

DIAGNOSTICS REPORT

Patient Name	: Mrs. Sutanuka Bhattacharya	Order Date	: 27/11/2021 11:33
Age/Sex	: 37 Year(s)/Female	Report Date	: 27/11/2021 13:12
UHID	: NMHK.2118321	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: 2/2 SANTOSH ROY ROAD, SAKHERBAZAR, Kolkata, West Bengal, 700008	Mobile	: 9163632369

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 1.0 cm.

CD : Normal . CD measures 0.4 cm.

GALL BLADDER : Operated.

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.

KIDNEYS :Both kidneys are normal in size, shape, outline, position and parenchymal echogenicity. Cortico medullary differentiation maintained. No evidence of mass / hydronephrosis is seen. **Echogenic calculus measuring 0.7 cm is noted in middle calyx of left kidney.** Right kidney measures : 11.0 cm & Left kidney measures : 11.4 cm.

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

UTERUS : Anteverted normal in size, shape, outline, position and parenchymal echogenicity. Cavity is empty. Uterus measures 7.9 cm x 4.5 cm x 3.5 cm.

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OVARIES : Both ovaries are normal in size, shape and echopattern. Right ovary : measures 2.6 cm x 1.9 cm. Left ovary : measures 2.5 cm x 1.3 cm.

PERITONEUM : :No free fluid is noted.

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

IMPRESSION : Left sided nephrolithiasis.



Dr. MADHUSHREE RAY NASKAR ,
MBBS,DMRD

Consultant Radiologist

RegNo: 57032

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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

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LABORATORY INVESTIGATION REPORT

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UHID : NMHK.2118321
Episode : OP
Ref. Doctor : NMH
Address : 2/2 SANTOSH ROY ROAD, SAKHERBAZAR, Kolkata, West Bengal, 700008
Age/Sex : 37 Year(s)/Female
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Mobile No : 9163632369
Facility : NARAYAN MEMORIAL HOSPITAL

Biochemistry

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0049073	Collection Date : 27/11/21 11:51	Ack Date :	Report Date : 27/11/21 18:32

KIDNEY FUNCTION TEST

SERUM CREATININE

SAMPLE : SERUM		mg/dl	0.5 - 0.9
SERUM CREATININE	0.6		
<i>Jaffe Gen2 Compensated</i>			
BLOOD UREA NITROGEN		mg/dl	6 - 20
BLOOD UREA NITROGEN	9.34		
<i>Calculated</i>			

URIC ACID

SAMPLE : SERUM		mg/dl	2.4 - 5.7
URIC ACID	3.0		
<i>Enzymatic Colorimetric</i>			

LIVER FUNCTION TEST (LFT)

SAMPLE : SERUM

TOTAL BILIRUBIN	0.9 ▲	mg/dl	<1.1
<i>Diazo Method</i>			
DIRECT BILIRUBIN	0.4 ▲	mg/dl	0 - 0.2
<i>Diazo Method</i>			
INDIRECT BILIRUBIN	0.5	mg/dl	0.2 - 0.9
<i>Calculated</i>			
SGPT (ALT)	33	U/L	0 - 34
<i>IFCC Without Pyridoxal Phosphate</i>			
SGOT (AST)	26	U/L	0 - 31
<i>IFCC Without Pyridoxal Phosphate</i>			
ALKALINE PHOSPHATASE	153 ▲	U/L	53 - 128
<i>IFCC</i>			
TOTAL PROTEIN	7.5	g/dl	6.4 - 8.2
<i>Biuret</i>			
ALBUMIN	4.7	gm/dl	3.5 - 5.2
<i>Bromocresol Green</i>			
GLOBULIN	2.8	g/dl	2 - 3.5
<i>Calculated</i>			
ALBUMIN:GLOBULIN	1.7	-	1.1 - 2.5
<i>Calculated</i>			
GGT	67 ▲	U/L	5 - 36

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Enzymatic colorimetric assay

LIPID PROFILE

SAMPLE : SERUM

TOTAL CHOLESTEROL	137	mg/dl	Desirable <200 Borderline 200-239 High >=240
<i>CHOD-PAP</i>			
HDL CHOLESTEROL	58	mg/dl	40 - 60
<i>Homogenous Enzymatic Colorimetric</i>			
LDL CHOLESTEROL	68	mg/dl	Optimal < 100 Borderline 130
<i>Homogenous Enzymatic Colorimetric</i>			
VLDL	13	mg/dl	0 - 30
<i>CALCULATED</i>			
CHOLESTEROL-HDL RATIO	2.36	-	
LDL-HDL RATIO	1.17	-	
TRIGLYCERIDES	67	mg/dl	Desirable <150 Borderline 150 - 200 High >200

Enzymatic Colorimetric

Sample No : 07H0049073B Collection Date : 27/11/21 11:51 Ack Date : Report Date : 27/11/21 18:32

BLOOD SUGAR(F)

SAMPLE : PLASMA

BLOOD SUGAR FASTING	82	mg/dl	70 - 109
<i>Hexokinase</i>			

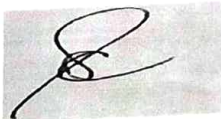
Sample No : 07H0049093B Collection Date : 27/11/21 12:58 Ack Date : Report Date : 27/11/21 18:32

BLOOD SUGAR(PP)

SAMPLE : PLASMA

BLOOD SUGAR PP	95	mg/dl	70.00 - 140.00
<i>Hexokinase</i>			

End of Report



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

Checked By



Narayan Memorial Hospital
(of Narayan Health Services Pvt. Ltd.)



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Immunoassay

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0049073	Collection Date : 27/11/21 11:51	Ack Date :	Report Date : 27/11/21 18:44

THYROID FUNCTION TEST

SAMPLE : SERUM	RESULTS	UNITS	BIOLOGICAL REF RANGE
T3 ECLIA	1.19	ng/ml	0.60 - 1.80
T4 ECLIA	7.76	ug/dL	5.40 - 11.70
TSH ECLIA	5.63	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, severe 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 : 07H0049073	Collection Date : 27/11/21 11:51	Ack Date :	Report Date : 27/11/21 16:35

BLOOD GROUPING & Rh TYPING

SAMPLE : EDTA BLOOD	RESULTS
BLOOD GROUP	'A'
RH TYPE	POSITIVE

End of Report

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

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

Checked By

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Hematology

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
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COMPLETE HAEMOGRAM (CBC)

SAMPLE : EDTA BLOOD

HAEMOGLOBIN (HB)	10.6 ▼	gm/dl	12 - 15
RBC COUNT	5.45 ▲	x10 ⁶ /ul	3.8 - 4.8
TOTAL WBC COUNT	6.1	10 ³ /cmm	4 - 10
PLATELET COUNT	170	10 ³ /cmm	150 - 410
PCV	33 ▼	%	36 - 46
MCV	61 ▼	fl	83 - 101
MCH	20 ▼	pg	27 - 32
MCHC	32	gm/dl	31.5 - 34.5
ESR	26	mm/hr	<=12

DIFFERENTIAL COUNT

NEUTROPHILS	73	%	40 - 80
LYMPHOCYTES	23	%	20 - 40
MONOCYTES	02	%	2 - 10
EOSINOPHILS	02	%	1 - 6
BASOPHILS	00	%	0 - 2

PERIPHERAL BLOOD SMEAR

RBC Microcytic hypochromic

End of Report

Angkita K. Ghosh

Dr. ANGKITA K. GHOSH
MBBS, MD(PATH)
(CONSULTANT PATHOLOGIST)
RegNo: 82734
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,Kolkata,West Bengal ,700008

Clinical Pathology

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0049079	Collection Date : 27/11/21 12:04	Ack Date :	Report Date : 27/11/21 16:58

URINE FOR R/E

SAMPLE : URINE

PHYSICAL EXAMINATION

VOLUME	40	ml	
COLOUR	PALE STRAW		
APPEARANCE	SLIGHTLY HAZY		
SPECIFIC GRAVITY	1.010		1.010 - 1.030
REACTION(pH)	ALKALINE 7.0		

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	3-4 / HPF	<5/HPF
EPITHELIAL CELLS	14-16 / HPF	<20/HPF
RBC	NIL	
CAST	ABSENT	ABSENT
CRYSTAL	ABSENT	ABSENT

Please correlate clinically.

End of Report

Angkita K. Ghosh

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MBBS, MD(PATH)
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Biochemistry

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0049073A	Collection Date : 27/11/21 11:51	Ack Date :	Report Date : 27/11/21 18:32

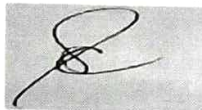
GLYCOSYLATED HAEMOGLOBIN (HBA1C)

SAMPLE : EDTA BLOOD

HBA1C	4.9	%	Non-diabetic : 4-6
<i>By HPLC</i>			

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 glycaemic 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, FAAC
(CONSULTANT BIOCHEMIST)

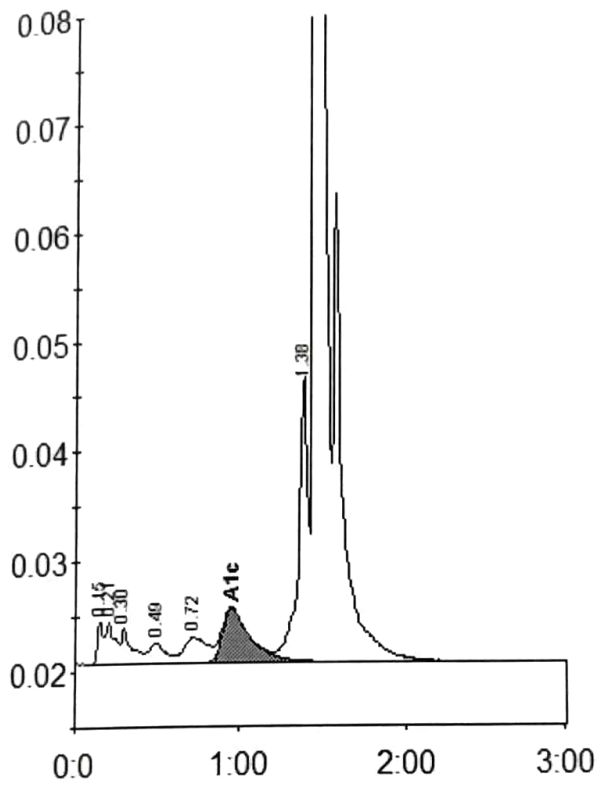
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Bio-Rad
 D-10
 S/N: #DJ0A467747
 Sample ID:
 Injection date
 Injection #: 4
 Rack #: ---

DATE: 28/11/2021
 TIME: 12:27
 Software version: 4.30-2
 07H0049073A
 27/11/2021 17:45
 Method: HbA1c
 Rack position: 4

Mrs Sutanuka Bhattacharya
 (R)NMHK 2118321 37y/ F

 07H0049073A
 EDTA Wb 27-11 11:51



Peak table - ID: 07H0049073A

Peak	R.time	Height	Area	Area %
Unknown	0.15	3901	9361	0.6
A1a	0.21	3766	15864	1.0
A1b	0.30	3262	14887	0.9
F	0.49	1864	13587	0.8
LA1c/CHb-1	0.72	2304	22077	1.4
A1c	0.95	4856	56240	4.9
P3	1.38	26120	100291	6.2
A0	1.45	457087	1373255	85.5
Total Area:		1605562		

Concentration:	%	mmol/mol
A1c	4.9	30

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2D ECHOCARDIOGRAPHY WITH M-MODE MEASUREMENTS

2D and M-Mode :

IVS (d)	10 mm	Aorta (at sinuses)	25 mm
LVID (d)	46 mm	LA diameter	33 mm
LVPW (d)	10 mm	RVID (d) - basal	15 mm
LVID (s)	28 mm	TAPSE	22 mm
LVEF	64 %		

Estimated PASP = 20 mmHg

FINDINGS

Left Ventricle :

Cavity size : Normal.

Wall thickness : Normal.

Segmental wall motion : No abnormality found.

Global systolic function : Normal. (EF = 64 %)

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.

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

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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 = 64 %).
- * Good RV systolic function (TAPSE = 22 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

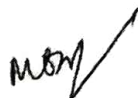
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ELECTROCARDIOGRAM REPORT (ECG)

HR	: 82 bpm
Rhythm	: Sinus
P wave	: Normal
PR Interval	: 142 msec
QRS axis	: Left axis (-18 Degree)
QRS duration	: 94 msec
QRS configuration	: Normal
T wave	: Non specific changes
ST segment	: Non specific changes
QTc	: 456 msec
QT	: 388 msec

IMPRESSION:

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



Dr. MUNNA DAS, MD
(MEDICINE), DM (CARDIOLOGY)

Consultant Cardiologist

RegNo: Reg no. 55696

SUTANUKA BHATTACHARYA
 NMHK2118321
 37 years / Female
 50 cm / 49 kg

HR 82/min
 Intervals:
 RR 735 ms
 P 98 ms
 PR 142 ms
 QRS 94 ms
 QT 388 ms
 QTc 456 ms
 (Bazett)
 10 mm/mV

Axis:
 P 51°
 QRS -18°
 T 16°

P (II) 0.11 mV
 S (VI) -0.58 mV
 R (V5) 0.99 mV
 SokolL 2.31 mV

SINUS RHYTHM
 LEFTWARD AXIS
 OTHERWISE NORMAL ECG
 6.02

UNCONFIRMED REPORT

