

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Shivani Krishna MRN : 17510001163265 Gender/Age : FEMALE , 38y (27/01/1985)

Collected On : 17/02/2023 10:50 AM Received On : 17/02/2023 11:08 AM Reported On : 17/02/2023 12:27 PM

Barcode : 802302170516 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9284007415

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.57	mg/dL	0.52-1.04
eGFR	118.8	mL/min/1.73m ²	-
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric - Urease)	5.57 L	-	7.0-17.0
Serum Sodium (Direct ISE - Potentiometric)	141	mmol/L	137.0-145.0
Serum Potassium (Direct ISE - Potentiometric)	4.1	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	133	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic Endpoint Colorimetric)	56	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	42	mg/dL	40.0-60.0
Non-HDL Cholesterol	91.0	-	-
LDL Cholesterol (Non LDL Selective Elimination, CHOD/POD)	76.4	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	11.2	mg/dL	0.0-40.0
Cholesterol /HDL Ratio	3.2	-	-

LIVER FUNCTION TEST(LFT)

Patient Name : Ms Shivani Krishna MRN : 17510001163265 Gender/Age : FEMALE , 38y (27/01/1985)			
Bilirubin Total (Colorimetric -Diazo Method)	1.24	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Calculated)	0.31	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Colorimetric Endpoint)	0.94	-	-
Total Protein (Biuret Method)	7.40	g/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.00	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.5	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.15	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	27	U/L	14.0-36.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	26	U/L	<35.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	64	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	12	U/L	12.0-43.0

--End of Report--



Dr. Debasree Biswas
MD, Biochemistry
Clinical Biochemist MBBS, MD



Dr. Sujata Ghosh
PhD, Biochemistry
Biochemist M.Sc , Ph. D

Patient Name : Ms Shivani Krishna MRN : 17510001163265 Gender/Age : FEMALE , 38y (27/01/1985)

Note

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.
(LFT, -> Auto Authorized)
(Lipid Profile, -> Auto Authorized)
(Blood Urea Nitrogen (Bun), -> Auto Authorized)
(Serum Sodium, -> Auto Authorized)
(Serum Potassium, -> Auto Authorized)
(CR -> Auto Authorized)



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Barcode : 802302170516 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

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CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence Immunoassay (CLIA))	1.13	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence Immunoassay (CLIA))	8.03	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence Immunoassay (CLIA))	5.650 H	uIU/ml	Non Pregnant: 0.4001-4.049 1st Trimester: 0.1298-3.10 2nd Trimester: 0.2749-2.652 3rd Trimester: 0.3127-2.947

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Clinical Biochemist MBBS, MD

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Collected On : 17/02/2023 10:50 AM Received On : 17/02/2023 01:17 PM Reported On : 17/02/2023 02:23 PM

Barcode : 822302170046 Specimen : Urine Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9284007415

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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URINE ROUTINE & MICROSCOPY**PHYSICAL EXAMINATION**

Volume	40	ml	-
Colour	Pale Yellow	-	-
Appearance	Clear	-	-

CHEMICAL EXAMINATION

pH(Reaction) (Mixed PH Indicator)	6.5	-	4.8-7.5
Sp. Gravity (Dual Wavelength Reflectance)	1.005	-	1.002-1.030
Protein (Protein Error Of PH Indicator)	Negative	-	-
Urine Glucose (Glucose Oxidase, Peroxidase)	Negative	-	Negative
Ketone Bodies (Legal's Method)	Negative	-	Negative
Bile Salts (Dual Wavelength Reflectance/Manual)	Negative	-	Negative
Bile Pigment (Bilirubin) (Coupling Of Bilirubin With Diazonium Salt)	Negative	-	Negative
Urobilinogen (Coupling Reaction Of Urobilinogen With A Stable Diazonium Salt In Buffer)	Normal	-	Normal
Urine Leucocyte Esterase (Enzymatic, Indoxyl Ester And Diazonium Salt)	Negative	-	Negative
Blood Urine (Pseudo - Enzymatic Test, Organic Peroxidase And Chromogen)	Negative	-	Negative
Nitrite (Modified Griess Reaction)	Negative	-	Negative

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MICROSCOPIC EXAMINATION

Pus Cells	0-2	/hpf	1-2
RBC	NIL	/hpf	0 - 3
Epithelial Cells	1-2	/hpf	2-3
Crystals	NIL	-	-
Casts	NIL	-	-

--End of Report--



Dr. Moumita Panja
DNB, Pathology
Consultant Pathologist

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Collected On : 17/02/2023 10:50 AM Received On : 17/02/2023 11:16 AM Reported On : 17/02/2023 02:34 PM

Barcode : BR2302170047 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9284007415

IMMUNOHAEMATOLOGY

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group (Column Agglutination Technology)	A	-
RH Typing (Column Agglutination Technology)	Positive	-

--End of Report--

Dr. Amal Kumar Saha
MBBS, D.PED, ECFMG
Blood Bank Officer

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Collected On : 17/02/2023 10:50 AM Received On : 17/02/2023 11:09 AM Reported On : 17/02/2023 11:53 AM

Barcode : 812302170326 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9284007415

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	12.6	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.04	millions/ μ L	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	37.7	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived From RBC Histogram)	93.5	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	31.3	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	33.5	%	31.5-34.5
Red Cell Distribution Width (RDW) (Calculated)	13.1	%	11.6-14.0
Platelet Count (Electrical Impedance)	190	$10^3/\mu$ L	150.0-400.0
Mean Platelet Volume (MPV) (Derived)	11.7	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	5.1	$10^3/\mu$ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCSn Technology)	55.3	%	40.0-75.0
Lymphocytes (VCSn Technology)	31.0	%	20.0-40.0
Monocytes (VCSn Technology)	8.1	%	2.0-10.0
Eosinophils (VCSn Technology)	5.0	%	1.0-6.0

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Basophils (VCSn Technology)	0.6	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	2.83	$10^3/\mu\text{L}$	1.8-7.8
Absolute Lymphocyte Count (Calculated)	1.59	$10^3/\mu\text{L}$	1.0-4.8
Absolute Monocyte Count (Calculated)	0.42	$10^3/\mu\text{L}$	0.0-0.8
Absolute Eosinophil Count (Calculated)	0.26	$10^3/\mu\text{L}$	0.0-0.45
Absolute Basophil Count (Calculated)	0.04	$10^3/\mu\text{L}$	0.0-0.2

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

--End of Report--



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Collected On : 17/02/2023 10:50 AM Received On : 17/02/2023 11:09 AM Reported On : 17/02/2023 01:15 PM

Barcode : 802302170519 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9284007415

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC)	4.5	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	82.45	-	-

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-

Dr. Sujata Ghosh
PhD, Biochemistry
Biochemist M.Sc , Ph. D

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Collected On : 17/02/2023 10:50 AM Received On : 17/02/2023 11:09 AM Reported On : 17/02/2023 12:23 PM

Barcode : 812302170325 Specimen : Whole Blood - ESR Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9284007415

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Modified Westergren Method)	54 H	mm/1hr	0.0-12.0

--End of Report--

Dr. Sanjib Kumar Pattari
MD, Pathology
Consultant Pathology MBBS, MD

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Patient Name : Ms Shivani Krishna MRN : 17510001163265 Gender/Age : FEMALE , 38y (27/01/1985)

Collected On : 17/02/2023 10:50 AM Received On : 17/02/2023 06:01 PM Reported On : 18/02/2023 12:24 PM

Barcode : 872302170003 Specimen : Fluid & Swab Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9284007415

CYTOLOGY

CERVICAL SMEAR FOR CYTOLOGY

LAB NO	GC-148/23
MATERIAL RECEIVED	Received unstained smears
SPECIMEN TYPE	Cervical smear
SMEAR ADEQUACY	Smears are satisfactory for evaluation
MICROSCOPIC EXAMINATION	The 2014 Bethesda system for reporting. Smears studied show mainly superficial squamous cells, intermediate squamous cells and parabasal cells. Few metaplastic cells are seen. Monilia and T. vaginalis are absent. Dysplastic and malignant cells are absent. No inflammatory cells are seen in the smears.
IMPRESSION	Negative for intraepithelial lesion or malignancy

--End of Report--

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Collected On : 17/02/2023 10:50 AM Received On : 17/02/2023 11:08 AM Reported On : 17/02/2023 12:22 PM

Barcode : 802302170518 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9284007415

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Glucose Oxidase, Peroxidase)	88	mg/dL	Normal: 70-99 Pre-diabetes: 100-125 Diabetes: => 126 ADA standards 2019

--End of Report--

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MD, Biochemistry
Clinical Biochemist MBBS, MD

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Biochemist M.Sc , Ph. D

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(Fasting Blood Sugar (FBS) -> Auto Authorized)



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Patient Name : Ms Shivani Krishna MRN : 17510001163265 Gender/Age : FEMALE , 38y (27/01/1985)

Collected On : 17/02/2023 03:39 PM Received On : 17/02/2023 03:59 PM Reported On : 17/02/2023 04:45 PM

Barcode : 802302170851 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9284007415

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Glucose Oxidase, Peroxidase)	98	mg/dL	Normal: 70-139 Pre-diabetes: 140-199 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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Biochemist M.Sc , Ph. D

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(Post Prandial Blood Sugar (PPBS) -> Auto Authorized)



ADULT TRANS-THORACIC ECHO REPORT

PATIENT NAME : Ms Shivani Krishna
GENDER/AGE : Female, 38 Years
LOCATION : -

PATIENT MRN : 17510001163265
PROCEDURE DATE : 17/02/2023 04:14 PM
REQUESTED BY : EXTERNAL



IMPRESSION

- NO SIGNIFICANT ECHOCARDIOGRAPHIC ABNORMALITY DETECTED.

FINDINGS

CHAMBERS

LEFT ATRIUM : NORMAL SIZED
RIGHT ATRIUM : NORMAL SIZED
LEFT VENTRICLE : NORMAL SIZED CAVITY. NO REGIONAL WALL MOTION ABNORMALITY. GOOD SYSTOLIC FUNCTION WITH EJECTION FRACTION: 65 %. NORMAL DIASTOLIC FLOW PATTERN.
RIGHT VENTRICLE : NORMAL SIZE AND THICKNESS WITH NORMAL FUNCTION

VALVES

MITRAL : NORMAL.
AORTIC : NORMAL.
TRICUSPID : NORMAL.
PULMONARY : NORMAL.

SEPTAE

IAS : INTACT
IVS : INTACT

ARTERIES AND VEINS

AORTA : NORMAL, LEFT AORTIC ARCH
PA : NORMAL SIZE
IVC : NORMAL SIZE & COLLAPSIBILITY
SVC & CS : NORMAL
PULMONARY VEINS : NORMAL

PERICARDIUM : NORMAL PERICARDIAL THICKNESS. NO EFFUSION

INTRACARDIAC MASS : NO TUMOUR, THROMBUS OR VEGETATION SEEN

OTHERS : NIL.

MS SHIVANI KRISHNA (17510001163265)

DR. RANJIT MUKHERJEE
ASSOCIATE CONSULTANT ECHOCARDIOGRAPHY MBBS, PGDCC

RUPA ANTONY
TECHNICIAN

17/02/2023 04:14 PM

PREPARED BY	: SARMISTHA PRAMANIK(335772)	PREPARED ON	: 17/02/2023 04:16 PM
GENERATED BY	: MADHUPARNA DASGUPTA(333433)	GENERATED ON	: 23/02/2023 10:35 AM

Patient Name	Shivani Krishna	Requested By	EXTERNAL
MRN	17510001163265	Procedure DateTime	2023-02-17 12:03:15
Age/Sex	38Y/Female	Hospital	NH-RTIICS

USG OF WHOLE ABDOMEN (SCREENING)

LIVER:

Enlarged in size and normal in echogenicity. No focal SOL is seen. Intrahepatic biliary radicles are not dilated.

PORTAL VEIN:

Portal vein is normal in calibre measuring 0.9 cm at porta. There is no intraluminal thrombus.

GALL BLADDER:

Not visualised (History of operation--Verbal information, OT note not available at the time of scan).

CBD:

Common duct is not dilated measuring 0.4 cm at porta. No intraluminal calculus is seen.

SPLEEN:

Normal in size measuring 11.0 cm and echogenicity. No focal SOL is seen.

PANCREAS:

Normal in size and echogenicity. Duct is not dilated. No calcification or focal SOL is seen.

KIDNEYS:

Both kidneys are normal in size, position and echogenicity. Corticomedullary differentiation is maintained. No

hydronephrosis, calculus or mass is seen.

Right kidney and left kidney measures 10.0 cm and 10.9 cm respectively.

URINARY BLADDER:

Normal in capacity. Wall is not thickened. No intraluminal calculus or mass is seen. Post void residual urine is insignificant.

UTERUS:

Normal in size measuring 7.7 x 3.3 x 5.4 cm with normal echopattern. No focal SOL is seen. Endometrial echoline is central in position, not thickened. Cervix appears normal.

OVARIES:

Both ovaries are normal in size, shape and echotexture.

Right and left ovaries measures 3.5 x 2.0 cm and 2.7 x 2.0 cm respectively.

POD:

No free fluid seen in POD.

ADNEXAE:

Both adnexae clear.

IMPRESSION:

- Hepatomegaly.

NOT FOR MEDICO LEGAL PURPOSES

This is only a Radiological Impression and not Diagnosis. 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.

Assist By: Sutapa.

A handwritten signature in black ink, appearing to be 'S.B.' with a horizontal line underneath and three dots to the right.

Dr. Suranjana Bhattacharjee

Consultant Sonologist

Patient Name	Shivani Krishna	Requested By	EXTERNAL
MRN	17510001163265	Procedure DateTime	2023-02-17 14:12:33
Age/Sex	38Y/Female	Hospital	NH-RTIICS

CHEST RADIOGRAPH (PA VIEW)

FINDINGS :

- Trachea is normal and is central.
- The cardiac shadow is normal in contour.
- Mediastinum and great vessels are within normal limits.
- The hilar shadows are within normal limits.
- The costo-phrenic angles are clear.
- No significant lung parenchymal lesion is seen.
- The visualized bones and soft tissue structures appear normal.
- Both the diaphragmatic domes appear normal.

IMPRESSION:

- **No significant radiological abnormality detected.**

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All typing and topographical error is regretted and if detected at any time is correctable. Please inform us immediately.



Dr. Sarbari Chatterjee

Consultant Radiologist

* **This is a digitally signed valid document.** Reported Date/Time: 2023-02-17 19:48:01