Cytometry)	58.11	%	40 - 75
Lymphocytes (Blood/Impedance Variation & Flow Cytometry)	30.50	%	20 - 45
Eosinophils (Blood/Impedance Variation & Flow Cytometry)	3.05	%	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)	8.04	%	01 - 10
Basophils (Blood/Impedance Variation & Flow Cytometry)	0.30	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	9.03	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	4.74	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.47	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	1.25	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.05	10^3 / µl	< 0.2
Platelet Count (EDTA Blood/Impedance Variation)	318.0	10^3 / µl	150 - 450
MPV (Blood/Derived from Impedance)	8.07	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.26	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood/ <i>Modified Westergren</i>)	5	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)	0.4	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.2	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.2	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	6.7	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.3	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	2.4	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.8		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	18	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	15	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/IFCC Kinetic)	57	U/L	42 - 98
GGT(Gamma Glutamyl Transpeptidase) (Serum/SZASZ standarised IFCC)	24	U/L	< 38





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<u>Lipid Profile</u>			
Cholesterol Total (Serum/Cholesterol oxidase/Peroxidase)	178	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	80	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)	50	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/ <i>Calculated</i>)	112	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	16	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i>)	128.0	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 2.It is the sum of all potentially atherogenic proteins inc 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>)	1.6		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.2		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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	<u>bserved</u> <u>Value</u>	<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
INTERDETATION If Diabates Good control : 61 7.0 %	Eair control : 7	1 80% Poor control >=	8 1 04

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 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			
<u>THYROID PROFILE / TFT</u>			
T3 (Triiodothyronine) - Total (Serum/ <i>CMIA</i>) INTERPRETATION: Comment :	1.50	ng/mL	0.7 - 2.04
Total T3 variation can be seen in other condition like preg Metabolically active.	nancy, drugs, nepł	rrosis etc. In such case	es, Free T3 is recommended as it is
T4 (Thyroxine) - Total (Serum/ <i>CMIA</i>)	9.86	µg/dL	4.2 - 12.0
INTERPRETATION: Comment : Total T4 variation can be seen in other condition like preg Metabolically active.	nancy, drugs, nepł	nrosis etc. In such case	es, Free T4 is recommended as it is
TSH (Thyroid Stimulating Hormone) (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	4.74	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 3 Values frampt 0.03 uU/mL need to be elipically corrad	peak levels betwee n the measured ser	en 2-4am and at a mini um TSH concentration	mum between 6-10PM. The variation can be us.

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>	Unit	Biological Reference Interval
CLINICAL PATHOLOGY			
PHYSICAL EXAMINATION			
Colour (Urine)	Pale Yellow		
Appearance (Urine)	Clear		Clear
Volume (Urine)	20	mL	
<u>CHEMICAL EXAMINATION(Automated-</u> <u>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/Flow cytometry)	2-3	/hpf	3-5
Epithelial Cells (Urine)	1-2	/hpf	1-2
RBCs (Urine/Flow cytometry)	Nil	/hpf	2-3
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)

'B' 'Positive'

INTERPRETATION: Note: Slide method is screening method. Kindly confirm with Tube method for transfusion.



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Investigation BIOCHEMISTRY	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
BUN / Creatinine Ratio	15		6 - 22
Glucose Fasting (FBS) (Plasma - F/GOD - POD)	69	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/GOD - POD)	82	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-GLDH)	9	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 (Serum/Uricase/Peroxidase)	4.8	mg/dL	2.6 - 6.0
Dr.Arjun C.P MBBS.MD Pathology Reg NorKMC 89655		DR SHAMIM JAVED MD PATHOLOGY KMC-88902	
		APPROVED BY	

-- End of Report --

Name	MRS.VADDE VIJAYALAKSHMI	ID	MED120841281
Age & Gender	28Y/FEMALE	Visit Date	26 Feb 2022
Ref Doctor Name	MediWheel		

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (11.6cm) and has uniform echopattern. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER show 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 (7.2cm) and echopattern.

No demonstrable Para-aortic lymphadenopathy.

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 (cm)	Parenchymal thickness (cm)
Right Kidney	9.1	1.5
Left Kidney	10.2	1.8

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

UTERUS is anteverted and has normal shape and size. It has uniform myometrial echopattern. Endometrial echo is of normal thickness - 7.3mm. Uterus measures LS: 8.1 cm AP: 2.9 cm TS: 4.3 cm.

Left adnexa shows multiple cystic lesion measuring about measures $4.9 \ge 3.1 \ge 3.8$ cm (Volume: 31cc). One of the cyst shows haemorrhagic contents, it measures $3.8 \ge 3.0$ cm. Another cyst with turbid contents and fluid fluid level measures $3.1 \ge 2.3$ cm. Left ovary is not separately seen.

Right adnexa shows large multiloculated cystic lesion measuring about 6.5 x 6.6 x 6.0cm. There are thick septations measuring 3-4mm in thickness. Few of them showing haemorrhagic contents. Cd shows no obvious abnormal vascularity. Right ovary is not separately seen.

No evidence of ascites.

Contd...

Name	MRS.VADDE VIJAYALAKSHMI	ID	MED120841281
Age & Gender	28Y/FEMALE	Visit Date	26 Feb 2022
Ref Doctor Name	MediWheel		

-2-

IMPRESSION:

Bilateral adnexal multiloculated cystic lesions. Few of them showing haemorrhagic contents- could be endometriotic, *However suggested MRI for further evaluation and confirmation.*

DR. H.K. ANAND DR. C.R RAMACHANDRA DR. LOHITH H.P DR. VARSHA KALE CONSULTANT RADIOLOGISTS

Vk/sm

Name	MRS.VADDE VIJAYALAKSHMI	ID	MED120841281
Age & Gender	28Y/FEMALE	Visit Date	26 Feb 2022
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHIC STUDY

M-mode measurement:

AORTA	:	2.90	cms.
LEFT ATRIUM	:	3.01	cms.
AVS LEFT VENTRICLE	:	1.47	cms.
(DIASTOLE)	:	3.75	cms.
(SYSTOLE)	:	2.12	cms.
VENTRICULAR SEPTUM	:		
(DIASTOLE)	:	0.74	cms.
(SYSTOLE)	:	0.81	cms.
POSTERIOR WALL	:		
(DIASTOLE)	:	0.67	cms.
(SYSTOLE)	:	1.27	cms.
EDV	:	59	ml.
ESV	:	14	ml.
FRACTIONAL SHORTENING	:	30	%
EJECTION FRACTION	:	60	%
EPSS	:		cms.
RVID	:	1.80	cms.

DOPPLER MEASUREMENTS:

MITRAL VALVE:	E - 0.7 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 m/s	NO TR.
PULMONARY VALVE:	0.8 m/s		NO PR.

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2D ECHOCARDIOGRAPHY FINDINGS:

Left Ventricle:Normal size, Normal systolic function.:No regional wall motion abnormalities.

Left Atrium	:	Normal.
Right Ventricle :	Norma	al.
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

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