

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Swati Soy MRN : 17530000234247 Gender/Age : FEMALE , 33y (29/03/1990)

Collected On : 30/03/2023 10:36 AM Received On : 30/03/2023 11:08 AM Reported On : 30/03/2023 01:55 PM

Barcode : RB2303300002 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9559736800

BLOOD BANK

Test	Result	Unit
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BLOOD GROUP & RH TYPING

Blood Group	"B"	-
RH Typing	POSITIVE	-

--End of Report--



Dr. Mohit Pradhan
MBBS, MD Pathology
Consultant Pathologist

Note

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- Results relate to the sample only.
- Kindly correlate clinically.



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Collected On : 30/03/2023 10:36 AM Received On : 30/03/2023 11:08 AM Reported On : 30/03/2023 01:36 PM

Barcode : R42303300030 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9559736800

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	11.87 L	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	5.04 H	million/ μ L	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	36.7	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived)	72.8 L	fL	80.0-100.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	23.6 L	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.3	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	15.9 H	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	220	Thousand / μ L	150.0-450.0
Mean Platelet Volume (MPV)	12.24 H	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	5.74	Thousand / μ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	58	%	35.0-66.0
Lymphocytes (VCS Technology Plus Microscopy)	40	%	24.0-44.0
Monocytes (VCS Technology Plus Microscopy)	01 L	%	3.0-6.0
Eosinophils (VCS Technology Plus Microscopy)	01	%	0.0-3.0

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Basophils (VCS Technology Plus Microscopy)	00	%	0.0-1.0
Absolute Neutrophil Count	3.33	-	-
Absolute Lymphocyte Count	2.3	-	-
Absolute Monocyte Count	0.06	-	-
Absolute Eosinophil Count	0.06	-	-
Absolute Basophil Count	0.02	-	-

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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DEPARTMENT OF NON INVASIVE CARDIOLOGY

Report of Echocardiography/colour Doppler studies

Patient MRN : 17530000234247	Report Date : 30.03.2023
Patients Name : Ms Swati Soy	
Age/Sex : 33Yrs / Female	

DATA (all values in cms):

Aortic Root	2.3	LV end-diastolic diameter	4.6
Left atrium	3.0	LV Post-wall thickness	0.9
Right Ventricle/ RA		LV end-systolic diameter	2.7
Ventricular septum	0.9	LV Ejection fraction	65%

IMPRESSION:

**Left ventricle : No RWMA
Normal size LV cavity
Normal LV systolic function with LVEF- 65%.**

Right ventricle : Normal size RV, Good RV function.

Atria : Normal.

Mitral valve : Normal,

Tricuspid valve : Normal, RVSP= RAP+ 12mmHg.

Aortic valve : Normal, peak velocity – 1.2m/sec.

Pulmonic valve : Normal, peak velocity – 0.9m/sec.

IAS & IVS : Intact.

Pericardium : Normal.

**Others : Nil,
No intra cardiac clot / vegetation / Pericardial effusion.**

**Conclusion : No RWMA
Normal LV systolic function with LVEF- 65%.**

Dr Mukesh Kumar

PG Diploma cardiology(Non Invasive)

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Collected On : 30/03/2023 10:36 AM Received On : 30/03/2023 11:08 AM Reported On : 30/03/2023 01:46 PM

Barcode : R42303300031 Specimen : Whole Blood - ESR Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9559736800

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	100 H	mm/hr	0.0-12.0

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Patient Name : Ms Swati Soy MRN : 17530000234247 Gender/Age : FEMALE , 33y (29/03/1990)

Collected On : 30/03/2023 10:36 AM Received On : 30/03/2023 12:54 PM Reported On : 30/03/2023 02:15 PM

Barcode : R12303300052 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9559736800

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Hexokinase)	83	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)

--End of Report--



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Collected On : 30/03/2023 10:36 AM Received On : 30/03/2023 11:08 AM Reported On : 30/03/2023 01:30 PM

Barcode : R12303300054 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9559736800

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC NGSP Certified)	4.6	%	Normal: 4.0-5.6 Pre Diabetes: 5.7-6.4 Diabetes: => 6.5 ADA Recommendation 2017
Estimated Average Glucose	85.32	%	-

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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Collected On : 30/03/2023 10:36 AM Received On : 30/03/2023 12:54 PM Reported On : 30/03/2023 02:15 PM

Barcode : R12303300053 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9559736800

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Cholesterol Oxidase/Peroxidase)	173	mg/dL	Desirable: < 200 Borderline: 200-239 High: > 240
Triglycerides (LPL/GK)	112	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Dextran Sulphate/ PEG Cholesterol Esterase)	56	mg/dL	40.0-60.0
Non-HDL Cholesterol	117	-	-
LDL Cholesterol (Enzymatic Method (cholesterol Oxidase, Esterase, Peroxidase))	95	mg/dL	Optimal: < 100 Near Optimal: 100-129 Borderline: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	22.4	mg/dL	<40.0
Cholesterol /HDL Ratio (Calculated)	3.1	-	<4.5
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Caffeine Benzoate)	0.72	mg/dL	0.2-1.0
Conjugated Bilirubin (Direct) (Diazotised Sulphanilic Acid)	0.17	mg/dL	0.0-0.2
Unconjugated Bilirubin (Indirect)	0.55	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	8.61 H	gm/dL	6.4-8.2
Serum Albumin (Bromocresol Purple Dye Binding)	4.22	gm/dL	3.4-5.0
Serum Globulin (Calculated)	4.39 H	gm/dL	2.0-3.5

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Albumin To Globulin (A/G)Ratio (Calculated)	0.96 L	-	1.0-2.1
SGOT (AST) (UV With Pyridoxal-5-phosphate)	33	U/L	15.0-37.0
SGPT (ALT) (UV With Pyridoxal-5-phosphate)	31	U/L	14.0-59.0
Alkaline Phosphatase (ALP) (AMP Buffer)	102	U/L	46.0-116.0
Gamma Glutamyl Transferase (GGT) (GCNA)	28	U/L	5.0-55.0

RENAL PACKAGE - 2 (RFT FASTING)

Fasting Blood Sugar (FBS) (Hexokinase)	80	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)
Blood Urea Nitrogen (BUN) (Urease, UV)	12.41	mg/dL	7.0-20.0

SERUM CREATININE

Serum Creatinine (Jaffe's Kinetic IDMS)	0.47 L	mg/dL	0.6-1.1
eGFR (Calculated)	152.6	mL/min/1.73m ²	Inductive of Renal Impairment:<60 Note:eGFR is inaccurate for Hemodynamically unstable patients. eGFR is not applicable for less than 18 years of age .
Serum Sodium (Indirect IMT)	141.05	mmol/L	136.0-145.0
Serum Potassium (Indirect IMT)	4.08	mmol/L	3.5-5.0
Serum Chloride (Indirect IMT)	107.81 H	mmol/L	98.0-107.0
Serum Bicarbonate Level (Enzymatic Method)	22	mmol/L	21.0-32.0
Serum Calcium (Cresol Complex)	8.87	mg/dL	8.5-10.1
Serum Magnesium (Methyl Thymol Blue Dye Binding)	2.08	mg/dL	1.8-2.4
Serum Uric Acid (Uricase, UV)	3.7	mg/dL	2.6-6.0
Serum Phosphorus (Phosphomolybdate Reduction)	2.7	mg/dL	2.6-4.7

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Patient Name : Ms Swati Soy MRN : 17530000234247 Gender/Age : FEMALE , 33y (29/03/1990)

Collected On : 30/03/2023 02:17 PM Received On : 30/03/2023 02:56 PM Reported On : 30/03/2023 03:36 PM

Barcode : R12303300076 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9559736800

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Hexokinase)	99	mg/dL	Normal: 70-139 Pre Diabetes: 140-199 Diabetes: => 200 ADA standards 2017

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Collected On : 30/03/2023 10:36 AM Received On : 30/03/2023 12:54 PM Reported On : 30/03/2023 02:42 PM

Barcode : R22303300008 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9559736800

SEROLOGY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Chemiluminescence)	2.15	nmol/L	1.49-2.6
Thyroxine (T4) (Chemiluminescence)	7.88	ug/dl	4.5-12.0
TSH (Thyroid Stimulating Hormone) (Chemiluminescence)	3.491	μIU/mL	0.49-4.67

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Collected On : 30/03/2023 10:36 AM Received On : 30/03/2023 12:54 PM Reported On : 30/03/2023 02:35 PM

Barcode : R72303300007 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9559736800

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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URINE ROUTINE & MICROSCOPY

PHYSICAL EXAMINATION

Volume	40	ml	-
Colour	Straw Coloured	-	-
Appearance	Clear	-	-

CHEMICAL EXAMINATION

pH(Reaction) (pH Indicator Method)	6.5	-	4.8-7.5
Sp. Gravity (Automated)	1.020	-	1.002-1.03
Protein (Error Of Indicators)	Nil	-	Nil
Urine Glucose (Enzyme Method (GOD POD))	Nil	-	-
Ketone Bodies (Rothers's Principle)	Nil	-	-
Bile Salts (Diazo Reaction)	Nil	-	-
Bile Pigment (Bilirubin) (Diazo Reaction)	Ni	-	-
Urobilinogen (Modified Ehrlich's Reaction)	Nil	-	-
Urine Leucocyte Esterase (Esterase Reaction With Pyrrole Compound)	Ni	-	-
Blood Urine (Peroxidase Reaction)	Nil	-	-
Nitrite (Reaction With Diazonium Compound)	Nil	-	-

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MICROSCOPIC EXAMINATION

Pus Cells	3-4/hpf	/hpf	0-2/hpf
RBC	Nil	-	-
Epithelial Cells	2-3/hpf	/hpf	2-3/hpf
Crystals	Nil	-	-
Casts	Nil	-	-
Bacteria	Nil	-	-
Yeast Cells	Nil	-	-
Others	Nil	-	-
Urine For Sugar (Fasting)	<20	-	-

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Collected On : 30/03/2023 02:17 PM Received On : 30/03/2023 03:23 PM Reported On : 30/03/2023 04:03 PM

Barcode : R72303300017 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9559736800

CLINICAL PATHOLOGY

Test	Result	Unit
Urine For Sugar (Post Prandial)	<20	-

--End of Report--



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Patient Name	Swati Soy	Requested By	Dr. Santosh Gupta
MRN	17530000234247	Procedure DateTime	2023-03-30 12:33:11
Age/Sex	33Y / Female	Hospital	NH Jamshedpur

USG WHOLE ABDOMEN

LIVER -

Size: Mildly enlarged, 15.4 cm in cranio-caudal length.

Echotexture: Homogenously increased Grade-I, no focal lesion seen.

IHBD: Nil

Portal vein: Normal in caliber.

GB: Well distended, echofree. Wall is normal in thickness.

CBD: Normal in caliber.

PANCREAS: Normal in size & echotexture.

SPLEEN: Normal in size (11.1 cm) & echotexture.

KIDNEYS:-

Right kidney:

Size: Normal, 11.3 cm in bipolar length.

Echotexture: Cortical echogenicity is normal, CMD is maintained.

No hydronephrosis or calculus seen.

Left kidney:

Size: Normal, 11.7 cm in bipolar length.

Echotexture: Cortical echogenicity is normal, CMD is maintained.

*Tiny calculus of size 3.4 mm is seen in mid pole. No hydronephrosis is seen.

URINARY BLADDER: Well distended, echofree.

UTERUS: Anteverted, normal in size (8.6 cm in bipolar length). Endometrium is central & normal in thickness (13mm) Myometrium is homogenous. Cervix is normal in thickness (29 mm).

OVARIES: Normal in size & echotexture

RO: Size, 2.7 cm in bipolar length.

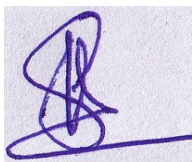
LO: Size, 3.4 cm in bipolar length, dominant follicle of size 1.8 cm is seen.

FREE FLUID: Nil

*Visualized bowel loops appear normal, no significant lymphadenopathy seen.

IMPRESSION:

1. Mild hepatomegaly with Grade-I fatty change.
2. Left renal tiny calculus.



Dr Shashi Bhushan Kumar
Consultant Radiologist

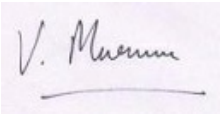
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Patient Name	Swati Soy	Requested By	Dr. Santosh Gupta
MRN	17530000234247	Procedure DateTime	2023-03-30 13:32:37
Age/Sex	33Y / Female	Hospital	NH Jamshedpur

X-RAY CHEST (PA VIEW)

No parenchymal lesion seen in lung fields.
CP angles are clear.
Cardiac shadow is within normal limit.
Visualized bones & soft tissue appears normal.

IMPRESSION: Normal study.



Dr Violet Murmu MD.
Sr.Consultant Radiologist

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