

Patient Name : MR. BHUTANI PERM PRAKASH	Registration Time : Oct 26, 2024, 10:23 a.m.
Age / Gender : 72 years / Male	Receiving Time : Oct 26, 2024, 10:23 a.m.
MR No. / IPD No. : /	Reporting Time : Oct 26, 2024, 12:57 p.m.
Patient Type / Bed No. : /	 241026076
Referred By : ARCOFEMI HEALTH CARE PVT.LIMITED (MEDIWHEEL)	Panel : Dr Arcofemi Health Care PVT.limited (MediWheel)
	Client Code : ACROFEMI HEALTH CARE PVT. LTD. (MEDIWHEEL)

Test Description	Value(s)	Unit(s)	Reference Range
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HAEMATOLOGY

Complete Haemogram - Hb RBC count and indices, TLC, DLC, PLATELET, ESR.

Hemoglobin (Hb) Method : Whole Blood, SLS-haemoglobin	12.3	g/dL	13.0 - 17.0
Erythrocyte (RBC) Count Method : Whole Blood, DC detection	3.67	x 10 ⁶ /uL	4.5 - 5.5
HCT Method : Whole Blood, RBC pulse height detection	38.2	%	42 - 52
Mean Cell Volume (MCV) Method : Whole Blood, Electrical Impedence	104.1	fL	78 - 100
Mean Cell Haemoglobin (MCH) Method : Whole Blood, Calculated	33.5	pg	27 - 31
Mean Corpuscular Hb Conc. (MCHC) Method : Whole Blood, Calculated	32.2	g/dL	32.0 - 35.0
Red Cell Distribution Width (RDW) CV Method : Whole Blood, Calculated	12.2	%	11.5 - 14.0
Total Leucocytes (WBC) Count Method : Whole Blood, Flow cytometry	4.4	x 10 ³ /uL	4-10
DLC (Differential Leucocytes Count)			
Neutrophils Method : Whole Blood, Fluorescence /Flowcytometry/ Microscopy	60.3	%	40 - 80
Lymphocytes Method : Whole Blood, Fluorescence /Flowcytometry/ Microscopy	29.5	%	20 - 40
Monocytes Method : Whole Blood, Fluorescence /Flowcytometry/ Microscopy	6.8	%	2 - 10
Eosinophils Method : Whole Blood, Fluorescence /Flowcytometry/ Microscopy	2.5	%	1 - 6
Basophils Method : Whole Blood, Fluorescence /Flowcytometry/ Microscopy	0.9	%	0 - 2
Absolute Neutrophil Count Method : Whole Blood, Calculated	2.65	x 10 ³ /uL	2.0 - 7.0
Absolute Lymphocyte Count Method : Whole Blood, Calculated	1.30	x 10 ³ /uL	1 - 3

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 PVT.LIMITED (MEDIWHEEL)

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Panel : Dr Arcofemi Health Care PVT.limited (MediWheel)

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Test Description	Value(s)	Unit(s)	Reference Range
Absolute Monocyte Count Method : Whole Blood, Calculated	0.30	x 10 ³ /uL	0.2-1.0
Absolute Eosinophil Count Method : Whole Blood, Calculated	0.11	x 10 ³ /uL	0.02 - 0.5
Absolute Basophils Count Method : Whole Blood, Calculated	0.04	x 10 ³ /uL	0.02 - 0.1
Platelet Count Method : Whole Blood, DC Detection	102	x 10 ³ /uL	150 - 450
ESR - Erythrocyte Sedimentation Rate Method : Whole blood , Modified Westergren Method	45	mm/hr	<10

Interpretation:

It indicates presence and intensity of an inflammatory process. It is a prognostic test and used to monitor the course or response to treatment of diseases like tuberculosis, acute rheumatic fever,. It is also increased in multiple myeloma, hypothyroidism.

Tests done on Automated Six Part Cell Counter.

END OF REPORT


 Dr. Arti Tripathi
 MD Pathology
 Chief Consultant, Pathology
 DMC No: 43012

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Test Description	Value(s)	Unit(s)	Reference Range
<u>CLINICAL PATHOLOGY</u>			
<u>Urine Glucose (Fasting & PP)</u>			
Glucose Fasting (Urine) Method : Oxidase Reaction/ Manual	Negative		Negative
Glucose Post Prandial (Urine) Method : Oxidase Reaction/ Manual	Negative		Negative

END OF REPORT



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Test Description	Value(s)	Unit(s)	Reference Range
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IMMUNOLOGY

T3, T4, TSH (Thyroid Profile Total),Serum

(Triiodothyronine) T3-Total Method : ECLIA	1.4	ng/mL	0.80 - 2.00
(Thyroxine) T4-Total Method : ECLIA	8.57	ug/dL	5.10 - 14.10
TSH-Ultrasensitive Method : ECLIA	1.8	uIU/mL	0.27-4.20

Interpretation

The Biological reference interval provided is for Adults.
 For age specific reference interval, please refer to the table given below.

TSH	T3/F13	T4/F14	Interpretation
High	Normal	Normal	Subclinical Hypothyroidism
Low	Normal	Normal	Subclinical Hyperthyroidism
High	High	High	Secondary Hypothyroidism
Low	High/Normal	High/Normal	Hyperthyroidism
Low	Low	Low	Non Thyroidal Illness/Secondary Hyperthyroidism

TSH (mU/mL)			
Children	New Born	0.7	15.2
	6 days - 3 Months	0.72	11
	4 -12 Months	0.73	8.35
	1-6 Years	0.7	5.97
	7-11 Years	0.6	4.84
	12-20 years	0.51	4.3
Adults		0.27	4.20

TSH levels are subjected to circadian variation, rising several hours before the onset of sleep, reaching peak levels between 11 pm and 6 am. Nadir concentration are observed during the afternoon. diurnal variation in TSH levels is approx 50%+/-, hence time of the day can influence the measured serum concentration.

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Test Description	Value(s)	Unit(s)	Reference Range
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HAEMATOLOGY

Blood Group (ABO)

Blood Group	"O"
Method : Forward and Reverse by Slide method	
RH Factor	Positive

Methodology

This is done by forward and reverse grouping by slide agglutination method.

Interpretation

Newborn baby does not produce ABO antibodies until 3 to 6 months of age. So the blood group of the Newborn baby is done by ABO antigen grouping (forward grouping) only, antibody grouping (reverse grouping) is not required. Confirmation of the New-born's blood group is indicated when the A and B antigen expression and the isoagglutinins are fully developed (2–4 years).

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BIOCHEMISTRY

LFT (Liver Function Test,Serum)

Total Protein Method : Biuret Method	7.6	g/dL	6.4-8.3
Albumin Method : Bromocresol Green	4.4	g/dL	3.5 - 5.2
Globulin Method : Calculated	3.20	g/dL	1.8 - 3.6
A/G Ratio Method : Calculated	1.38	ratio	1.2 - 2.2
SGOT Method : IFCC without Pyridoxal Phosphate	22	U/L	0 to 40
SGPT Method : IFCC without Pyridoxal Phosphate	17	U/L	0 to 41
Alkaline Phosphatase-ALP Method : PNP AMP Kinetic	81	U/L	40-129
GGT-Gamma Glutamyl Transferase Method : IFCC	13	U/L	0 to 60
Bilirubin Total Method : Colorimetric Diazo Method	2.30	mg/dL	0.0-1.20
Bilirubin - Direct Method : Colorimetric Diazo Method	0.50	mg/dL	Adults and Children: < 0.30
Bilirubin - Indirect Method : Calculated	1.80	mg/dL	0.1 - 1.0

Interpretation :

SGOT/ SGPT: Increased in Acute viral hepatitis, Biliary tract obstruction (cholangitis, choledocholithiasis), Alcoholic hepatitis and Cirrhosis, liver abscess, metastatic or primary liver cancer; non-alcoholic steatohepatitis; right heart failure. Decreased in Pyridoxine (vit B6) deficiency.

Alkaline Phosphatase: Increased in Obstructive hepatobiliary disease, Bone disease (physiologic bone growth, Paget disease, Osteomalacia, Osteogenic sarcoma, Bone metastases), Hyperparathyroidism, Rickets, Pregnancy (third trimester). Decreased in Hypophosphatasia.

GGT: Increased in Liver disease Acute viral or toxic hepatitis, Chronic or subacute hepatitis, Alcoholic hepatitis, Cirrhosis, Biliary tract obstruction.

Protein: Moderate-to-marked hyperproteinemia maybe due to multiple myeloma and other malignant paraproteinemias, Hypoproteinemia may be due to decreased production or increased protein loss.

Albumin: Increased in Dehydration, Shock, Hemoconcentration. Decreased in hepatic synthesis(Chronic liver disease, malnutrition, malabsorption, malignancy), Increased losses (Nephrotic syndrome, Burns, Trauma, Hemorrhage with fluid replacement, acute or chronic glomerulonephritis), Hemodilution (pregnancy, CHF) and Drugs (estrogens).

Bilirubin: A substance produced during the normal breakdown of red blood cells.Elevated levels of bilirubin (jaundice) might indicate liver damage or disease or certain types of anemia.

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Patient Type / Bed No. : /	 241026076
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Test Description	Value(s)	Unit(s)	Reference Range
BIOCHEMISTRY			
Lipid Profile,Serum			
Cholesterol-Total Method : Enzymatic Colorimetric,CHOD-POD	217	mg/dL	Desirable: <= 200 Borderline High: 201-239 High: > 239 Ref: The National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.
Triglycerides Method : Enzymatic Colorimetric ,GOD-POD	84	mg/dL	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500
Cholesterol-HDL Direct Method : CHOD-POD (Homogenous Enzymatic)	57	mg/dL	No Risk - >55 mg/dL Moderate risk - 35-55 mg/dL High risk - < 35 mg/dL
LDL Cholesterol Method : Calculated	143.20	mg/dL	Optimal: < 100 Near optimal/above optimal: 100-129 Borderline high: 130-159 High: 160-189 Very High: >= 190
Non - HDL Cholesterol, Serum Method : Calculated	160	mg/dL	Desirable: < 130 mg/dL Borderline High: 130-159mg/dL High: 160-189 mg/dL Very High: > or = 190 mg/dL
VLDL Cholesterol Method : Serum, Calculated	16.80	mg/dL	0 - 30
CHOL/HDL RATIO Method : Calculated	3.81	Ratio	3.5 - 5.0
LDL/HDL RATIO Method : Calculated	2.51	Ratio	Desirable / low risk - 0.5 -3.0 Low/ Moderate risk - 3.0- 6.0 Elevated / High risk - > 6.0
HDL/LDL RATIO Method : Calculated	0.40	Ratio	Desirable / low risk - 0.5 -3.0 Low/ Moderate risk - 3.0- 6.0 Elevated / High risk - > 6.0

Note: 10-12 hours fasting sample is required.

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Test Description	Value(s)	Unit(s)	Reference Range
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Patient Name : MR. BHUTANI PERM PRAKASH Age / Gender : 72 years / Male MR No. / IPD No. : / Patient Type / Bed No. : / Referred By : ARCOFEMI HEALTH CARE PVT.LIMITED (MEDIWHEEL)		Registration Time : Oct 26, 2024, 10:23 a.m. Receiving Time : Oct 26, 2024, 10:24 a.m. Reporting Time : Oct 26, 2024, 12:14 p.m.  241026076 Panel : Dr Arcofemi Health Care PVT.limited (MediWheel) Client Code : ACROFEMI HEALTH CARE PVT. LTD. (MEDIWHEEL)
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Test Description	Value(s)	Unit(s)	Reference Range
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BIOCHEMISTRY

KFT (Renal Function Test,Serum)

Urea Method : kinetic (urease-GLDH)	22.6	mg/dL	16.6-48.5
BUN Method : Calculated	10.56	mg/dL	8-23
Creatinine Method : Kinetic Colorimetric (Jaffe Method)	0.80	mg/dL	0.70-1.30
Uric Acid Method : Enzymatic Colorimetric: Uricase-POD	3.8	mg/dL	3.4-7.0

Interpretation :

Urea:- Increased in renal diseases,urinary obstructions, shock, congestive heart failure .Decreased in liver failure and pregnancy.

Creatinine :- Elevated in renal dysfunction, reduced renal blood flow shock, dehydration, Congestive heart failure, Diabetes Acromegaly. Decreased levels are found in Muscular Dystrophy.

Uric acid:- Increased in Gout, Arthritis, impaired renal functions and starvation.Decreased in Wilson's disease, Fanconis Syndrome and Yellow Atrophy of Liver.

Sodium:-Increased in Excessive dietary salt ,Diuretic therapy,Adrenal insufficiency,Salt-wasting nephropathy and Vomiting.Decreased levels are seen in Hyperaldsteronism ,Hyponatremia,Prerenal Azotemia,Renal Failure and Glomerulonephritis.

Potassium:- Low levels is common in vomiting, diarrhea, alcoholism, and folic acid deficiency. Increase level are seen in end-stage renal failure, hemolysis, trauma, Addison's disease, metabolic acidosis, acute starvation, dehydration, and with rapid potassium infusion.

Chloride:- Increased in dehydration, renal tubular acidosis, acute renal failure, metabolic acidosis, diabetes insipidus, adrenocortical hyperfuction. Decreased in overhydration, chronic respiratory acidosis, salt-losing nephritis, metabolic alkalosis.

END OF REPORT



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Test Description	Value(s)	Unit(s)	Reference Range
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BIOCHEMISTRY

Glucose (Fasting)			
Glucose Fasting	94	mg/dL	Normal: 72-106
Method : Plasma,Enzymatic Hexokinase			Impaired Tolerance: 100-125 Diabetes mellitus: >= 126 (on more than one occassion) (American diabetes association guidelines 2018)

Interpretation

Glucose is the major carbohydrate present in the peripheral blood. Oxidation of glucose is the major source of cellular energy in the body. The concentration of glucose in blood is controlled within the narrow limits by many hormones, the most important of which are produced by the pancreas. The most frequent cause of hyperglycaemia is diabetes mellitus resulting from deficiency in insulin secretion or action. These include pancreatitis, thyroid dysfunction, renal failure, and liver disease. Hypoglycaemia is less frequently observed. A variety of conditions may cause low blood glucose levels such as insulinoma, hypopituitarism, or insulin induced hypoglycaemia.

END OF REPORT



Dr. Arti Tripathi
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Test Description	Value(s)	Unit(s)	Reference Range
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BIOCHEMISTRY

Glucose (PP)

Blood Glucose-Post Prandial	123	mg/dL	70 - 140
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Method : Plasma, Enzymatic Hexokinase

Interpretation

Glucose is the major carbohydrate present in the peripheral blood. Oxidation of glucose is the major source of cellular energy in the body. The concentration of glucose in blood is controlled within the narrow limits by many hormones, the most important of which are produced by the pancreas. The most frequent cause of hyperglycaemia is diabetes mellitus resulting from deficiency in insulin secretion or action. These include pancreatitis, thyroid dysfunction, renal failure, and liver disease. Hypoglycaemia is less frequently observed. A variety of conditions may cause low blood glucose levels such as insulinoma, hypopituitarism, or insulin induced hypoglycaemia.

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IMMUNOLOGY

PSA Total (Prostate Specific Antigen),Serum

Prostate-specific antigen (Total)	0.887	ng/mL	0.0-4.40
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Method : ECLIA

INTERPRETAION

- Prostate-specific antigen (PSA) is a glycoprotein produced by the prostate gland. Normally, very little PSA is secreted in the blood. Increases in glandular size and tissue damage caused by benign prostatic hypertrophy, prostatitis, or prostate cancer may increase circulating PSA levels.
- If total prostate-specific antigen (PSA) concentration is < 2.0 ng/mL, the probability of prostate cancer in asymptomatic men is low. When total PSA concentration is > 10.0 ng/mL, the probability of cancer is high and further testing is recommended.

Note :-

- Normal results do not eliminate the possibility of prostate cancer.
- The test specimens should be obtained before the patients undergoing prostate manipulation procedures like biopsy/transurethral resection.

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CLINICAL PATHOLOGY

Urine (RE/ME)

Physical Examination :

Volume Method : Visual Observation	20		mL
Colour Method : Visual Observation	Pale Yellow		Pale Yellow
Transparency (Appearance) Method : Visual Observation	Hazy		Clear
Deposit Method : Visual Observation	Absent		Absent
Reaction (pH) Method : Double Indicator method	6.0		4.5 - 8.0
Specific Gravity Method : Ionic Concentration	1.015		1.010 - 1.030

Chemical Examination (Dipstick Method) Urine

Urine Protein Method : Protein Ionisation/ Manual	Absent		Absent
Urine Glucose (sugar) Method : Oxidase Reaction/ Manual	Absent		Absent
Blood (Urine) Method : Peroxidase Reaction	Absent		Absent

Microscopic Examination Urine

Pus Cells (WBCs) Method : Microscopy	10 - 12	/hpf	0 - 5
Epithelial Cells Method : Microscopy	10 - 12	/hpf	0 - 4
Red blood Cells Method : Microscopy	Occasional	/hpf	Absent
Crystals Method : Microscopy	Absent		Absent
Cast Method : Microscopy	Granular cast Present		Absent
Yeast Cells Method : Microscopy	Absent		Absent
Amorphous Material Method : Microscopy	Absent		Absent

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Test Description	Value(s)	Unit(s)	Reference Range
Bacteria	Absent		Absent
Method : Microscopy			
Others	Absent		

Remarks:-

Epithelial cells	Urolithiasis bladder carcinoma or hydronephrosis ,ureteric stents or bladdercatheters 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 diseases.
Calcium Oxalate	Metabolic stone disease, primary or secondary hyperoxaluria, intravenous infusion of large doses of VitaminC, the use of vasodilator naftidrofuryl oxalate or the gastrointestinal lipase inhibitor orlistat, ingestion of ethylene glycol or of star fruit(A verrhoa carambola)or its juice
Uric acid	Artharitis
Bacteria	Urinary infection when present in significant numbers and with pus cells.
Trichomonas vaginalis	Vaginitis, cervicitis or salpingitis

END OF REPORT


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Atrial Rate
 Ventricular Rate
 Rhythm
 Axis
 P Wave
 P-R Interval
 QRS Duration
 Q-T Duration
 Q-T Interval
 Conclusion

ST Segment
 T Wave
 Others
 Signature
 Doctor I/C

Handwritten signature





Name: MR. Prem Rakash Bhambhani Age: 72y Sex: M
 Dept: _____ Rat by: _____ Date: 26/10/24
 M.R. No: _____ HiO Drug Allergy: YN

Deptt. of General & Laparoscopic Surgery

Dr. Vinay Sabharwal

M.B.B.S., M.S., F.R.C.S.
 Hon. Surgeon to Govt. President of India
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 Sr. Member: Assoc. India of Surgeons of India
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 Awarded Padmashri by the President of India
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Vu < 6/24
 6/24
 Nohard eye
 2 glasses < 6/6
 6/6
 Near < 16
 16

Colour vision on Ishihara Chart

Fuelus Bist - NAD

Ant. Segment - NAD

Rt +1.75DSM

Lt +1.75DSM

+0.50 Day 180°

Add +2.50 Day Bist

2. Bistorent.

- Saha Eye drops

1. One drop twice a day

(Signature)

Treatment Adv for _____ days Next follow up visit on _____

S.C. PAHWA
 M.B.B.S., M.S. (Ophth)
 EYE SURGEON
 U.M.C. No. 8434 (D.M.C.)

Echocardiography Report

Name: Mr. Bhutani Prem Prakash
Age/Sex: 72yrs/M
Date: 04.11.2024
Receipt No: 121483
View ---fair

Summary of 2D echo-

- No chamber enlargement.
- Mild concentric LVH
- No RWMA
- LVEF- 59%
- Grade I diastolic dysfunction.
- Good RV function.
- Trace MR
- Trace TR
- No thrombus detected.
- No pericardial effusion seen
- IVC shows normal inspiratory collapse.

ObservationsDimensions

LVID d = 37 (35-55mm)
LV IVS= 12 (6-11mm)
Pwt = 11 (6-11mm)
Ao = 29 (20-37mm)
LA = 37 (21-37mm)

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