

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Binoy Karmakar MRN : 17510001215223 Gender/Age : MALE , 33y (27/12/1989)

Collected On : 09/09/2023 10:02 AM Received On : 09/09/2023 11:54 AM Reported On : 09/09/2023 01:13 PM

Barcode : BR2309090039 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7003358063

IMMUNOHAEMATOLOGY

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group (Column Agglutination Technology)	B	-
RH Typing (Column Agglutination Technology)	Positive	-

--End of Report--



Dr. Amal Kumar Saha
MBBS, D.PED, ECFMG
Blood Bank Officer

Note

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.



DEPARTMENT OF LABORATORY MEDICINE

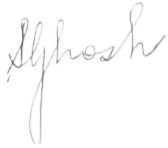
Final Report

Patient Name : Mr Binoy Karmakar MRN : 17510001215223 Gender/Age : MALE , 33y (27/12/1989)
Collected On : 09/09/2023 10:02 AM Received On : 09/09/2023 10:25 AM Reported On : 09/09/2023 11:13 AM
Barcode : 802309090455 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)
Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7003358063

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Colorimetric -Diazo Method)	0.64	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Calculated)	0.22	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Colorimetric Endpoint)	0.42	-	-
Total Protein (Biuret Method)	8.00	g/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.90	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.1	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.58	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	50	U/L	17.0-59.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	78 H	U/L	<50.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	67	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	28	U/L	15.0-73.0

Patient Name : Mr Binoy Karmakar MRN : 17510001215223 Gender/Age : MALE , 33y (27/12/1989)



Dr. Sujata Ghosh
 PhD, Biochemistry
 Biochemist M.Sc , Ph. D

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.78	mg/dL	0.66-1.25
eGFR	114.7	mL/min/1.73m ²	-
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric - Urease)	7.14 L	mg/dL	9.0-20.0
Serum Sodium (Direct ISE - Potentiometric)	139	mmol/L	137.0-145.0
Serum Potassium (Direct ISE - Potentiometric)	4.2	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	227 H	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic Endpoint Colorimetric)	132	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	39 L	mg/dL	40.0-60.0
Non-HDL Cholesterol	188.0	-	-
LDL Cholesterol (Non LDL Selective Elimination, CHOD/POD)	148.2 H	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190

Patient Name : Mr Binoy Karmakar MRN : 17510001215223 Gender/Age : MALE , 33y (27/12/1989)			
VLDL Cholesterol (Calculated)	26.4	mg/dL	0.0-40.0
Cholesterol /HDL Ratio	5.9	-	-

--End of Report--



Dr. Debasree Biswas
MD, Biochemistry
Clinical Biochemist MBBS, MD



Dr. Sujata Ghosh
PhD, Biochemistry
Biochemist M.Sc , Ph. D

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- Results relate to the sample only.
- Kindly correlate clinically.
(Lipid Profile, -> Auto Authorized)
(Blood Urea Nitrogen (Bun), -> Auto Authorized)
(Serum Sodium, -> Auto Authorized)
(Serum Potassium, -> Auto Authorized)
(CR -> Auto Authorized)



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Patient Name : Mr Binoy Karmakar MRN : 17510001215223 Gender/Age : MALE , 33y (27/12/1989)

Collected On : 09/09/2023 10:02 AM Received On : 09/09/2023 10:25 AM Reported On : 09/09/2023 11:29 AM

Barcode : 812309090328 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7003358063

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	13.1	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	4.54	millions/ μ L	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	40.0	%	40.0-54.0
MCV (Mean Corpuscular Volume) (Derived From RBC Histogram)	88.1	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	28.7	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.6	%	31.5-34.5
Red Cell Distribution Width (RDW) (Calculated)	13.6	%	11.6-14.0
Platelet Count (Electrical Impedance)	246	$10^3/\mu$ L	150.0-400.0
Mean Platelet Volume (MPV) (Derived)	10.3	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	6.3	$10^3/\mu$ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCSn Technology)	44.8	%	40.0-75.0
Lymphocytes (VCSn Technology)	44.7 H	%	20.0-40.0
Monocytes (VCSn Technology)	6.8	%	2.0-10.0
Eosinophils (VCSn Technology)	2.9	%	1.0-6.0



Patient Name : Mr Binoy Karmakar MRN : 17510001215223 Gender/Age : MALE , 33y (27/12/1989)			
Basophils (VCSn Technology)	0.8	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	2.83	10 ³ /μL	1.8-7.8
Absolute Lymphocyte Count (Calculated)	2.82	10 ³ /μL	1.0-4.8
Absolute Monocyte Count (Calculated)	0.43	10 ³ /μL	0.0-0.8
Absolute Eosinophil Count (Calculated)	0.19	10 ³ /μL	0.0-0.45
Absolute Basophil Count (Calculated)	0.06	10 ³ /μL	0.0-0.2

As per the recommendation of International Council for Standardization in Hematology, the differential counts are additionally being reported as absolute numbers.

--End of Report--



Dr. Sanjib Kumar Pattari
MD, Pathology
Consultant Pathology MBBS, MD. Reg No : 53635 (WBMC)

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- Kindly correlate clinically.



ADULT TRANS-THORACIC ECHO REPORT

PATIENT NAME : Mr Binoy Karmakar
GENDER/AGE : Male, 33 Years
LOCATION : -

PATIENT MRN : 17510001215223
PROCEDURE DATE : 09/09/2023 01:07 PM
REQUESTED BY : EXTERNAL



IMPRESSION

- NO SIGNIFICANT ECHOCARDIOGRAPHIC ABNORMALITY DETECTED.

FINDINGS

CHAMBERS

LEFT ATRIUM : NORMAL SIZED
RIGHT ATRIUM : NORMAL SIZED
LEFT VENTRICLE : NORMAL SIZED CAVITY. NO REGIONAL WALL MOTION ABNORMALITY. GOOD SYSTOLIC FUNCTION WITH EJECTION FRACTION: 66%. NORMAL DIASTOLIC FLOW PATTERN.
RIGHT VENTRICLE : NORMAL SIZE AND THICKNESS WITH NORMAL FUNCTION

VALVES

MITRAL : NORMAL.
AORTIC : NORMAL.
TRICUSPID : NORMAL.
PULMONARY : NORMAL.

SEPTAE

IAS : INTACT
IVS : INTACT

ARTERIES AND VEINS

AORTA : NORMAL, LEFT AORTIC ARCH
PA : NORMAL SIZE
IVC : NORMAL SIZE & COLLAPSIBILITY
SVC & CS : NORMAL
PULMONARY VEINS : NORMAL

PERICARDIUM : NORMAL PERICARDIAL THICKNESS. NO EFFUSION

INTRACARDIAC MASS : NO TUMOUR, THROMBUS OR VEGETATION SEEN

OTHERS : NIL.

Langata Das

MR BINOY KARMAKAR (17510001215223)

DR. SANGEETA DAS
CONSULTANT GENERAL MEDICINE MBBS

SANJOY CHOWDHURY
TECHNICIAN

09/09/2023 01:07 PM

PREPARED BY : NITA PAUL(308573)
GENERATED BY : JHEELAM DASGUPTA(301555)

PREPARED ON : 09/09/2023 01:08 PM
GENERATED ON : 09/09/2023 01:40 PM

DEPARTMENT OF LABORATORY MEDICINE

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Collected On : 09/09/2023 10:02 AM Received On : 09/09/2023 10:25 AM Reported On : 09/09/2023 11:59 AM

Barcode : 812309090327 Specimen : Whole Blood - ESR Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7003358063

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Modified Westergren Method)	25 H	mm/1hr	0.0-10.0

--End of Report--



Dr. Rakhi Mandal
MD, Pathology
Consultant Pathology MBBS, MD

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DEPARTMENT OF LABORATORY MEDICINE

Final Report

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Collected On : 09/09/2023 10:02 AM Received On : 09/09/2023 10:24 AM Reported On : 09/09/2023 10:58 AM

Barcode : 802309090456 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7003358063

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Glucose Oxidase, Peroxidase)	97	mg/dL	Normal: 70-99 Pre-diabetes: 100-125 Diabetes: => 126 ADA standards 2019

--End of Report--



Dr. Debasree Biswas
MD, Biochemistry
Clinical Biochemist MBBS, MD



Dr. Sujata Ghosh
PhD, Biochemistry
Biochemist M.Sc , Ph. D

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(Fasting Blood Sugar (FBS) -> Auto Authorized)



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Barcode : 802309090457 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

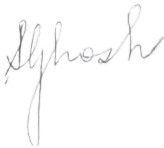
Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7003358063

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC)	5.7 H	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	116.89	-	-

Interpretation:
1. HbA1C above 6.5% can be used to diagnose diabetes provided the patient has symptoms. If the patient does not have symptoms with HbA1C>6.5%, repeat measurement on further sample. If the repeat test result is <6.5%, consider as diabetes high risk and repeat measurement after 6 months.
2. HbA1C measurement is not appropriate in diagnosing diabetes in children, suspicion of type 1 diabetes, symptoms of diabetes for less than 2 months, pregnancy, hemoglobinopathies, medications that may result sudden increase in glucose, anemia, renal failure, HIV infection, malignancies, severe chronic hepatic, and renal disease.
3. Any sample with >15% should be suspected of having a haemoglobin variant.

--End of Report-



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Biochemist M.Sc , Ph. D

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Final Report

Patient Name : Mr Binoy Karmakar MRN : 17510001215223 Gender/Age : MALE , 33y (27/12/1989)

Collected On : 09/09/2023 03:57 PM Received On : 09/09/2023 04:12 PM Reported On : 09/09/2023 04:54 PM

Barcode : 802309090811 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7003358063

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Glucose Oxidase, Peroxidase)	130	mg/dL	Normal: 70-139 Pre-diabetes: 140-199 Diabetes: => 200 ADA standards 2019

Interpretations:

(ADA Standards Jan 2017)

FBS can be less than PPBS in certain conditions like post prandial reactive hypoglycaemia, exaggerated response to insulin, subclinical hypothyroidism, very lean/anxious individuals. In non-diabetic individuals, such patients can be followed up with GTT.

--End of Report--



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Clinical Biochemist MBBS, MD



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Barcode : 802309090455 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7003358063

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Colorimetric -Diazo Method)	0.64	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Calculated)	0.22	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Colorimetric Endpoint)	0.42	-	-
Total Protein (Biuret Method)	8.00	g/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.90	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.1	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.58	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	50	U/L	17.0-59.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	78 H	U/L	<50.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	67	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	28	U/L	15.0-73.0



Patient Name : Mr Binoy Karmakar MRN : 17510001215223 Gender/Age : MALE , 33y (27/12/1989)



Dr. Sujata Ghosh
PhD, Biochemistry
Biochemist M.Sc , Ph. D

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.78	mg/dL	0.66-1.25
eGFR	114.7	mL/min/1.73m ²	-
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric - Urease)	7.14 L	mg/dL	9.0-20.0
Serum Sodium (Direct ISE - Potentiometric)	139	mmol/L	137.0-145.0
Serum Potassium (Direct ISE - Potentiometric)	4.2	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	227 H	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic Endpoint Colorimetric)	132	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	39 L	mg/dL	40.0-60.0
Non-HDL Cholesterol	188.0	-	-
LDL Cholesterol (Non LDL Selective Elimination, CHOD/POD)	148.2 H	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190

Page 2 of 3

Patient Name : Mr Binoy Karmakar MRN : 17510001215223 Gender/Age : MALE , 33y (27/12/1989)			
VLDL Cholesterol (Calculated)	26.4	mg/dL	0.0-40.0
Cholesterol /HDL Ratio	5.9	-	-

--End of Report--



Dr. Debasree Biswas
MD, Biochemistry
Clinical Biochemist MBBS, MD



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(Lipid Profile, -> Auto Authorized)
(Blood Urea Nitrogen (Bun), -> Auto Authorized)
(Serum Sodium, -> Auto Authorized)
(Serum Potassium, -> Auto Authorized)
(CR -> Auto Authorized)



DEPARTMENT OF LABORATORY MEDICINE

Final Report

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Collected On : 09/09/2023 10:02 AM Received On : 09/09/2023 10:25 AM Reported On : 09/09/2023 12:17 PM

Barcode : 802309090455 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7003358063

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence Immunoassay (CLIA))	1.44	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence Immunoassay (CLIA))	12.7 H	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence Immunoassay (CLIA))	3.000	uIU/ml	0.4001-4.049

--End of Report--



Dr. Sujata Ghosh
PhD, Biochemistry
Biochemist M.Sc , Ph. D

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Final Report

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 Collected On : 09/09/2023 10:02 AM Received On : 09/09/2023 10:51 AM Reported On : 09/09/2023 11:30 AM
 Barcode : 822309090033 Specimen : Urine Consultant : EXTERNAL(EXTERNAL)
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7003358063

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
URINE ROUTINE & MICROSCOPY			
PHYSICAL EXAMINATION			
Volume	45	ml	-
Colour	Straw	-	-
Appearance	Clear	-	-
CHEMICAL EXAMINATION			
pH(Reaction) (Mixed PH Indicator)	6.0	-	4.8-7.5
Sp. Gravity (Dual Wavelength Reflectance)	1.005	-	1.002-1.030
Protein (Protein Error Of PH Indicator)	Trace	-	Nil
Urine Glucose (Glucose Oxidase, Peroxidase)	Negative	-	Negative
Ketone Bodies (Legal's Method)	Negative	-	Negative
Bile Salts (Dual Wavelength Reflectance/Manual)	Negative	-	Negative
Bile Pigment (Bilirubin) (Coupling Of Bilirubin With Diazonium Salt)	Negative	-	Negative
Urobilinogen (Coupling Reaction Of Urobilinogen With A Stable Diazonium Salt In Buffer)	Normal	-	Normal
Urine Leucocyte Esterase (Enzymatic, Indoxyl Ester And Diazonium Salt)	Negative	-	Negative
Blood Urine (Pseudo - Enzymatic Test, Organic Peroxidase And Chromogen)	Trace	-	-
Nitrite (Modified Griess Reaction)	Negative	-	Negative

Patient Name : Mr Binoy Karmakar MRN : 17510001215223 Gender/Age : MALE , 33y (27/12/1989)

MICROSCOPIC EXAMINATION

Pus Cells	0-2	/hpf	1-2
RBC	0-2	/hpf	0 - 3
Epithelial Cells	Occasional	/hpf	2-3
Crystals	NIL	-	-
Casts	NIL	-	-

--End of Report--



Dr. Sanjib Kumar Pattari
MD, Pathology
Consultant Pathology MBBS, MD. Reg No : 53635 (WBMC)

Note

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Patient Name	Binoy Karmakar	Requested By	EXTERNAL
MRN	17510001215223	Procedure DateTime	2023-09-09 14:38:31
Age/Sex	33Y 8M/Male	Hospital	NH-RTIICS

USG OF WHOLE ABDOMEN (SCREENING)

LIVER:

Normal in size and mildly increased in echogenicity. No focal SOL seen. Intrahepatic biliary radicles not dilated.

PORTAL VEIN:

Portal vein is normal in calibre at porta. There is no intraluminal thrombus.

GALL BLADDER:

Optimally distended. No calculus or sludge seen within it. Wall not thickened.

CBD:

Common duct is not dilated at porta. No intraluminal calculus seen.

SPLEEN:

Normal in size measuring 10.1 cm and echogenicity. No focal SOL seen.

PANCREAS:

Normal in size and echogenicity. Duct not dilated. No calcification or focal SOL seen.

KIDNEYS:

Both kidneys are normal in size, position and echogenicity. Corticomedullary differentiation maintained.

No hydronephrosis, calculus or mass is seen.

Right kidney and left kidney measures 10.5 cm and 10.2 cm respectively.

URINARY BLADDER:

Normal in capacity. Wall not thickened. No intraluminal calculus or mass seen. Post void residual urine insignificant.

PROSTATE:

Normal in size measuring approx. 2.7 x 2.6 x 3.2 cm (12 gms), homogenous in echotexture and smooth in outline.

IMPRESSION:

- Fatty liver Grade I.

NOT FOR MEDICO LEGAL PURPOSES

This is only a Radiological Impression and not Diagnosis. Like all diagnostic modalities, USG also has its limitations. Therefore USG report should be interpreted in correlation with clinical and pathological findings.

All typing and topographical error is regretted and if detected at any time is correctable. Please inform us immediately.



Dr. Suranjana Bhattacharjee

Consultant Sonologist

Patient Name	Binoy Karmakar	Requested By	EXTERNAL
MRN	17510001215223	Procedure DateTime	2023-09-09 12:17:58
Age/Sex	33Y 8M/Male	Hospital	NH-RTIICS

CHEST RADIOGRAPH (PA VIEW)

FINDINGS :

- Trachea is normal and is central.
- The cardiac shadow is normal in contour.
- Mediastinum and great vessels are within normal limits.
- The hilar shadows are within normal limits.
- The costo-phrenic angles are clear.
- The lung fields and bronchovascular markings appear normal.
- The visualized bones and soft tissue structures appear normal.
- Both the diaphragmatic domes appear normal.

IMPRESSION:

- **No significant radiological abnormality detected.**

NOT FOR MEDICO LEGAL PURPOSES

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All typing and topographical error is regretted and if detected at any time is correctable. Please inform us immediately.

A handwritten signature in purple ink, appearing to be 'Sc', located in the upper left quadrant of the page.

Dr. Sarbari Chatterjee
Consultant Radiologist