Name	: Mr. VADDADI SRINIVASA R	AO
PID No.	: MED120883173	Register On : 12/03/2022 9:18 AM
SID No.	: 522211340	Collection On : 12/03/2022 12:13 PM
Age / Sex	: 37 Year(s) / Male	Report On : 13/03/2022 3:42 PM
Туре	: OP	Printed On : 17/03/2022 2:03 PM
Ref. Dr	: MediWheel	

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
HAEMATOLOGY			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood'Spectrophotometry)	15.3	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Derived from Impedance)	45.8	%	42 - 52
RBC Count (EDTA Blood/Impedance Variation)	4.73	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood/Derived from Impedance)	97.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Derived from Impedance)	32.2	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood' <i>Derived from Impedance</i>)	33.3	g/dL	32 - 36
RDW-CV (Derived from Impedance)	13.8	%	11.5 - 16.0
RDW-SD (Derived from Impedance)	46.85	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood/Impedance Variation)	5400	cells/cu.mm	4000 - 11000
Neutrophils (Blood/Impedance Variation & Flow Cytometry)	66.4	%	40 - 75
Lymphocytes (Blood/Impedance Variation & Flow Cytometry)	23.5	%	20 - 45
Eosinophils (Blood/Impedance Variation & Flow Cytometry)	2.6	%	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)	7.1	%	01 - 10
Basophils (Blood/Impedance Variation & Flow Cytometry)	0.4	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	3.59	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	1.27	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.14	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.38	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.02	10^3 / µl	< 0.2
Platelet Count (EDTA Blood/Impedance Variation)	211	10^3 / µl	150 - 450
MPV (Blood/Derived from Impedance)	8.3	fL	7.9 - 13.7
PCT (Automated Blood cell Counter)	0.18	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood/Modified Westergren)	2	mm/hr	< 15



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Investigation BIOCHEMISTRY	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Liver Function Test			
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.9	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.3	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.6	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	7.4	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.9	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	2.5	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	2.0		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	22	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	25	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/IFCC Kinetic)	90	U/L	53 - 128
GGT(Gamma Glutamyl Transpeptidase) (Serum/SZASZ standarised IFCC)	20	U/L	< 55





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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)	200	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	234	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)	31	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/ <i>Calculated</i>)	122.2	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	46.8	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i>)	169.0	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 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/ <i>Calculated</i>)	6.5		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>)	7.5		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/ <i>Calculated</i>)	3.9		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0

DR.VANITHA.R.SWAMY MD Consultant Pathologist Reg No : 99049 VERIFIED BY

DR SHAMIM JAVED MD PATHOLOGY KMC 88902

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological 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
NITEDDDETATION IF Disketer Condensation (1)		.71 800 Darma	(10)

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> Value	<u>Unit</u>	Biological Reference Interval	
IMMUNOASSAY				
<u>THYROID PROFILE / TFT</u>				
T3 (Triiodothyronine) - Total (Serum/ <i>CMIA</i>) INTERPRETATION: Comment : Total T3 variation can be seen in other condition like press Matchelically active	1.43 gnancy, drugs, neph	ng/mL nrosis etc. In such cas	0.7 - 2.04 es, Free T3 is recommended as it is	
Metabolically active. T4 (Thyroxine) - Total (Serum/ <i>CMIA</i>) INTERPRETATION: Comment : Total T4 variation can be seen in other condition like preg Metabolically active.	11.10 gnancy, drugs, neph	µg/dL nrosis etc. In such cas	4.2 - 12.0 es, Free T4 is recommended as it is	
TSH (Thyroid Stimulating Hormone) (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	2.51	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 ull/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	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
CLINICAL PATHOLOGY			
PHYSICAL EXAMINATION			
Colour (Urine)	Pale Yellow		
Appearance (Urine)	Clear		Clear
Volume (Urine)	15	mL	
<u>CHEMICAL EXAMINATION(Automated-</u> <u>Urineanalyser)</u>			
pH (Urine/ <i>AUTOMATED URINANALYSER)</i>	5.0		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)	0-2	/hpf	3-5
Epithelial Cells (Urine)	0-2	/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)

'O' '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	6.2		6 - 22
Glucose Fasting (FBS) (Plasma - F/GOD - POD)	87	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)	140	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	1.3	mg/dL	0.9 - 1.3

(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	5.3	mg/dL	3.5 - 7.2
(Serum/Uricase/Peroxidase)			





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-- End of Report --

Name	MR.VADDADI SRINIVASA RAO	ID	MED120883173
Age & Gender	37Y/MALE	Visit Date	12 Mar 2022
Ref Doctor Name	MediWheel	•	•

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (15.0 cms) and shows mild diffusely increased 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 is mildly enlarged in size, measures 12.8 cms. Normal in shape 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	9.7	1.7
Left Kidney	10.5	1.3

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

PROSTATE shows normal shape, size and echopattern. It measures 3.3 x 3.1 x 2.7 cm, volume: 14cc.

No evidence of ascites.

IMPRESSION:

- Grade I fatty infiltration of liver.
- Mild splenomegaly.

Suggested clinical correlation.

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

Name	MR.VADDADI SRINIVASA RAO	ID	MED120883173
Age & Gender	37Y/MALE	Visit Date	12 Mar 2022
Ref Doctor Name	MediWheel		

Vk/Ss

Name	MR.VADDADI SRINIVASA RAO	ID	MED120883173
Age & Gender	37Y/MALE	Visit Date	12 Mar 2022
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHIC STUDY

M-mode measurement:

AORTA	:	2.51	cms.
LEFT ATRIUM	:	2.93	cms.
AVS LEFT VENTRICLE	:	1.48	cms.
(DIASTOLE)	:	3.74	cms.
(SYSTOLE)	:	2.39	cms.
VENTRICULAR SEPTUM	:		
(DIASTOLE)	:	0.89	cms.
(SYSTOLE)	:	1.31	cms.
POSTERIOR WALL	:		
(DIASTOLE)	:	0.96	cms.
(SYSTOLE)	:	1.35	cms.
EDV	:	59	ml.
ESV	:	20	ml.
FRACTIONAL SHORTENING	:	30	%
EJECTION FRACTION	:	60	%
EPSS	:		cms.
RVID	:	1.80	cms.

DOPPLER MEASUREMENTS:

MITRAL VALVE:	E - 0.9 m/s	A - 0.7 m/s	NO MR.
AORTIC VALVE:	1.0 m/s		NO AR.
TRICUSPID VALVE: E -	0.5 m/s A - 0	.4 m/s	NO TR.
PULMONARY VALVE:	0.8 m/s		NO PR.

Name	MR.VADDADI SRINIVASA RAO	ID	MED120883173
Age & Gender	37Y/MALE	Visit Date	12 Mar 2022
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2D ECHOCARDIOGRAPHY FINDINGS:

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

Left Atrium	:	Normal.
Right Ventricle :	Norm	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. ANAND KUMAR M MD DM CONSULTANT INTERVENTIONAL CARDIOLOGIST

Name	MR.VADDADI SRINIVASA RAO	ID	MED120883173
Age & Gender	37Y/MALE	Visit Date	12 Mar 2022
Ref Doctor Name	MediWheel		



Name	VADDADI SRINIVASA RAO	ID	MED120883173
Age & Gender	37Y/M	Visit Date	Mar 12 2022 9:17AM
Ref Doctor	MediWheel		

X - RAY CHEST PA VIEW

Bilateral lung fields appear normal.

Cardiac size is within normal limits.

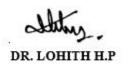
Bilateral hilar regions appear normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

IMPRESSION:

• No significant abnormality detected.



DR. H.K. ANAND

DR. C.R. RAMACHANDRA DR. V CONSULTANT RADIOLOGISTS

DR. VARSHA KALE