


Diagnosics & Speciality Centre

NAME : Mr. AJAY S R	MR NO. : 23030653
AGE/SEX : 33 Yrs / Male	VISIT NO. : 171745
REFERRED BY :	DATE OF COLLECTION : 25-03-2023 at 08:29 AM
	DATE OF REPORT : 25-03-2023 at 02:08 PM
REF CENTER : MEDIWHEEL	

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
----------------	--------	-----------------	----------

HAEMATOLOGY

COMPLETE BLOOD COUNT (CBC) WITH ESR

Automated Cell Counter

HAEMOGLOBIN <i>Colorimetric Method</i>	17.9 gm/dL	13 - 18 gm/dL
HEMATOCRIT (PCV) <i>Calculated</i>	51.6 %	40 - 54 %
RED BLOOD CELL (RBC) COUNT <i>Electrical Impedance</i>	5.9 million/cu.mm	4.5 - 5.9 million/cu.mm
PLATELET COUNT <i>Electrical Impedance</i>	4.3 Lakhs/cumm	1.5 - 4.5 Lakhs/cumm
MEAN CELL VOLUME (MCV) <i>Calculated</i>	88.1 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>	34.6 %	31 - 35 %
TOTAL WBC COUNT (TC) <i>Electrical Impedance</i>	10620.0 cells/cumm	4000 - 11000 cells/cumm
NEUTROPHILS <i>VCS Technology/Microscopic</i>	47 %	40 - 75 %
LYMPHOCYTES <i>VCS Technology/Microscopic</i>	40 %	25 - 40 %
DIFFERENTIAL COUNT		
EOSINOPHILS <i>VCS Technology/Microscopic</i>	06 %	0 - 7 %
MONOCYTES <i>VCS Technology/Microscopic</i>	07 %	1 - 8 %
BASOPHILS <i>Electrical Impedance</i>	00 %	
ESR <i>Westergren Method</i>	10 mm/hr	0 - 15 mm/hr
BLOOD GROUP & Rh TYPING <i>Tube Agglutination (Forward and Reverse)</i>	"O" Positive	

Krishna M.




A. Vamseedhar

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

Diagnosics & Speciality Centre

NAME	: Mr. AJAY S R	MR NO.	: 23030653
AGE/SEX	: 33 Yrs / Male	VISIT NO.	: 171745
REFERRED BY :		DATE OF COLLECTION	: 25-03-2023 at 08:29 AM
		DATE OF REPORT	: 25-03-2023 at 02:08 PM
REF CENTER	: MEDIWHEEL		

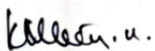
TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
GLYCATED HAEMOGLOBIN (HbA1C) <i>HPLC</i>	5.4 %	American Diabetic Association (ADA) recommendations: Non diabetic adults : <5.7 % At risk (Pre diabetic): 5.7 – 6.4% Diabetic : >= 6.5% Therapeutic goal for glycemic control : Goal for therapy: < 7.0% Action suggested: > 8.0%	

ESTIMATED AVERAGE GLUCOSE (eAG) 108.28 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 glycemic 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.

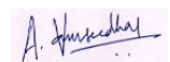
After a sudden alteration in blood glucose concentration, the rate of change of HbA1c is rapid during initial 2 months, followed by more gradual change approaching steady state 3 months later.



Dr. KRISHNA MURTHY
MD
BIOCHEMIST




Lab Seal



Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

Diagnosics & Speciality Centre

NAME : Mr. AJAY S R	MR NO. : 23030653
AGE/SEX : 33 Yrs / Male	VISIT NO. : 171745
REFERRED BY :	DATE OF COLLECTION : 25-03-2023 at 08:29 AM
	DATE OF REPORT : 25-03-2023 at 02:08 PM
REF CENTER : MEDIWHEEL	

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
----------------	--------	-----------------	----------

CLINICAL BIOCHEMISTRY

LIVER FUNCTION TEST (LFT)

Spectrometry

TOTAL BILIRUBIN 1.32 mg/dL 0.2 - 1.2 mg/dL
Colorimetric Diazo Method

DIRECT BILIRUBIN 0.41 mg/dL 0 - 0.4 mg/dL
Colorimetric Diazo Method

INDIRECT BILIRUBIN 0.91 mg/dl 0.2 - 0.8 mg/dl
Calculation

S G O T (AST) 26 U/L up to 35 U/L
IFCC Without Pyridoxal Phosphates

S G P T (ALT) 25.4 U/L up to 50 U/L
IFCC Without Pyridoxal Phosphates

ALKALINE PHOSPHATASE 80 U/L 36 - 113 U/L
p-Nitrophenyl Phosphate

SERUM GAMMA GLUTAMYLTRANSFERASE (GGT) 32.6 U/L 15 - 85 U/L
GCNA-IFCC

TOTAL PROTEIN 6.82 g/dl 6.2 - 8 g/dl
Biuret Colorimetric

S.ALBUMIN 4.45 g/dl 3.5 - 5.2 g/dl
Bromocresol Green (BCG)

S.GLOBULIN 2.4 g/dl 2.5 - 3.8 g/dl
Calculation

A/G RATIO 1.9 1 - 1.5
Calculation

POST PRANDIAL BLOOD SUGAR 134.7 mg/dl 80 - 150 mg/dl
Hexokinase

BLOOD UREA 25.4 mg/dL 15 - 50 mg/dL
UREASE-GLUTAMATE DEHYDROGENASE (GLDH)

CREATININE 0.87 mg/dL 0.4 - 1.4 mg/dL
Jaffe Kinetic

URIC ACID 7.1 mg/dL 3 - 7.2 mg/dL
Uricase-Peroxidase

SERUM ELECTROLYTES

SODIUM 142 mmol/L 136 - 145 mmol/L
Ion Selective Electrode (ISE)

POTASSIUM 4.57 mmol/L 3.5 - 5.2 mmol/L
Ion Selective Electrode (ISE)

CHLORIDE 105 mmol/L 97 - 111 mmol/L
Ion Selective Electrode (ISE)

Krishna M.




A. Vamseedhar

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

Diagnosics & Speciality Centre

NAME : Mr. AJAY S R	MR NO. : 23030653
AGE/SEX : 33 Yrs / Male	VISIT NO. : 171745
REFERRED BY :	DATE OF COLLECTION : 25-03-2023 at 08:29 AM
	DATE OF REPORT : 25-03-2023 at 02:08 PM
REF CENTER : MEDIWHEEL	

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
LIPID PROFILE TEST			
<i>Spectrometry</i>			
TOTAL CHOLESTEROL <i>Cholesterol Oxidase-Peroxidase (CHOD-POD)</i>	211 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>	161.7 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>	46.7 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>	132.0 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>	32.3 mg/dL	2 - 30 mg/dL	
TOTAL CHOLESTROL/HDL RATIO <i>Calculation</i>	4.5	up to 3.5 3.5-5.0 - Moderate >5.0 - High	
LDL/HDL RATIO <i>Calculation</i>	2.8	up to 2.5 2.5-3.3 - Moderate >3.3 - High	
FASTING BLOOD SUGAR <i>Hexokinase</i>	103 mg/dl	70 - 110 mg/dl	

Krishna M.




A. Vamseedhar

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

Diagnosics & Speciality Centre

NAME : Mr. AJAY S R	MR NO. : 23030653
AGE/SEX : 33 Yrs / Male	VISIT NO. : 171745
REFERRED BY :	DATE OF COLLECTION : 25-03-2023 at 08:29 AM
	DATE OF REPORT : 25-03-2023 at 02:08 PM
REF CENTER : MEDIWHEEL	

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
----------------	--------	-----------------	----------

CLINICAL PATHOLOGY

URINE ROUTINE & MICROSCOPIC

Strips & Microscopy

PHYSICAL EXAMINATION

Colour <i>Visual Method</i>	Pale Yellow	Pale yellow- yellow
Appearance <i>Visual Method</i>	Slightly Turbid	Clear/Transparent
Specific Gravity <i>Strips Method</i>	1.030	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>	8 - 10 /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
---------------------------	-----	-----

Krishna M.




A. Vamseedhar

Dr. KRISHNA MURTHY
MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

Diagnosics & Speciality Centre

NAME	: Mr. AJAY S R	MR NO.	: 23030653
AGE/SEX	: 33 Yrs / Male	VISIT NO.	: 171745
REFERRED BY :		DATE OF COLLECTION	: 25-03-2023 at 08:29 AM
		DATE OF REPORT	: 25-03-2023 at 02:08 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
POSTPRANDIAL URINE SUGAR	NIL	NIL	

IMMUNOASSAY

THYROID PROFILE

TOTAL TRIIODOTHYRONINE (T3) <small>CMIA</small>	0.93 ng/mL	0.87 - 1.78 ng/mL
TOTAL THYROXINE (T4) <small>CMIA</small>	8.31 µg/dL	6.09 - 12.23 µg/dL
THYROID STIMULATING HORMONE (TSH) <small>CMIA</small>	5.100 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

Krishna M.



Lab Seal


A. Vamseedhar

Dr. KRISHNA MURTHY

MD
BIOCHEMIST

Dr. VAMSEEDHAR.A

D.C.P, M.D
CONSULTANT PATHOLOGIST

NAME : **Mr. AJAY S R** MR NO. : 23030653
AGE/SEX : 33 Yrs / Male VISIT NO. : 171745
REFERRED BY : DATE OF COLLECTION : 25-03-2023 at 08:29 AM
DATE OF REPORT : 25-03-2023 at 02:08 PM
REF CENTER : MEDIWHEEL 

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
PROSTATIC SPECIFIC ANTIGEN (PSA) <i>ECLIA</i>			
PROSTATIC SPECIFIC ANTIGEN (PSA) <i>CMIA</i>	0.40 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 25-03-2023 at 02:08 PM



Krishna Murthy

Dr. KRISHNA MURTHY
MD
BIOCHEMIST



Lab Seal

A. Vamseedhar

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

NAME	: Mr. AJAY S R	MR/VISIT NO	: 23030653 / 171745
AGE/SEX	: 33 Yrs / Male	BILLED TIME	: 25-03-2023 at 08:26 AM
REFERRED BY	:	BILL NO	: 203656
REF CENTER	: MEDIWHEEL	DATE OF REPORT	: 25-03-2023 at 11:00 AM

RADIOLOGY

X-RAY REPORT- CHEST (PA VIEW)

FINDINGS:

Prominent hilar and Bronchovascular markings in bilateral lung fields. (*Suggested clinical correlation*).

CP angles are clear.

Cardiac diameter is within normal limits.

Trachea is midline.

Visible bony thoracic cage is normal.

Adjacent soft tissues appear normal.



NAME : **Mr. AJAY S R**
AGE/SEX : 33 Yrs / Male
REFERRED BY :
REF CENTER : MEDIWHEEL

MR/VISIT NO : 23030653 / 171745
BILLED TIME : 25-03-2023 at 08:26 AM
BILL NO : 203656
DATE OF REPORT : 25-03-2023 at 02:57 PM

RADIOLOGY

USG REPORT - ABDOMEN AND PELVIS

OBSERVATION:

LIVER:

Liver is normal in size (15.5 cm) and shows moderate diffuse increase in echotexture.
No obvious focal lesion is seen. Intrahepatic biliary radicles not dilated. Hepatic and portal veins are normal. CBD is normal.

GALL BLADDER:

Normal in distension. Lumen echo free. Wall thickness is normal.

PANCREAS:

Head and body visualized appears normal. No focal lesion is seen. Pancreatic duct not dilated. Tail not visualized.

SPLEEN:

Normal in size (11.3 cm) with homogenous echotexture. No focal lesion seen.

RIGHT KIDNEY:

Right kidney measures ~ 10.9 x 1.3 cm (length x parenchymal thickness) with normal echo pattern and cortical thickness.

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

Cortico- medullary differentiation is maintained.

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

LEFT KIDNEY:

Left kidney measures ~ 10.8 x 1.5 cm (length x parenchymal thickness) with normal echo pattern and cortical thickness.

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

Cortico-medullary differentiation is maintained.

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

URINARY BLADDER:

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

Diagnostics & Speciality Centre

NAME	: Mr. AJAY S R	MR/VISIT NO	: 23030653 / 171745
AGE/SEX	: 33 Yrs / Male	BILLED TIME	: 25-03-2023 at 08:26 AM
REFERRED BY	:	BILL NO	: 203656
REF CENTER	: MEDIWHEEL	DATE OF REPORT	: 25-03-2023 at 02:57 PM

PROSTATE:

Is normal in size (Volume – 17.1 cc) with normal echo pattern. No focal lesion is seen.

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

IMPRESSION:

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

Note: All abnormalities cannot be detected by Ultrasound scan due to technical limitation, obesity and other factors. Scan findings to be correlated with old reports or other investigations.

Dispatched by: Bindu

**** End of Report ****

Printed by: Bindu on 25-03-2023 at 02:57 PM

