

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr SUNNY SONA MRN : 17530000128412 Gender/Age : MALE , 35y (01/11/1987)

Collected On : 15/04/2023 09:38 AM Received On : 15/04/2023 10:39 AM Reported On : 15/04/2023 11:36 AM

Barcode : RB2304150002 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 8969442632

BLOOD BANK

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group	"B"	-
RH Typing	Positive	-

--End of Report--



Dr. Mohit Pradhan
MBBS, MD Pathology
Consultant Pathologist

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Barcode : R42304150018 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 8969442632

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	14.25	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	4.74	million/ μ l	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	42.5	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	89.6	fL	80.0-100.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	30.1	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	33.5	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	12.4	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	190	Thousand / μ L	150.0-450.0
Mean Platelet Volume (MPV)	12.88 H	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	5.65	Thousand / μ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	55	%	35.0-66.0
Lymphocytes (VCS Technology Plus Microscopy)	38	%	24.0-44.0
Monocytes (VCS Technology Plus Microscopy)	01 L	%	3.0-6.0
Eosinophils (VCS Technology Plus Microscopy)	06 H	%	0.0-3.0

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Patient Name : Mr SUNNY SONA MRN : 17530000128412 Gender/Age : MALE , 35y (01/11/1987)

Basophils (VCS Technology Plus Microscopy)	00	%	0.0-1.0
Absolute Neutrophil Count	3.11	-	-
Absolute Lymphocyte Count	2.15	-	-
Absolute Monocyte Count	0.06	-	-
Absolute Eosinophil Count	0.34	-	-

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Collected On : 15/04/2023 09:38 AM Received On : 15/04/2023 10:39 AM Reported On : 15/04/2023 12:00 PM

Barcode : R42304150019 Specimen : Whole Blood - ESR Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 8969442632

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	12 H	mm/hr	0.0-10.0

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Patient Name : Mr SUNNY SONA MRN : 17530000128412 Gender/Age : MALE , 35y (01/11/1987)

Collected On : 15/04/2023 09:38 AM Received On : 15/04/2023 10:32 AM Reported On : 15/04/2023 11:03 AM

Barcode : R12304150032 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 8969442632

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Hexokinase)	95	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)

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Collected On : 15/04/2023 09:38 AM Received On : 15/04/2023 10:39 AM Reported On : 15/04/2023 11:21 AM

Barcode : R12304150034 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 8969442632

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC NGSP Certified)	5.1	%	Normal: 4.0-5.6 Pre Diabetes: 5.7-6.4 Diabetes: => 6.5 ADA Recommendation 2017
Estimated Average Glucose	99.67	%	-

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.

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Collected On : 15/04/2023 09:38 AM Received On : 15/04/2023 10:39 AM Reported On : 15/04/2023 11:31 AM

Barcode : R12304150033 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 8969442632

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Cholesterol Oxidase/Peroxidase)	197	mg/dL	Desirable: < 200 Borderline: 200-239 High: > 240
Triglycerides (LPL/GK)	211 H	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Dextran Sulphate/ PEG Cholesterol Esterase)	40	mg/dL	40.0-60.0
Non-HDL Cholesterol	157	-	-
LDL Cholesterol (Enzymatic Method (cholesterol Oxidase, Esterase, Peroxidase))	115 H	mg/dL	Optimal: < 100 Near Optimal: 100-129 Borderline: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	42.2 H	mg/dL	<40.0
Cholesterol /HDL Ratio (Calculated)	4.9 H	-	<4.5
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Caffeine Benzoate)	1.50 H	mg/dL	0.2-1.0
Conjugated Bilirubin (Direct) (Diazotised Sulphanilic Acid)	0.17	mg/dL	0.0-0.2
Unconjugated Bilirubin (Indirect)	1.32 H	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.82	gm/dL	6.4-8.2
Serum Albumin (Bromocresol Purple Dye Binding)	4.33	gm/dL	3.4-5.0
Serum Globulin (Calculated)	3.5	gm/dL	2.0-3.5

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Albumin To Globulin (A/G)Ratio (Calculated)	1.2	-	1.0-2.1
SGOT (AST) (UV With Pyridoxal-5-phosphate)	47 H	U/L	15.0-37.0
SGPT (ALT) (UV With Pyridoxal-5-phosphate)	71 H	U/L	16.0-63.0
Alkaline Phosphatase (ALP) (AMP Buffer)	71	U/L	46.0-116.0
Gamma Glutamyl Transferase (GGT) (GCNA)	30	U/L	15.0-85.0

RENAL PACKAGE - 2 (RFT FASTING)

Fasting Blood Sugar (FBS) (Hexokinase)	94	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)
Blood Urea Nitrogen (BUN) (Urease, UV)	8.85	mg/dL	7.0-20.0

SERUM CREATININE

Serum Creatinine (Jaffe's Kinetic IDMS)	0.95	mg/dL	0.9-1.3
eGFR (Calculated)	90.3	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)	138.41	mmol/L	136.0-145.0
Serum Potassium (Indirect IMT)	4.13	mmol/L	3.5-5.0
Serum Chloride (Indirect IMT)	101.51	mmol/L	98.0-107.0
Serum Bicarbonate Level (Enzymatic Method)	27	mmol/L	21.0-32.0
Serum Calcium (Cresol Complex)	9.36	mg/dL	8.5-10.1
Serum Magnesium (Methyl Thymol Blue Dye Binding)	2.00	mg/dL	1.8-2.4
Serum Uric Acid (Uricase, UV)	6.4	mg/dL	3.5-7.2
Serum Phosphorus (Phosphomolybdate Reduction)	4.4	mg/dL	2.6-4.7

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Collected On : 15/04/2023 09:38 AM Received On : 15/04/2023 11:00 AM Reported On : 15/04/2023 12:44 PM

Barcode : R72304150003 Specimen : Stool Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 8969442632

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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STOOL ROUTINE EXAMINATION

PHYSICAL EXAMINATION

Colour	Brown	-	-
Consistency	Semi Solid	-	NORMAL
Mucus	Absent	-	-
Blood	Absent	-	Absent

CHEMICAL EXAMINATION

Stool For Occult Blood (Standard Guaiac Method)	Negative	-	-
Reaction	Acidic	-	-
Reducing Substances	Absent	-	-
Others	Nil	-	-

MICROSCOPE EXAMINATION

Ova	Not Seen	-	-
Cyst Of Protozoa	Not Seen	-	-
Trophozoite	Not Seen	-	-
Red Blood Cells (Stool)	Nil	-	-
Pus Cells	1-2/hpf	/hpf	0-2/hpf
Starch	Nil	-	-

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Epithelial Cells	Nil	-	-
Veg Cells	Present (+)	-	-
Fat	Nil	-	-
Larvae	Nil	-	-
Bacteria	Nil	-	-

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Collected On : 15/04/2023 09:38 AM Received On : 15/04/2023 10:39 AM Reported On : 15/04/2023 11:46 AM

Barcode : R22304150006 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 8969442632

SEROLOGY

Test	Result	Unit	Biological Reference Interval
Prostate Specific Antigen (PSA) (Chemiluminescence)	0.547	ng/mL	0.0-2.0

THYROID PROFILE (T3, T4, TSH)

Tri Iodo Thyronine (T3) (Chemiluminescence)	2.12	nmol/L	1.49-2.6
Thyroxine (T4) (Chemiluminescence)	8.55	ug/dl	4.5-12.0
TSH (Thyroid Stimulating Hormone) (Chemiluminescence)	4.621	μIU/mL	0.49-4.67

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Collected On : 15/04/2023 09:38 AM Received On : 15/04/2023 11:00 AM Reported On : 15/04/2023 12:43 PM

Barcode : R72304150002 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 8969442632

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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URINE ROUTINE & MICROSCOPY

PHYSICAL EXAMINATION

Volume	30	ml	-
Colour	Straw	-	-
Appearance	Clear	-	-

CHEMICAL EXAMINATION

pH(Reaction) (pH Indicator Method)	6.0	-	4.8-7.5
Sp. Gravity (Automated)	1.025	-	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)	Nil	-	-
Urobilinogen (Modified Ehrlich's Reaction)	Nil	-	-
Urine Leucocyte Esterase (Esterase Reaction With Pyrrole Compound)	Nil	-	-
Blood Urine (Peroxidase Reaction)	Nil	-	-
Nitrite (Reaction With Diazonium Compound)	Nil	-	-

MICROSCOPIC EXAMINATION

Page 1 of 2

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Pus Cells	4-6/hpf	/hpf	0-2/hpf
RBC	Nil	-	-
Epithelial Cells	1-2/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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Patient Name	SUNNY SONA	Requested By	Dr. Santosh Gupta
MRN	17530000128412	Procedure DateTime	2023-04-15 12:15:32
Age/Sex	35Y 5M / Male	Hospital	NH Jamshedpur

USG WHOLE ABDOMEN

LIVER -

Size: Normal in size, 14.1 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 (11.8 cm) & echotexture.

KIDNEYS:-

Right kidney:

Size: Normal, 10.2 cm in bipolar length.

Echotexture: Cortical echogenicity is normal, CMD is maintained.

Left kidney:

Size: Normal, 10.7 cm in bipolar length.

Echotexture: Cortical echogenicity is normal, CMD is maintained.

No hydronephrosis or calculus seen on either side.

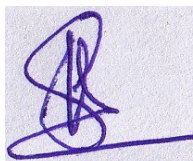
URINARY BLADDER: Partially distended, echofree.

PROSTATE: Normal in size (16.1 cc in volume). Echotexture is homogenous.

FREE FLUID: Nil.

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

IMPRESSION: Grade-I fatty change in liver.



Dr Shashi Bhushan Kumar
Consultant Radiologist

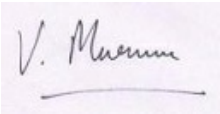
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Patient Name	SUNNY SONA	Requested By	Dr. Santosh Gupta
MRN	17530000128412	Procedure DateTime	2023-04-15 13:21:05
Age/Sex	35Y 5M / Male	Hospital	NH Jamshedpur

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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