

## LABORATORY INVESTIGATION REPORT

<b>Patient Name</b> : Mr. FARUQUE IBRAHIM <b>UHID</b> : NMHK.2306471 <b>Episode</b> : OP <b>Ref. Doctor</b> : NMH <b>Address</b> : 87 SARDAR PARA, SOUTH JALKURA , MAHESHTALA ,Kolkata,West Bengal ,700141	<b>Age/Sex</b> : 28 Year(s) / Male <b>Order Date</b> : 18/03/2023 08:46 <b>Mobile No</b> : 7980745323 <b>DOB</b> : 19/08/1994 <b>Facility</b> : NARAYAN MEMORIAL HOSPITAL
---	---

### Biochemistry

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0107224	Collection Date : 18/03/23 09:09	Ack Date : 18/03/2023 11:07	Report Date : 18/03/23 15:16

#### SERUM CREATININE

##### SAMPLE : SERUM

SERUM CREATININE	0.9	mg/dl	0.7 - 1.2
<i>Method - Jaffe Gen2 Compensated</i>			

#### LIVER FUNCTION TEST ( LFT )

##### SAMPLE : SERUM

TOTAL BILIRUBIN	0.7	mg/dl	0 - 1.1
<i>Method - Diazo Method</i>			
DIRECT BILIRUBIN	<b>0.3 ▲</b>	mg/dl	0 - 0.2
<i>Method - Diazo Method</i>			
INDIRECT BILIRUBIN	0.4	mg/dl	0.2 - 0.9
<i>Method - Calculated</i>			
SGPT (ALT)	<b>74 ▲</b>	U/L	0 - 34
<i>Method - IFCC Without Pyridoxal Phosphate</i>			
SGOT (AST)	<b>49 ▲</b>	U/L	0 - 31
<i>Method - IFCC Without Pyridoxal Phosphate</i>			
ALKALINE PHOSPHATASE	<b>162 ▲</b>	U/L	53 - 128
<i>Method - IFCC</i>			
TOTAL PROTEIN	8.1	g/dl	6.4 - 8.2
<i>Method - Biuret</i>			
ALBUMIN	<b>5.4 ▲</b>	gm/dl	3.5 - 5.2
<i>Method - Bromocresol Green</i>			
GLOBULIN	2.7	g/dl	2 - 3.5
<i>Method - Calculated</i>			
ALBUMIN:GLOBULIN	2.0	-	1.1 - 2.5
<i>Method - Calculated</i>			
GGT	<b>71 ▲</b>	U/L	8 - 61

## LABORATORY INVESTIGATION REPORT

<b>Patient Name</b> : Mr. FARUQUE IBRAHIM	<b>Age/Sex</b> : 28 Year(s) / Male
<b>UHID</b> : NMHK.2306471	<b>Order Date</b> : 18/03/2023 08:46
<b>Episode</b> : OP	<b>Mobile No</b> : 7980745323
<b>Ref. Doctor</b> : NMH	<b>DOB</b> : 19/08/1994
<b>Address</b> : 87 SARDAR PARA, SOUTH JALKURA , MAHESHTALA ,Kolkata,West Bengal ,700141	<b>Facility</b> : NARAYAN MEMORIAL HOSPITAL

Method - Enzymatic colorimetric assay

### BLOOD UREA NITROGEN

BLOOD UREA NITROGEN 11.2 mg/dl 6 - 20

Method - Calculated

### LIPID PROFILE

#### SAMPLE : SERUM

TOTAL CHOLESTEROL 147 mg/dl Desirable <200 |  
Borderline 200-239 |  
High >=240

Method - CHOD-PAP

HDL CHOLESTEROL 30 ▼ mg/dl 40 - 60

Method - Homogenous Enzymatic Colorimetric

LDL CHOLESTEROL 77 mg/dl Optimal < 100 |  
Borderline 130

Method - Homogenous Enzymatic Colorimetric

VLDL 40 ▲ mg/dl 0 - 30

Method - CALCULATED

CHOLESTEROL-HDL RATIO 4.90 -

LDL-HDL RATIO 2.57 -

TRIGLYCERIDES 224 mg/dl Desirable <150 |  
Borderline 150 - 200 |  
High >200

Method - Enzymatic Colorimetric

### URIC ACID

#### SAMPLE : SERUM

URIC ACID 7.0 mg/dl 3.4 - 7

Method - Enzymatic Colorimetric

### BUN / CREATINE RATIO<sup>a</sup>

#### SAMPLE : SERUM

RESULT 12.4

Sample No : 07H0107224A

Collection Date : 18/03/23 09:09

Ack Date : 18/03/2023 17:21

Report Date : 19/03/23 13:18

### GLYCOSYLATED HAEMOGLOBIN (HBA1C)

## LABORATORY INVESTIGATION REPORT

**Patient Name** : Mr. FARUQUE IBRAHIM **Age/Sex** : 28 Year(s) / Male  
**UHID** : NMHK.2306471 **Order Date** : 18/03/2023 08:46  
**Episode** : OP  
**Ref. Doctor** : NMH **Mobile No** : 7980745323  
**Address** : 87 SARDAR PARA, SOUTH JALKURA ,  
MAHESHTALA ,Kolkata,West Bengal ,700141 **DOB** : 19/08/1994  
**Facility** : NARAYAN MEMORIAL HOSPITAL

### SAMPLE : EDTA BLOOD

HBA1C 5.2

#### *Interpretation & Remark:*

1. HbA1c is used for monitoring diabetic control. It reflects the estimated average glucose.
2. HbA1c has been endorsed by clinical groups & 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 severe iron deficiency anaemia & haemolytic), chronic renal failure and liver diseases. 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.  
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 % .

Note : Hemoglobin electrophoresis (HPLC method) is recommended for detecting hemoglobinopathy.

Sample No : 07H0107224B Collection Date : 18/03/23 09:09 Ack Date : 18/03/2023 11:07 Report Date : 18/03/23 15:16

### **BLOOD SUGAR(F)**

#### SAMPLE : PLASMA

BLOOD SUGAR FASTING 107 mg/dl 70 - 109

Method - Hexokinase

Sample No : 07H0107267B Collection Date : 18/03/23 12:30 Ack Date : 18/03/2023 13:03 Report Date : 18/03/23 15:16

### **BLOOD SUGAR(PP)**

#### SAMPLE : PLASMA

BLOOD SUGAR PP 112 mg/dl 70.00 - 140.00

Method - Hexokinase

End of Report



## LABORATORY INVESTIGATION REPORT

<b>Patient Name</b>	: Mr. FARUQUE IBRAHIM	<b>Age/Sex</b>	: 28 Year(s) / Male
<b>UHID</b>	: NMHK.2306471	<b>Order Date</b>	: 18/03/2023 08:46
<b>Episode</b>	: OP	<b>Mobile No</b>	: 7980745323
<b>Ref. Doctor</b>	: NMH	<b>DOB</b>	: 19/08/1994
<b>Address</b>	: 87 SARDAR PARA, SOUTH JALKURA , MAHESHTALA ,Kolkata,West Bengal ,700141	<b>Facility</b>	: NARAYAN MEMORIAL HOSPITAL

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

Checked By

## DIAGNOSTICS REPORT

Patient Name	: Mr. FARUQUE IBRAHIM	Order Date	: 18/03/2023 08:46
Age/Sex	: 28 Year(s)/Male	Report Date	: 18/03/2023 17:36
UHID	: NMHK.2306471	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: 87 SARDAR PARA, SOUTH JALKURA, MAHESHTALA, Kolkata, West Bengal, 700141	Mobile	: 7980745323

### ELECTROCARDIOGRAM REPORT (ECG)

HR : 81 bpm  
Rhythm : Sinus  
P wave : Normal  
PR Interval : 138 msec  
QRS axis : Normal (48 Degree)  
QRS duration : 88 msec  
QRS configuration : Normal  
T wave : Non specific changes  
ST segment : Non specific changes  
QTc : 405 msec  
QT : 348 msec

#### IMPRESSION:

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



**Dr.INDIRA BANERJEE , MD,DNB,FNB,M  
RCPCH (UK)**

Board Certified Comprehensive  
Echocardiographer (USA)

## DIAGNOSTICS REPORT

Patient Name	: Mr. FARUQUE IBRAHIM	Order Date	: 18/03/2023 08:46
Age/Sex	: 28 Year(s)/Male	Report Date	: 18/03/2023 13:10
UHID	: NMHK.2306471	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: 87 SARDAR PARA, SOUTH JALKURA, MAHESHTALA,Kolkata, West Bengal, 700141	Mobile	: 7980745323

### ECHOCARDIOGRAPHY (SCREENING)

#### Status of Patient :

- \* No regional wall motion abnormality at rest.
- \* Good LV systolic function (EF = 65%).
- \* Good RV systolic function (TAPSE = 21 mm).
- \* Mild TR, TR gradient = 25 mmHg.
- \* Normal valve morphology.
- \* Normal LV diastolic function.
- \* No pericardial effusion.
- \* No pulmonary arterial hypertension.
- \* IVC normal diameter & > 50% respiratory variation.
- \* No thrombus, mass, vegetation seen.



**Dr.SUBIR KUMAR SAHA , MBBS,MD (M  
EDICINE)**

RegNo: Reg no. 40635

## LABORATORY INVESTIGATION REPORT

<b>Patient Name</b> : Mr. FARUQUE IBRAHIM	<b>Age/Sex</b> : 28 Year(s) / Male
<b>UHID</b> : NMHK.2306471	<b>Order Date</b> : 18/03/2023 08:46
<b>Episode</b> : OP	
<b>Ref. Doctor</b> : NMH	<b>Mobile No</b> : 7980745323
	<b>DOB</b> : 19/08/1994
<b>Address</b> : 87 SARDAR PARA, SOUTH JALKURA , MAHESHTALA ,Kolkata,West Bengal ,700141	<b>Facility</b> : NARAYAN MEMORIAL HOSPITAL

### Hematology

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0107224	Collection Date : 18/03/23 09:09	Ack Date : 18/03/2023 09:34	Report Date : 18/03/23 16:12

#### COMPLETE HAEMOGRAM ( CBC )

##### SAMPLE : EDTA BLOOD

HAEMOGLOBIN (HB) <i>Method - Colorimetric method (Cyn Meth)</i>	15.6	gm/dl	13 - 17
RBC COUNT <i>Method - Electrical Impedance Method</i>	5.4	$\times 10^6/\mu\text{l}$	4.5 - 5.5
TOTAL WBC COUNT <i>Method - Electrical Impedance Method</i>	9.8	$10^3/\text{cmm}$	4 - 10
PLATELET COUNT <i>Method - Electrical Impedance Method</i>	200	$10^3/\text{cmm}$	150 - 410
PCV <i>Method - RBC pulse ht. detection method</i>	47	%	40 - 50
MCV <i>Method - calculated</i>	88	fl	83 - 101
MCH <i>Method - Calculated</i>	29	pg	27 - 32
MCHC <i>Method - Calculated</i>	33	gm/dl	31.5 - 34.5
ESR <i>Method - Modified Westergren Method</i>	<b>15 ▲</b>	%	0 - 10

##### DIFFERENTIAL COUNT

NEUTROPHILS <i>Method - Microscopy</i>	69	%	40 - 80
LYMPHOCYTES <i>Method - Microscopy</i>	25	%	20 - 40
MONOCYTES <i>Method - Microscopy</i>	04	%	2 - 10

## LABORATORY INVESTIGATION REPORT

<b>Patient Name</b>	: Mr. FARUQUE IBRAHIM	<b>Age/Sex</b>	: 28 Year(s) / Male
<b>UHID</b>	: NMHK.2306471	<b>Order Date</b>	: 18/03/2023 08:46
<b>Episode</b>	: OP	<b>Mobile No</b>	: 7980745323
<b>Ref. Doctor</b>	: NMH	<b>DOB</b>	: 19/08/1994
<b>Address</b>	: 87 SARDAR PARA, SOUTH JALKURA , MAHESHTALA ,Kolkata,West Bengal ,700141	<b>Facility</b>	: NARAYAN MEMORIAL HOSPITAL

EOSINOPHILS 02 % 1 - 6

*Method - Microscopy*

BASOPHILS 00 % 0 - 2

*Method - Microscopy*

### **PERIPHERAL BLOOD SMEAR**

RBC Normocytic normochromic

WBC Within normal limits

PLATELET Adequate

End of Report



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

RegNo: 82734

Checked By



## LABORATORY INVESTIGATION REPORT

<b>Patient Name</b>	: Mr. FARUQUE IBRAHIM	<b>Age/Sex</b>	: 28 Year(s) / Male
<b>UHID</b>	: NMHK.2306471	<b>Order Date</b>	: 18/03/2023 08:46
<b>Episode</b>	: OP	<b>Mobile No</b>	: 7980745323
<b>Ref. Doctor</b>	: NMH	<b>DOB</b>	: 19/08/1994
<b>Address</b>	: 87 SARDAR PARA, SOUTH JALKURA , MAHESHTALA ,Kolkata,West Bengal ,700141	<b>Facility</b>	: NARAYAN MEMORIAL HOSPITAL

### Immunology

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0107224	Collection Date : 18/03/23 09:09	Ack Date : 18/03/2023 09:34	Report Date : 18/03/23 16:16

#### BLOOD GROUPING & Rh TYPING

##### SAMPLE : EDTA BLOOD

BLOOD GROUP ' A '

Method - Agglutinationforward & Reverse

RH TYPE POSITIVE

#### THYROID FUNCTION TEST

##### SAMPLE : SERUM

T3	1.12	ng/ml	0.6 - 1.8
Method - ECLIA			
T4	8.62	ug/dL	5.4 - 11.7
Method - ECLIA			
TSH	7.17	uIU/ml	Adult Male – 0.27-5.50 Adult Female – 0.27-5.50 Newborns - <25 Upto 12 years – 0.3-5

Method - 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).

## LABORATORY INVESTIGATION REPORT

**Patient Name** : Mr. FARUQUE IBRAHIM

**Age/Sex** : 28 Year(s) / Male

**UHID** : NMHK.2306471

**Order Date** : 18/03/2023 08:46

**Episode** : OP

**Ref. Doctor** : NMH

**Mobile No** : 7980745323

**DOB** : 19/08/1994

**Address** : 87 SARDAR PARA, SOUTH JALKURA ,  
MAHESHTALA ,Kolkata,West Bengal ,700141

**Facility** : NARAYAN MEMORIAL HOSPITAL

End of Report



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



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

RegNo: 82734

Checked By

## LABORATORY INVESTIGATION REPORT

<b>Patient Name</b>	: Mr. FARUQUE IBRAHIM	<b>Age/Sex</b>	: 28 Year(s) / Male
<b>UHID</b>	: NMHK.2306471	<b>Order Date</b>	: 18/03/2023 08:46
<b>Episode</b>	: OP	<b>Mobile No</b>	: 7980745323
<b>Ref. Doctor</b>	: NMH	<b>DOB</b>	: 19/08/1994
<b>Address</b>	: 87 SARDAR PARA, SOUTH JALKURA , MAHESHTALA ,Kolkata,West Bengal ,700141	<b>Facility</b>	: NARAYAN MEMORIAL HOSPITAL

### Clinical Pathology

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0107224	Collection Date : 18/03/23 09:09	Ack Date : 18/03/2023 12:03	Report Date : 18/03/23 16:29

#### URINE FOR R/E

##### SAMPLE : URINE

##### PHYSICAL EXAMINATION

VOLUME	40	ml	
COLOUR	PALE YELLOW		
APPEARANCE	CLEAR		
SPECIFIC GRAVITY	1.005		1.010 - 1.030
REACTION(pH)	ACIDIC (pH - 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	1-2/HPF	<5/HPF
EPITHELIAL CELLS	1-2/HPF	<20/HPF
RBC	ABSENT	
CAST	ABSENT	ABSENT
CRYSTAL	ABSENT	ABSENT

*Please correlate clinically.*

#### URINE FOR SUGAR FASTING<sup>a</sup>

##### SAMPLE : URINE

RESULT	ABSENT
--------	--------

Sample No : 07H0107267	Collection Date : 18/03/23 12:30	Ack Date : 18/03/2023 16:16	Report Date : 19/03/23 13:18
------------------------	----------------------------------	-----------------------------	------------------------------

#### URINE FOR SUGAR PP

## LABORATORY INVESTIGATION REPORT

**Patient Name** : Mr. FARUQUE IBRAHIM

**Age/Sex** : 28 Year(s) / Male

**UHID** : NMHK.2306471

**Order Date** : 18/03/2023 08:46

**Episode** : OP

**Ref. Doctor** : NMH

**Mobile No** : 7980745323

**DOB** : 19/08/1994

**Address** : 87 SARDAR PARA, SOUTH JALKURA ,  
MAHESHTALA ,Kolkata,West Bengal ,700141

**Facility** : NARAYAN MEMORIAL HOSPITAL

### SAMPLE : URINE

RESULT


ABSENT

End of Report



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

Checked By



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

RegNo: 82734

## DIAGNOSTICS REPORT

Patient Name	: Mr. FARUQUE IBRAHIM	Order Date	: 18/03/2023 08:46
Age/Sex	: 28 Year(s)/Male	Report Date	: 18/03/2023 16:43
UHID	: NMHK.2306471	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: 87 SARDAR PARA, SOUTH JALKURA, MAHESHTALA,Kolkata, West Bengal, 700141	Mobile	: 7980745323

### 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 0.9 cm.

**CBD :** Normal . CBD 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 : 11.4 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 : 10.6 cm & Left kidney measures : 11.2 cm.

## DIAGNOSTICS REPORT

Patient Name	: Mr. FARUQUE IBRAHIM	Order Date	: 18/03/2023 08:46
Age/Sex	: 28 Year(s)/Male	Report Date	: 18/03/2023 16:43
UHID	: NMHK.2306471	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: 87 SARDAR PARA, SOUTH JALKURA, MAHESHTALA,Kolkata, West Bengal, 700141	Mobile	: 7980745323

**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 lesion is seen. Prostate measures 2.7 cm x 3.3 cm x 2.9 cm. It weight approx 13 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. FARUQUE IBRAHIM	Order Date	: 18/03/2023 08:46
Age/Sex	: 28 Year(s)/Male	Report Date	: 18/03/2023 17:11
UHID	: NMHK.2306471	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: 87 SARDAR PARA, SOUTH JALKURA, MAHESHTALA,Kolkata, West Bengal, 700141	Mobile	: 7980745323

### 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.Sayani Mahal ,**

MD Radiology (AIIMS), PDCC (AIIMS)

RegNo: 74369