







 Patient Name
 : SAYONARA SARKAR
 Ref Dr.
 : Dr.MEDICAL OFFICER

Age : 28 Y 4 M 2 D Collection Date : 27/Jan/2024 07:57AM

Gender : F Report Date : 27/Jan/2024 10:36AM



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit	
PHOSPHORUS-INORGANIC,BLOOD , GEL SERUM (Method:Phosphomolybdate/UV)	4.1	2.4-5.1 mg/dL	mg/dL	
THYROID PANEL (T3, T4, TSH), GEL SERUM				
T3-TOTAL (TRI IODOTHYRONINE) (Method:CLIA)	0.71	0.60-1.81 ng/ml	ng/ml	
T4-TOTAL (THYROXINE) (Method:CLIA)	8.7	3.2-12.6	μg/dL	
TSH (THYROID STIMULATING HORMONE) (Method:CLIA)	2.207	0.55-4.78	μlU/mL	

Serum TSH levels exhibit a diurnal variation with the peak occurring during the night and the nadir, which approximates to 50% of the peak value, occurring between 1000 and 1600 hours.[1,2]

References:

1. Bugalho MJ, Domingues RS, Pinto AC, Garrao A, Catarino AL, Ferreira T, Limbert E and Sobrinho L. Detection of thyroglobulin mRNA transcripts in peripheral blood of

individuals with and without thyroid glands: evidence for thyroglobulin expression by blood cells. Eur J Endocrinol 2001;145:409-13.

2. Bellantone R, Lombardi CP, Bossola M, Ferrante A, Princi P, Boscherini M et al. Validity of thyroglobulin mRNA assay in peripheral blood of postoperative thyroid carcinoma patients in predicting tumor recurrence varies according to the histologic type: results of a prospective study. Cancer 2001;92:2273-9.

BIOLOGICAL REFERENCE INTERVAL: [ONLY FOR PREGNANT MOTHERS]

Trimester specific TSH LEVELS during pregnancy: FIRST TRIMESTER: $0.10-3.00~\mu$ IU/mL SECOND TRIMESTER: 0.20 -3.50 μ IU/mL THIRD TRIMESTER: 0.30 -3.50 μ IU/mL

References:

1. Erik K. Alexander, Elizabeth N. Pearce, Gregory A. Brent, Rosalind S. Brown, Herbert Chen, Chrysoula Dosiou, William A. Grobman, Peter Laurberg, John H. Lazarus, Susan J. Mandel, Robin P. Peeters, and Scott Sullivan. Thyroid. Mar 2017.315-389. http://doi.org/10.1089/thy.2016.0457
2. Kalra S, Agarwal S, Aggarwal R, Ranabir S. Trimester-specific thyroid-stimulating hormone: An indian perspective. Indian J Endocr Metab 2018;22:1-4.

SODIUM,BLOOD (Method:ISE INDIRECT)	140	132 - 146	mEq/L
CHLORIDE,BLOOD (Method:ISE INDIRECT)	106	99-109	mEq/L
CREATININE, BLOOD (Method:Jaffe, alkaline picrate, kinetic)	0.65	0.5-1.1	mg/dL
URIC ACID,BLOOD (Method:Uricase/Peroxidase)	4.30	2.6-6.0	mg/dL
GLUCOSE,PP (Method:Gluc Oxidase Trinder)	100	Impaired Glucose Tolerance-140 to 199.~Diabetes>= 200.	mg/dL

The test should be performed as described by the WHO, using a glucose load containing the equivalent of 75-g anhydrous glucose dissolved in









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: F

Lab Add.

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DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit

water.

In the absence of unequivocal hyperglycemia, diagnosis requires two abnormal test results from the same sample or in two separate test samples.

Reference:

Gender

ADA Standards of Medical Care in Diabetes - 2020. Diabetes Care Volume 43, Supplement 1.

CALCIUM,BLOOD (Method:Arsenazo III)	9.80	8.7-10.4	mg/dL
POTASSIUM,BLOOD (Method:ISE INDIRECT)	4.80	3.5-5.5	mEq/L
GLUCOSE,FASTING (Method:Gluc Oxidase Trinder)	90	Impaired Fasting-100-125 .~Diabetes- >= 126.~Fasting is defined as no caloric intake for at least 8 hours.	mg/dL

In the absence of unequivocal hyperglycemia, diagnosis requires two abnormal test results from the same sample or in two separate test samples.

Reference:

ADA Standards of Medical Care in Diabetes – 2020. Diabetes Care Volume 43, Supplement 1.

*** End Of Report ***

Dr NEEPA CHOWDHURY MBBS MD (Biochemistry) Consultant Biochemist

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Patient Name





Lab Add.



: Newtown, Kolkata-700156

: Dr.MEDICAL OFFICER

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: SAYONARA SARKAR Ref Dr.

 Age
 : 28 Y 4 M 2 D

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 : 27/Jan/2024 07:56AM

Gender : F Report Date : 27/Jan/2024 11:21AM



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit
TOTAL PROTEIN IN CORTAL P. O. C.	\ D.4.TIQ		
TOTAL PROTEIN [BLOOD] ALB:GLO	•		
TOTAL PROTEIN	6.50	5.7-8.2 g/dL	g/dL
(Method:BIURET METHOD)			
ALBUMIN	4.3	3.2-4.8 g/dL	g/dL
(Method:BCG Dye Binding)			
GLOBULIN	2.20	1.8-3.2	g/dl
(Method:Calculated)	4.05	4 0 0 5	
AG Ratio	1.95	1.0-2.5	
(Method:Calculated)			
UREA,BLOOD	12.8	19-49	mg/dL
(Method:Urease with GLDH)	<u> </u>		5 .
LIPID PROFILE, GEL SERUM			
CHOLESTEROL-TOTAL	162	Desirable: < 200 mg/dL	mg/dL
(Method:Enzymatic)		Borderline high: 200-239 mg/dL	
		High: $>$ or $=240$ mg/dL	
TRIGLYCERIDES	73	Normal:: < 150,	mg/dL
(Method:GPO-Trinder)		BorderlineHigh::150-199,	
		High:: 200-499,	
		VeryHigh::>500	
HDL CHOLESTEROL	58	< 40 - Low	mg/dl
(Method:Elimination/catalase)		40-59- Optimum	
		60 - High	
LDL CHOLESTEROL DIRECT	92	OPTIMAL : <100 mg/dL,	mg/dL
(Method:Elimination / Catalase)		Near optimal/ above optimal: 100-	-
		129 mg/dL,	
		Borderline high: 130-159 mg/dL,	
		High : 160-189 mg/dL,	
		Very high : >=190 mg/dL	
VLDL	12	< 40 mg/dl	mg/dl
(Method:Calculated)		ŭ	
CHOL HDL Ratio	2.8	LOW RISK 3.3-4.4 AVERAGE RISK	
(Method:Calculated)		4.47-7.1 MODERATE RISK 7.1-11.0	
		HIGH RISK >11.0	

Reference: National Cholesterol Education Program. Executive summary of the third report of The National Cholesterol Education Program (NCEP) Expert Panel on detection, evaluation, and treatment of high blood cholesterol in adults (Adult Treatment Panel III). JAMA. May 16 2001;285(19):2486-97.

*** End Of Report ***

DR. ANANNYA GHOSH MBBS, MD (Biochemistry) Consultant Biochemist

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DEPARTMENT OF BIOCHEMISTRY

Test Name Result Bio Ref. Interval Unit

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mmol/mol

: MRD/27-01-2024/SR8672795 Lab No. Lab Add. : Newtown Kolkata-700156

Patient Name : SAYONARA SARKAR Ref Dr. : Dr.MEDICAL OFFICER

: 28 Y 4 M 2 D **Collection Date** : 27/Jan/2024 07:57AM Age

Gender :F Report Date : 27/Jan/2024 12:47PM



DEPARTMENT OF BIOCHEMISTRY

Test Name	Result	Bio Ref. Interval	Unit	
GLYCATED HAEMOGLOBIN (HBA1C),	EDTA WHOLE BLOOD			
GLYCATED HEMOGLOBIN (HBA1C)	5.3	***FOR BIOLOGICAL REFE INTERVAL DETAILS , PLEAREFER TO THE BELOW MENTIONED REMARKS/NOWITH ADDITIONAL CLINICAINFORMATION ***	ASE	

Clinical Information and Laboratory clinical interpretation on Biological Reference Interval:

Low risk / Normal / non-diabetic : <5.7% (NGSP) / < 39 mmol/mol (IFCC) Pre-diabetes/High risk of Diabetes: 5.7%-6.4% (NGSP) / 39 - < 48 mmol/mol (IFCC) : >/= 6.5% (NGSP) / > 48 mmol/mol (IFCC) Diabetics-HbA1c level

Analyzer used :- Bio-Rad-VARIANT TURBO 2.0

Method: HPLC Cation Exchange

HbA1c (IFCC)

(Method:HPLC)

Recommendations for glycemic targets

Ø Patients should use self-monitoring of blood glucose (SMBG) and HbA1c levels to assess glycemic control.

35.0

- 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.
- Ø 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 B₁₂/ 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

- 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. Sudeshna Baral M.B.B.S MD. (Biochemistry)

(Consultant Biochemist)

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DEPARTMENT OF HAEMATOLOGY

CBC WITH PLATELET (THROMBOCYTE) COU HEMOGLOBIN (Method:PHOTOMETRIC) WBC (Method:DC detection method)	<u>.8</u>	DD 12 - 15 4 - 10	g/dL
HEMOGLOBIN (Method:PHOTOMETRIC) WBC (Method:DC detection method) 11	<u>.8</u>	12 - 15	
(Method:PHOTOMETRIC) WBC (Method:DC detection method) 5.8			
WBC (Method:DC detection method) 5.8	8	4 - 10	*4040/ 1
(Method:DC detection method)	8	4 - 10	
,			*10^3/µL
	0.4	0.0 4.0	*40.407.1
RBC 3.9 (Method:DC detection method)	91	3.8 - 4.8	*10^6/µL
PLATELET (THROMBOCYTE) COUNT 19	12	150 - 450*10^3	*10^3/µL
(Method:DC detection method/Microscopy)	12	150 - 450 10 5	10 3/μΕ
DIFFERENTIAL COUNT			
NEUTROPHILS 57	,	40 - 80 %	%
(Method:Flowcytometry/Microscopy)		40 - 60 %	70
LYMPHOCYTES 30	1	20 - 40 %	%
(Method:Flowcytometry/Microscopy)	•	20 - 40 /6	70
MONOCYTES 08	}	2 - 10 %	%
(Method:Flowcytometry/Microscopy)	,	2 10 70	,,
EOSINOPHILS 04	1	1 - 6 %	%
(Method:Flowcytometry/Microscopy)			
BASOPHILS <u>01</u>	_	0-0.9%	%
(Method:Flowcytometry/Microscopy)			
CBC SUBGROUP			
HEMATOCRIT / PCV 37	. .8	36 - 46 %	%
(Method:Calculated)			
MCV 96	5.5	83 - 101 fl	fl
(Method:Calculated)			
MCH 30).2	27 - 32 pg	pg
(Method:Calculated)			
MCHC <u>31</u>	<u>.3</u>	31.5-34.5 gm/dl	gm/dl
(Method:Calculated)			
RDW - RED CELL DISTRIBUTION WIDTH 15	<u>5.7</u>	11.6-14%	%
(Method:Calculated)		0.0 05.0	a
PDW-PLATELET DISTRIBUTION WIDTH 33	5.3	8.3 - 25 fL	fL
(Method:Calculated) MPV-MEAN PLATELET VOLUME 13	. 1	7	
MPV-MEAN PLATELET VOLUME 13 (Method:Calculated)), I	7.5 - 11.5 fl	

ESR (ERYTHROCYTE SEDIMENTATION RATE), EDTA WHOLE BLOOD

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

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

ABO O

(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.

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Gender : F

Patient Name

Lab Add. : Newtown, Kolkata-700156

Ref Dr. : Dr.MEDICAL OFFICER

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Report Date : 27/Jan/2024 02:13PM



DEPARTMENT OF HAEMATOLOGY

Test Name Result Bio Ref. Interval Unit

Historical records check not performed.

*** End Of Report ***

Ridisha Champholig

Dr. Bidisha Chakraborty Consultant Pathologist MD, DNB (Pathology) Dip RC Path(UK)



Lab No. : MRD/27-01-2024/SR8672795 **Lab Add**.

 Patient Name
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 : Dr.MEDICAL OFFICER

Age : 28 Y 4 M 2 D Collection Date :

 Gender
 : F
 Report Date
 : 27/Jan/2024 12:42PM



X-RAY REPORT OF CHEST (PA)

(Rotated film)

FINDINGS:

No significant lung parenchymal lesion is seen at the visualised lung fields.

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.

Please correlate clinically.

Kindly note

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

*** End Of Report ***

DR. SUBHADRO GHOSE MD, CONSULTANT RADIOLOGIST

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 Patient Name
 : SAYONARA SARKAR
 Ref Dr.
 : Dr.MEDICAL OFFICER

 Age
 : 28 Y 4 M 2 D

 Collection Date
 : 27/Jan/2024 08:00AM

Gender : F Report Date : 27/Jan/2024 02:05PM



DEPARTMENT OF CLINICAL PATHOLOGY

Test Name	Result	Bio Ref. Interval	Unit	
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URINE ROUTINE ALL, ALL, URINE			
PHYSICAL EXAMINATION			
COLOUR	PALE YELLOW		
APPEARANCE	HAZY		
CHEMICAL EXAMINATION			
pH	5.0	4.6 - 8.0	
(Method:Dipstick (triple indicator method))			
SPECIFIC GRAVITY	1.015	1.005 - 1.030	
(Method:Dipstick (ion concentration method))			
PROTEIN	NOT DETECTED	NOT DETECTED	
(Method:Dipstick (protein error of pH indicators)/Manual)			
GLUCOSE	NOT DETECTED	NOT DETECTED	
(Method:Dipstick(glucose-oxidase-peroxidase	NOTBETEOTED	1101 52120125	
method)/Manual)			
KETONES (ACETOACETIC ACID,	NOT DETECTED	NOT DETECTED	
ACETONE)			
(Method:Dipstick (Legals test)/Manual)	DDEOENT()	NOT DETECTED	
BLOOD	PRESENT(+)	NOT DETECTED	
(Method:Dipstick (pseudoperoxidase reaction))	NEC ATIVE	NEC ATIVE	
BILIRUBIN (Method:Dipstick (azo-diazo reaction)/Manual)	NEGATIVE	NEGATIVE	
UROBILINOGEN	NEGATIVE	NEGATIVE	
(Method:Dipstick (diazonium ion reaction)/Manual)	1120/1111/2	1120,11112	
NITRITE	NEGATIVE	NEGATIVE	
(Method:Dipstick (Griess test))			
LEUCOCYTE ESTERASE	NEGATIVE	NEGATIVE	
(Method:Dipstick (ester hydrolysis reaction))			
MICROSCOPIC EXAMINATION			
LEUKOCYTES (PUS CELLS)	2-3	0-5	/hpf
(Method:Microscopy)	10.11		
EPITHELIAL CELLS	12-14	0-5	/hpf
(Method:Microscopy)	4.0	0.3	/hnf
RED BLOOD CELLS (Method:Microscopy)	1-3	0-2	/hpf
CAST	NOT DETECTED	NOT DETECTED	
(Method:Microscopy)	NOT DETECTED	NOT DETECTED	
CRYSTALS	CALCIUM OXALATE	NOT DETECTED	
(Method:Microscopy)	PRESENT	-	
BACTERIA	PRESENT(++)	NOT DETECTED	
(Method:Microscopy)	, ,		
YEAST	PRESENT	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.

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: F Gender

Age

Collection Date : 27/Jan/2024 08:00AM : 27/Jan/2024 02:05PM Report Date

DEPARTMENT OF CLINICAL PATHOLOGY

Test Name Bio Ref. Interval Unit

8. Contamination from perineum and vaginal discharge should be avoided during collection, which may falsely elevate epithelial cell count and show presence of bacteria and/or yeast in the urine.

*** End Of Report ***

Dr Mansi Gulati Consultant Pathologist MBBS, MD, DNB (Pathology)

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Gender : F Report Date : 27/Jan/2024 03:40PM



DEPARTMENT OF CARDIOLOGY REPORT OF E.C.G.

DATA

HEART RATE : 55 bpm

PR INTERVAL : 116 ms

QRS DURATION : 92 ms

QT INTERVAL : 410 ms

QTC INTERVAL : 392 ms

AXIS

P WAVE : 66 degree

QRS WAVE : 73 degree

T WAVE : 78 degree

IMPRESSION : Sinus bradycardia.

Otherwise normal ECG.

*** End Of Report ***

Dr. A C RAY
Department of Non-invasive
Cardiology

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Patient Name : SAYONARA SARKAR Ref Dr. : Dr.MEDICAL OFFICER

Age : 28 Y 4 M 2 D Collection Date :

Gender : F Report Date : 27/Jan/2024 04:46PM



DEPARTMENT OF ULTRASONOGRAPHY REPORT ON EXAMINATION OF WHOLE ABDOMEN

LIVER

Liver is normal in size (136 mm) having normal shape, regular smooth outline and of homogeneous echotexture. No focal parenchymal lesion is evident. Intrahepatic biliary radicles are not dilated. Branches of portal vein are normal.

PORTA

The appearance of porta is normal. Common Bile duct is normal (2.9 mm) with no intraluminal pathology (Calculi /mass) could be detected at its visualised part. Portal vein is normal at porta (8.0 mm).

GALL BLADDER

Gallbladder is contracted.

PANCREAS

Echogenecity appears within limits, without any focal lesion. Shape, size & position appears normal. No Calcular disease noted. Pancreatic duct is not dilated. No peri-pancreatic collection of fluid noted.

SPLEEN

Spleen is normal in size (70 mm). Homogenous and smooth echotexture without any focal lesion. Splenic vein at hilum appears normal. No definite collaterals could be detected.

<u>KIDNEYS</u>

Both kidneys are normal in shape, size (Rt. kidney 90 x 31mm. & Lt. kidney 81 x 37 mm.) axes & position. Cortical echogenecity appears normal maintaining cortico-medullary differentiation. Margin is regular and cortical thickness is uniform. No calcular disease noted. No hydronephrotic changes detected.

NB: Small non-shadowing or non-obstructive calculus may not be visualised in the USG and NCCT KUB may be done, if clinically indicated.

URETERS

Visualised part of upper ureters are not dilated.

URINARY BLADDER

Urinary bladder is distended, wall thickness appeared normal. No intraluminal pathology (calculi/mass) could be detected.

UTERUS

Uterus is anterverted, normal in size, measures 60 mm. x 53 mm. x 55 mm. Surfaces are smooth. Myometrial echotexture is homogeneous. No obvious focal mass is seen in myometrium. Endometrial echo is normal in thickness (12.8 mm.) and seen at midline. Cervix appears normal.

ADNEXA

Adnexa appear clear with no obvious mass lesion could be detected.

OVARIES

Both ovaries are bulky in size and multiple small follicles are noted peripherally with central echogenic stroma - features suggestive of polycystic ovaries.

Right ovary measures: 32 mm x 23 mm x 28 mm vol. = **10.69 cc.** Left ovary measures: 46 mm x 24 mm x 35 mm vol. = **21.03cc.**

Pouch of Douglas is free.

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IMPRESSION

Polycystic appearing bilateral ovaries.

Kindly note

- Ultrasound is not the modality of choice to rule out subtle bowel lesion.
- Please Intimate us for any typing mistakes and send the report for correction within 7 days.
- 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.

DR. H S MOHANTY Consultant Radiologist MBBS , DNB (Radio-Diagnosis)

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SURAKSHA DIAGNOSTIC,RAJARHAT,KOLKATA BIO-RAD VARIANT-II TURBO CDM5.4. SN-16122

PATIENT REPORT V2TURBO A1c 2.0

Patient Data Analysis Data

Sample ID: D02132545094 Analysis Performed: 27/JAN/2024 11:43:28

Patient ID: SR8672795 Injection Number: 10294
Name: SAYONARA SARKAR Run Number: 202
Physician: Rack ID: 0007

Sex: F Tube Number: 7

DOB: Report Generated: 27/JAN/2024 11:51:12

Operator ID: TRISHA

Comments:

	NGSP		Retention	Peak
Peak Name	%	Area %	Time (min)	Area
A1a		1.3	0.164	23255
A1b		0.8	0.234	14760
F		0.7	0.280	12823
LA1c		1.9	0.409	32978
A1c	5.3		0.517	77598
P3		3.4	0.789	61352
P4		1.3	0.870	22651
Ao		86.2	0.991	1536946

Total Area: 1,782,363

HbA1c (NGSP) = 5.3 % HbA1c (IFCC) = 35 mmol/mol

