

ECHOCARDIOGRAPHY REPORT

Name:	Mr. AJITH P	Age: 35	Date:	11/03/2023	
Ref By:	MEDIWHEEL	Sex: M	SRD No:	WC000942	

M MODE

2D ECHO

MV/Area: Normal

AORTA: 31 mm LA: 34 mm LVIDD: 39 mm LVIDS: 28 mm

AV: Normal RWMA: Nil LA: Normal LV: Normal

MV: Normal

PV: Normal TV: Normal RA: Normal RV: Normal IVS: Normal

IVSS: 13 mm LVPWD: 11 mm

IVSD: 12 mm

IAS: Intact Situs: Solitus A-V Relationship : Normal

LVPWD: 11 mm LVPWS: 13 mm

V-A Relationship: Normal

Great Vessel Relationship: Normal Pulmonary V Drainage: Normal

LVEF: 61 % FS: 32 % Syst. V. Drainage: Normal Pericardial Effusion: Nil

DOPPLER

Pul Velocity: 0.8 m/s

MV Velocity:

E: 0.63 m/s

A: 0.53 m/s

E/A: 1.19 MV Area (PHT):

AV Velocity: 1.2 m/s

AO Area:

TV Velocity: 0.6 m/s

RVSP: mmHg

COLOUR

MR: Trivial ASD:
AR: Nil VSD:
TR: Nil PDA
PR:Trivial CoA:

Wall motion abnormalities: Nil

Pericardium: No pericardial effusion

Vegetation/Thrombus: Nil

IMPRESSION:

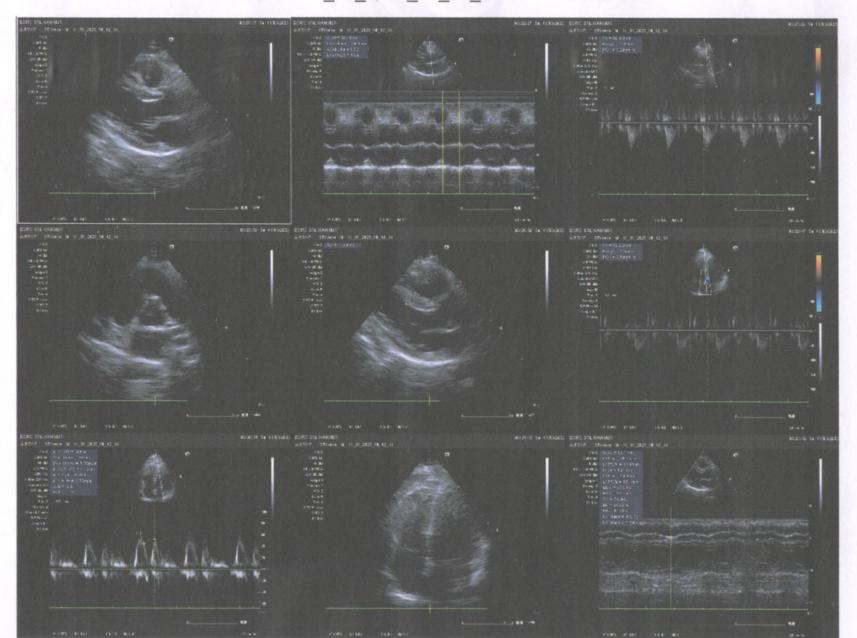
- Mild Concentric LVH
- Trivial MR/ PR
- No RWMA
- Normal LV Systolic function

CIN: U85190MH2006PTC161480

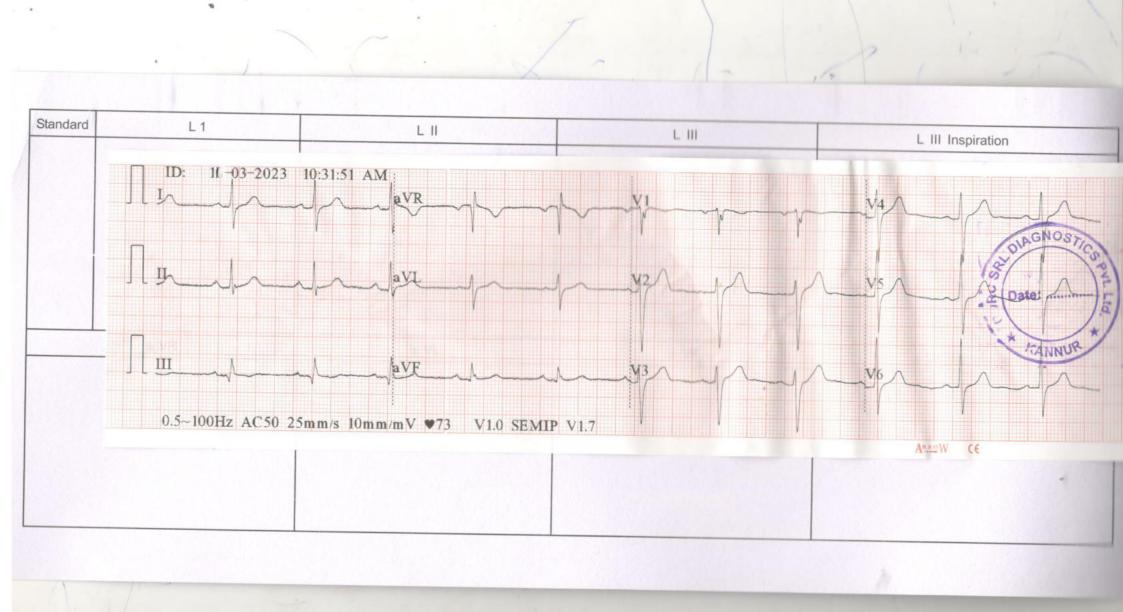
DDRC SRL KANNUR

AJITH P: 11_03_2023_08_12_14

20230311







V1	V2	V3	V4
ID: AJITH P Male 35Years cm kg DDRC \$ 1, KAN HR 69 bpm	S,ND,DNB 4 NUR Muh		
HR : 69 bpm P : 117 ms PR : 181 ms QRS : 88 ms	V6	Standard	
HR : 69 bpm P : 117 ms PR : 181 ms QRS : 88 ms QT/QTc : 366/395 ms P/QRS/T : 54/86/29 ° RV5/SV1 : 1.191/0.709 mV			
			ji -







Ajilli. P 8547862120.

DDRCC Kannur.



OPTHALMOLOGY REPORT

TO WHOM-SO-EVER IT MAY CONCERN

This is to certify that I have examined Mr. AJITH P, 35 years Male on 11.03.2023 and his visual standards are as follows:

	OD	os
UNCORRECTED DISTANCE VISUAL ACUITY	6/24(P)	6/36
UNCORRECTED NEAR VISUAL ACUITY	N6	N6
BEST CORRECTED VISUAL ACUITY	6/6,N6	6/6,N6
COLOUR VISION	NORMAL	NORMAL

NOTE: HISTORY SPECS SINCE 10 YEARS; LAST CHANGED

8 MONTHS BACK.

NO RELEVANT MEDICAL HISTORY.

SHEHZIYA V P OPTOMETRIST



DATE: 11.03.2023





CLIENT CODE: CA00010147 - MEDIWHEEL
CLIENT'S NAME AND ADDRESS: THO ADD TOWNS

DDRC SRL DIAGNOSTICS

KANNUR 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: AJITH P PATIENT ID: AJITM3105874053

ACCESSION NO: 4053WC000942 AGE: 35 Years SEX: Male ABHA NO:

DRAWN: RECEIVED: 11/03/2023 08:15 REPORTED: 11/03/2023 17:54

REFERRING DOCTOR: DR. MEDIWHEEL CLIENT PATIENT ID:

Test Report Status Final Results Biological Reference Interval Units

MEDIWHEEL HEALTH CHECKUP BELOW 40(M)2DECHO

OPTHAL

OPTHAL COMPLETED

PHYSICAL EXAMINATION

PHYSICAL EXAMINATION COMPLETED









CLIENT CODE: CA00010147 - MEDIWHEEL
CLIENT'S NAME AND ADDRESS! TUCABEL INVITED

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MEDIWHEEL HEALTH CHECKUP BELOW 40(M)2DECHO

BUN/CREAT RATIO

BUN/CREAT RATIO 10 5.00 - 15.00

CREATININE, SERUM

CREATININE 0.80 18 - 60 yrs : 0.9 - 1.3 mg/dL

GLUCOSE, POST-PRANDIAL, PLASMA

GLUCOSE, POST-PRANDIAL, PLASMA 178 High Diabetes Mellitus : > or = 200. mg/dL

Impaired Glucose tolerance/ Prediabetes: 140 - 199. Hypoglycemia: < 55.

GLUCOSE FASTING, FLUORIDE PLASMA

GLUCOSE, FASTING, PLASMA 112 Diabetes Mellitus : > or = 126. mg/dL

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

GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE

BLOOD

GLYCOSYLATED HEMOGLOBIN (HBA1C) 6.7 High Normal : 4.0 - 5.6%. %

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%.

LIPID PROFILE, SERUM

CHOLESTEROL 238 Desirable: < 200 mg/dL

Borderline: 200-239 High: >or= 240

TRIGLYCERIDES 166 High Normal : < 150 mg/dL

High : 150-199

Hypertriglyceridemia: 200-499

Very High : > 499

HDL CHOLESTEROL 36 Low General range : 40-60 mg/dL





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ACCESSION NO: **4053WC000942** AGE: 35 Years SEX: Male ABHA NO:

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REFERRING DOCTOR: DR. MEDIWHEEL CLIENT PATIENT ID:

Test Report Status <u>Final</u>	Results		Units
DIRECT LDL CHOLESTEROL	172	High Optimum : < 100 Above Optimum : 100-139 Borderline High : 130-159 High : 160-189 Very High : >or= 190	mg/dL
NON HDL CHOLESTEROL	202	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	33.2	= 30.0</td <td>mg/dL</td>	mg/dL
CHOL/HDL RATIO	6.6	High 3.3 - 4.4 Low Risk 4.5 - 7.0 Average Risk 7.1 - 11.0 Moderate Risk > 11.0 High Risk	
LDL/HDL RATIO	4.8	High 0.5-3 Desirable/Low risk 3.1-6 Borderline/Moderate risk >6.0 High Risk	









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REFERRING DOCTOR: DR. MEDIWHEEL CLIENT PATIENT ID:

Test Report Status <u>Final</u> 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 group or recurrent ACS (within 1 year) despite LDL-C					
1. Established ASCVD 2. Diabetes with 2 major risk factors or evidence of end organ damage 3.					
1. Three major ASCVD risk factors. 2. Diabetes 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					
2 major ASCVD risk factors					
0-1 major ASCVD risk factors					
erosclerotic cardiovascular disease) Risk Fa	ictors				
1. Age > or = 45 years 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 g < 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 Factors 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	
	LDL-C (mg/dl)	Non-HDL (mg/dl)	LDL-C (mg/dl)	Non-HDL (mg/dl)





PATIENT NAME: AJITH P

Test Report Status





AJITM3105874053

Units

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ACCESSION NO: **4053WC000942** AGE: 35 Years SEX: Male ABHA NO:

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Results

REFERRING DOCTOR: DR. MEDIWHEEL CLIENT PATIENT ID:

Extreme Risk Group Category A	<50 (Optional goal < OR = 30)	< 80 (Optional goal <or 60)<="" =="" th=""><th>>OR = 50</th><th>>OR = 80</th></or>	>OR = 50	>OR = 80
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.

<u>Final</u>

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	0.60	General Range : < 1.1	mg/dL
BILIRUBIN, DIRECT	0.20	General Range : < 0.3	mg/dL
BILIRUBIN, INDIRECT	0.40	0.00 - 0.60	mg/dL
TOTAL PROTEIN	7.5	Ambulatory: 6.4 - 8.3 Recumbant: 6 - 7.8	g/dL
ALBUMIN	4.7	20-60yrs : 3.5 - 5.2	g/dL
GLOBULIN	2.8	2.0 - 4.0	g/dL
ALBUMIN/GLOBULIN RATIO	1.7	1.0 - 2.0	RATIO
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	25	Adults: < 40	U/L
ALANINE AMINOTRANSFERASE (ALT/SGPT)	37	Adults : < 45	U/L
ALKALINE PHOSPHATASE	78	Adult(<60yrs): 40 - 130	U/L
GAMMA GLUTAMYL TRANSFERASE (GGT) TOTAL PROTEIN, SERUM	58	Adult(male) : < 60	U/L
TOTAL PROTEIN	7.5	Ambulatory: 6.4 - 8.3 Recumbant: 6 - 7.8	g/dL
URIC ACID, SERUM			
URIC ACID ABO GROUP & RH TYPE, EDTA WHOLE BLOOD	6.8	Adults: 3.4-7	mg/dL
ABO GROUP	TYPE A		
RH TYPE	POSITIVE		
BLOOD COUNTS,EDTA WHOLE BLOOD			
HEMOGLOBIN	16.8	13.0 - 17.0	g/dL





Scan to View Details Scan to View Report

PATIENT NAME: AJITH P

ACCESSION NO:

DRAWN:





AJITM3105874053

CLIENT CODE: CA00010147 - MEDIWHEEL CLIENT'S NAME AND ADDRESS! THE AND ANTICO

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11/03/2023 17:54

MEDIWHEEL ARCOFEMI HEALTHCARE LIMITED F701A, LADO SARAI, NEW DELHI, SOUTH DELHI, DELHI, SOUTH DELHI 110030 **DELHI INDIA** 8800465156

REFERRING DOCTOR: DR. MEDIWHEEL

4053WC000942 AGE: 35 Years

RECEIVED: 11/03/2023 08:15

SEX: Male

Test Report Status Results Units <u>Final</u> 5.89 High 4.5 - 5.5 mil/μL RED BLOOD CELL COUNT 4.0 - 10.0thou/µL WHITE BLOOD CELL COUNT 5.81 150 - 410 thou/µL PLATELET COUNT 283 **RBC AND PLATELET INDICES** 50.8 High 40 - 50 % **HEMATOCRIT** MEAN CORPUSCULAR VOL 83 - 101 fL 86.2 27.0 - 32.0 MEAN CORPUSCULAR HGB. 28.5 pg 31.5 - 34.5 g/dL MEAN CORPUSCULAR HEMOGLOBIN 33.1 CONCENTRATION % RED CELL DISTRIBUTION WIDTH 12.2 11.6 - 14.0 MENTZER INDEX 14.6 6.8 - 10.9 fL MEAN PLATELET VOLUME 8.2 **WBC DIFFERENTIAL COUNT** SEGMENTED NEUTROPHILS 62 40 - 80 % LYMPHOCYTES 26 20 - 40% 2 - 10 % **MONOCYTES** 4 7 High 1 - 6 % **EOSINOPHILS** 0 - 2 % **BASOPHILS** 1 2.0 - 7.0thou/µL ABSOLUTE NEUTROPHIL COUNT 3.60 1 - 3 thou/µL ABSOLUTE LYMPHOCYTE COUNT 1.51 0.20 - 1.00ABSOLUTE MONOCYTE COUNT thou/µL 0.23 0.02 - 0.50 thou/µL ABSOLUTE EOSINOPHIL COUNT 0.412.4 NEUTROPHIL LYMPHOCYTE RATIO (NLR) **ERYTHROCYTE SEDIMENTATION RATE (ESR), WHOLE BLOOD** mm at 1 hr High 0 - 14 SEDIMENTATION RATE (ESR) **SUGAR URINE - POST PRANDIAL** SUGAR URINE - POST PRANDIAL **NOT DETECTED** NOT DETECTED **THYROID PANEL, SERUM** 80.00 - 200.00 ng/dL T3 131.00 5.10 - 14.10 **T4** 9.39 µg/dl 21-50 yrs: 0.4 - 4.2 μIU/mL TSH 3RD GENERATION 1.960









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

PATIENT NAME: AJITH P PATIENT ID: AJITM3105874053

ACCESSION NO: 4053WC000942 AGE: 35 Years SEX: Male ABHA NO:

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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	
	1000				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 SLIGHTLY HAZY

CHEMICAL EXAMINATION, URINE

PH 5.0 4.8 - 7.4



Page 7 Of 14

PATIENT NAME: AJITH P





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CLIENT'S NAME AND ADDRESS? TICADE LIMITED

DDRC SRL DIAGNOSTICS

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Test Report Status <u>Final</u>	Results		Units
SPECIFIC GRAVITY	1.025	1.015 - 1.030	
PROTEIN	DETECTED (++)	NOT DETECTED	
GLUCOSE	NOT DETECTED	NOT DETECTED	
KETONES	NOT DETECTED	NOT DETECTED	
BILIRUBIN	NOT DETECTED	NOT DETECTED	
UROBILINOGEN	NORMAL	NORMAL	
NITRITE	NOT DETECTED	NOT DETECTED	
MICROSCOPIC EXAMINATION, URINE			
RED BLOOD CELLS	0 - 1	NOT DETECTED	/HPF
WBC	5-7	0-5	/HPF
EPITHELIAL CELLS	DETECTED	NOT DETECTED	/HPF
CACTO	(OCCASIONAL) GRANULAR CAST: PRESEN	IT	
CASTS	GRANULAR CAST . PRESEN	VI	
	HYALINE CAST: PRESENT		
CRYSTALS	NOT DETECTED		
BACTERIA	NOT DETECTED	NOT DETECTED	
REMARKS	MUCUS : PRESENT		









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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
Tryamic casts	diseases
Calcium oxalate	Metabolic stone disease, primary or secondary hyperoxaluria, intravenous
Curcium Oxanae	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 LIQUID

MUCUS NOT DETECTED NOT DETECTED

VISIBLE BLOOD ABSENT ABSENT









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REFERRING DOCTOR: DR. MEDIWHEEL CLIENT PATIENT ID:

Test Report Status	<u>Final</u>	Results		Units
MICROSCOPIC EXAM PUS CELLS	IINATION,STOO	ր ւ 1-2		/hpf
RED BLOOD CELLS CYSTS OVA VEGETABLE CELLS		NOT DETECTED NOT DETECTED NOT DETECTED ABSENT	NOT DETECTED NOT DETECTED	/HPF









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

PATIENT NAME: AJITH P PATIENT ID: AJITM3105874053

ACCESSION NO: 4053WC000942 AGE: 35 Years SEX: Male ABHA NO:

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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 ar 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.
- Fecal Calprotectin: 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.
- Clostridium Difficile Toxin Assay: 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. Biofire (Film Array) GI PANEL: 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%.
- 6. Rota Virus Immunoassay: This test is recommended in severe gastroenteritis in infants & children associated with watery









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PATIENT ID: **PATIENT NAME: AJITH P** AJITM3105874053

4053WC000942 AGE: 35 Years SEX: Male ARHA NO · ACCESSION NO:

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

diarrhoea, vomitting& abdominal cramps. Adults are also affected. It is highly contagious in nature.

Interpretation(s)

CREATININE, SERUM-Higher than normal level may be due to:

- Blockage in the urinary tract
- Kidney problems, such as kidney damage or failure, infection, or reduced blood flow
- Loss of body fluid (dehydration)Muscle problems, such as breakdown of muscle fibers
- Problems during pregnancy, such as seizures (eclampsia)), or high blood pressure caused by pregnancy (preeclampsia)

Lower than normal level may be due to:

- · Myasthenia Gravis
- Muscular dystrophy

GLUCOSE, POST-PRANDIAL, PLASMA-High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycaemics & Insulin treatment, Renal Glyosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc.Additional test HbA1c GLUCOSE FASTING, FLUORIDE PLASMA-TEST DESCRIPTION

Normally, the glucose concentration in extracellular fluid is closely regulated so that a source of energy is readily available to tissues and sothat no glucose is excreted in the urine.

Increased in

Diabetes mellitus, Cushing's syndrome (10 - 15%), chronic pancreatitis (30%). Drugs:corticosteroids, phenytoin, estrogen, thiazides.

Pancreatic islet cell disease with increased insulin,insulinoma,adrenocortical insufficiency, hypopituitarism,diffuse liver disease, malignancy (adrenocortical, stomach,fibrosarcoma), infant of a diabetic mother, enzyme deficiency diseases(e.g., galactosemia),Drugs- insulin,

ethanol, propranolol; sulfonylureas,tolbutamide, and other oral hypoglycemic agents.

NOTE: While random serum glucose levels correlate with home glucose monitoring results (weekly mean capillary glucose values), there is wide fluctuation within individuals. Thus, glycosylated hemoglobin (HbA1c) levels are favored to monitor glycemic control.

High fasting glucose level in comparison to post prandial glucose level may be seen due to effect of Oral Hypoglycaemics & Insulin treatment, Renal Glyosuria, Glycaemic index & response to food consumed, Alimentary Hypoglycemia, Increased insulin response & sensitivity etc. GLYCOSYLATED HEMOGLOBIN(HBA1C), EDTA WHOLE BLOOD-Used For:

- .Evaluating the long-term control of blood glucose concentrations in diabetic patients.
- 2.Diagnosing diabetes.3.Identifying patients at increased risk for diabetes (prediabetes).

The ADA recommends measurement of HbA1c (typically 3-4 times per year for type 1 and poorly controlled type 2 diabetic patients, and 2 times per year for well-controlled type 2 diabetic patients) to determine whether a patients metabolic control has remained continuously within the target range.

- 1.eAG (Estimated average glucose) converts percentage HbA1c to md/dl, to compare blood glucose levels.
- eAG gives an evaluation of blood glucose levels for the last couple of months.
 eAG is calculated as eAG (mg/dl) = 28.7 * HbA1c 46.7

HbA1c Estimation can get affected due to :

I.Shortened Erythrocyte survival: Any condition that shortens erythrocyte survival or decreases mean erythrocyte age (e.g. recovery from acute blood loss, hemolytic anemia) will falsely lower HbA1c test results. Fructosamine is recommended in these patients which indicates diabetes control over 15 days II. Vitamin C & E are reported to falsely lower test results. (possibly by inhibiting glycation of hemoglobin.

III.Iron deficiency anemia is reported to increase test results. Hypertriglyceridemia, uremia, hyperbilirubinemia, chronic alcoholism, chronic ingestion of salicylates & opiates addiction are reported to interfere with some assay methods, falsely increasing results.

IV.Interference of hemoglobinopathies in HbA1c estimation is seen in a.Homozygous hemoglobinopathy. Fructosamine is recommended for testing of HbA1c. b.Heterozygous state detected (D10 is corrected for HbS & HbC trait.)

c.HbF > 25% on alternate paltform (Boronate affinity chromatography) is recommended for testing of HbA1c.Abnormal Hemoglobin electrophoresis (HPLC method) is recommended for detecting a hemoglobinopathy

TOTAL PROTEIN, SERUM-Serum total protein, also known as total protein, is a biochemical test for measuring the total amount of protein in serum.. Protein in the plasma is made up of albumin and globulin

Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom''''''s disease Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage),Burns,Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic



Page 12 Of 14 Scan to View Report

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PATIENT ID: **PATIENT NAME: AJITH P** AJITM3105874053

ACCESSION NO: 4053WC000942 AGE: 35 Years ARHA NO · SFX · Male

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syndrome, Protein-losing enteropathy etc

URIC ACID, SERUM-Causes of Increased levels:-Dietary(High Protein Intake, Prolonged Fasting, Rapid weight loss), Gout, Lesch nyhan syndrome, Type 2 DM, Metabolic syndrome

Causes of decreased levels-Low Zinc intake,OCP,Multiple Sclerosis ABO GROUP & RH TYPE, EDTA WHOLE BLOOD-

Blood group is identified by antigens and antibodies present in the blood. Antigens are protein molecules found on the surface of red blood cells. Antibodies are found in plasma. To determine blood group, red cells are mixed with different antibody solutions to give A,B,O or AB.

Disclaimer: "Please note, as the results of previous ABO and Rh group (Blood Group) for pregnant women are not available, please check with the patient records for availability of the same.

The test is performed by both forward as well as reverse grouping methods.

BLOOD COUNTS, EDTA WHOLE BLOOD-The cell morphology is well preserved for 24hrs. However after 24-48 hrs a progressive increase in MCV and HCT is observed leading to a decrease in MCHC. A direct smear is recommended for an accurate differential count and for examination of RBC morphology.

RBC AND PLATELET INDICES-Mentzer index (MCV/RBC) is an automated cell-counter based calculated screen tool to differentiate cases of Iron deficiency anaemia(>13)

from Beta thalassaemia trait

(<13) in patients with microcytic anaemia. This needs to be interpreted in line with clinical correlation and suspicion. Estimation of HbA2 remains the gold standard for diagnosing a case of beta thalassaemia trait.

WBC DIFFERENTIAL COUNT-The optimal threshold of 3.3 for NLR showed a prognostic possibility of clinical symptoms to change from mild to severe in COVID positive patients. When age = 49.5 years old and NLR = 3.3, 46.1% COVID-19 patients with mild disease might become severe. By contrast, when age < 49.5 years old and NLR < 3.3, COVID-19 patients tend to show mild disease.

(Reference to - The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients; A.-P. Yang, et al.; International Immunopharmacology 84 (2020) 106504 This ratio element is a calculated parameter and out of NABL scope.

ERYTHROCYTE SEDIMENTATION RATE (ESR), WHOLE BLOOD-TEST DESCRIPTION: Erythrocyte sedimentation rate (ESR) is a test that indirectly measures the degree of inflammation present in the body. The test actually measures the rate of fall (sedimentation) of erythrocytes in a sample of blood that has been placed into a tall, thin, vertical tube. Results are reported as the millimetres of clear fluid (plasma) that are present at the top portion of the tube after one hour. Nowadays fully automated instruments are available to measure ESR.

ESR is not diagnostic; it is a non-specific test that may be elevated in a number of different conditions. It provides general information about the presence of an inflammatory condition.CRP is superior to ESR because it is more sensitive and reflects a more rapid change.

TEST INTERPRETATION

Increase in: Infections, Vasculities, Inflammatory arthritis, Renal disease, Anemia, Malignancies and plasma cell dyscrasias, Acute allergy Tissue injury, Pregnancy, Estrogen medication, Aging.

Finding a very accelerated ESR(>100 mm/hour) in patients with ill-defined symptoms directs the physician to search for a systemic disease (Paraproteinemias, Disseminated malignancies, connective tissue disease, severe infections such as bacterial endocarditis).

In pregnancy BRI in first trimester is 0-48 mm/hr(62 if anemic) and in second trimester (0-70 mm /hr(95 if anemic). ESR returns to normal 4th week post partum.

Decreased in: Polycythermia vera, Sickle cell anemia

False elevated ESR: Increased fibrinogen, Drugs(Vitamin A, Dextran etc), Hypercholesterolemia False Decreased: Poikilocytosis, (SickleCells, spherocytes), Microcytosis, Low fibrinogen, Very high WBC counts, Drugs (Quinine, salicylates)

REFERENCE

1. Nathan and Oski's Haematology of Infancy and Childhood, 5th edition; 2. Paediatric reference intervals. AACC Press, 7th edition. Edited by S. Soldin; 3. The reference for the adult reference range is "Practical Haematology by Dacie and Lewis,10th edition. SUGAR URINE - POST PRANDIAL-METHOD: DIPSTICK/BENEDICT"S TEST SUGAR URINE - FASTING-METHOD: DIPSTICK/BENEDICT'S TEST









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

MEDIWHEEL HEALTH CHECKUP BELOW 40(M)2DECHO

ECG WITH REPORT

REPORT

COMPLETED

2D - ECHO WITH COLOR DOPPLER

REPORT

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

JINSHA KRISHNAN

LAB TECHNOLOGIST

NIMISHA K LAB TECHNOLOGIST

Virole

SREENA A LAB TECHNOLOGIST

Msc Medical Biochemistry







Name	Mr. AJITH.P	Age/Sex	35Yrs/Male
Ref: By:	MEDI WHEEL	Date	11.03.2023

ULTRASOUND SCAN OF ABDOMEN AND PELVIS

(With relevant image copies)

LIVER: Normal in size and shows diffusely increased echotexture. No e/o focal parenchymal lesions / IHBD. PV, HV & IVC are within normal limits.

GB: Contracted.

CBD: Normal

PANCREAS: Head and body visualized, and are of normal size and echotexture. No e/o focal/diffuse parenchymal lesions/ductal dilatation/calculi. Tail could not be visualized due to poor acoustic window.

SPLEEN: Normal in size and echotexture. Splenic vein shows normal diameter.

KIDNEYS: Both kidneys are normal in size and echotexture. No e/o calculi/

hydronephrosis/focal lesions/perinephric collections.

RIGHT KIDNEY: Measures 110 x 46 mms LEFT KIDNEY: Measures 109 x 51mms

UB: Moderately distended, shows normal wall thickness. No e/o calculi/ growth/

diverticulae. Both UV junctions are within normal limits.

PROSTATE: 18 cc, normal in size and echotexture.

No e/o intraperitoneal free fluid/ abdominal lymphadenopathy /mass lesion.

IMPRESSION:

- > GRADE I FATTY LIVER.
- > NO OTHER SONOLOGICALLY DETECTED ABNORMALITY.

Dr. P.NIYAZI NASIR MBBS, DMRD

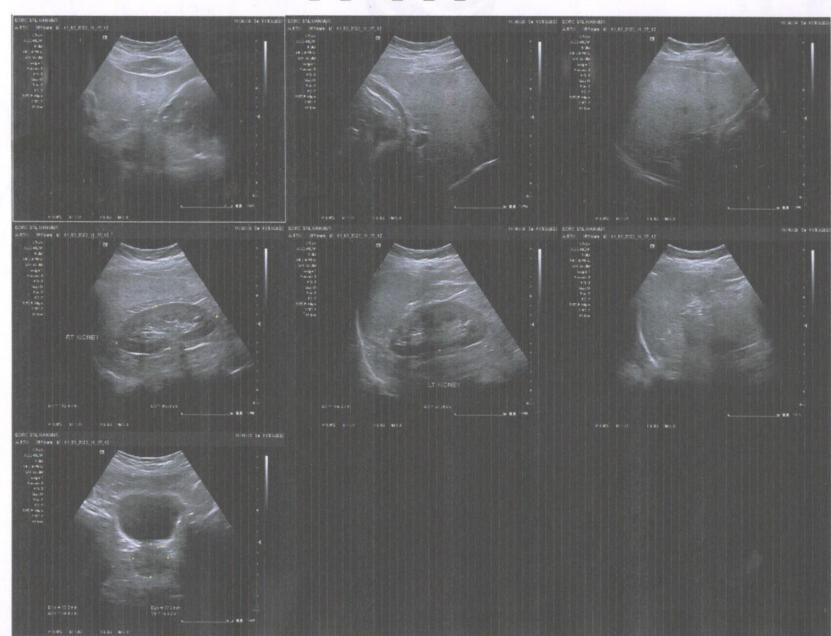
(Because of technical and technological limitation complete diagnosis cannot be assured on imaging sonography. Clinical correlation, consultation if required repeat imaging required in the event of controversies. This document is not for legal purposes).

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AJITH: 11_03_2023_11_37_12

20230311







Name	Mr. AJITH.P	Age/Sex	35Y/Male
Ref from:	MEDIWHEEL	Date	11.03.2023

Thanks for referral

CHEST X-RAY - PA VIEW

Trachea is central. Carina and principal bronchi are normal.

Cardio-thoracic ratio is within normal limits.

Both lungs show normal Broncho-vascular markings. No definite focal opacities noted.

No volume loss in either hemithorax.

No definite mediastinal widening or other abnormalities noted.

CP angles, diaphragm, bony cage and soft tissue shadows - not remarkable.

IMPRESSION:

Normal X-ray chest

DR. P. NIYAZI NASIR, MBBS, DMRD

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