

NAME : Mr. NAGARAJU K	MR NO. : 23080622
AGE/SEX : 52 Yrs / Male	VISIT NO. : 178594
REFERRED BY :	DATE OF COLLECTION : 16-08-2023 at 08:02 AM
REF CENTER : MEDIWHEEL	DATE OF REPORT : 16-08-2023 at 02:56 PM



TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
COMPLETE BLOOD COUNT (CBC) WITH ESR			
<i>Automated Cell Counter</i>			
HAEMOGLOBIN <i>Colorimetric Method</i>	16.7 gm/dL	13 - 18 gm/dL	EDTA WHOLE BLOOD
HEMATOCRIT (PCV) <i>Calculated</i>	50.1 %	40 - 54 %	EDTA WHOLE BLOOD
RED BLOOD CELL (RBC) COUNT <i>Electrical Impedance</i>	5.73 million/cu.mm	4.5 - 5.9 million/cu.mm	EDTA WHOLE BLOOD
PLATELET COUNT <i>Electrical Impedance</i>	1.64 Lakhs/cumm	1.5 - 4.5 Lakhs/cumm	EDTA WHOLE BLOOD
MEAN CELL VOLUME (MCV) <i>Calculated</i>	87.4 fl	80 - 100 fl	EDTA WHOLE BLOOD
Note : All normal and abnormal platelet counts are cross checked on peripheral smear.			
MEAN CORPUSCULAR HEMOGLOBIN (MCH) <i>Calculated</i>	30.5 pg	26 - 34 pg	EDTA WHOLE BLOOD
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC) <i>Calculated</i>	34.9 %	31 - 35 %	EDTA WHOLE BLOOD
TOTAL WBC COUNT (TC) <i>Electrical Impedance</i>	5480 cells/cumm	4000 - 11000 cells/cumm	EDTA WHOLE BLOOD
NEUTROPHILS <i>VCS Technology/Microscopic</i>	60 %	40 - 75 %	EDTA WHOLE BLOOD
LYMPHOCYTES <i>VCS Technology/Microscopic</i>	34 %	25 - 40 %	EDTA WHOLE BLOOD
DIFFERENTIAL COUNT			
EOSINOPHILS <i>VCS Technology/Microscopic</i>	02 %	0 - 7 %	EDTA WHOLE BLOOD
MONOCYTES <i>VCS Technology/Microscopic</i>	04 %	1 - 8 %	EDTA WHOLE BLOOD
ESR <i>Westergren Method</i>	05 mm/hr	0 - 15 mm/hr	EDTA WHOLE BLOOD



A. Vamseedhar

No. 79, Kendra Upadyayara Sangha Layout, Nagarbhavi Circle, Nagarbhavi, Bengaluru - 560 072

Enquiry: +91 99867 33 333, Appointments: +91 98863 55 135, Reports: +91 74565 11 118

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Email: info@mediclu.com

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(A Unit of Vijayalakshmi Diagnostics Pvt. Ltd.)

Diagnostics & Speciality Centre

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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
BLOOD GROUP & Rh TYPING <i>Tube Agglutination (Forward and Reverse)</i>	"A" Positive	A ₇	EDTA WHOLE BLOOD
GLYCATED HAEMOGLOBIN (HbA1C) <i>HPLC</i>	5.6 %	American Diabetic Association (ADA) recommendations: Non diabetic adults : <5.7 % At risk (Pre diabetic): 5.7 – 6.4% Diabetic : >= 6.5% Therapeutic goal for glycemic control : Goal for therapy: < 7.0% Action suggested: > 8.0%	EDTA WHOLE BLOOD
ESTIMATED AVERAGE GLUCOSE (eAG) <i>Calculation</i>	114.02 mg/dL		EDTA WHOLE BLOOD
Comments: This assay is useful for diagnosing Diabetes and evaluating long term control of blood glucose concentrations in diabetic patients. It reflects the mean glucose concentration over the previous period of 8 to 12 weeks and is a better indicator of long term glycemic control as compared with blood and urine glucose measurements. This provides an additional criterion for assessing glucose control because glycated hemoglobin values are free of day-to-day glucose fluctuation and are unaffected by exercise or food ingestion. After a sudden alteration in blood glucose concentration, the rate of change of HbA1c is rapid during initial 2 months, followed by more gradual change approaching steady state 3 months later.			
FASTING BLOOD SUGAR <i>Hexokinase</i>	100 mg/dl	70 - 110 mg/dl	PLASMA



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CONSULTANT PATHOLOGIST, KMC No. 50937

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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
URINE ROUTINE & MICROSCOPIC			
<i>Strips & Microscopy</i>			
PHYSICAL EXAMINATION			
Colour <i>Visual Method</i>	Pale Yellow	Pale yellow- yellow	
Appearance <i>Visual Method</i>	Clear	Clear/Transparent	
Specific Gravity <i>Strips Method</i>	1.010	1.005-1.035	
pH	6.0	4.6-8.5	
CHEMICAL EXAMINATION (DIPSTICK)			
Protein <i>Strips Method</i>	Nil	Nil -Trace	
Glucose <i>Strips Method</i>	Nil	Nil	
Blood <i>Strips Method</i>	Negative	Negative	
Ketone Bodies <i>Strips Method</i>	Absent	Negative	
Urobilinogen <i>Strips Method</i>	Normal	Normal	
Bile Salt <i>Strips Method</i>	Negative	Negative	
Bilirubin <i>Strips Method</i>	Negative	Negative	
Bile Pigments	Negative	NIL	
MICROSCOPY			
Pus Cells (WBC) <i>Light Microscopic</i>	1 - 2 /hpf	0-5/hpf	
Epithelial Cells <i>Light Microscopic</i>	3 - 4 /hpf	0-4/hpf	
RBC <i>Light Microscopic</i>	Not Seen /hpf	0-2/hpf	
Cast <i>Light Microscopic</i>	NIL	NIL	
Crystal <i>Light Microscopic</i>	NIL	Nil	
FASTING URINE SUGAR (FUS)	NIL	NIL	FASTING URINE
POSTPRANDIAL URINE SUGAR	NIL	NIL	URINE



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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
THYROID PROFILE			
TOTAL TRIIODOTHYRONINE (T3) <small>CMIA</small>	4.19 ng/mL	0.87 - 1.78 ng/mL	SERUM
TOTAL THYROXINE (T4) <small>CMIA</small>	7.71 µg/dL	6.09 - 12.23 µg/dL	SERUM
THYROID STIMULATING HORMONE (TSH) <small>CMIA</small>	5.88 µIU/mL	0.38 - 5.33 µIU/mL 1st Trimester: 0.05 - 3.70 2nd Trimester: 0.31 - 4.35 3rd Trimester: 0.41 - 5.18	SERUM

Note:

- TSH levels are subject to circadian variation, reaching peak levels between 2 - 4 a.m. and at a minimum between 6-10 pm. The variation is of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations.
- Recommended test for T3 and T4 is unbound fraction or free levels as it is metabolically active.
- Physiological rise in Total T3 / T4 levels is seen in pregnancy and in patients on steroid therapy.

Clinical Use:

- Primary Hypothyroidism
- Hyperthyroidism
- Hypothalamic - Pituitary hypothyroidism
- Inappropriate TSH secretion
- Nonthyroidal illness
- Autoimmune thyroid disease
- Pregnancy associated thyroid disorders
- Thyroid dysfunction in infancy and early childhood

PROSTATIC SPECIFIC ANTIGEN (PSA)

PROSTATIC SPECIFIC ANTIGEN (PSA) <small>ECLIA</small>	0.60 ng/mL	Up to 4ng/mL: Normal 4-10 ng/mL Hypertrophy & benign genito urinary conditions. >10 ng/mL Suspicious of malignancy.	SERUM
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PSA is used for monitoring patients with a history of prostate cancer and as an early indicator of recurrence and response to treatment. The test is commonly used for Prostate cancer screening.



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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
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Dispatched by: KIRAN

**** End of Report ****

Printed by: Prema on 16-08-2023 at 04:56 PM



A. Hamsarath

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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
LIPID PROFILE TEST <i>Spectrometry</i>			
TOTAL CHOLESTEROL <i>Cholesterol Oxidase-Peroxidase (CHOD-POD)</i>	257 mg/dL	up to 200 mg/dL Border Line: 200 – 240 mg/dL High: > 240 mg/dL	SERUM
TRIGLYCERIDES <i>Glycerol Peroxidase-Peroxidase (GPO-POD)</i>	137.2 mg/dL	up to 150 mg/dL Desirable: <150 mg/dL Border Line: 150 – 200 mg/dL High: >200 – 500 mg/dL Very High: > 500 mg/dL	SERUM
HDL CHOLESTEROL - DIRECT <i>PEG-Cholesterol Esterase</i>	53.8 mg/dL	40 - 60 mg/dl >= 60mg/dL - Excellent (protects against heart disease) 40-59 mg/dL - Higher the better <40 mg/dL - Lower than desired (major risk for heart disease)	SERUM
LDL CHOLESTEROL - DIRECT <i>Cholesterol Esterase-Cholesterol Oxidase</i>	175.8 mg/dL	up to 100 mg/dL 100-129 mg/dL- Near optimal/above optimal 130-159 mg/dL- Borderline High 160-189 mg/dL- High 190->190 mg/dL - Very High	SERUM
VLDL CHOLESTEROL <i>Calculation</i>	27.4 mg/dL	2 - 30 mg/dL	SERUM
TOTAL CHOLESTROL/HDL RATIO <i>Calculation</i>	4.8	up to 3.5 3.5-5.0 - Moderate >5.0 - High	SERUM
LDL/HDL RATIO <i>Calculation</i>	3.3	up to 2.5 2.5-3.3 - Moderate >3.3 - High	SERUM



A. Hanumanth

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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
LIVER FUNCTION TEST (LFT)			
<i>Spectrometry</i>			
TOTAL BILIRUBIN <i>Colorimetric Diazo Method</i>	0.72 mg/dL	0.2 - 1.2 mg/dL	SERUM
DIRECT BILIRUBIN <i>Colorimetric Diazo Method</i>	0.26 mg/dL	0 - 0.4 mg/dL	SERUM
INDIRECT BILIRUBIN <i>Calculation</i>	0.46 mg/dl	0.2 - 0.8 mg/dl	SERUM
S G O T (AST) <i>IFCC Without Pyridoxal Phosphates</i>	17 U/L	up to 35 U/L	SERUM
S G P T (ALT) <i>IFCC Without Pyridoxal Phosphates</i>	21.7 U/L	up to 50 U/L	SERUM
ALKALINE PHOSPHATASE <i>p-Nitrophenyl Phosphate</i>	51 U/L	36 - 113 U/L	SERUM
SERUM GAMMA GLUTAMYLTRANSFERASE (GGT) <i>GCNA-IFCC</i>	22.7 U/L	15 - 85 U/L	SERUM
TOTAL PROTEIN <i>Biuret Colorimetric</i>	7.0 g/dl	6.2 - 8 g/dl	SERUM
S.ALBUMIN <i>Bromocresol Green (BCG)</i>	4.0 g/dl	3.5 - 5.2 g/dl	SERUM
S.GLOBULIN <i>Calculation</i>	3 g/dl	2.5 - 3.8 g/dl	SERUM
A/G RATIO <i>Calculation</i>	1.3	1 - 1.5	SERUM
BLOOD UREA <i>UREASE-GLUTAMATE DEHYDROGENASE (GLDH)</i>	16 mg/dL	15 - 50 mg/dL	SERUM
CREATININE <i>Jaffe Kinetic</i>	0.88 mg/dL	0.4 - 1.4 mg/dL	SERUM
URIC ACID <i>Uricase-Peroxidase</i>	5.3 mg/dL	3 - 7.2 mg/dL	SERUM
SERUM ELECTROLYTES			
SODIUM <i>Ion Selective Electrode (ISE)</i>	142 mmol/L	136 - 145 mmol/L	SERUM
POTASSIUM <i>Ion Selective Electrode (ISE)</i>	4.09 mmol/L	3.5 - 5.2 mmol/L	SERUM
CHLORIDE <i>Ion Selective Electrode (ISE)</i>	102 mmol/L	97 - 111 mmol/L	SERUM
POST PRANDIAL BLOOD SUGAR <i>Hexokinase</i>	134.0 mg/dl	80 - 150 mg/dl	PLASMA - PP



A. Vasudha

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REFERRED BY	:	BILL NO	: 210579
REF CENTER	: MEDIWHEEL	DATE OF REPORT	: 16-08-2023 at 12:01 PM

X-RAY REPORT- CHEST PA VIEW

OBSERVATIONS:

Trachea is in midline.

Mediastinum and cardiac silhouette appears normal.

Bilateral lung fields appear normal.

Bilateral costo-phrenic and cardio-phrenic angles are clear.

Both the hila appear normal.

Visualized bones appear normal.

Visualized soft tissue shadow appears normal.

IMPRESSION:

•No significant abnormality detected.

Dispatched by: Soundarya

**** End of Report ****

Printed by: Prema on 16-08-2023 at 05:37 PM

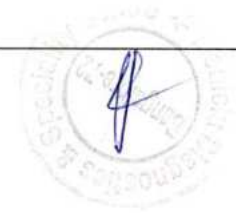


TRANS THORACIC 2D ECHO - DOPPLER STUDY

NAME:	Mr. NAGARAJU K	DATE:	16-08-2023
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GENDER:	MALE	REFERRED BY:	MEDIWHEEL

M-Mode		
AORTA	26	mm
LEFT ARTIUM	30	mm
RIGHT VENTRICLE(Diastole)	19	mm
LVID (Diastole)	44	mm
LVID (Systole)	26	mm
INTERVENTRICULAR SEPTUM (Diastole)	09	mm
L V POSTERIOR WALL (Diastole)	08	mm
L V MASS	135	grms
FRACTIONAL SHORTENING	30	%
EJECTION FRACTION	60	%

DOPPLER / COLOR FLOW				
MITRAL VALVE	E- 0.8	A - 0.6	m/sec	NO MR
AORTIC VALVE	1.0	-	m/sec	NO AR
TRICUSPID VALVE	E- 0.4	A - 0.2	m/sec	NO TR
PULMONARY VALVE	0.8	-	m/sec	NO PR



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USG REPORT - ABDOMEN AND PELVIS

OBSERVATION:

LIVER:

Liver is normal in size (13.1 cm) **shows mild diffuse increase in echotexture**. No obvious focal lesion is seen. Intrahepatic biliary radicles not dilated. Hepatic & portal veins are normal.

GALL BLADDER:

Is partially distended at the time of scan. Lumen echo free. Wall thickness is normal. CBD is normal.

PANCREAS:

Completely obscured by gastric air shadow - could not be evaluated.

SPLEEN:

Normal in size (7.3 cm) with normal echotexture. No focal lesion is seen.

RIGHT KIDNEY:

Right kidney measures ~ 9.8 x 4.4 cm (CC x AP) with normal echo pattern and cortical thickness.

The shape, size and contour of the right kidney appear normal.

Cortical medullary differentiation is maintained.

No evidence of pelvicalyceal dilatation. No sonologically detectable calculi seen.

LEFT KIDNEY:

Left kidney measures ~ 10.5 x 5.0 cm (CC x AP) with normal echo pattern and cortical thickness.

The shape, size and contour of the left kidney appear normal.

Cortical medullary differentiation is maintained.

No evidence of pelvicalyceal dilatation. No sonologically detectable calculi seen.



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GENDER:	MALE	REFERRED BY:	MEDIWHEEL

USG REPORT - ABDOMEN AND PELVIS

URINARY BLADDER:

Is normal in contour. No intraluminal echoes are seen. No calculus or diverticulum is seen.

PROSTATE:

Is normal in size (Vol-14.2 cc) with normal echo pattern.

Visualized small bowel loops are normal in caliber and peristalsis.

No evidence of free fluid in the pelvic or abdominal cavity.

IMPRESSION:

- **Grade I fatty changes in liver.**
- **No other significant sonographic abnormality detected.**

Pooja A.B.

Dr. POOJA .A.B.
MBBS, MD Radiodiagnosis
Consultant Radiologist



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RADIOLOGY

USG REPORT - ABDOMEN AND PELVIS

OBSERVATION:

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Liver is normal in size (13.1 cm) **shows mild diffuse increase in echotexture**. No obvious focal lesion is seen. Intrahepatic biliary radicles not dilated. Hepatic & portal veins are normal.

GALL BLADDER:

Is partially distended at the time of scan. Lumen echo free. Wall thickness is normal.
CBD is normal.

PANCREAS:

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SPLEEN:

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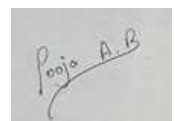
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Left kidney measures ~ 10.5 x 5.0 cm (CC x AP) with normal echo pattern and cortical thickness.
The shape, size and contour of the left kidney appear normal.
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URINARY BLADDER:

Is normal in contour. No intraluminal echoes are seen. No calculus or diverticulum is seen.



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PROSTATE:

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Visualized small bowel loops are normal in caliber and peristalsis.


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IMPRESSION:

- **Grade I fatty changes in liver.**
- **No other significant sonographic abnormality detected.**



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HAEMATOLOGY

COMPLETE BLOOD COUNT (CBC) WITH ESR

Automated Cell Counter

HAEMOGLOBIN <i>Colorimetric Method</i>	16.7 gm/dL	13 - 18 gm/dL
HEMATOCRIT (PCV) <i>Calculated</i>	50.1 %	40 - 54 %
RED BLOOD CELL (RBC) COUNT <i>Electrical Impedance</i>	5.73 million/cu.mm	4.5 - 5.9 million/cu.mm
PLATELET COUNT <i>Electrical Impedance</i>	1.64 Lakhs/cumm	1.5 - 4.5 Lakhs/cumm
MEAN CELL VOLUME (MCV) <i>Calculated</i>	87.4 fl	80 - 100 fl

Note : All normal and abnormal platelet counts are cross checked on peripheral smear.

MEAN CORPUSCULAR HEMOGLOBIN (MCH) <i>Calculated</i>	30.5 pg	26 - 34 pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC) <i>Calculated</i>	34.9 %	31 - 35 %
TOTAL WBC COUNT (TC) <i>Electrical Impedance</i>	5480 cells/cumm	4000 - 11000 cells/cumm
NEUTROPHILS <i>VCS Technology/Microscopic</i>	60 %	40 - 75 %
LYMPHOCYTES <i>VCS Technology/Microscopic</i>	34 %	25 - 40 %

DIFFERENTIAL COUNT

EOSINOPHILS <i>VCS Technology/Microscopic</i>	02 %	0 - 7 %
MONOCYTES <i>VCS Technology/Microscopic</i>	04 %	1 - 8 %
ESR <i>Westergren Method</i>	05 mm/hr	0 - 15 mm/hr

BLOOD GROUP & Rh TYPING <i>Tube Agglutination (Forward and Reverse)</i>	"A" Positive
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Lab Seal



Dr. VAMSEEDHAR.A

D.C.P, M.D

CONSULTANT PATHOLOGIST, KMC No : 50937

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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
GLYCATED HAEMOGLOBIN (HbA1C) <i>HPLC</i>	5.6 %	American Diabetic Association (ADA) recommendations: Non diabetic adults : <5.7 % At risk (Pre diabetic): 5.7 – 6.4% Diabetic : >= 6.5% Therapeutic goal for glycemc control : Goal for therapy: < 7.0% Action suggested: > 8.0%	

ESTIMATED AVERAGE GLUCOSE (eAG) 114.02 mg/dL
Calculation

Comments:

This assay is useful for diagnosing Diabetes and evaluating long term control of blood glucose concentrations in diabetic patients. It reflects the mean glucose concentration over the previous period of 8 to 12 weeks and is a better indicator of long term glycemc control as compared with blood and urine glucose measurements. This provides a additional criterion for assessing glucose control because glycated hemoglobin values are free of day-to-day glucose fluctuation and are unaffected by exercise or food ingestion.

After a sudden alteration in blood glucose concentration, the rate of change of HbA1c is rapid during initial 2 months, followed by more gradual change approaching steady state 3 months later.

CLINICAL BIOCHEMISTRY

POST PRANDIAL BLOOD SUGAR 134.0 mg/dl 80 - 150 mg/dl
Hexokinase



Lab Seal




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D.C.P, M.D

CONSULTANT PATHOLOGIST, KMC No : 50937

Diagnosics & Speciality Centre

NAME : Mr. NAGARAJU K	MR NO. : 23080622
AGE/SEX : 52 Yrs / Male	VISIT NO. : 178594
REFERRED BY :	DATE OF COLLECTION : 16-08-2023 at 08:02 AM
	DATE OF REPORT : 16-08-2023 at 02:56 PM
REF CENTER : MEDIWHEEL	

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
LIVER FUNCTION TEST (LFT)			
<i>Spectrometry</i>			
TOTAL BILIRUBIN <i>Colorimetric Diazo Method</i>	0.72 mg/dL	0.2 - 1.2 mg/dL	
DIRECT BILIRUBIN <i>Colorimetric Diazo Method</i>	0.26 mg/dL	0 - 0.4 mg/dL	
INDIRECT BILIRUBIN <i>Calculation</i>	0.46 mg/dl	0.2 - 0.8 mg/dl	
S G O T (AST) <i>IFCC Without Pyridoxal Phosphates</i>	17 U/L	up to 35 U/L	
S G P T (ALT) <i>IFCC Without Pyridoxal Phosphates</i>	21.7 U/L	up to 50 U/L	
ALKALINE PHOSPHATASE <i>p-Nitrophenyl Phosphate</i>	51 U/L	36 - 113 U/L	
SERUM GAMMA GLUTAMYLTRANSFERASE (GGT) <i>GCNA-IFCC</i>	22.7 U/L	15 - 85 U/L	
TOTAL PROTEIN <i>Biuret Colorimetric</i>	7.0 g/dl	6.2 - 8 g/dl	
S.ALBUMIN <i>Bromocresol Green (BCG)</i>	4.0 g/dl	3.5 - 5.2 g/dl	
S.GLOBULIN <i>Calculation</i>	3 g/dl	2.5 - 3.8 g/dl	
A/G RATIO <i>Calculation</i>	1.3	1 - 1.5	
BLOOD UREA <i>UREASE-GLUTAMATE DEHYDROGENASE (GLDH)</i>	16 mg/dL	15 - 50 mg/dL	
CREATININE <i>Jaffe Kinetic</i>	0.88 mg/dL	0.4 - 1.4 mg/dL	
URIC ACID <i>Uricase-Peroxidase</i>	5.3 mg/dL	3 - 7.2 mg/dL	
SERUM ELECTROLYTES			
SODIUM <i>Ion Selective Electrode (ISE)</i>	142 mmol/L	136 - 145 mmol/L	
POTASSIUM <i>Ion Selective Electrode (ISE)</i>	4.09 mmol/L	3.5 - 5.2 mmol/L	
CHLORIDE <i>Ion Selective Electrode (ISE)</i>	102 mmol/L	97 - 111 mmol/L	



Lab Seal




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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
LIPID PROFILE TEST			
<i>Spectrometry</i>			
TOTAL CHOLESTEROL <i>Cholesterol Oxidase-Peroxidase (CHOD-POD)</i>	257 mg/dL	up to 200 mg/dL Border Line: 200 – 240 mg/dL High: > 240 mg/dL	
TRIGLYCERIDES <i>Glycerol Peroxidase-Peroxidase (GPO-POD)</i>	137.2 mg/dL	up to 150 mg/dL Desirable: <150 mg/dL Border Line: 150 – 200 mg/dL High: >200 – 500 mg/dL Very High: > 500 mg/dL	
HDL CHOLESTEROL - DIRECT <i>PEG-Cholesterol Esterase</i>	53.8 mg/dl	40 - 60 mg/dl >= 60mg/dL - Excellent (protects against heart disease) 40-59 mg/dL - Higher the better <40 mg/dL - Lower than desired (major risk for heart disease)	
LDL CHOLESTEROL - DIRECT <i>Cholesterol Esterase-Cholesterol Oxidase</i>	175.8 mg/dL	up to 100 mg/dL 100-129 mg/dL- Near optimal/above optimal 130-159 mg/dL- Borderline High 160-189 mg/dL- High 190->190 mg/dL - Very High	
VLDL CHOLESTEROL <i>Calculation</i>	27.4 mg/dL	2 - 30 mg/dL	
TOTAL CHOLESTROL/HDL RATIO <i>Calculation</i>	4.8	up to 3.5 3.5-5.0 - Moderate >5.0 - High	
LDL/HDL RATIO <i>Calculation</i>	3.3	up to 2.5 2.5-3.3 - Moderate >3.3 - High	
FASTING BLOOD SUGAR <i>Hexokinase</i>	100 mg/dl	70 - 110 mg/dl	



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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
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CLINICAL PATHOLOGY

URINE ROUTINE & MICROSCOPIC

Strips & Microscopy

PHYSICAL EXAMINATION

Colour <i>Visual Method</i>	Pale Yellow	Pale yellow- yellow
Appearance <i>Visual Method</i>	Clear	Clear/Transparent
Specific Gravity <i>Strips Method</i>	1.010	1.005-1.035
pH	6.0	4.6-8.5

CHEMICAL EXAMINATION (DIPSTICK)

Protein <i>Strips Method</i>	Nil	Nil -Trace
Glucose <i>Strips Method</i>	Nil	Nil
Blood <i>Strips Method</i>	Negative	Negative
Ketone Bodies <i>Strips Method</i>	Absent	Negative
Urobilinogen <i>Strips Method</i>	Normal	Normal
Bile Salt <i>Strips Method</i>	Negative	Negative
Bilirubin <i>Strips Method</i>	Negative	Negative
Bile Pigments	Negative	NIL

MICROSCOPY

Pus Cells (WBC) <i>Light Microscopic</i>	1 - 2 /hpf	0-5/hpf
Epithelial Cells <i>Light Microscopic</i>	3 - 4 /hpf	0-4/hpf
RBC <i>Light Microscopic</i>	Not Seen /hpf	0-2/hpf
Cast <i>Light Microscopic</i>	NIL	NIL
Crystal <i>Light Microscopic</i>	NIL	Nil

FASTING URINE SUGAR (FUS)	NIL	NIL
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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
POSTPRANDIAL URINE SUGAR	NIL	NIL	

IMMUNOASSAY

THYROID PROFILE

TOTAL TRIIODOTHYRONINE (T3) <small>CMIA</small>	1.19 ng/mL	0.87 - 1.78 ng/mL
TOTAL THYROXINE (T4) <small>CMIA</small>	7.71 µg/dL	6.09 - 12.23 µg/dL
THYROID STIMULATING HORMONE (TSH) <small>CMIA</small>	5.88 µIU/mL	0.38 - 5.33 µIU/mL 1st Trimester: 0.05 - 3.70 2nd Trimester: 0.31 - 4.35 3rd Trimester: 0.41 - 5.18

Note:

- TSH levels are subject to circadian variation, reaching peak levels between 2 - 4.a.m. and at a minimum between 6-10 pm. The variation is of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations.
- Recommended test for T3 and T4 is unbound fraction or free levels as it is metabolically active.
- Physiological rise in Total T3 / T4 levels is seen in pregnancy and in patients on steroid therapy.

Clinical Use:

- Primary Hypothyroidism
- Hyperthyroidism
- Hypothalamic - Pituitary hypothyroidism
- Inappropriate TSH secretion
- Nonthyroidal illness
- Autoimmune thyroid disease
- Pregnancy associated thyroid disorders
- Thyroid dysfunction in infancy and early childhood




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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
PROSTATIC SPECIFIC ANTIGEN (PSA) <i>ECLIA</i>			
PROSTATIC SPECIFIC ANTIGEN (PSA) <i>CMIA</i>	0.60 ng/mL	Up to 4ng/mL: Normal 4-10 ng/mL Hypertrophy & benign genito urinary conditions. >10 ng/mL Suspicious of malignancy.	

PSA is used for monitoring patients with a history of prostate cancer and as an early indicator of recurrence and response to treatment. The test is commonly used for Prostate cancer screening.

Dispatched by: KIRAN

**** End of Report ****

Printed by: Kiran kumar H P on 16-08-2023 at 02:57 PM



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REFERRED BY :
REF CENTER : MEDIWHEEL

MR/VISIT NO : 23080622 / 178594
BILLED TIME : 16-08-2023 at 08:00 AM
BILL NO : 210579
DATE OF REPORT : 16-08-2023 at 12:01 PM

RADIOLOGY

X-RAY REPORT- CHEST PA VIEW

OBSERVATIONS:

Trachea is in midline.

Mediastinum and cardiac silhouette appears normal.

Bilateral lung fields appear normal.

Bilateral costo-phrenic and cardio-phrenic angles are clear.

Both the hila appear normal.

Visualized bones appear normal.

Visualized soft tissue shadow appears normal.

IMPRESSION:

• No significant abnormality detected.

