

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr SOMNATH AGARWAL MRN : 1763000006453 Gender/Age : MALE , 38y (19/09/1984)

Collected On : 25/03/2023 09:10 AM Received On : 25/03/2023 09:26 AM Reported On : 25/03/2023 10:56 AM

Barcode : J12303250097 Specimen : Serum Consultant : SELF(GENERAL ADMINISTRATION)

Sample adequacy : Satisfactory Visit No : OP-007 Patient Mobile No : 9051507444

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.86	mg/dL	0.66-1.25
eGFR (Calculated By MDRD Formula)	99.6	mL/min/1.73m ²	Indicative for renal impairment: <60 Note: eGFR is inaccurate for Hemodynamically unstable patients . eGFR is not applicable for less than 18 years of age .
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric - Urease)	14.48	mg/dL	9.0-20.0
Serum Sodium (Direct ISE - Potentiometric)	138	mmol/L	137.0-145.0
Serum Potassium (Direct ISE - Potentiometric)	4.5	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	182	mg/dL	Both: Desirable: < 200 Both: Borderline High: 200-239 Both: High: > 240
Triglycerides	104	mg/dL	Both: Normal: < 150 Both: Borderline: 150-199 Both: High: 200-499 Both: Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	48	mg/dL	40.0-60.0
Non-HDL Cholesterol	134	-	-
LDL Cholesterol (Colorimetric)	107.29 H	mg/dL	Both: Optimal: < 100 Both: Near to above optimal: 100-129 Both: Borderline High: 130-159 Both: High: 160-189 Both: Very High: > 190

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VLDL Cholesterol (Calculated)	20.8	mg/dL	0.0-40.0
Cholesterol /HDL Ratio	3.8	-	-
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Colorimetric -Diazo Method)	0.9	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Calculated)	0.1	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Calculated)	0.8	-	-
Total Protein (Colorimetric - Biuret Method)	8.0	g/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.6	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.4	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.35	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	29	U/L	17.0-59.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	39	U/L	<50.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	70	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	24	U/L	15.0-73.0

--End of Report--

Ritu Priya

Dr. Ritu Priya
 MBBS, MD, Biochemistry
 Consultant

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Note

- * Abnormal results are highlighted.
- * Results relate to the sample only.
- * Kindly correlate clinically.



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Patient Name : Mr SOMNATH AGARWAL MRN : 1763000006453 Gender/Age : MALE , 38y (19/09/1984)
 Collected On : 25/03/2023 09:10 AM Received On : 25/03/2023 09:26 AM Reported On : 25/03/2023 10:55 AM
 Barcode : J12303250098 Specimen : Plasma Consultant : SELF(GENERAL ADMINISTRATION)
 Sample adequacy : Satisfactory Visit No : OP-007 Patient Mobile No : 9051507444

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Glucose Oxidase, Peroxidase)	100 H	mg/dL	Both: Normal: 70-99 Both: Pre-diabetes: 100-125 Both: Diabetes: => 126 ADA standards 2019

--End of Report--

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 MBBS, MD, Biochemistry
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Patient Name : Mr SOMNATH AGARWAL MRN : 1763000006453 Gender/Age : MALE , 38y (19/09/1984)

Collected On : 25/03/2023 09:10 AM Received On : 25/03/2023 09:26 AM Reported On : 25/03/2023 12:23 PM

Barcode : J32303250007 Specimen : Serum Consultant : SELF(GENERAL ADMINISTRATION)

Sample adequacy : Satisfactory Visit No : OP-007 Patient Mobile No : 9051507444

IMMONOLOGY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence Immunoassay (CLIA))	1.25	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence Immunoassay (CLIA))	6.25	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence Immunoassay (CLIA))	4.110 H	µIU/mL	0.4001-4.049

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 Collected On : 25/03/2023 09:10 AM Received On : 25/03/2023 09:26 AM Reported On : 25/03/2023 10:49 AM
 Barcode : J22303250092 Specimen : Whole Blood Consultant : SELF(GENERAL ADMINISTRATION)
 Sample adequacy : Satisfactory Visit No : OP-007 Patient Mobile No : 9051507444

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (sodium Lauryl Sulphate (SLS) Method)	13.8	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	4.72	millions/ μ L	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	42.4	%	40.0-54.0
MCV (Mean Corpuscular Volume) (Derived)	89.8	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	29.2	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.5	%	31.5-34.5
Red Cell Distribution Width (RDW)	13.8	%	11.6-14.0
Platelet Count (Electrical Impedance)	359	Thous/Cumm	150.0-400.0
Mean Platelet Volume (MPV)	8.1	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	9.4	-	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils	57.3	%	40.0-75.0
Lymphocytes (Fluorescent Flow Cytometry)	30.3	%	20.0-40.0
Monocytes (Fluorescent Flow Cytometry)	9.2	%	2.0-10.0
Eosinophils (Fluorescent Flow Cytometry)	2.6	%	1.0-6.0

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Basophils (Fluorescent Flow Cytometry)	0.6	%	0.0-2.0
NRBC	0.1	-	-
Absolute Neutrophil Count	5.39	-	-
Absolute Lymphocyte Count	2.85	-	-
Absolute Monocyte Count	0.86	-	-
Absolute Eosinophil Count	0.24	-	-
Absolute Basophil Count	0.06	-	-

As per the recommendation of International Council for Standardization in Hematology, the differential counts are additionally being reported as absolute numbers.

--End of Report--



Dr. Sourav Sarkar
 MBBS, MD, Pathology
 Consultant

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Patient Name : Mr SOMNATH AGARWAL MRN : 17630000006453 Gender/Age : MALE , 38y (19/09/1984)
 Collected On : 25/03/2023 09:10 AM Received On : 25/03/2023 09:26 AM Reported On : 25/03/2023 10:57 AM
 Barcode : J22303250091 Specimen : Whole Blood - ESR Consultant : SELF(GENERAL ADMINISTRATION)
 Sample adequacy : Satisfactory Visit No : OP-007 Patient Mobile No : 9051507444

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Modified Westergren Method)	42 H	mm/1hr	0.0-10.0

--End of Report--



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Patient Name : Mr SOMNATH AGARWAL MRN : 17630000006453 Gender/Age : MALE , 38y (19/09/1984)
 Collected On : 25/03/2023 10:38 AM Received On : 25/03/2023 10:42 AM Reported On : 25/03/2023 12:41 PM
 Barcode : J42303250007 Specimen : Urine Consultant : SELF(GENERAL ADMINISTRATION)
 Sample adequacy : Satisfactory Visit No : OP-007 Patient Mobile No : 9051507444

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
Urine For Sugar	Absent	-	-
URINE ROUTINE & MICROSCOPY			
PHYSICAL EXAMINATION			
Volume	45	ml	-
Colour	Pale Straw	-	-
Appearance	Clear	-	-
CHEMICAL EXAMINATION			
pH(Reaction)	6.0	-	4.8-7.5
Sp. Gravity	1.010	-	1.002-1.030
Protein	Absent	-	-
Urine Glucose	Absent	-	Negative
Ketone Bodies	Absent	-	-
Bile Salts	Absent	-	Negative
Bile Pigment (Bilirubin)	Absent	-	Negative
Urobilinogen	Normal	-	-
Urine Leucocyte Esterase	Absent	-	-
Blood Urine	Absent	-	Negative
Nitrite	Absent	-	Negative

<p>Narayana Superspeciality Hospital (A Unit of Meridian Medical Research & Hospital Ltd.) CIN U85110W81995PLC071440 Registered office : Andul Road, Howrah, Howrah 711 103 Hospital Address : 120/1, Andul Road, Howrah 711 103 Email : info.nshhowrah@narayanahealth.org www.narayanahealth.org</p>	  <p> 1800-0309-0309 (Toll Free) 1800-309-0309 (Toll Free) 83348 30003 Emergencies </p>
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83348 30003

Patient Name : Mr SOMNATH AGARWAL MRN : 1763000006453 Gender/Age : MALE , 38y (19/09/1984)

MICROSCOPIC EXAMINATION

Pus Cells	1-2	/hpf	0 - 2
RBC	Not Found	-	0 - 3
Epithelial Cells	Occasional	-	2-3
Crystals	Not Found	-	-
Casts	Not Found	-	-
Bacteria	Not Found	-	-
Yeast Cells	Not Found	-	-

--End of Report--

Sourav Sarkar

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Patient Name : Mr SOMNATH AGARWAL MRN : 1763000006453 Gender/Age : MALE , 38y (19/09/1984)
 Collected On : 25/03/2023 01:20 PM Received On : 25/03/2023 01:20 PM Reported On : 25/03/2023 03:27 PM
 Barcode : J12303250187 Specimen : Plasma Consultant : SELF(GENERAL ADMINISTRATION)
 Sample adequacy : Satisfactory Visit No : OP-007 Patient Mobile No : 9051507444

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Glucose Oxidase, Peroxidase)	101	mg/dL	Both: Normal: 70-139 Both: Pre-diabetes: 140-199 Both: Diabetes: => 200 ADA standards 2019

Interpretations:

(ADA Standards Jan 2017)

FBs can be less than PPBS in certain conditions like post prandial reactive hypoglycaemia, exaggerated response to insulin, subclinical hypothyroidism, very lean/anxious individuals. In non-diabetic individuals, such patients can be followed up with GTT.

--End of Report--

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 Collected On : 25/03/2023 09:10 AM Received On : 25/03/2023 09:26 AM Reported On : 25/03/2023 01:03 PM
 Barcode : J12303250099 Specimen : Whole Blood Consultant : SELF(GENERAL ADMINISTRATION)
 Sample adequacy : Satisfactory Visit No : OP-007 Patient Mobile No : 9051507444

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC)	5.4	%	Both: Normal: 4.0-5.6 Both: Prediabetes: 5.7-6.4 Both: Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	108.28	-	-

Interpretation:

- HbA1C above 6.5% can be used to diagnose diabetes provided the patient has symptoms. If the patient does not have symptoms with HbA1C > 6.5%, repeat measurement on further sample. If the repeat test result is < 6.5%, consider as diabetes high risk and repeat measurement after 6 months.
- HbA1C measurement is not appropriate in diagnosing diabetes in children, suspicion of type 1 diabetes, symptoms of diabetes for less than 2 months, pregnancy, hemoglobinopathies, medications that may result sudden increase in glucose, anemia, renal failure, HIV infection, malignancies, severe chronic hepatic, and renal disease.
- Any sample with > 15% should be suspected of having a haemoglobin variant.

--End of Report--

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patient details:
Name:MR.SOMNATH AGARWAL
Age: 38 YEARS
Examination Date: 25.03.2023
Consultant Name:DR.

MRN:17630000006453
Gender:MALE
Processed Date: 25.03.2023
Patient Location: OPD

ECHOCARDIOGRAPHY REPORT

MEASUREMENT:

AO: 26 (20-40) mm	LVID(d): 40 (36-52) mm	IVS(d): 09 (6-11) mm
LA: 32 (19-40) mm	LVID(s) : 20 (23-39) mm	PWd: 08 (6-11) mm
RVOT: 24 mm		LVEF ~ 64 %

VALVES:

Mitral Valve : Normal

Aortic Valve : Normal

Tricuspid Valve : Normal

Pulmonary Valve: Normal

CHAMBERS (Dimension)

Left Atrium : Normal

Right Atrium : Normal

Left Ventricle : Normal

Right Ventricle : Normal

SEPTAL

IVS : Intact

IAS : Intact

GREAT ARTERIES:

Aorta : Normal

Narayana Superspecialty Hospital

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Registered office : Andul Road, Podrah, Howrah 711 109
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Appointments
1800-309-0309 (Toll Free)

Emergencies
83348 30003

DOPPLER DATA:

	Velocity(in m/s)	Peak PG(mmHg)	Mean PG(mmHg)	Regurgitation
Mitral	E - 0.7 , A - 0.5			0/4
Aortic	1.0	4.0		0/4
Tricuspid	2.0	17		Trivial
Pulmonary	0.7	2.3		0/4

LVOT : No significant gradient noted.

Vegetation/Thrombus: Nil

Pericardium : Normal

Other Findings : E/E':07

Final Diagnosis:

Normal size cardiac chambers.
No significant regional wall motion abnormality of LV at rest.
Normal LV systolic function. LV EF~ 64%
Adequate LV diastolic compliance.

Clinical correlation please.
NOTE: Echo of Patient: MR.SOMNATH AGARWAL
MRN: 17630000006453
has been done on 25.03.2023 and reported on 25.03.2023



DR. SHAMICK SAHA
Junior consultant

TECHNICIAN
YADAV

TB: K. DEB

Narayana Superspeciality Hospital

(A Unit of Meridian Medical Research & Hospital Ltd.) CIN U85110W81995PLC71440
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Patient Name	SOMNATH AGARWAL	Requested By	SELF
MRN	17630000006453	Procedure DateTime	2023-03-25 10:22:48
Age/Sex	38Y 6M / Male	Hospital	NH-NMH & NSH

USG OF WHOLE ABDOMEN (SCREENING)

USG OBSERVATIONS:

LIVER:

Normal in size (14.2 cm), shape and outline. **Parenchymal echogenicity is diffusely increased.** No focal cystic or solid mass lesion. No intrahepatic biliary dilatation. Intrahepatic portion of IVC is normal. Porta hepatis is normal.

GALL BLADDER:

Wall thickness is normal. Luminal echoes are normal. No calculi. No pericholecystic fluid seen.

C.B.D: Not dilated. It measures 4.6 mm.

PORTAL VEIN: Portal vein is normal. It measures 10.6 mm.

PANCREAS:

Parenchymal echotexture normal. MPD appears normal. No focal lesion.

SPLEEN:

Normal in size (7.8 cm) and echotexture. No focal or diffuse lesion seen.

KIDNEYS:

Right kidney measures 10.9 cm.

Left kidney measures 10.1 cm.

Normal in size, shape and outline. Parenchymal echotexture normal. Corticomedullary differentiation is well made out and is normal. Sinus echoes are normal. No hydronephrosis seen in both kidneys.

URINARY BLADDER: Wall thickness normal. Luminal echoes normal. No calculi.

PROSTATE:

Measures: 2.9 x 3.9 x 3.1 cm = 20 gms. Normal in size, shape and echo pattern with well demarcated outlines. No obvious focal area of calcification or mass lesion.

No Ascites/ pleural effusion is seen at present.

IMPRESSION:

Present study suggests:

- **Grade II fatty changes of liver.**

--- Follow up and clinical correlation suggested.

Not for medico legal purpose. Like all diagnostic modalities, USG also has its limitations. Therefore USG report should be interpreted in correlation with clinical and pathological findings. All typing and topographical error is regretted and if detected at any time is correctable. Please inform us immediately.

Maitri

Dr. MAITRI RANG
CONSULTANT SONOLOGIST
MBBS,CBET (IPGMER & SSKM HOSPITAL)
REGISTRATION NO - 89027 WBMC

This is a digitally signed valid document. Reported Date/Time: 2023-03-25 16:33:35



ID: 1763000006453
Name: SOMNATH AGARWAL
Age: 38 Years
Gender: Male

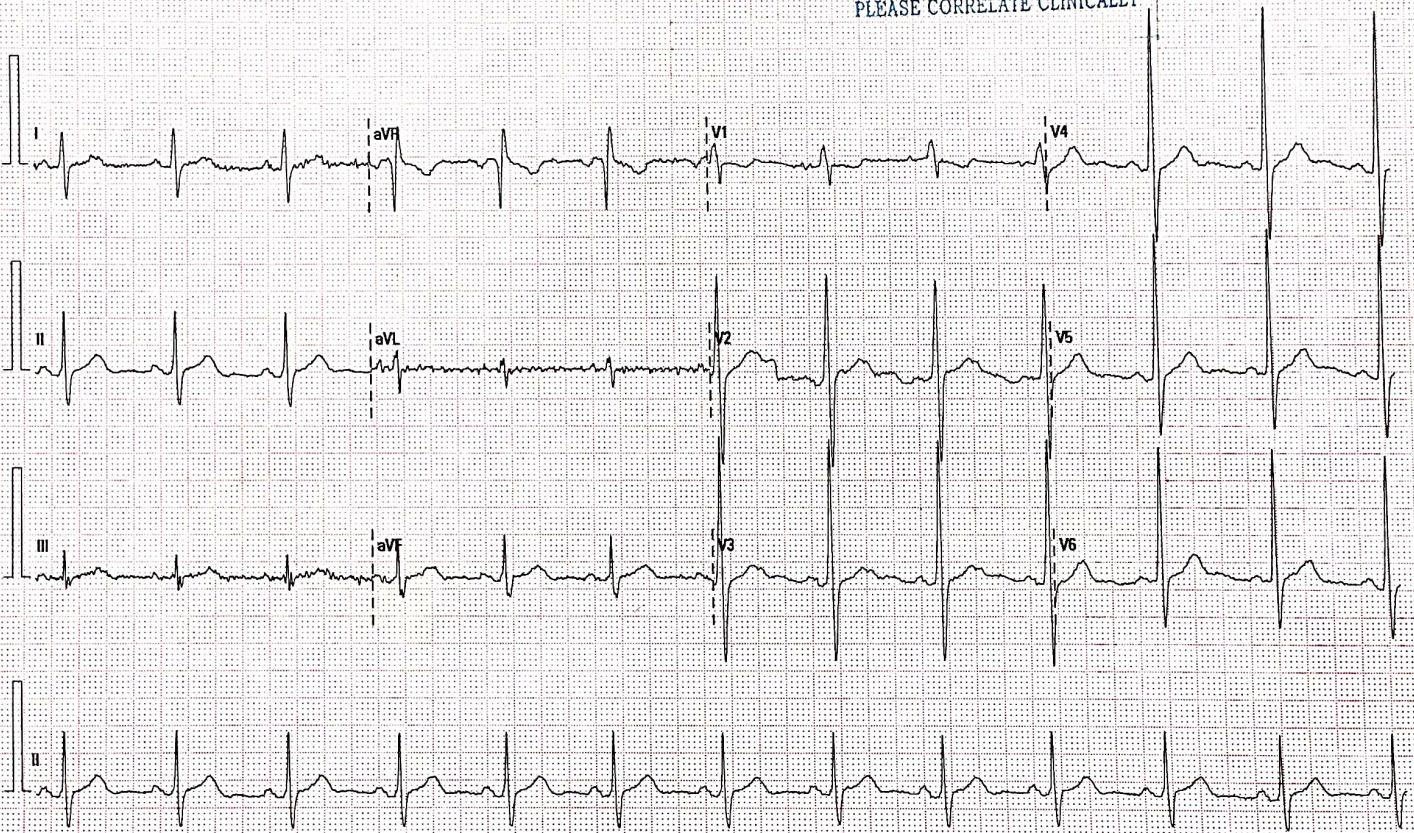
2023-03-25 09:34:24

Vent. Rate 74 bpm
PR Interval 158 ms
QRS Duration 98 ms
QT/QTc Interval 390/415 ms
P/QRS/T Axes 36/68/53 deg
QTc:Hodges

Sinus rhythm
Normal ECG

Unconfirmed Diagnosis

PLEASE CORRELATE CLINICALLY



Keep A Photocopy

25 mm/s 20 mm/mV 50 Hz BDR 35 Hz

02.10.00/V28.4.1 SN FN-19030337