PID No.
 : MED121623991
 Register On
 : 25/01/2023 8:21 AM

 SID No.
 : 522301280
 Collection On
 : 25/01/2023 9:08 AM

 Age / Sex
 : 37 Year(s) / Female
 Report On
 : 25/01/2023 4:24 PM

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Ref. Dr : MediWheel

Investigation IIA FINATION OCN	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HAEMATOLOGY			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	12.3	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	36.1	%	37 - 47
RBC Count (EDTA Blood)	4.07	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	88.7	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	30.2	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	34.0	g/dL	32 - 36
RDW-CV	13.0	%	11.5 - 16.0
RDW-SD	40.36	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	8800	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	65.8	%	40 - 75
Lymphocytes (Blood)	27.2	%	20 - 45
Eosinophils (Blood)	1.6	%	01 - 06
Monocytes (Blood)	5.1	%	01 - 10



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Basophils	0.3	%	00 - 02
(Blood)			
INTERPRETATION: Tests done on Automated Five	Part cell counter. All	abnormal results are i	reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	5.79	10^3 / μΙ	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.39	10^3 / μΙ	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.14	10^3 / μΙ	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.45	10^3 / μΙ	< 1.0
Absolute Basophil count (EDTA Blood)	0.03	10^3 / μΙ	< 0.2
Platelet Count (EDTA Blood)	309	10^3 / μΙ	150 - 450
MPV (Blood)	8.8	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.27	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	2	mm/hr	< 20



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Investigation BIOCHEMISTRY	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.29	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.13	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.16	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	15.62	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	8.33	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	26.82	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/ <i>Modified IFCC</i>)	44.6	U/L	42 - 98
Total Protein (Serum/Biuret)	7.01	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.93	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.08	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	2.37		1.1 - 2.2



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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	151.90	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	86.13	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.

part of the day.			
HDL Cholesterol (Serum/Immunoinhibition)	45.62	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/Calculated)	89.1	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >=190
VLDL Cholesterol (Serum/Calculated)	17.2	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	106.3	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220



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

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.

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 1.9 Optimal: < 2.5

(TG/HDL) Mild to moderate risk: 2.5 - 5.0

(Serum/Calculated) High Risk: > 5.0

LDL/HDL Cholesterol Ratio 2 Optimal: 0.5 - 3.0

(Serum/Calculated)
Borderline: 3.1 - 6.0
High Risk: > 6.0

Dr.Arjun C.P MBBS,MD Pathology Reg No:KMC 89655

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Glycosylated Haemoglobin (HbA1c)			
HbA1C (Whole Blood/ <i>HPLC</i>)	5.9	%	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 122.63 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 HbAlC 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 HbAlc.



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: MediWheel

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Type : OP

Ref. Dr

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Investigation **Unit Biological** <u>Observed</u> Value

IMMUNOASSAY

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 1.17 ng/ml 0.7 - 2.04

(Serum/ECLIA)

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 7.50 μg/dl 4.2 - 12.0

(Serum/ECLIA)

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.

μIU/mL 0.35 - 5.50TSH (Thyroid Stimulating Hormone) 1.95

(Serum/ECLIA)

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.

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

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Reference Interval

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InvestigationObserved
ValueUnit
Perference IntervalBiological
Reference Interval

CLINICAL PATHOLOGY

PHYSICAL EXAMINATION (URINE COMPLETE)

Colour Pale yellow Yellow to Amber

(Urine)

Appearance Clear Clear

(Urine)

Volume(CLU) 25

(Urine)

CHEMICAL EXAMINATION (URINE

COMPLETE)

pH 5.5 4.5 - 8.0

(Urine)

Specific Gravity 1.003 1.002 - 1.035

(Urine)

Ketone Negative Negative

(Urine)

Urobilinogen Normal Normal

(Urine)

Blood Negative Negative

(Urine)

Nitrite Negative Negative

(Urine)

Bilirubin Negative Negative

(Urine)

Protein Negative Negative

(Urine)



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(Urine)

Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Glucose (Urine/GOD - POD)	Normal		Negative
Leukocytes(CP) (Urine) MICROSCOPIC EXAMINATION (URINE COMPLETE)	Negative		
Pus Cells (Urine)	0-1	/hpf	NIL
Epithelial Cells (Urine)	0-1	/hpf	NIL
RBCs (Urine)	NIL	/HPF	NIL
Others	NIL		

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

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

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BIOCHEMISTRY			
BUN / Creatinine Ratio	10.1		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	97.10	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)	85.52	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)	5.3	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.52	mg/dL	0.6 - 1.1

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 4.10 mg/dL 2.6 - 6.0

(Serum/Enzymatic)



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-- End of Report --

Name	MRS.B V ANITHA	ID	MED121623991
Age & Gender	37Y/FEMALE	Visit Date	25 Jan 2023
Ref Doctor Name	MediWheel		

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (13.4cms) 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 not dilated.

PANCREAS Head appears normal. Rest of the pancreas is obscured by bowel gas shadows. No evidence of ductal dilatation or calcification.

SPLEEN shows normal shape, size and echopattern.

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	9.9	1.5		
Left Kidney	11.1	1.7		

URINARY BLADDER shows 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 - 14mm.

Uterus measures LS: 11.3cms AP: 4.1cms TS: 5.6cms.

OVARIES are normal in size, shape and echotexture

Right ovary measures 2.5 x 1.5cms. Left ovary measures 2.6 x 1.8cms.

POD & adnexa are free.

No evidence of ascites.

IMPRESSION:

• No significant abnormality detected.

DR.KAMESH G

Name	MRS.B V ANITHA	ID	MED121623991
Age & Gender	37Y/FEMALE	Visit Date	25 Jan 2023
Ref Doctor Name	MediWheel		

CONSULTANT RADIOLOGIST Kg/an

Name	MRS.B V ANITHA	ID	MED121623991
Age & Gender	37Y/FEMALE	Visit Date	25 Jan 2023
Ref Doctor Name	MediWheel		

ECHO CARDIOGRAPHIC STUDY

		M-	Mod	le		
AORTA				27		mm
LEFT ARTIUM				28		mm
RIGHT VENTRICLE				23		mm
LEFT VENTRICLE (Diastol	e)			37		mm
LEFT VENTRICLE (Systole)			24		mm
VENTRICULAR SEPTUM ((Diastole)			08		mm
POSTERIOR WALL (Diasto	ole)			09		mm
END DIASTOLIC VOLUMI	Е			58		ml
END SYSTOLIC VOLUME				20	1	ml
STROKE VOLUME				38		ml
FRACTIONAL SHORTENING				35		%
EJECTION FRACTION				66		%
	DOP	PLER / (COL	OU	R FLOW	
MITRAL VALVE E- 0.9 A -0.6 m/s			m/s	se	NO MR	
c						
AORTIC VALVE 1.1 - m/s			se .	NO AR		
c						
TRICUSPID VALVE m/s			se	NO TR		
c						
PULMONARY VALVE 0.8 - m/s		se	NO PR			
c						

Name	MRS.B V ANITHA	ID	MED121623991
Age & Gender	37Y/FEMALE	Visit Date	25 Jan 2023
Ref Doctor Name	MediWheel		

FINDINGS

LEFT VENTRICLE	SIZE	NORMAL			
	THICKNESS	NORMAL			
LV FUNCTION	REGIONAL WALL MOTION ABNORMALITY	ABSENT			
LEFT ATRIUM	NORMAL				
RIGHT VENTRICLE	NORMAL				
RIGHT ATRIUM	NORMAL				
MITRAL VALVE	NORMAL				
AORTIC VALVE	NORMAL	1.5			
PULMONARY VALVE	NORMAL				
TRICUSPID VALVE	NORMAL				
INTER ATRIAL SEPTUM	INTACT				
INTER VENTRICULAR SEPTUM	INTACT				
PERICARDIUM	NORMAL, NO EFFUSION				
GREAT VESSELS	AORTA - NORMAL PULMONARY ARTERY - NORMAL				

CONCLUSION:

- NORMAL CHAMBER DIMENSIONS.
- NORMAL VALVES
- NO REGIONAL WALL MOTION ABNORMALITIES
- NORMAL LV SYSTOLIC FUNCTION.LVEF- 66 %
- NO CLOTS / VEGETATION / PE.

DR NAGESH M B
CONSULTANT
CARDIOLOGIST
(PLEASE CORRELATE WITH ECG & CLINICAL FINDINGS)

Name	B V ANITHA	Customer ID	MED121623991
Age & Gender	37Y/F	Visit Date	Jan 25 2023 8:14AM
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:

• No significant abnormality detected.

CONSULTANT RADIOLOGIST

OPTICAL STORE

Unique Collection

Ph: 9611444957

Vyalikaval Main road No:12 Lakshmi Nilaya, Ground Floor, 2nd Main Road, Vyalikaval, Bengaluru Karnataka - 560003

Name Mans Anitha

Ph No 9421132696

CHIEF COMPLAINTS

RE/LE/BE

DOV / Blurring / Eyeache / Burning Itching / Pricking / Redness

Visual Activity

	R		LÉ.	
Distance/ Near	61	6	AL	
With PH	0,		0,0	
With Glasses/Ct				

Color Vision: BE = Normal

	RĘ				LÍ			
	SPH	CYL.	Ax15	VN	SPH	ÓY!	AXIS	V.N.
Distance	_	-121	no	6/6	_	10	no	66
Near			2					

Advise: Constant Use / Near Use / Distance Only

(Consultant Optometrist)





NAME

: B.V. Anitha

AGE

3748 1 female

GPE:

Height; [6], Weight: 53.6

: 134/85 Pulse: 75/min.

Systemic Examination:

cvs- 3,52+

PA- NAD

rs- NUBS

cns - NAD.

Eye Check up:

- Enclosed

VA -

Color Vision -

After personal Examination of the case do hereby certify that

Mr / Ms/ ,Mrs

Avitha B.V

_is found Physically

Fit / Unfit to work

Fit

Unfit

Pending

K-R-S- Shark of, Signature

Dr. SHANKAR K.R.S. KMC No: 15130

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