

## LABORATORY INVESTIGATION REPORT

<b>Patient Name</b> : Mr. Suprobin Roy	<b>Age/Sex</b> : 26 Year(s)/Male
<b>UHID</b> : NMHK.2118333	<b>Order Date</b> : 27/11/2021 10:56
<b>Episode</b> : OP	
<b>Ref. Doctor</b> : NMH	<b>Mobile No</b> : 9007326661
<b>Address</b> : CHAK RAJU MOLLA ROAD , pailan ,Kolkata,West Bengal ,700104	<b>Facility</b> : NARAYAN MEMORIAL HOSPITAL

### Biochemistry

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
---------------	---------	-------	----------------------

Sample No : 07H0049071	Collection Date : 27/11/21 11:49	Ack Date :	Report Date : 27/11/21 18:38
------------------------	----------------------------------	------------	------------------------------

#### KIDNEY FUNCTION TEST

##### SERUM CREATININE

###### SAMPLE : SERUM

SERUM CREATININE	0.8	mg/dl	0.7 - 1.2
<i>Jaffe Gen2 Compensated</i>			

##### BLOOD UREA NITROGEN

BLOOD UREA NITROGEN	7.94	mg/dl	6 - 20
<i>Calculated</i>			

##### URIC ACID

###### SAMPLE : SERUM

URIC ACID	8.1 ▲	mg/dl	3.4 - 7
<i>Enzymatic Colorimetric</i>			

#### LIVER FUNCTION TEST ( LFT )

###### SAMPLE : SERUM

TOTAL BILIRUBIN	0.7 ▲	mg/dl	<1.1
<i>Diazo Method</i>			
DIRECT BILIRUBIN	0.1	mg/dl	0 - 0.2
<i>Diazo Method</i>			
INDIRECT BILIRUBIN	0.6	mg/dl	0.2 - 0.9
<i>Calculated</i>			
SGPT (ALT)	36 ▲	U/L	0 - 34
<i>IFCC Without Pyridoxal Phosphate</i>			
SGOT (AST)	37 ▲	U/L	0 - 31
<i>IFCC Without Pyridoxal Phosphate</i>			
ALKALINE PHOSPHATASE	86	U/L	53 - 128
<i>IFCC</i>			
TOTAL PROTEIN	7.5	g/dl	6.4 - 8.2
<i>Biuret</i>			
ALBUMIN	4.9	gm/dl	3.5 - 5.2
<i>Bromocresol Green</i>			
GLOBULIN	2.6	g/dl	2 - 3.5
<i>Calculated</i>			
ALBUMIN:GLOBULIN	1.9	-	1.1 - 2.5
<i>Calculated</i>			
GGT	27	U/L	8 - 61

**LABORATORY INVESTIGATION REPORT**

<b>Patient Name</b> : Mr. Suprobin Roy	<b>Age/Sex</b> : 26 Year(s)/Male
<b>UHID</b> : NMHK.2118333	<b>Order Date</b> : 27/11/2021 10:56
<b>Episode</b> : OP	<b>Mobile No</b> : 9007326661
<b>Ref. Doctor</b> : NMH	<b>Facility</b> : NARAYAN MEMORIAL HOSPITAL
<b>Address</b> : CHAK RAJU MOLLA ROAD , pailan ,Kolkata,West Bengal ,700104	

*Enzymatic colorimetric assay*

**LIPID PROFILE**

**SAMPLE : SERUM**

TOTAL CHOLESTEROL	204	mg/dl	Desirable <200   Borderline 200-239   High >=240
<i>CHOD-PAP</i>			
HDL CHOLESTEROL	35 ▼	mg/dl	40 - 60
<i>Homogenous Enzymatic Colorimetric</i>			
LDL CHOLESTEROL	125	mg/dl	Optimal < 100   Borderline 130
<i>Homogenous Enzymatic Colorimetric</i>			
VLDL	47 ▲	mg/dl	0 - 30
<i>CALCULATED</i>			
CHOLESTEROL-HDL RATIO	5.83	-	
LDL-HDL RATIO	3.57	-	
TRIGLYCERIDES	236	mg/dl	Desirable <150   Borderline 150 - 200   High >200

*Enzymatic Colorimetric*

Sample No : 07H0049071B    Collection Date : 27/11/21 11:49    Ack Date :    Report Date : 27/11/21 18:38

**BLOOD SUGAR(F)**

**SAMPLE : PLASMA**

BLOOD SUGAR FASTING	87	mg/dl	70 - 109
<i>Hexokinase</i>			

Sample No : 07H0049121B    Collection Date : 27/11/21 15:15    Ack Date :    Report Date : 27/11/21 18:38

**BLOOD SUGAR(PP)**

**SAMPLE : PLASMA**

BLOOD SUGAR PP	103	mg/dl	70.00 - 140.00
<i>Hexokinase</i>			

End of Report



**Dr.S. Chatterjee**  
**MD, MBBS, FAACC**  
(CONSULTANT BIOCHEMIST)

Checked By



**Patient Name** : Mr. Suprobin Roy  
**UHID** : NMHK.2118333  
**Episode** : OP  
**Ref. Doctor** : NMH  
**Address** : CHAK RAJU MOLLA ROAD , pailan ,Kolkata,West Bengal ,700104

**Age/Sex** : 26 Year(s)/Male  
**Order Date** : 27/11/2021 10:56  
**Mobile No** : 9007326661  
**Facility** : NARAYAN MEMORIAL HOSPITAL

**Immunoassay**

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0049071	Collection Date : 27/11/21 11:49	Ack Date :	Report Date : 27/11/21 18:47

**THYROID FUNCTION TEST**

**SAMPLE : SERUM**

T3	1.49	ng/ml	0.6 - 1.8
<i>ECLIA</i>			
T4	7.35	ug/dL	5.4 - 11.7
<i>ECLIA</i>			
TSH	2.80	uIU/ml	Adult Male – 0.27-5.50 Adult Female – 0.27-5.50 Newborns - <25 Upto 12 years – 0.3-5

*ECLIA*

**Interpretations:**

- For diagnostic purposes, the result should always be assessed in conjunction with the patient's medical history, clinical examinations and other findings.
- The assay is unaffected by icterus (Bilirubin < 701 µmol/L or < 41 mg/dL), hemolysis (Hb < 0.621 mmol/L or < 1 g/dL), lipemia (Intralipid < 1500 mg/dL), biotin (<102 nmol/L or < 25 ng/ml), IgG < 2 g/dL and IgM < 0.5 g/dL)
- There is no high dose hook effect at TSH concentrations upto 1000 µmol/ml.
- TSH values may be transiently altered because of non thyroidal illness like several infections, liver disease, renal and heart failure, several burns, trauma and surgery etc. Drugs that decrease TSH values e.g. L-dopa, Glucocorticoid drugs that increase TSH values e.g. Iodine, Lithium, Amiodarone.
- The assay is unaffected by icterus (bilirubin < 633 µmol/L or < 37 mg/dl), hemolysis (Hb < 1.4 mmol/L or < 2.3 g/dl), lipemia (triglycerides < 28.5 mmol/L or 2500 mg/dl) and biotin (< 409 nmol or < 100 ng/ml).
- The assay is unaffected by icterus (bilirubin < 599 µmol/L or < 35 mg/dl), hemolysis (Hb < 1.2 mmol/L or < 2.0 g/dl), lipemia (Intralipid < 1800 mg/dl) and biotin (< 123 nmol or < 30 ng/ml).

**Immunology**

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0049071	Collection Date : 27/11/21 11:49	Ack Date :	Report Date : 27/11/21 16:04

**BLOOD GROUPING & Rh TYPING**

**SAMPLE : EDTA BLOOD**

BLOOD GROUP : ' B '  
RH TYPE : POSITIVE

End of Report

**Dr.S. Chatterjee**  
MD, MBBS, FAAC  
(CONSULTANT BIOCHEMIST)

**Dr.ANGKITA K. GHOSH**  
MBBS, MD(PATH)  
(CONSULTANT PATHOLOGIST)  
RegNo: 82734

Checked By





**LABORATORY INVESTIGATION REPORT**

**Patient Name** : Mr. Suprobin Roy  
**UHID** : NMHK.2118333  
**Episode** : OP  
**Ref. Doctor** : NMH  
**Address** : CHAK RAJU MOLLA ROAD , pailan ,Kolkata,West Bengal ,700104

**Age/Sex** : 26 Year(s)/Male  
**Order Date** : 27/11/2021 10:56  
**Mobile No** : 9007326661  
**Facility** : NARAYAN MEMORIAL HOSPITAL

**Hematology**

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0049071	Collection Date : 27/11/21 11:49	Ack Date :	Report Date : 27/11/21 16:22

**COMPLETE HAEMOGRAM ( CBC )**

**SAMPLE : EDTA BLOOD**

HAEMOGLOBIN (HB)	13.2	gm/dl	13 - 17
RBC COUNT	<b>5.78 ▲</b>	x10 <sup>6</sup> /ul	4.5 - 5.5
TOTAL WBC COUNT	6.7	10 <sup>3</sup> /cmm	4 - 10
PLATELET COUNT	165	10 <sup>3</sup> /cmm	150 - 410
PCV	41	%	40 - 50
MCV	<b>71 ▼</b>	fl	83 - 101
MCH	<b>23 ▼</b>	pg	27 - 32
MCHC	32	gm/dl	31.5 - 34.5
ESR	05	mm/hr	<=10
<b>DIFFERENTIAL COUNT</b>			
NEUTROPHILS	68	%	40 - 80
LYMPHOCYTES	28	%	20 - 40
MONOCYTES	02	%	2 - 10
EOSINOPHILS	02	%	1 - 6
BASOPHILS	00	%	0 - 2

**PERIPHERAL BLOOD SMEAR**

RBC Dimorphic picture.

End of Report

*Angkita K. Ghosh*

**Dr. ANGKITA K. GHOSH**  
**MBBS, MD(PATH)**  
 (CONSULTANT PATHOLOGIST)

RegNo: 82734

Checked By

**LABORATORY INVESTIGATION REPORT**

<b>Patient Name</b> : Mr. Suprobin Roy	<b>Age/Sex</b> : 26 Year(s)/Male
<b>UHID</b> : NMHK.2118333	<b>Order Date</b> : 27/11/2021 10:56
<b>Episode</b> : OP	<b>Mobile No</b> : 9007326661
<b>Ref. Doctor</b> : NMH	<b>Facility</b> : NARAYAN MEMORIAL HOSPITAL
<b>Address</b> : CHAK RAJU MOLLA ROAD , pailan ,Kolkata,West Bengal ,700104	

**Clinical Pathology**

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0049090	Collection Date : 27/11/21 12:48	Ack Date :	Report Date : 28/11/21 12:26

**URINE FOR R/E**

**SAMPLE : URINE**

**PHYSICAL EXAMINATION**

VOLUME	50	ml	
COLOUR	PALE WHITE		
APPEARANCE	CLEAR		
SPECIFIC GRAVITY	1.015		1.010 - 1.030
REACTION(pH)	ACIDIC 6.0		

**CHEMICAL EXAMINATION**

SUGAR	ABSENT	ABSENT
ALBUMIN.	ABSENT	ABSENT
BLOOD	ABSENT	ABSENT
KETONE	ABSENT	ABSENT
BILE SALT	ABSENT	ABSENT
BILE PIGMENTS	ABSENT	ABSENT

**MICROSCOPIC EXAMINATION**

PUS CELLS	2-3 / HPF	<5/HPF
EPITHELIAL CELLS	1-2 / HPF	<20/HPF
RBC	NIL	
CAST	ABSENT	ABSENT
CRYSTAL	ABSENT	ABSENT

*Please correlate clinically.*

End of Report



**Dr. MAINAK CHAKRABORTY**  
**MBBS, MD(PATH)**  
(CONSULTANT PATHOLOGIST)

Checked By

LABORATORY INVESTIGATION REPORT

<b>Patient Name</b> : Mr. Suprobin Roy	<b>Age/Sex</b> : 26 Year(s)/Male
<b>UHID</b> : NMHK.2118333	<b>Order Date</b> : 27/11/2021 10:56
<b>Episode</b> : OP	<b>Mobile No</b> : 9007326661
<b>Ref. Doctor</b> : NMH	<b>Facility</b> : NARAYAN MEMORIAL HOSPITAL
<b>Address</b> : CHAK RAJU MOLLA ROAD , pailan ,Kolkata,West Bengal ,700104	

Biochemistry

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0049071A	Collection Date : 27/11/21 11:49	Ack Date :	Report Date : 27/11/21 18:38

GLYCOSYLATED HAEMOGLOBIN (HBA1C)

**SAMPLE : EDTA BLOOD**

HBA1C 5.7 % Non-diabetic : 4-6

By HPLC

1. HbA1c is used for monitoring diabetic control. It reflects the estimated average glucose.
2. HbA1c has been endorsed by clinical group & American Diabetes Association guidelines 2017, for diagnosis of Diabetes using a cut-off point of 6.5%.
3. Trends in HbA1c are a better indicator of diabetic control than a solitary test.
4. Low HbA1c in a non-diabetic individual are often associated with systemic inflammatory diseases, chronic anaemia (Specially in Severe iron deficiency anaemia and hemolytic), chronic renal failure and liver disease. Clinical correlation suggested.
5. Interference of Haemoglobinopathies in HbA1c estimation.  
a) For HbF > 25%, an alternate platform (fructosamine) is recommended for testing of HbA1c.  
b) Homozygous hemoglobinopathy is detected, fructosamine is recommended for monitoring diabetic status.

Note: Hemoglobin electrophoresis (HPLC method) is recommended for detecting hemoglobinopathy.  
c) Heterozygous state detected (D10/turbo is corrected for HbS and HbC trait).  
6. For known diabetic patients, following values can be considered as a tool for monitoring the glycemic control:  
Excellent control:- 6 - 7%,  
Fair to good control:- 7 - 8%,  
Unsatisfactory control:- 8 - 10%  
Poor control >10%


End of Report

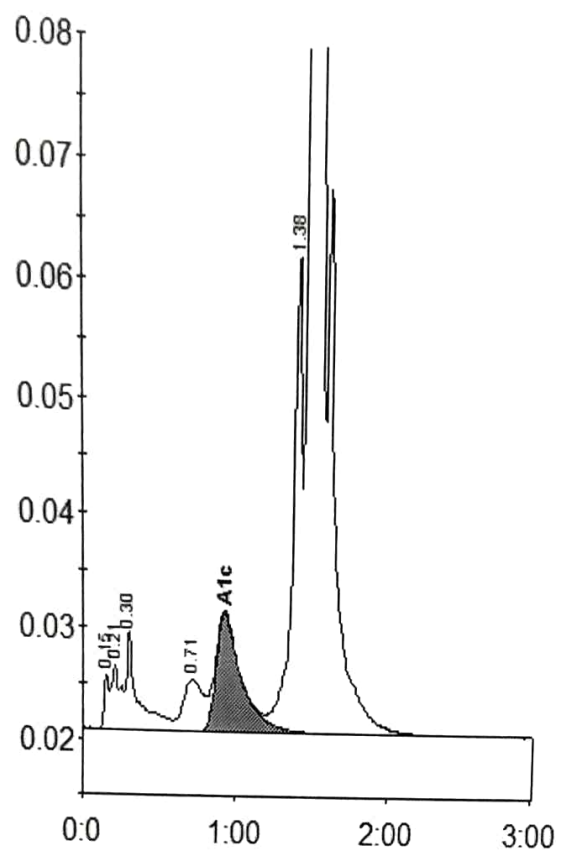
**Dr.S. Chatterjee**  
**MD, MBBS, FAACC**  
(CONSULTANT BIOCHEMIST)

Checked By

Rad  
 D-10  
 S/N: #DJ0A467747  
 Sample ID:  
 Injection date  
 Injection #: 10  
 Rack #: ---

DATE: 28/11/2021  
 TIME: 12:27  
 Software version: 4.30-2  
 07H0049071A  
 27/11/2021 18:03  
 Method: HbA1c  
 Rack position: 10

Mr. Suprobin Roy  
 (R)NMHK 2118333 26y/ M  
  
 07H0049071A  
 EDTA Wh 27-11 11:49



Peak table - ID: 07H0049071A

Peak	R.time	Height	Area	Area %
Unknown	0.15	4942	11742	0.4
A1a	0.21	5836	23555	0.8
A1b	0.30	8891	49127	1.7
LA1c/CHb-1	0.71	4726	41441	1.4
A1c	0.92	10716	125415	5.7
P3	1.38	42389	158552	5.4
A0	1.44	812038	2515745	86.0
Total Area:		2925577		

Concentration:	%	mmol/mol
A1c	5.7	39



## DIAGNOSTICS REPORT

KOLKATA

Patient Name	Mr. Suprobin Roy	Order Date	27/11/2021 10:56
Age/Sex	26 Year(s)/Male	Report Date	27/11/2021 19:04
UHID	NMHK.2118333	IP No	
Ref. Doctor	NMH	Facility	NARAYAN MEMORIAL HOSPITAL
Address	CHAK RAJU MOLLA ROAD, pailan,Kolkata, West Bengal, 700104	Mobile	9007326661

### USG REPORT OF WHOLE ABDOMEN (SCREENING)

**LIVER** : Liver is normal in size and parenchymal echotexture. Intrahepatic biliary radicles are not dilated. No focal mass lesion is seen.

**PORTA :PV** : Normal. PV measures 0.8 cm.

**CD** : Normal . CD measures 0.3 cm.

**GALL BLADDER** :Gall bladder is normal in size, contour, outline and position. No calculus is seen. Wall thickness is normal.

**PANCREAS** :Pancreas is normal in size and parenchymal echogenicity. Pancreatic duct is not dilated.

**SPLEEN** :Spleen is not enlarged and parenchyma shows normal homogeneous pattern. Spleen measures : 11.5 cm.

**KIDNEYS** :Both kidneys are normal in size, shape, outline, position and parenchymal echogenicity. Corticomedullary differentiation maintained. No evidence of any calculus/mass / hydronephrosis is seen. Right kidney measures : 10.3 cm & Left kidney measures : 9.9 cm.

**URINARY BLADDER** : Urinary bladder is normal in contour, outline and distension. No vesical lesion is seen.

**PROSTATE** : Prostate is normal size, outline and echotexture appear normal. No focal



**DIAGNOSTICS REPORT**

Patient Name	: Mr. Suprobin Roy	Order Date	: 27/11/2021 10:56
Age/Sex	: 26 Year(s)/Male	Report Date	: 27/11/2021 19:04
UHID	: NMHK.2118333	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: CHAK RAJU MOLLA ROAD, pailan,Kolkata, West Bengal, 700104	Mobile	: 9007326661

lesion is seen. Prostate measures 3.6 cm x 3.0 cm x 2.9 cm. It weight approx 17 gm.

**PERITONEUM** : : No free fluid is noted.

**RETROPERITONEUM** : IVC and aorta appear normal. No lymphadenopathy is seen.

**IMPRESSION** : Normal study.



**Dr.MADHUSHREE RAY NASKAR,**  
**MBBS,DMRD**

Consultant Radiologist

RegNo: 57032

## DIAGNOSTICS REPORT

Patient Name : Mr. Suprobin Roy  
Age/Sex : 26 Year(s)/Male  
UHID : NMHK.2118333  
Ref. Doctor : NMH

Order Date : 27/11/2021 10:56  
Report Date : 27/11/2021 17:07  
IP No :  
Facility : NARAYAN MEMORIAL HOSPITAL  
Mobile : 9007326661

Address : CHAK RAJU MOLLA ROAD,  
pailan, Kolkata, West Bengal, 700104

### 2D ECHOCARDIOGRAPHY WITH M-MODE

#### MEASUREMENTS

##### 2D and M-Mode :

IVS (d)	10 mm	Aorta (at sinuses)	30 mm
LVID (d)	46 mm	LA diameter	37 mm
LVPW (d)	10 mm	RVID (d) - basal	16 mm
LVID (s)	24 mm	TAPSE	25 mm
LVEF	62%		

Estimated PASP = 20 mmHg

#### FINDINGS

##### Left Ventricle :

Cavity size : Normal.

Wall thickness : Normal.

Segmental wall motion : No abnormality found.

Global systolic function : Normal (EF = 62%)

Diastolic function : Normal.

**Left Atrium** : Normal sized; no clot in body of appendage.

**Right Ventricle and Right Atrium** : Normal sized; normal RV systolic function.

**Mitral Valve** : Normal leaflets, good excursion, normal subvalvular apparatus. No regurgitation / No MS.

**Aortic valve** : Structurally normal, trileaflet, normal motion, no regurgitation.

**Pulmonary Valve** : Normal structure, adequate opening.

Behala Manton, 601 Diamond Harbour Road, Kolkata 700034

Ph : 033 6640 0000 | Mob : +91 62921 95051

E : contact@nmh.org.in

Follow us on    

www.narayanmemorialhospital.com

## DIAGNOSTICS REPORT

Patient Name	: Mr. Suprobin Roy	Order Date	: 27/11/2021 10:56
Age/Sex	: 26 Year(s)/Male	Report Date	: 27/11/2021 17:07
UHID	: NMHK.2118333	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: CHAK RAJU MOLLA ROAD, pailan,Kolkata, West Bengal, 700104	Mobile	: 9007326661

**Tricuspid Valve** :Normal structure, normal excursion. Trivial TR. TR gradient = 15 mmHg.

**Interarterial and Interventricular Septum** :No breach could be seen.

**Aorta** :Normal sized root and proximal aorta.

**Pulmonary Artery** :Normal, no pulmonary arterial hypertension.

**Pericardium** :Normal, no effusion.

**Inferior Vena Cava** :IVC normal diameter, > 50% respiratory variation.

**Others** :No thrombus, mass, vegetation seen.

### IMPRESSION:

#### Status of Patient :

- \* No regional wall motion abnormality at rest.
- \* Good LV systolic function (EF = 62%).
- \* Good RV systolic function (TAPSE = 25 mm).
- \* Normal valve morphology.
- \* Normal LV diastolic function.
- \* No pericardial effusion.
- \* No pulmonary arterial hypertension.



Dr.INDIRA BANERJEE ,  
MD,DNB,MRCPCH (UK)

Board Certified Comprehensive  
Echocardiographer (USA)



## DIAGNOSTICS REPORT

Patient Name	: Mr. Suprobin Roy	Order Date	: 27/11/2021 10:56
Age/Sex	: 26 Year(s)/Male	Report Date	: 27/11/2021 16:28
UHID	: NMHK.2118333	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: CHAK RAJU MOLLA ROAD, pailan,Kolkata, West Bengal, 700104	Mobile	: 9007326661

### ELECTROCARDIOGRAM REPORT (ECG)

HR	: 73 bpm
Rhythm	: Sinus
P wave	: Normal
PR Interval	: 152 msec
QRS axis	: Normal (8 Degree)
QRS duration	: 84 msec
QRS configuration	: Normal
T wave	: Non specific changes
ST segment	: Non specific changes
QTc	: 373 msec
QT	: 336 msec

#### IMPRESSION:

- Sinus rhythm. Normal QRS axis.
  - Non specific ST-T changes.
- Clinical correlation please.



**Dr.INDIRA BANERJEE ,**  
**MD,DNB,MRCPC (UK)**

Board Certified Comprehensive  
Echocardiographer (USA)



1118333

Male

16 years / kg

HR 73/min

Axis:

SINUS RHYTHM  
OTHERWISE NORMAL ECG

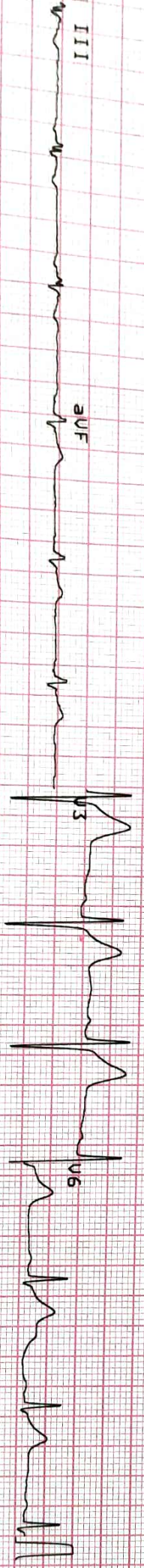
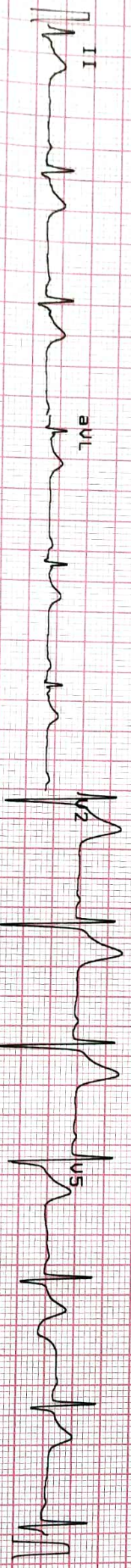
UNCONFIRMED REPORT

Intervals:  
 RR 819 ms  
 P 98 ms  
 PR 152 ms  
 QR5 84 ms  
 QT 336 ms  
 QTc 373 ms  
 (Bazett)  
 10 mm/mV

P (II) 0.06 mV  
 S (V1) -0.88 mV  
 R (V5) 1.06 mV  
 Sokol. 3.03 mV

6.02

10 mm/mV





## DIAGNOSTICS REPORT

Patient Name	: Mr. Suprobin Roy	Order Date	: 27/11/2021 10:56
Age/Sex	: 26 Year(s)/Male	Report Date	: 27/11/2021 19:55
UHID	: NMHK.2118333	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: CHAK RAJU MOLLA ROAD, pailan,Kolkata, West Bengal, 700104	Mobile	: 9007326661

### CHEST X-RAY REPORT OF PA VIEW

Lung fields are clear. No focal parenchymal opacity is seen.

No appreciable pleural thickening / calcification is noted.

Costo-phrenic angles are normal.

Cardiac shadow appears normal.

Bilateral hilar shadows are normal.

No obvious bony abnormality is seen.



**Dr.MADHUSHREE RAY NASKAR ,  
MBBS,DMRD**

Consultant Radiologist

RegNo: 57032