

CLIENT CODE: CA00010147 - MEDIWHEEL CLIENT'S NAME AND AND THE ST.

DDRC SRL DIAGNOSTICS Room A1, Ground Floor, Sitaram Tejal, Opp.110KV Substation, Ashwini Junction

PATIENT ID : AMRUF1002944177

TRICHUR, 680022 KERALA, INDIA Tel: 93334 93334

Email: customercare.ddrc@srl.in

MEDIWHEEL ARCOFEMI HEALTHCARE LIMITED F701A, LADO SARAI, NEW DELHI, SOUTH DELHI, DELHI, SOUTH DELHI 110030

DELHI INDIA 8800465156

PATIENT NAME: AMRUTHA

ACCESSION NO: **4177WB000974** AGE: 29 Years SEX: Female ABHA NO:

RECEIVED: 10/02/2023 10:19 11/02/2023 12:06 DRAWN: REPORTED:

REFERRING DOCTOR: DR.ANTO CLIENT PATIENT ID:

Results **Biological Reference Interval Units Test Report Status** <u>Final</u>

MEDIWHEEL HEALTH CHECKUP BELOW 40(F)TMT

TREADMILL TEST

COMPLETED TREADMILL TEST

OPTHAL

COMPLETED **OPTHAL**

PHYSICAL EXAMINATION

PHYSICAL EXAMINATION COMPLETED







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Room A1, Ground Floor, Sitaram Tejal, Opp.110KV Substation, Ashwini Junction MEDIWHEEL ARCOFEMI HEALTHCARE LIMITED

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PATIENT NAME: AMRUTHA PATIENT ID: AMRUF1002944177

ACCESSION NO: **4177WB000974** AGE: 29 Years ABHA NO: SEX: Female

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MEDIWHEEL HEALTH CHECKUP BELOW 40(F)TMT

BLOOD UREA NITROGEN (BUN), SERUM

BLOOD UREA NITROGEN 10 Adult(<60 yrs): 6 to 20 mg/dL

BUN/CREAT RATIO

BUN/CREAT RATIO 14 5 - 15

CREATININE, SERUM

18 - 60 yrs : 0.6 - 1.1 mg/dL **CREATININE** 0.70

GLUCOSE, POST-PRANDIAL, PLASMA

Diabetes Mellitus : > or = 200. mg/dL GLUCOSE, POST-PRANDIAL, PLASMA 128

Impaired Glucose tolerance/ Prediabetes: 140 - 199.

Hypoglycemia: < 55. **GLUCOSE FASTING, FLUORIDE PLASMA**

Diabetes Mellitus : > or = 126. GLUCOSE, FASTING, PLASMA 98 mg/dL

Impaired fasting Glucose/ Prediabetes: 101 - 125. Hypoglycemia : < 55.

GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE

BLOOD

: 4.0 - 5.6%. % GLYCOSYLATED HEMOGLOBIN (HBA1C) 5.5

Non-diabetic level : < 5.7%. Diabetic : >6.5%

Glycemic control goal

More stringent goal : < 6.5 %. General goal : < 7%. Less stringent goal : < 8%.

Glycemic targets in CKD :-If eGFR > 60 : < 7%. If eGFR < 60:7-8.5%.

MEAN PLASMA GLUCOSE 111.2 < 116.0 mg/dL

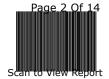
LIPID PROFILE, SERUM

Desirable : < 200 mg/dL CHOLESTEROL 169

Borderline: 200-239

High : >or= 240







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TRIGLYCERIDES	88		Normal: < 150 High: 150-199 Hypertriglyceridemia: 200-499 Very High: > 499	mg/dL
HDL CHOLESTEROL	38	Low	General range : 40-60	mg/dL
DIRECT LDL CHOLESTEROL	124		Optimum : < 100 Above Optimum : 100-139 Borderline High : 130-159 High : 160-189 Very High : >or= 190	mg/dL
NON HDL CHOLESTEROL	131	High	Desirable: Less than 130 Above Desirable: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very high: > or = 220	mg/dL
VERY LOW DENSITY LIPOPROTEIN	17.6		< or = 30.0	mg/dL
CHOL/HDL RATIO	4.5	High	3.30 - 4.40	
LDL/HDL RATIO	3.3	High	0.5 - 3.0	







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Test Report Status Final Results Units

Interpretation(s)

- 1) Cholesterol levels help assess the patient risk status and to follow the progress of patient under treatment to lower serum cholesterol concentrations.
- 2) Serum Triglyceride (TG) are a type of fat and a major source of energy for the body. Both quantity and composition of the diet impact on plasma triglyceride concentrations. Elevations in TG levels are the result of overproduction and impaired clearance. High TG are associated with increased risk for CAD (Coronary artery disease) in patients with other risk factors, such as low HDL-C, some patient groups with elevated apolipoprotein B concentrations, and patients with forms of LDL that may be particularly atherogenic.
- 3)HDL-C plays a crucial role in the initial step of reverse cholesterol transport, this considered to be the primary atheroprotective function of HDL.
- 4) LDL -C plays a key role in causing and influencing the progression of atherosclerosis and, in particular, coronary sclerosis. The majority of cholesterol stored in atherosclerotic plaques originates from LDL, thus LDL-C value is the most powerful clinical predictor.
- 5)Non HDL cholesterol: Non-HDL-C measures the cholesterol content of all atherogenic lipoproteins, including LDL hence it is a better marker of risk in both primary and secondary prevention studies. Non-HDL-C also covers, to some extent, the excess ASCVD risk imparted by the sdLDL, which is significantly more atherogenic than the normal large buoyant particles, an elevated non-HDL-C indirectly suggests greater proportion of the small, dense variety of LDL particles

Serum lipid profile is measured for cardiovascular risk prediction. Lipid Association of India recommends LDL-C as primary target and Non HDL-C as co-primary treatment target.

Risk Stratification for ASCVD (Atherosclerotic cardiovascular disease) by Lipid Association of India

A.CAD with > 1 feature of high risk group			
B. CAD with > 1 feature of Very high risk g	group or recurrent ACS (within 1 year) despite LDL-C		
< or = 50 mg/dl or polyvascular disease			
	major risk factors or evidence of end organ damage 3.		
Familial Homozygous Hypercholesterolemi	a		
	abetes with 1 major risk factor or no evidence of end		
organ damage. 3. CKD stage 3B or 4. 4. LDL > 190 mg/dl 5. Extreme of a single risk factor. 6.			
Coronary Artery Calcium - CAC >300 AU. 7. Lipoprotein a >/= 50mg/dl 8. Non stenotic carotid			
plaque			
2 major ASCVD risk factors			
c 0-1 major ASCVD risk factors			
Major ASCVD (Atherosclerotic cardiovascular disease) Risk Factors			
s in males and $>$ or $= 55$ years in females	3. Current Cigarette smoking or tobacco use		
remature ASCVD	4. High blood pressure		
	B. CAD with > 1 feature of Very high risk § < or = 50 mg/dl or polyvascular disease 1. Established ASCVD 2. Diabetes with 2 r Familial Homozygous Hypercholesterolemi 1. Three major ASCVD risk factors. 2. Dia organ damage. 3. CKD stage 3B or 4. 4. L Coronary Artery Calcium - CAC > 300 AU. plaque 2 major ASCVD risk factors 0-1 major ASCVD risk factors erosclerotic cardiovascular disease) Risk Fa s in males and > or = 55 years in females		

Newer treatment goals and statin initiation thresholds based on the risk categories proposed by LAI in 2020.

Risk Group Treatment Goals Consider Drug Therapy
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Test Report Status <u>Final</u> Results Units

	LDL-C (mg/dl)	Non-HDL (mg/dl)	LDL-C (mg/dl)	Non-HDL (mg/dl)
Extreme Risk Group	<50 (Optional goal	< 80 (Optional goal	>OR = 50	>OR = 80
Category A	$\langle OR = 30 \rangle$	< OR = 60)		
Extreme Risk Group	<or 30<="" =="" td=""><td><or 60<="" =="" td=""><td>> 30</td><td>>60</td></or></td></or>	<or 60<="" =="" td=""><td>> 30</td><td>>60</td></or>	> 30	>60
Category B				
Very High Risk	<50	<80	>OR= 50	>OR= 80
High Risk	<70	<100	>OR= 70	>OR= 100
Moderate Risk	<100	<130	>OR= 100	>OR= 130
Low Risk	<100	<130	>OR= 130*	>OR= 160

^{*}After an adequate non-pharmacological intervention for at least 3 months.

References: Management of Dyslipidaemia for the Prevention of Stroke: Clinical Practice Recommendations from the Lipid Association of India. Current Vascular Pharmacology, 2022, 20, 134-155.

LIVER FUNCTION TEST WITH GGT

BILIRUBIN, TOTAL	0.31	General Range : < 1.1	mg/dL
BILIRUBIN, DIRECT	0.14	General Range : < 0.3	mg/dL
BILIRUBIN, INDIRECT	0.17	0.00 - 1.00	mg/dL
TOTAL PROTEIN	6.8	Ambulatory: 6.4 - 8.3 Recumbant: 6 - 7.8	g/dL
ALBUMIN	4.8	20-60yrs: 3.5 - 5.2	g/dL
GLOBULIN	2.0	2.0 - 4.1	g/dL
ALBUMIN/GLOBULIN RATIO	2.4 H	igh 1.0 - 2.0	RATIO
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	11	Adults: < 33	U/L
ALANINE AMINOTRANSFERASE (ALT/SGPT)	10	Adults : < 34	U/L
ALKALINE PHOSPHATASE	70	Adult(<60yrs): 35 - 105	U/L
GAMMA GLUTAMYL TRANSFERASE (GGT)	15	Adult (female) : < 40	U/L
TOTAL PROTEIN, SERUM			
TOTAL PROTEIN	6.8	Ambulatory: 6.4 - 8.3 Recumbant: 6 - 7.8	g/dL
URIC ACID, SERUM			
URIC ACID	3.9	Adults: 2.4-5.7	mg/dL
ABO GROUP & RH TYPE, EDTA WHOLE BLOOD			

0





ABO GROUP





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DIL TVDE	DOCITIVE			
RH TYPE BLOOD COUNTS,EDTA WHOLE BLOOD	POSITIVE			
HEMOGLOBIN	11.9	Low	12.0 - 15.0	g/dL
RED BLOOD CELL COUNT	3.97		3.8 - 4.8	g/ αΕ mil/μL
WHITE BLOOD CELL COUNT	4.69		4.0 - 10.0	thou/µL
PLATELET COUNT	4.69 356		150 - 410	thou/μL
RBC AND PLATELET INDICES	330		130 - 410	ι ιου, με
HEMATOCRIT	34.6	Low	36 - 46	%
MEAN CORPUSCULAR VOL	87.1		83 - 101	fL
MEAN CORPUSCULAR HGB.	30.1		27.0 - 32.0	pg
MEAN CORPUSCULAR HEMOGLOBIN	30.1 34.6	Hiah	31.5 - 34.5	g/dL
CONCENTRATION	54.0	9	31.3 34.3	g/uL
RED CELL DISTRIBUTION WIDTH	12.0		11.6 - 14.0	%
MENTZER INDEX	21.9			
MEAN PLATELET VOLUME	8.1		6.8 - 10.9	fL
WBC DIFFERENTIAL COUNT				
SEGMENTED NEUTROPHILS	56		40 - 80	%
LYMPHOCYTES	40		20 - 40	%
MONOCYTES	02		2 - 10	%
EOSINOPHILS	02		1 - 6	%
BASOPHILS	00		< 1 - 2	%
ABSOLUTE NEUTROPHIL COUNT	2.63		2.0 - 7.0	thou/µL
ABSOLUTE LYMPHOCYTE COUNT	1.88		1 - 3	thou/µL
ABSOLUTE MONOCYTE COUNT	0.09	Low	0.20 - 1.00	thou/µL
ABSOLUTE EOSINOPHIL COUNT	0.09		0.02 - 0.50	thou/µL
NEUTROPHIL LYMPHOCYTE RATIO (NLR)	1.4			
ERYTHROCYTE SEDIMENTATION RATE (ESR), W BLOOD	HOLE			
SEDIMENTATION RATE (ESR)	06		0 - 20	mm at 1 hr
SUGAR URINE - POST PRANDIAL				
SUGAR URINE - POST PRANDIAL THYROID PANEL, SERUM	NOT DETECTED		NOT DETECTED	







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Test Report Status <u>Final</u>	Results		Units
Т3	85.70	Non-Pregnant : 60-181	ng/dL
		Pregnant Trimester-wise 1st : 81-190 2nd : 100-260 3rd : 100-260	
T4	5.30	3.2 - 12.6	μg/dl
TSH 3RD GENERATION	1.570	(Non Pregnant) : 0.4 - 4.2	μIU/mL
		Pregnant(Trimester wise)	

Pregnant(Trimester wise)

1st : 0.1 - 2.5 2nd : 0.2 - 3 3rd : 0.3 - 3







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Test Report Status <u>Final</u> Results Units

Interpretation(s)

Triiodothyronine T3, **Thyroxine T4**, and **Thyroid Stimulating Hormone TSH** are thyroid hormones which affect almost every physiological process in the body, including growth, development, metabolism, body temperature, and heart rate.

Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary gland. Elevated concentrations of T3, and T4 in the blood inhibit the production of TSH.

Excessive secretion of thyroxine in the body is hyperthyroidism, and deficient secretion is called hypothyroidism.

In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hyperthyroidism, TSH levels are low. Below mentioned are the guidelines for Pregnancy related reference ranges for Total T4, TSH & Total T3. Measurement of the serum TT3 level is a more sensitive test for the diagnosis of hyperthyroidism, and measurement of TT4 is more useful in the diagnosis of hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the circulating hormone is free and biologically active. It is advisable to detect Free T3, FreeT4 along with TSH, instead of testing for albumin bound Total T3, Total T4.

Sr. No.	TSH	Total T4	FT4	Total T3	Possible Conditions
1	High	Low	Low	Low	(1) Primary Hypothyroidism (2) Chronic autoimmune Thyroiditis (3)
					Post Thyroidectomy (4) Post Radio-Iodine treatment
2	High	Normal	Normal	Normal	(1)Subclinical Hypothyroidism (2) Patient with insufficient thyroid
					hormone replacement therapy (3) In cases of Autoimmune/Hashimoto
					thyroiditis (4). Isolated increase in TSH levels can be due to Subclinical
					inflammation, drugs like amphetamines, Iodine containing drug and
					dopamine antagonist e.g. domperidone and other physiological reasons.
3	Normal/Low	Low	Low	Low	(1) Secondary and Tertiary Hypothyroidism
4	Low	High	High	High	(1) Primary Hyperthyroidism (Graves Disease) (2) Multinodular Goitre
					(3)Toxic Nodular Goitre (4) Thyroiditis (5) Over treatment of thyroid
					hormone (6) Drug effect e.g. Glucocorticoids, dopamine, T4
					replacement therapy (7) First trimester of Pregnancy
5	Low	Normal	Normal	Normal	(1) Subclinical Hyperthyroidism
6	High	High	High	High	(1) TSH secreting pituitary adenoma (2) TRH secreting tumor
7	Low	Low	Low	Low	(1) Central Hypothyroidism (2) Euthyroid sick syndrome (3) Recent
					treatment for Hyperthyroidism
8	Normal/Low	Normal	Normal	High	(1) T3 thyrotoxicosis (2) Non-Thyroidal illness
9	Low	High	High	Normal	(1) T4 Ingestion (2) Thyroiditis (3) Interfering Anti TPO antibodies

REF: 1. TIETZ Fundamentals of Clinical chemistry 2.Guidlines of the American Thyroid association during pregnancy and Postpartum, 2011. **NOTE: It is advisable to detect Free T3,FreeT4 along with TSH, instead of testing for albumin bound Total T3, Total T4.**TSH is not affected by variation in thyroid - binding protein. TSH has a diurnal rhythm, with peaks at 2:00 - 4:00 a.m. And troughs at 5:00 - 6:00 p.m. With ultradian variations.

PHYSICAL EXAMINATION, URINE

COLOR PALE YELLOW APPEARANCE CLEAR

CHEMICAL EXAMINATION, URINE

PH 5.0 4.7 - 7.5







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Test Report Status <u>Final</u>	Results		Units
SPECIFIC GRAVITY	1.015	1.003 - 1.035	
PROTEIN	NOT DETECTED	NOT DETECTED	
GLUCOSE	NOT DETECTED	NOT DETECTED	
KETONES	NOT DETECTED	NOT DETECTED	
BLOOD	NOT DETECTED	NOT DETECTED	
BILIRUBIN	NOT DETECTED	NOT DETECTED	
UROBILINOGEN	NORMAL	NORMAL	
NITRITE	NOT DETECTED	NOT DETECTED	
MICROSCOPIC EXAMINATION, URINE			
RED BLOOD CELLS	NOT DETECTED	NOT DETECTED	/HPF
WBC	3-5	0-5	/HPF
EPITHELIAL CELLS	5-7	0-5	/HPF
CASTS	NOT DETECTED		
CRYSTALS	NOT DETECTED		
BACTERIA	NOT DETECTED	NOT DETECTED	







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Interpretation(s)

The following table describes the probable conditions, in which the analytes are present in urine

Presence of	Conditions
Proteins	Inflammation or immune illnesses
Pus (White Blood Cells)	Urinary tract infection, urinary tract or kidney stone, tumors or any kind
	of kidney impairment
Glucose	Diabetes or kidney disease
Ketones	Diabetic ketoacidosis (DKA), starvation or thirst
Urobilinogen	Liver disease such as hepatitis or cirrhosis
Blood	Renal or genital disorders/trauma
Bilirubin	Liver disease
Erythrocytes	Urological diseases (e.g. kidney and bladder cancer, urolithiasis), urinary
	tract infection and glomerular diseases
Leukocytes	Urinary tract infection, glomerulonephritis, interstitial nephritis either
	acute or chronic, polycystic kidney disease, urolithiasis, contamination by
	genital secretions
Epithelial cells	Urolithiasis, bladder carcinoma or hydronephrosis, ureteric stents or
	bladder catheters for prolonged periods of time
Granular Casts	Low intratubular pH, high urine osmolality and sodium concentration, interaction with Bence-Jones protein
Hyaline casts	Physical stress, fever, dehydration, acute congestive heart failure, renal
Tryannic casas	diseases
Calcium oxalate	Metabolic stone disease, primary or secondary hyperoxaluria, intravenous
	infusion of large doses of vitamin C, the use of vasodilator naftidrofuryl
	oxalate or the gastrointestinal lipase inhibitor orlistat, ingestion of
	ethylene glycol or of star fruit (Averrhoa carambola) or its juice
Uric acid	arthritis
Bacteria	Urinary infectionwhen present in significant numbers & with pus cells.
Trichomonas vaginalis	Vaginitis, cervicitis or salpingitis

SUGAR URINE - FASTING

SUGAR URINE - FASTING NOT DETECTED NOT DETECTED

PHYSICAL EXAMINATION, STOOL

COLOUR BROWN

CONSISTENCY SEMI FORMED

MUCUS NOT DETECTED NOT DETECTED

VISIBLE BLOOD ABSENT ABSENT







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MICROSCOPIC EXAMINATION, STOOL			
PUS CELLS	0-1		/hpf
RED BLOOD CELLS	NOT DETECTED	NOT DETECTED	/HPF
CYSTS	NOT DETECTED	NOT DETECTED	
OVA	NOT DETECTED		







CLIENT CODE: CA00010147 - MEDIWHEEL
CLIENT'S NAME AND XDDRESSY THOUSE LIMITED

MEDIWHEEL ARCOFEMI HEALTHCARE LIMITED F701A, LADO SARAI, NEW DELHI, SOUTH DELHI, DELHI, SOUTH DELHI 110030 DELHI INDIA 8800465156 DDRC SRL DIAGNOSTICS

Room A1, Ground Floor, Sitaram Tejal, Opp.110KV Substation, Ashwini Junction

TRICHUR, 680022 KERALA, INDIA Tel: 93334 93334

Email: customercare.ddrc@srl.in

PATIENT NAME: AMRUTHA PATIENT ID: AMRUF1002944177

ACCESSION NO: 4177WB000974 AGE: 29 Years SEX: Female ABHA NO:

DRAWN: RECEIVED: 10/02/2023 10:19 REPORTED: 11/02/2023 12:06

REFERRING DOCTOR: DR.ANTO CLIENT PATIENT ID:

Test Report Status Final Results Units

Interpretation(s)

Stool routine analysis is only a screening test for disorders of gastrointentestinal tract like infection, malabsorption, etc. The following table describes the probable conditions, in which the analytes are present in stool.

PRESENCE OF	CONDITION
Pus cells	Pus in the stool is an indication of infection
Red Blood cells	Parasitic or bacterial infection or an inflammatory bowel condition such as ulcerative colitis
Parasites	Infection of the digestive system. Stool examination for ova and parasite detects presence of parasitic infestation of gastrointestinal tract. Various forms of parasite that can be detected include cyst, trophozoite and larvae. One negative result does not rule out the possibility of parasitic infestation. Intermittent shedding of parasites warrants examinations of multiple specimens tested on consecutive days. Stool specimens for parasitic examination should be collected before initiation of antidiarrheal therapy or antiparasitic therapy. This test does not detect presence of opportunistic parasites like Cyclospora, Cryptosporidia and Isospora species. Examination of Ova and Parasite has been carried out by direct and concentration techniques.
Mucus	Mucus is a protective layer that lubricates, protects& reduces damage due to bacteria or viruses.
Charcot-Leyden crystal	Parasitic diseases.
Ova & cyst	Ova & cyst indicate parasitic infestation of intestine.
Frank blood	Bleeding in the rectum or colon.
Occult blood	Occult blood indicates upper GI bleeding.
Macrophages	Macrophages in stool are an indication of infection as they are protective cells.
Epithelial cells	Epithelial cells that normally line the body surface and internal organs show up in stool when there is inflammation or infection.
Fat	Increased fat in stool maybe seen in conditions like diarrhoea or malabsorption.
рН	Normal stool pH is slightly acidic to neutral. Breast-fed babies generally have an acidic stool.

ADDITIONAL STOOL TESTS:

- Stool Culture: This test is done to find cause of GI infection, make decision about best treatment for GI infection & to find out if treatment for GI infection worked.
- 2. <u>Fecal Calprotectin</u>: It is a marker of intestinal inflammation. This test is done to differentiate Inflammatory Bowel Disease (IBD) from Irritable Bowel Syndrome (IBS).
- 3. Fecal Occult Blood Test(FOBT): This test is done to screen for colon cancer & to evaluate possible cause of unexplained anaemia.
- **4.** <u>Clostridium Difficile Toxin Assay</u>: This test is strongly recommended in healthcare associated bloody or waterydiarrhoea, due to overuse of broad spectrum antibiotics which alter the normal GI flora.
- 5. <u>Biofire (Film Array) GI PANEL</u>: In patients of Diarrhoea, Dysentry, Rice watery Stool, FDA approved, Biofire Film Array Test,(Real Time Multiplex PCR) is strongly recommended as it identifies organisms, bacteria,fungi,virus ,parasite and other opportunistic pathogens, Vibrio cholera infections only in 3 hours. Sensitivity 96% & Specificity 99%.







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6. Rota Virus Immunoassay: This test is recommended in severe gastroenteritis in infants & children associated with watery diarrhoea, vomitting& abdominal cramps. Adults are also affected. It is highly contagious in nature.







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MEDIWHEEL HEALTH CHECKUP BELOW 40(F)TMT

ECG WITH REPORT

REPORT

8800465156

COMPLETED

USG ABDOMEN AND PELVIS

REPORT

COMPLETED

CHEST X-RAY WITH REPORT

REPORT

COMPLETED

End Of Report
Please visit www.srlworld.com for related Test Information for this accession

DR.HARI SHANKAR, MBBS MD (Reg No - TCMC:62092)

HEAD - Biochemistry & Immunology

BIJI K S LAB TECHNOLOGIST

MANJU SHAJI RADIOGRAPHER DR. SINDHU GEORGE QUALITY MANAGER



