Rabindranath Tagore
International Institute of Cardiac Sciences
Unit of Narayana Hrudayalaya Limited

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Sucheta Patra MRN : 17510001227008 Gender/Age : FEMALE , 32y (31/05/1991)

Collected On : 31/10/2023 11:04 AM Received On : 31/10/2023 12:05 PM Reported On : 31/10/2023 01:33 PM

Barcode : BR2310310034 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9933701665

IMMUNOHAEMATOLOGY

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

--End of Report-

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

MC - 2803

Note

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

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GISTIN/UIN : 19AABCN1685J1Z5

Appointments
180 0309 0309 (Toll free)
Emergencies
99033 35544

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Sucheta Patra MRN : 17510001227008 Gender/Age : FEMALE , 32y (31/05/1991)

Collected On : 31/10/2023 11:04 AM Received On : 31/10/2023 11:17 AM Reported On : 31/10/2023 12:13 PM

Barcode : 802310310407 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9933701665

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.56	mg/dL	0.52-1.04
eGFR	125.5	mL/min/1.73m^2	-
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric - Urease)	**6.03 L**	mg/dL	7.0-17.0
Serum Sodium (Direct ISE - Potentiometric)	138	mmol/L	137.0-145.0
Serum Potassium (Direct ISE - Potentiometric)	4.2	mmol/L	3.5-5.1
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	146	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Enzymatic Endpoint Colorimetric)	117	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	104.0	-	-
LDL Cholesterol (Non LDL Selective Elimination, CHOD/POD)	84.78	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	23.4	mg/dL	0.0-40.0
Cholesterol /HDL Ratio	3.5	-	-
LIVER FUNCTION TEST(LFT)			

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Bilirubin Total (Colorimetric -Diazo Method)	0.94	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Calculated)	0.22	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Colorimetric Endpoint)	0.72	-	-
Total Protein (Biuret Method)	7.80	g/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.30	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.5	g/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.23	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	28	U/L	14.0-36.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	20	U/L	<35.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	63	IU/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	16	U/L	12.0-43.0

--End of Report-

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

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

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(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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Collected On : 31/10/2023 11:04 AM Received On : 31/10/2023 11:17 AM Reported On : 31/10/2023 01:23 PM

Barcode : 802310310407 Specimen : Serum Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9933701665

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence Immunoassay (CLIA))	1.29	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence Immunoassay (CLIA))	**11.3 H**	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence Immunoassay (CLIA))	2.541	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

--End of Report-

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PhD, Biochemistry
Biochemist M.Sc , Ph. D

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Final Report

Patient Name : Ms Sucheta Patra MRN : 17510001227008 Gender/Age : FEMALE , 32y (31/05/1991)

Collected On : 31/10/2023 11:04 AM Received On : 31/10/2023 11:18 AM Reported On : 31/10/2023 12:18 PM

Barcode : 812310310234 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9933701665

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	**10.6 L**	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.79	millions/ µL	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	**33.9 L**	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived From RBC Histogram)	**70.7 L**	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	**22.1 L**	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	**31.2 L**	%	31.5-34.5
Red Cell Distribution Width (RDW) (Calculated)	**16.6 H**	%	11.6-14.0
Platelet Count (Electrical Impedance)	**130 L**	10^3/µL	150.0-400.0
checked			
Mean Platelet Volume (MPV) (Derived)	**15.5 H**	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	6.1	10^3/µL	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCSn Technology)	69.9	%	40.0-75.0
Lymphocytes (VCSn Technology)	22.5	%	20.0-40.0
Monocytes (VCSn Technology)	5.9	%	2.0-10.0

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Eosinophils (VCSn Technology)	1.5	%	1.0-6.0
Basophils (VCSn Technology)	0.2	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	4.26	$10^3/\mu L$	1.8-7.8
Absolute Lymphocyte Count (Calculated)	1.37	$10^3/\mu L$	1.0-4.8
Absolute Monocyte Count (Calculated)	0.36	$10^3/\mu L$	0.0-0.8
Absolute Eosinophil Count (Calculated)	0.09	$10^3/\mu L$	0.0-0.45
Absolute Basophil Count (Calculated)	0.01	$10^3/\mu L$	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-

Dr. Rakhi Mandal
MD, Pathology
Consultant Pathology MBBS, MD

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Collected On : 31/10/2023 11:04 AM Received On : 31/10/2023 11:18 AM Reported On : 31/10/2023 01:34 PM

Barcode : 812310310233 Specimen : Whole Blood - ESR Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9933701665

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Modified Westergren Method)	**62 H**	mm/1hr	0.0-12.0

--End of Report-

Dr. Rakhi Mandal
MD, Pathology
Consultant Pathology MBBS, MD

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DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Sucheta Patra MRN : 17510001227008 Gender/Age : FEMALE , 32y (31/05/1991)

Collected On : 31/10/2023 11:04 AM Received On : 31/10/2023 11:18 AM Reported On : 31/10/2023 12:03 PM

Barcode : 802310310408 Specimen : Plasma Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9933701665

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
FASTING BLOOD GLUCOSE (FBG) (Glucose Oxidase, Peroxidase)	86	mg/dL	Normal: 70-99 Pre-diabetes: 100-125 Diabetes: => 126 ADA standards 2019

--End of Report-

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

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

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(FASTING BLOOD GLUCOSE (FBG) -> Auto Authorized)

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DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Sucheta Patra MRN : 17510001227008 Gender/Age : FEMALE , 32y (31/05/1991)

Collected On : 31/10/2023 11:04 AM Received On : 31/10/2023 11:18 AM Reported On : 31/10/2023 12:09 PM

Barcode : 802310310409 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9933701665

CLINICAL CHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC)	5.2	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2019 (Carpenter/ Coustan)
Estimated Average Glucose	102.54	-	-

Interpretation:

1. 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.

2. 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.

3. Any sample with >15% should be suspected of having a haemoglobin variant.

--End of Report-

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Biochemist M.Sc , Ph. D

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Collected On : 31/10/2023 11:04 AM Received On : 31/10/2023 12:09 PM Reported On : 31/10/2023 01:53 PM

Barcode : 822310310046 Specimen : Urine Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9933701665

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
URINE ROUTINE & MICROSCOPY			
PHYSICAL EXAMINATION			
Volume	40	ml	-
Colour	Pale Yellow	-	-
Appearance	Cloudy	-	-
CHEMICAL EXAMINATION			
pH(Reaction) (Mixed PH Indicator)	7.5	-	4.8-7.5
Sp. Gravity (Dual Wavelength Reflectance)	1.004	-	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)	Trace	-	-
Blood Urine (Pseudo - Enzymatic Test, Organic Peroxidase And Chromogen)	Trace	-	-
Nitrite (Modified Griess Reaction)	Negative	-	Negative

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MICROSCOPIC EXAMINATION

Pus Cells	10-15	/hpf	1-2
RBC	0-2	/hpf	0 - 3
Epithelial Cells	15-20	/hpf	2-3
Crystals	NIL	-	-
Casts	NIL	-	-

--End of Report-

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