

LABORATORY INVESTIGATION REPORT

Patient Name : Ms. Alankar Acharya	Age/Sex : 26 Year(s)/Female
UHID : NMHK.2119761	Order Date : 25/12/2021 09:29
Episode : OP	
Ref. Doctor : NMH	Mobile No : 9038246883
Address : 264/A/2, B M ROY RD. BAISHALI PARK, SAKHERBAZAR ,Kolkata,West Bengal ,700008	Facility : NARAYAN MEMORIAL HOSPITAL

Biochemistry

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0052188	Collection Date : 25/12/21 09:49	Ack Date :	Report Date : 25/12/21 11:45

KIDNEY FUNCTION TEST

SERUM CREATININE

SAMPLE : SERUM

SERUM CREATININE	0.5	mg/dl	0.5 - 0.9
<i>Jaffe Gen2 Compensated</i>			

BLOOD UREA NITROGEN

BLOOD UREA NITROGEN	5.13 ▼	mg/dl	6 - 20
<i>Calculated</i>			

URIC ACID

SAMPLE : SERUM

URIC ACID	5.1	mg/dl	2.4 - 5.7
<i>Enzymatic Colorimetric</i>			

LIVER FUNCTION TEST (LFT)

SAMPLE : SERUM

TOTAL BILIRUBIN	0.5 ▲	mg/dl	<1.1
<i>Diazo Method</i>			

DIRECT BILIRUBIN	0.2	mg/dl	0 - 0.2
<i>Diazo Method</i>			

INDIRECT BILIRUBIN	0.3	mg/dl	0.2 - 0.9
<i>Calculated</i>			

SGPT (ALT)	32	U/L	0 - 34
<i>IFCC Without Pyridoxal Phosphate</i>			

SGOT (AST)	29	U/L	0 - 31
<i>IFCC Without Pyridoxal Phosphate</i>			

ALKALINE PHOSPHATASE	136 ▲	U/L	53 - 128
<i>IFCC</i>			

TOTAL PROTEIN	6.6	g/dl	6.4 - 8.2
<i>Biuret</i>			

ALBUMIN	4.2	gm/dl	3.5 - 5.2
<i>Bromocresol Green</i>			

GLOBULIN	2.4	g/dl	2 - 3.5
<i>Calculated</i>			

ALBUMIN:GLOBULIN	1.8	-	1.1 - 2.5
<i>Calculated</i>			

GGT	24	U/L	5 - 36
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Enzymatic colorimetric assay

LIPID PROFILE

SAMPLE : SERUM

TOTAL CHOLESTEROL	184	mg/dl	Desirable <200 Borderline 200-239 High >=240
<i>CHOD-PAP</i>			
HDL CHOLESTEROL	33 ▼	mg/dl	40 - 60
<i>Homogenous Enzymatic Colorimetric</i>			
LDL CHOLESTEROL	129	mg/dl	Optimal < 100 Borderline 130
<i>Homogenous Enzymatic Colorimetric</i>			
VLDL	22	mg/dl	0 - 30
<i>CALCULATED</i>			
CHOLESTEROL-HDL RATIO	5.58	-	
LDL-HDL RATIO	3.91	-	
TRIGLYCERIDES	105	mg/dl	Desirable <150 Borderline 150 - 200 High >200

Enzymatic Colorimetric

Sample No : 07H0052188C Collection Date : 25/12/21 09:49 Ack Date : Report Date : 25/12/21 11:45

BLOOD SUGAR(F)

SAMPLE : PLASMA

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

End of Report



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

Checked By

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Immunoassay

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
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THYROID FUNCTION TEST

SAMPLE : SERUM

T3 ECLIA	1.22	ng/ml	0.6 - 1.8
T4 ECLIA	6.37	ug/dL	5.4 - 11.7
TSH ECLIA	6.12	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).

End of Report



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Hematology

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0052188	Collection Date : 25/12/21 09:49	Ack Date :	Report Date : 26/12/21 13:50

COMPLETE HAEMOGRAM (CBC)

SAMPLE : EDTA BLOOD

HAEMOGLOBIN (HB) <i>Colorimetric method (Cyn Meth)</i>	12.0	gm/dl	12 - 15
RBC COUNT <i>Electrical Impedance Method</i>	4.15	x10 ⁶ /ul	3.8 - 4.8
TOTAL WBC COUNT <i>Electrical Impedance Method</i>	7.7 ▼	10 ³ /cmm	4000 - 10000
PLATELET COUNT <i>Electrical Impedance Method</i>	280 ▲	10 ³ /cmm	1.5 - 4.1
PCV <i>RBC pulse ht. detection method</i>	37	%	36 - 46
MCV <i>calculated</i>	89	fl	83 - 101
MCH <i>Calculated</i>	29	pg	27 - 32
MCHC <i>Calculated</i>	32	gm/dl	31.5 - 34.5
ESR <i>Modified Westergren Method</i>	110 ▲	%	0 - 12

DIFFERENTIAL COUNT

NEUTROPHILS <i>Microscopy</i>	67	%	40 - 80
LYMPHOCYTES <i>Microscopy</i>	29	%	20 - 40
MONOCYTES <i>Microscopy</i>	02	%	2 - 10
EOSINOPHILS <i>Microscopy</i>	02	%	1 - 6
BASOPHILS <i>Microscopy</i>	00 ▼	%	1 - 6

PERIPHERAL BLOOD SMEAR

RBC	Normocytic normochromic
WBC	Within normal limits
PLATELET	Adequate

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End of Report



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Immunology

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BLOOD GROUPING & Rh TYPING

SAMPLE : EDTA BLOOD

BLOOD GROUP : 'O'
Agglutination forward & Reverse

RH TYPE : POSITIVE

End of Report

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Clinical Pathology

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
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URINE FOR R/E

SAMPLE : URINE

PHYSICAL EXAMINATION

VOLUME	60	ml	
COLOUR	Watery		
APPEARANCE	CLEAR		
SPECIFIC GRAVITY	1.005		1.010 - 1.030
REACTION(pH)	ALKALINE 7.5		

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

Please correlate clinically.

End of Report



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Biochemistry

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Sample No : 07H0052188A	Collection Date : 25/12/21 09:49	Ack Date :	Report Date : 27/12/21 11:17

GLYCOSYLATED HAEMOGLOBIN (HBA1C)

SAMPLE : EDTA BLOOD

HBA1C 5.1 % 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



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DIAGNOSTICS REPORT

Patient Name	: Ms. Alankar Acharya	Order Date	: 25/12/2021 09:29
Age/Sex	: 26 Year(s)/Female	Report Date	: 25/12/2021 12:19
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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.

KIDNEYS :Both kidneys are normal in size, shape, outline, position and parenchymal echogenicity. Cortico medullary differentiation maintained. No evidence of any calculus/ mass / hydronephrosis is seen. Right kidney measures : 10.4 cm & Left kidney measures : 9.8 cm.

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

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UTERUS : Anteverted normal in size, shape, outline, position and parenchymal echogenicity. Cavity is empty. Uterus measures 7.3 cm x 4.2 cm x 3.2 cm.

OVARIES : Both ovaries are normal in size, shape and echopattern.

Right ovary : measures 3.2 cm x 2.0 cm.

Left ovary : measures 3.6 cm x 1.8 cm.

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

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2D ECHOCARDIOGRAPHY WITH M-MODE

MEASUREMENTS

2D and M-Mode :

IVS (d)	10 mm	Aorta (at sinuses)	23 mm
LVID (d)	39 mm	LA diameter	28 mm
LVPW (d)	10 mm	RVID (d) - basal	15 mm
LVID (s)	24 mm	TAPSE	24 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.

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

Interartial and Interventricular Septum :No breech 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 = 24 mm).
- * Normal valve morphology.
- * Normal LV diastolic function.
- * No pericardial effusion.
- * No pulmonary arterial hypertension.

J. Banerjee

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

Board Certified Comprehensive
Echocardiographer (USA)

DIAGNOSTICS REPORT

Patient Name	: Ms. Alankar Acharya	Order Date	: 25/12/2021 09:29
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ELECTROCARDIOGRAM REPORT (ECG)

HR	: 66 bpm
Rhythm	: Sinus
P wave	: Normal
PR Interval	: 118 msec
QRS axis	: Normal (46 Degree)
QRS duration	: 76 msec
QRS configuration	: Normal
T wave	: Non specific changes
ST segment	: Non specific changes
QTc	: 406 msec
QT	: 386 msec

IMPRESSION:

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



Dr.INDIRA BANERJEE ,
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Board Certified Comprehensive
Echocardiographer (USA)

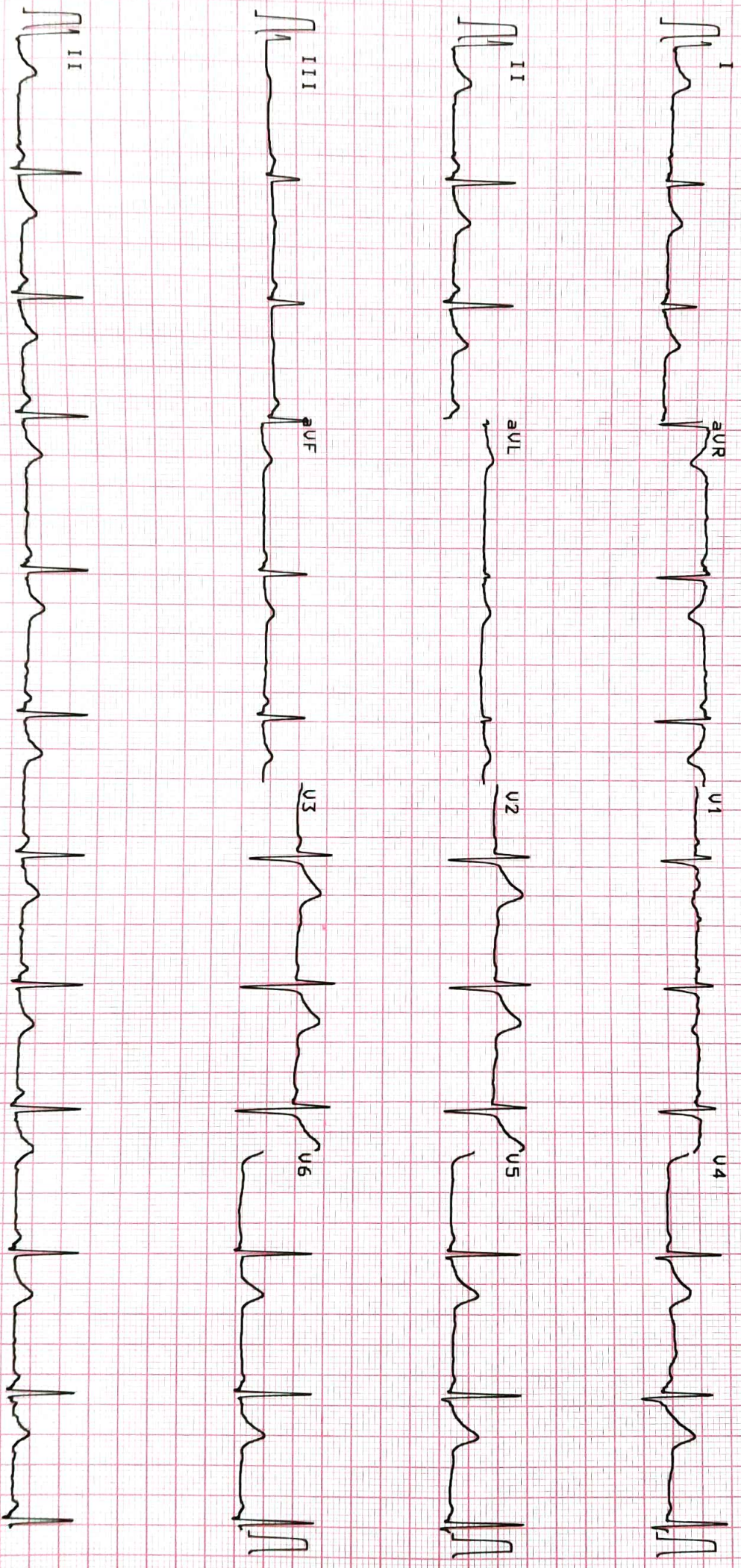
MS. ALANKAR ACHARYA
 NMHK 2119761
 26 years Female
 cm / kg

HR 66/min
 Intervals:
 RR 908 ms
 P 98 ms
 PR 118 ms
 QR5 76 ms
 QT 386 ms
 QTc 406 ms (Bazett)
 10 mm/mV

Axis:
 P 62°
 QR5 46°
 T 28°
 P (II) 0.15 mV
 S (V1) -0.83 mV
 R (V5) 1.53 mV
 Sokol. 2.68 mV

SINUS RHYTHM
 NORMAL ECG
 6.02

UNCONFIRMED REPORT



10 mm/mV