







Lab No. : DUR/28-09-2024/SR9716912 Lab Add. : Newtown, Kolkata-700156

> : SUNIL KUMAR PANDEY Ref Dr. : Dr.MEDICAL OFFICER : 47 Y 1 M 27 D **Collection Date** : 28/Sep/2024 10:20AM

Report Date : 29/Sep/2024 11:38AM Gender : M



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit	
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PHOSPHORUS-INORGANIC,BLOOD, GEL 2.4-5.1 mg/dL mg/dL

Patient Name

Age

SERUM (Method:Phosphomolybdate/UV)

*** End Of Report ***

Dr Neepa Chowdhury

MBBS, MD(Biochemistry)
SECTION DIRECTOR AND SENIOR CONSULTANT BIOCHEMIST

Reg no. WBMC 62456



Patient Name : SUNIL KUMAR PANDEY

: M

Age : 47 Y 1 M 27 D

Gender

Lab Add. : CITY CENTER, DURGAPUR PIN-7132

: 28/Sep/2024 10:20AM

Ref Dr. : Dr.MEDICAL OFFICER

Collection Date

Report Date : 28/Sep/2024 04:38PM



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit
- Cot Humb	- TOOUIT	2.0 1.011 111.01 141.	
BILIRUBIN (DIRECT) (Method:Diazotized DCA Method)	0.2	< 0.3	mg/dL
SGOT/AST (Method:IFCC Kinetic Method)	25	< 41	U/L
SGPT/ALT (Method:IFCC Kinetic Method)	40	< 41	U/L
*BILIRUBIN (TOTAL) , GEL SERUM			
BILIRUBIN (TOTAL) (Method:Diazotized DCA Method)	0.5	< 1.2	mg/dL
ALKALINE PHOSPHATASE (Method:AMP)	81	53-128 U/L	U/L
POTASSIUM,BLOOD	5.3	3.1 - 5.5	mEq/L
UREA,BLOOD (Method:UREASE-GLDH)	19.4	12.8 - 42.8	mg/dL
*TOTAL PROTEIN [BLOOD] ALB:GLO RAT	io , .		
TOTAL PROTEIN (Method:BIURET METHOD)	6.7	6.6 - 8.7	g/dL
ALBUMIN (Method:BCG)	4.4	3.5-5.2 g/dl	g/dl
GLOBULIN	2.3	1.8-3.2	g/dl
(Method:Calculated) AG Ratio (Method:Calculated)	1.91	1.0 - 2.5	
*THYROID PANEL (T3, T4, TSH), GEL SERUM	1		
T3-TOTAL (TRI IODOTHYRONINE) (Method:CLIA)	1.2	0.9 - 2.2 ng/ml	ng/ml
T4-TOTAL (THYROXINE) (Method:CLIA)	8.3	5.5-16 microgram/dl	5.5-16 microgram/dl
TSH (THYROID STIMULATING HORMONE) (Method:CLIA)	3.9	0.5-4.7	μIU/mL

BIOLOGICAL REFERENCE INTERVAL: [ONLY FOR PREGNANT MOTHERS]

Trimester specific TSH LEVELS during pregnancy:
FIRST TRIMESTER : 0.10 2.50 μ IU/mL
SECOND TRIMESTER :0.20 3.00 μ IU/mL
THIRD TRIMESTER :0.30 3.00 μ IU/mL

References:

1.Indian Thyroid Society guidelines for management of thyroid dysfunction during pregnancy. Clinical Practice Guidelines, New Delhi: Elsevier; 2012.

2.Stagnaro-Green A, Abalovich M, Alexander E, Azizi F, Mestman J, Negro R, et al. Guidelines of the American Thyroid Association for the Diagnosis and Management of Thyroid Disease During Pregnancy and Postpartum. Thyroid 2011;21:1081-25.

3. Dave A, Maru L, Tripathi M. Importance of Universal screening for thyroid disorders in first trimester of pregnancy. Indian J Endocr Metab [serial online] 2014 [cited 2014 Sep 25]; 18: 735-8. Available from: http://www.ijem.in/text.asp?2014/18/5/735/139221.

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DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit
rest Name	Result	BIO Rei. IIItervai	Onit
GLUCOSE,FASTING (Method:GOD POD)	95	(70 - 110 mg/dl)	mg/dL
CREATININE, BLOOD (Method:ENZYMATIC)	1.01	0.70 - 1.3 mg/dl	mg/dL
*LIPID PROFILE, GEL SERUM			
CHOLESTEROL-TOTAL (Method:CHOD PAP Method)	190	Desirable: < 200 mg/dL Borderline high: 200-239 High: > or =240 mg/dL	mg/dL
TRIGLYCERIDES (Method:GPO-PAP)	82	NORMAL < 150 BORDERLINE HIGH 150-199 HIGH 200-499 VERY HIGH > 500	mg/dL
HDL CHOLESTEROL (Method:DIRECT METHOD)	57	35.3-79.5 mg/dl	mg/dL
LDL CHOLESTEROL DIRECT (Method:Direct Method)	<u>106</u>	OPTIMAL: <100 mg/dL, Near optimal/ above optimal: 100-129 mg/dL, Borderline high: 130-159 mg/dL, High: 160-189 mg/dL, Very high: >=190 mg/dL	mg/dL
VLDL (Method:Calculated)	27	< 40	mg/dL
CHOL HDL Ratio (Method:Calculated)	3.3	LOW RISK 3.3-4.4 AVERAGE RISK 4.47-7.1 MODERATE RISK 7.1-11.0 HIGH RISK >11.0	
URIC ACID,BLOOD (Method:URICASE)	7.4	3.4 - 7.0	mg/dl
SODIUM,BLOOD (Method:ISE DIRECT)	136	136 - 145	mEq/L
CHLORIDE,BLOOD	102	98 - 108	mmol/L
CALCIUM,BLOOD (Method:ARSENAZO III)	9.9	8.6 - 10.2 mg/dl	mg/dL
GLUCOSE,PP (Method:GOD POD)	98	(70 - 140 mg/dl)	mg/dL

RESULT ALTERATION MAY BE NOTED DUE TO IMPROPER TIMING OR DIETARY FINDINGS.

*GLYCATED HAEMOGLOBIN (HBA1C), E	DTA WHOLE BLOOD	
GLYCATED HEMOGLOBIN (HBA1C)	5.9	***FOR BIOLOGICAL REFERENCE % INTERVAL DETAILS , PLEASE REFER TO THE BELOW MENTIONED REMARKS/NOTE WITH ADDITIONAL CLINICAL INFORMATION ***
HbA1c (IFCC) (Method:HPLC)	41	mmol/mol

Clinical Information and Laboratory clinical interpretation on Biological Reference Interval:

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DEPARTMENT OF BIOCHEMISTRY

Test Name Result Bio Ref. Interval Unit

Analyzer used: BIORAD D-10

Method: HPLC

Recommendations for glycemic targets

- Ø Patients should use self-monitoring of blood glucose (SMBG) and HbA1c levels to assess glycemic control.
- Ø The timing and frequency of SMBG should be tailored based on patients' individual treatment, needs, and goals.
- Ø Patients should undergo HbA1c testing at least twice a year if they are meeting treatment goals and have stable glycemic control.
- Ø If a patient changes treatment plans or does not meet his or her glycemic goals, HbA1c testing should be done quarterly.
- \emptyset For most adults who are not pregnant, HbA1c levels should be <7% to help reduce microvascular complications and macrovascular disease . Action suggested >8% as it indicates poor control.
- Ø Some patients may benefit from HbA1c goals that are stringent.

Result alterations in the estimation has been established in many circumstances, such as after acute/ chronic blood loss, for example, after surgery, blood transfusions, hemolytic anemia, or high erythrocyte turnover; vitamin B_{12} / folate deficiency, presence of chronic renal or liver disease; after administration of high-dose vitamin E / C; or erythropoietin treatment.

Reference: Glycated hemoglobin monitoring BMJ 2006; 333;586-8

References

- 1. Chamberlain JJ, Rhinehart AS, Shaefer CF, et al. Diagnosis and management of diabetes: synopsis of the 2016 American Diabetes Association Standards of Medical Care in Diabetes. Ann Intern Med. Published online 1 March 2016. doi:10.7326/M15-3016.
- 2. Mosca A, Goodall I, Hoshino T, Jeppsson JO, John WG, Little RR, Miedema K, Myers GL, Reinauer H, Sacks DB, Weykamp CW. International Federation of Clinical Chemistry and Laboratory Medicine, IFCC Scientific Division. Global standardization of glycated hemoglobin measurement: the position of the IFCC Working Group. Clin Chem Lab Med. 2007;45(8):1077-1080.

PDF Attached

*** End Of Report ***

Dr Sayak Biswas MBBS, MD (Pathology) Consultant Pathologist Reg No. WBMC 74506

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Patient Name : SUNIL KUMAR PANDEY

Age : 47 Y 1 M 27 D

Gender : M

Lab Add. : Newtown,Kolkata-700156

Ref Dr. : Dr.MEDICAL OFFICER

Collection Date : 28/Sep/2024 11:36AM

Report Date : 30/Sep/2024 12:28PM



DEPARTMENT OF BIOCHEMISTRY

Test Name Result Bio Ref. Interval Unit	
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URIC ACID, URINE, SPOT URINE

URIC ACID, SPOT URINE

(Method:URICASE)

ESTIMATED TWICE

18 37-92 mg/dL

mg/dL

*** End Of Report ***

Dr. Sudeshna Baral M.B.B.S MD. (Biochemistry) (Consultant Biochemist) Reg No. WBMC 64124

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Patient Name : SUNIL KUMAR PANDEY

Age : 47 Y 1 M 27 D

Gender : M

Lab Add. : CITY CENTER, DURGAPUR PIN-713

Ref Dr. : Dr.MEDICAL OFFICER

Collection Date : 28/Sep/2024 10:20AM

Report Date : 28/Sep/2024 02:53PM



DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Bio Ref. Interval	Unit
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*CBC WITH PLATELET (THROMBOCYTE) COUNT, EDTA WHOLE BLOOD			
HEMOGLOBIN (Method:PHOTOMETRIC)	14.1	13 - 17	g/dL
WBC (Method:DC detection method)	7	4 - 10	*10^3/µL
RBC (Method:DC detection method)	5.34	4.5 - 5.5	*10^6/µL
PLATELET (THROMBOCYTE) COUNT (Method:DC detection method/Microscopy) DIFFERENTIAL COUNT	176	150 - 450*10^3	*10^3/µL
NEUTROPHILS (Method:Flowcytometry/Microscopy)	44	40 - 80	%
LYMPHOCYTES (Method:Flowcytometry/Microscopy)	<u>45</u>	20 - 40	%
MONOCYTES (Method:Flowcytometry/Microscopy)	07	2 - 10	%
EOSINOPHILS (Method:Flowcytometry/Microscopy)	04	1 - 6	%
BASOPHILS (Method:Flowcytometry/Microscopy) <u>CBC SUBGROUP</u>	00	0-0.9	%
HEMATOCRIT / PCV (Method:Calculated)	43.2	40 - 50 %	%
MCV (Method:Calculated)	<u>81</u>	83 - 101 fl	fl
MCH (Method:Calculated)	<u>26.5</u>	27 - 32 pg	pg
MCHC (Method:Calculated)	32.7	31.5-34.5 gm/dl	gm/dl
RDW - RED CELL DISTRIBUTION WIDTH (Method:Calculated)	14.3	11.6-14%	%
PDW-PLATELET DISTRIBUTION WIDTH (Method:Calculated)	24.8	8.3 - 25 fL	fL
MPV-MEAN PLATELET VOLUME (Method:Calculated)	11.8	7.5 - 11.5 fl	

1stHour 10 0.00 - 20.00 mm/hr mm/hr (Method:Westergren)

*** End Of Report ***

Dr Sayak Biswas MBBS, MD (Pathology) Consultant Pathologist Reg No. WBMC 74506

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: 29/Sep/2024 01:36PM Gender : M Report Date



DEPARTMENT OF HAEMATOLOGY

Test Name Result Bio Ref. Interval Unit

BLOOD GROUP ABO+RH [GEL METHOD], EDTA WHOLE BLOOD

(Method:Gel Card)

RH **POSITIVE**

(Method:Gel Card)

TECHNOLOGY USED: GEL METHOD

ADVANTAGES:

- Gel card allows simultaneous forward and reverse grouping.
- Card is scanned and record is preserved for future reference.
- Allows identification of Bombay blood group.
- Daily quality controls are run allowing accurate monitoring.

Historical records check not performed.

*** End Of Report ***

Dr. KAUSHIK DEY MD (PATHOLOGY) CONSULTANT PATHOLOGIST Reg No. WBMC 66405

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Patient Name : SUNIL KUMAR PANDEY Ref Dr. : Dr.MEDICAL OFFICER

Age : 47 Y 1 M 27 D Collection Date

Gender : M Report Date : 28/Sep/2024 11:22AM



DEPARTMENT OF X-RAY

X-RAY REPORT OF CHEST (PA)

Lab Add.

FINDINGS:

No active lung parenchymal lesion is seen.

Both the hila are normal in size, density and position.

Mediastinum is in central position. Trachea is in midline.

Domes of diaphragm are smoothly outlined. Position is within normal limits.

Lateral costo-phrenic angles are clear.

The cardio-thoracic ratio is normal.

Bony thorax reveals no definite abnormality.

IMPRESSION:

Normal study.

*** End Of Report ***

Dr Nidhi Sehgal DNB (Radio-diagnosis) Senior Consultant Radiologist

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DEPARTMENT OF CLINICAL PATHOLOGY

Test Name Result Bio Ref. Interval Unit

*URINE ROUTINE ALL, ALL, URINE			
PHYSICAL EXAMINATION			
COLOUR	PALE YELLOW		
APPEARANCE	CLEAR		
CHEMICAL EXAMINATION			
pН	5.0	4.6 - 8.0	
(Method:Dipstick (triple indicator method))	4 00=		
SPECIFIC GRAVITY (Method-Direction (ion concentration method))	1.005	1.005 - 1.030	
(Method:Dipstick (ion concentration method)) PROTEIN	NOT DETECTED	NOT DETECTED	
(Method:Dipstick (protein error of pH	NOTBETEOTED	NOTBETEOTED	
indicators)/Manual)			
GLUCOSE	NOT DETECTED	NOT DETECTED	
(Method:Dipstick(glucose-oxidase-peroxidase method)/Manual)			
KETONES (ACETOACETIC ACID,	NOT DETECTED	NOT DETECTED	
ACETONE)	NOT BETEOTED	NOTBETEOTEB	
(Method:Dipstick (Legals test)/Manual)			
BLOOD	NOT DETECTED	NOT DETECTED	
(Method:Dipstick (pseudoperoxidase reaction))			
BILIRUBIN	NEGATIVE	NEGATIVE	
(Method:Dipstick (azo-diazo reaction)/Manual) UROBILINOGEN	NEGATIVE	NEGATIVE	
(Method:Dipstick (diazonium ion reaction)/Manual)	NEOATIVE	NEGATIVE	
NITRITE	NEGATIVE	NEGATIVE	
(Method:Dipstick (Griess test))			
LEUCOCYTE ESTERASE	NEGATIVE	NEGATIVE	
(Method:Dipstick (ester hydrolysis reaction))			
MICROSCOPIC EXAMINATION			
LEUKOCYTES (PUS CELLS)	1-2	0-5	/hpf
(Method:Microscopy) EPITHELIAL CELLS	0-1	0-5	/hpf
(Method:Microscopy)	0-1	0-3	Лірі
RED BLOOD CELLS	NOT DETECTED	0-2	/hpf
(Method:Microscopy)			•
CAST	NOT DETECTED	NOT DETECTED	
(Method:Microscopy)	NOT DETECTED	NOT DETECTED	
CRYSTALS	NOT DETECTED	NOT DETECTED	
(Method:Microscopy) BACTERIA	NOT DETECTED	NOT DETECTED	
(Method:Microscopy)	HO! DETECTED	NOT BETEUTED	
YEAST	NOT DETECTED	NOT DETECTED	
(Method:Microscopy)			

Note:

- $1. \ All \ urine \ samples \ are \ checked \ for \ adequacy \ and \ suitability \ before \ examination.$
- 2. Analysis by urine analyzer of dipstick is based on reflectance photometry principle. Abnormal results of chemical examinations are confirmed by manual methods.
- 3. The first voided morning clean-catch midstream urine sample is the specimen of choice for chemical and microscopic analysis.
- 4. Negative nitrite test does not exclude urinary tract infections.
- 5. Trace proteinuria can be seen in many physiological conditions like exercise, pregnancy, prolonged recumbency etc.
- 6. False positive results for glucose, protein, nitrite, urobilinogen, bilirubin can occur due to use of certain drugs, therapeutic dyes, ascorbic acid, cleaning agents used in urine collection container.
- 7. Discrepancy between results of leukocyte esterase and blood obtained by chemical methods with corresponding pus cell and red blood cell count by microscopy can occur due to cell lysis.
- 8. Contamination from perineum and vaginal discharge should be avoided during collection, which may falsely elevate epithelial cell count and show presence of bacteria

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DEPARTMENT OF CLINICAL PATHOLOGY

Test Name Result Bio Ref. Interval Unit

and/or yeast in the urine.

*** End Of Report ***

Dr Sayak Biswas MBBS, MD (Pathology) Consultant Pathologist

Reg No. WBMC 74506

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Patient Name : SUNIL KUMAR PANDEY Ref Dr. : Dr.MEDICAL OFFICER

Age : 47 Y 1 M 27 D **Collection Date**

Gender : M Report Date : 29/Sep/2024 08:40AM



DEPARTMENT OF CARDIOLOGY

Lab Add.

DEPARTMENT OF CARDIOLOGY REPORT OF E.C.G.

DATA		
HEART RATE	74	Bpm
PR INTERVAL	182	Ms
QRS DURATION	92	Ms
QT INTERVAL	346	Ms
QTC INTERVAL	384	Ms
AXIS		
P WAVE	33	Degree
QRS WAVE	38	Degree
T WAVE	31	Degree
IMPRESSION	:	Normal sinus rhythm.

Please correlate clinically

*** End Of Report ***

Dr. A Ghosh M.D.DipCard(PGDCC)Apollohospital,chennai

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CCEBDM.CCMH

Consultant Clinical Cardiologist

DUR/28-09-2024/SR9716912 Lab No.



Patient Name : SUNIL KUMAR PANDEY Ref Dr. : Dr.MEDICAL OFFICER

Age : 47 Y 1 M 27 D Collection Date :

Gender : M Report Date : 28/Sep/2024 12:04PM



DEPARTMENT OF ULTRASONOGRAPHY

DEPARTMENT OF ULTRASONOGRAPHY

Lab Add.

REPORT ON EXAMINATION OF WHOLE ABDOMEN

<u>LIVER</u>: It is borderline enlarged (14.40 cm), normal shape with moderate increased echogenicity suggesting fat infiltration grade II. No definite focal lesion is seen. Intrahepaticbiliary radicles are not dilated. The portal vein branches and hepatic veins are normal.

GALL BLADDER: Well distended lumen shows no intraluminal calculus or mass. Wall thickness is normal. No pericholecystic collection or mass formation is noted.

PORTA HEPATIS: The portal vein is normal in caliber (0.90 cm) with clear lumen. The common bile duct is normal in caliber. Visualized lumen is clear. Common bile duct measures approx (0.30 cm) in diameter.

PANCREAS: It is normal in size, shape and echopattern. Main pancreatic duct is not dilated. No focal lesion of altered echogenicity is seen. The peripancreatic region shows no abnormal fluid collection.

SPLEEN: It is normal in size (9.44 cm), shape and shows homogeneous echopattern. No focal lesion is seen. No abnormal venous dilatation is seen in the splenic hilum.

<u>KIDNEYS</u>: Both kidneys are normal in size, shape and position. Cortical echogenicity and thickness are normal with normal cortico-medullary differentiation in both kidneys. No calculus, hydronephrosis or mass is noted. The perinephric region shows no abnormal fluid collection. Right kidney measures: 10.56 cm and Left Kidney measures: 10.06 cm.

URETER: Both ureters are not dilated. No calculus is noted in either side.

PERITONEUM & RETROPERITONEUM: The aorta and IVC are normal. Lymph nodes are not enlarged. No free fluid is seen in peritoneal cavity.

URINARY BLADDER: It is adequately distended providing optimum scanning window. The lumen is clear and wall thickness is normal.

PROSTATE: It is normal in size, shape and echopattern. No focal lesion is seen. Capsule is smooth. Prostate measures: 3.22 cm x 2.90 cm x 2.34 cm, weight 11 gms.

IMPRESSION:

• Fatty liver grade II.

*** Please correlate clinically.

Kindly note

Ø Ultrasound is not the modality of choice to rule out subtle bowel lesion.

O Please Intimate us for any typing mistakes and send the report for correction within 7 days.

Of The science of Radiological diagnosis is based on the interpretation of various shadows produced by both the normal and abnormal tissues and are not always conclusive. Further biochemical and radiological investigation & clinical correlation is required to enable the clinician to reach the final diagnosis.

The report and films are not valid for medico-legal purpose.

Patient Identity not verified.

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Patient Name : SUNIL KUMAR PANDEY Ref Dr. : Dr.MEDICAL OFFICER

Age : 47 Y 1 M 27 D Collection Date

Gender : M Report Date : 28/Sep/2024 12:04PM



DEPARTMENT OF ULTRASONOGRAPHY

Lab Add.

Dr Nidhi Sehgal DNB (Radio-diagnosis) Senior Consultant Radiologist