



# SNAF INDIA

83/1, Bidhan Sarani 2nd Floor, Room No -3  
Kolkata, West Bengal Pin - 700 004

☎ - 9038046000, 9062400555

Patient Name ▶ MR SUMAN ROY  
Age/Gender ▶ 44 Years / Male  
Refer By ▶ DR. SHYAMAL GHOSH  
Associate Code ▶ Lab

Bill Number ▶ 230101001  
Sample Date ▶ 01-01-2023 01:43 PM  
Reporting Date ▶ 12-01-2023 08:35 PM



## DEPARTMENT OF BIOCHEMISTRY

Investigation	Result	Unit	Bio. Ref. Interval
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### LIVER FUNCTION TEST ( LFT )

<input checked="" type="checkbox"/> BILIRUBIN Total Method: IFSC without P5P	↑ 1.2	mg/dL	upto 1.0 mg/dl
<input checked="" type="checkbox"/> BILIRUBIN Direct	↑ 0.7	mg/dL	upto 0.25mg/dl
<input checked="" type="checkbox"/> BILIRUBIN Indirect	↑ 0.5	mg/dL	upto 0.25mg/dl
<input checked="" type="checkbox"/> SGOT (AST)	↑ 55	U/L	Men <41 Women <31
<input checked="" type="checkbox"/> SGPT (ALT)	39	U/L	Men <41 Women <31
<input checked="" type="checkbox"/> Alkaline Phosphatase	278	U/L	Adult: 102 – 306 U/L Child: (<15yrs210 – 810)
<input checked="" type="checkbox"/> Total Protein	7.89	g/dL	6.0 – 8.0 g/dl
<input checked="" type="checkbox"/> Albumin	↑ 6.9	g/dL	3.7 – 5.3 g/dl
<input checked="" type="checkbox"/> Globulin	↓ 0.99	g/dL	2.3 – 3.6 g/dl
<input checked="" type="checkbox"/> A/G Ratio	↑ 6.97	.	1.0 – 2.3

Sample Type: Serum

#### Interpretation:

Liver Function Test (LFT) is a profile of blood tests that provide useful information about the state of the liver. It measures the levels of proteins, liver enzymes and bilirubin in your blood. LFT test includes parameters such as Albumin Test, Bilirubin Test, SGOT, SGPT and more.

--:End of Report:--

(Head Lab Technician)

**DR. SUKAMAL DAS**  
MBBS(kol), DIP CARD, FIACP, DMRT(I.P.G.M.E)  
Registration no- 54285 of WBME





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## DEPARTMENT OF BIOCHEMISTRY

Investigation	Result	Unit	Bio. Ref. Interval
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### 🔹 LIPID PROFILE

<input checked="" type="checkbox"/> Cholesterol Total	178	mg/dL	Normal < 200 Borderline High: 200-239
<input checked="" type="checkbox"/> Triglycerides	↑ 166	mg/dL	Normal < 150 Borderline High 150 – 199
<input checked="" type="checkbox"/> HDL Cholesterol	↑ 70	mg/dL	Acceptable Men-55 Women-65
<input checked="" type="checkbox"/> LDL Cholesterol	74.8	mg/dL	Optimal -129 Borderline High 130 – 159
<input checked="" type="checkbox"/> VLDL Cholesterol	33.2	mg/dL	5.0 – 40.0
<input checked="" type="checkbox"/> Non-HDL Cholesterol	↑ 134	mg/dL	< 130
<input checked="" type="checkbox"/> Cholesterol : HDL	2.54	.	< 5
<input checked="" type="checkbox"/> LDL : HDL	1.07	.	< 4.3

Sample Type: Serum

#### Interpretation:

A lipid profile is a blood test that measures the amount of cholesterol and fats called triglycerides in the blood. These measurements give the doctor a quick snapshot of what's going on in your blood. Cholesterol and triglycerides in the blood can clog arteries, making you more likely to develop heart disease.

--:End of Report:--

*Phanishankar*  
(Head Lab Technician)

*Sukamal Das*  
**DR. SUKAMAL DAS**  
MBBS(kol), DIP CARD, FIACP, DMRT(I.P.G.M.E)  
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## DEPARTMENT OF BIOCHEMISTRY

Investigation	Result	Unit	Bio. Ref. Interval
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### 🔹 KIDNEY PANEL; ( KFT )

<input checked="" type="checkbox"/> Urea	↑ 44.00	mg/dL	13.00 - 43.00 mg/dL
<input checked="" type="checkbox"/> Creatinine	↓ 0.65	mg/dL	0.70 - 1.30 mg/dL
<input checked="" type="checkbox"/> Uric Acid	↓ 2.35	mg/dL	3.50 - 7.20 mg/dL
<input checked="" type="checkbox"/> Calcium, Total	↑ 11.25	mg/dL	8.70 - 10.40 mg/dL
<input checked="" type="checkbox"/> Phosphorus	↑ 6.22	mg/dL	2.40 - 5.10 mg/dL
<input checked="" type="checkbox"/> Alkaline Phosphatase (ALP)	↓ 29.99	U/L	30.00 - 120.00 U/L
<input checked="" type="checkbox"/> Total Protein	↑ 8.99	g/dL	5.70 - 8.20 g/dL
<input checked="" type="checkbox"/> Albumin	3.33	g/dL	3.20 - 4.80 g/dL
<input checked="" type="checkbox"/> Sodium	↑ 150.55	mEq/L	136.00 - 145.00 mEq/L
<input checked="" type="checkbox"/> Potassium	4.55	mEq/L	3.50 - 5.10 mEq/L
<input checked="" type="checkbox"/> Chloride	101.11	mEq/L	98.00 - 107.00 mEq/L

Sample Type: Serum

#### Interpretation:

Kidney Function Test (KFT/RFT Test) is a profile of biochemistry blood tests that are useful to assess the renal function. KFT test is also commonly known as Renal Function Test, RFT Test, Kidney Profile or Kidney Panel.

-:End of Report:-

*Chaudhary*  
(Head Lab Technician)

*Sukamal Das*  
**DR. SUKAMAL DAS**  
MBBS(kol), DIP CARD, FIACP, DMRT(I.P.G.M.E)  
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## DEPARTMENT OF BIOCHEMISTRY

Investigation	Result	Unit	Bio. Ref. Interval
<b>THYROID PROFILE ( T3,T4,TSH ) M: CLIA (CLIA)</b>			
<input checked="" type="checkbox"/> T3	↑ 1.95	ng/mL	ADULTS : 0.60- 1.81 ng/ml CHILDREN UPTO 1Yrs : 0.6-2.0 g/ml CHILDREN 1-10 YRS : 1.0 -2.5 ng/ml
<input checked="" type="checkbox"/> T4	9.78	µg/dL	ADULTS : 5.1 - 12.45 ug/dL CHILDREN 1-10Yrs : 6.5 - 15.0 ug/dL
<input checked="" type="checkbox"/> TSH	4.35	µIU/mL	0.35 to 5.50 µIU/mL

Sample Type: Serum

- Interpretation:**
1. 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.
  2. Alteration in concentration of Thyroid hormone binding protein can profoundly affect Total T3 and/or Total T4 levels especially in pregnancy and in patients on steroid therapy.
  3. Unbound fraction ( Free,T4 /Free,T3) of thyroid hormone is biologically active form and correlate more closely with clinical status of the patient than total T4/T3 concentration
  4. Values <0.03 uIU/mL need to be clinically correlated due to presence of a rare TSH variant in some individuals

<b>BLOOD SUGAR</b>			
<input checked="" type="checkbox"/> FASTING	↑ 165	mg/dL	70-110 mg/dL
<input checked="" type="checkbox"/> POSTPRANDIAL	↑ 220	mg/dL	70-150 mg/dL

Sample Type: Blood

- Interpretation:**
- Blood samples are generally used to screen for diabetes. Your doctor will order a fasting blood sugar (FBS) test. This test measures your blood sugar levels, or a glycosylated hemoglobin, also called a hemoglobin A1C test. The results of this test reflect your blood sugar levels over the previous 90 days.

--:End of Report:--

*Phandhary*  
(Head Lab Technician)

*Sukamal Das*  
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## DEPARTMENT OF HAEMATOLOGY

Investigation	Result	Unit	Bio. Ref. Interval
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### COMPLETE BLOOD COUNT ( CBC )

<input checked="" type="checkbox"/> HEMOGLOBIN Method: Cyanmethaemoglobin	↑ 17	gms%	12 - 15 gms%
<input checked="" type="checkbox"/> TOTAL R.B.C. Method: Electronic Counting	↑ 5.5	m/cumm	3.5 - 4.5 m/cumm
<input checked="" type="checkbox"/> PCV	↑ 49	%	37 - 47 %
<input checked="" type="checkbox"/> MCV Method: Calculated	89.09	fL	80 - 95 fL
<input checked="" type="checkbox"/> MCH Method: Calculated	30.91	pg	27 - 32 pg
<input checked="" type="checkbox"/> MCHC Method: Calculated	34.69	%	32-36 %
<input checked="" type="checkbox"/> TOTAL LEUCOCYTE COUNT Method: Electronic Counting	5500	/cumm	4000 - 11000 /cumm
<input checked="" type="checkbox"/> TOTAL GRANULOCYTE COUNT	3560	/cumm	2000 - 7500 /cumm
<input checked="" type="checkbox"/> TOTAL LYMPHOCYTE COUNT	3455	/cumm	1500 - 4500 /cumm
<input checked="" type="checkbox"/> PLATELET COUNT Method: Electronic Counting	↓ 1.2	lakhs/cumm	1.5-4 lakhs/cumm

### W.B.C. DIFFERENTIAL COUNT

<input checked="" type="checkbox"/> NEUTROPHILS	65	%	40-70 %
<input checked="" type="checkbox"/> LYMPHOCYTES	25	%	20-45 %
<input checked="" type="checkbox"/> MONOCYTES	6	%	2 - 10 %
<input checked="" type="checkbox"/> EOSINOPHILS	3	%	1-6 %
<input checked="" type="checkbox"/> BASOPHILS	1	%	00-01 %

**RBC MORPHOLOGY:** RBC Mild Microcytic With Hypochromia. Platelets are adequate on smear.

**Instrument used:** Internationally Standardized Fully Automated Hematology Analyzer

Sample Type: Blood

**Interpretation:** CBC helps healthcare providers detect a range of disorders and conditions. It also checks your blood for signs of medication side effects.

--:End of Report:--

*Phandhary*  
(Head Lab Technician)

*Sukamal Das*  
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## DEPARTMENT OF MICROBIOLOGY

Investigation	Result	Unit	Bio. Ref. Interval
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### URINE ROUTINE EXAMINATION

. . .

### PHYSICAL EXAMINATION

<input checked="" type="checkbox"/> Quantity received	35 ML
<input checked="" type="checkbox"/> Colour	Pale Yellow
<input checked="" type="checkbox"/> Appearance	Clear
<input checked="" type="checkbox"/> Specific gravity	1.020
<input checked="" type="checkbox"/> Sediment	Absent
<input checked="" type="checkbox"/> Phenomenon Blood	Nil

### CHEMICAL EXAMINATION

<input checked="" type="checkbox"/> ALBUMIN	Nil
<input checked="" type="checkbox"/> SUGAR	Nil
<input checked="" type="checkbox"/> KETONE	Absent
<input checked="" type="checkbox"/> UROBILINOGEN	Normal
<input checked="" type="checkbox"/> NITRITES	Nil
<input checked="" type="checkbox"/> BILE SALT	Absent
<input checked="" type="checkbox"/> BILE PIGMENT	Present

### MICROSCOPIC EXAMINATION

<input checked="" type="checkbox"/> RBC'S	Nil
<input checked="" type="checkbox"/> PUS CELLS	1-2 /hpf
<input checked="" type="checkbox"/> EPITHELIAL CELLS	5-12 /hpf
<input checked="" type="checkbox"/> CASTS	Nil
<input checked="" type="checkbox"/> CRYSTALS	Nil
<input checked="" type="checkbox"/> ANY OTHER	Nil

### IMPRESSION: Normal Test

Sample Type: Urine

*Phandhary*  
(Head Lab Technician)

*Sukamal Das*  
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## DEPARTMENT OF SEROLOGY

Investigation	Result	Unit	Bio. Ref. Interval
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### WIDAL TEST, SERUM (Slide Agglutination)

<input checked="" type="checkbox"/> Salmonella typhi O (TO)	Non Reactive
<input checked="" type="checkbox"/> Salmonella typhi H (TH)	Non Reactive
<input checked="" type="checkbox"/> Salmonella paratyphi A, H (AH)	Reactive
<input checked="" type="checkbox"/> Salmonella paratyphi B, H (BH)	Non Reactive

#### Note:

1. Titres 1:80 and above of "O" antigen & 1:160 and above of "H" antigen are significant
2. Rising titres are significant
3. The recommended Widal test is by Tube Agglutination Method

Sample Type: Blood

--:End of Report:--

*Chaudhary*  
(Head Lab Technician)

*Sukamal Das*  
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Patient Name ▶ MR SUMAN ROY  
Age/Gender ▶ 44 Years / Male  
Refer By ▶ DR.SHAYAM VERMA  
Associate Code ▶ Lab

Bill Number ▶ 230115001  
Sample Date ▶ 15-01-2023 08:18 PM  
Reporting Date ▶ 15-01-2023 08:21 PM



## DEPARTMENT OF USG

### USG OF WHOLE ABDOMEN MALE

**LIVER:** Liver is normal in size and has homogeneous echopattern. No focal lesion is seen. Intrahepatic biliary radicles are not dilated.

**PORTA:** Portal vein is normal and measures 10 mm. in diameter.

**GALLBLADDER:** Gallbladder is normal in size, shape, contour and wall thickness. No calculus or mass lesion is seen.

**CBD:** Common bile duct is not dilated and measures 4 mm. in diameter.

**PANCREAS:** Pancreas is normal in size, shape, outline and has normal echotexture. Pancreatic duct is not dilated. No focal lesion is seen. No calculus or calcification is seen.

**SPLEEN:** Spleen is normal in size with homogeneous echopattern. Spleen span is 9.0 cm.

**RETROPERITONEUM:** Aorta and IVC are normal. No enlarged pre and para-aortic lymph nodes are seen. No free fluid is seen in the abdomen.

**KIDNEY:** Both kidneys are normal in size, shape, outline, position and show normal corticomedullary differentiation maintaining a normal cortical thickness. No evidence of any hydronephrosis, renal calculus or mass lesion is seen. Right kidney = 9.6 cm. and Left kidney = 10.7 cm.

**URETER:** Both ureters are not visualized hence not dilated.

### URINARY BLADDER :

Urinary bladder is seen normal in size, shape and wall thickness. No intraluminal lesion is seen. Post-voiding study show no significant residual urine.

### PROSTATE :

Prostate is normal in size with homogeneous echopattern.

Prostate measures = 2.7 x 2.9 x 3.0 cm.

Prostate volume = 12 ml.

\* No intra-abdominal mass lesion is seen.

\* Bowel loops are not dilated.

\* Mesenteric lymph nodes are not enlarged.

### IMPRESSION

\*Tenderness is evident over stomach and duodenum with pressure by usg probe .

\*Normal study otherwise.

  
(Head Lab Technician)

  
Dr. Vikas Rai  
DMRE, DNB, MD (Radiology)  
Reg No.: 59134 (WBMC)

