

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Suraj Suman MRN : 17530000234012 Gender/Age : MALE , 29y (31/07/1993)

Collected On : 25/03/2023 10:51 AM Received On : 25/03/2023 11:39 AM Reported On : 25/03/2023 01:00 PM

Barcode : RB2303250017 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8093578495

BLOOD BANK

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

--End of Report--



Dr. Mohit Pradhan
MBBS, MD Pathology
Consultant Pathologist

Note

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



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Collected On : 25/03/2023 10:51 AM Received On : 25/03/2023 11:39 AM Reported On : 25/03/2023 12:33 PM

Barcode : R42303250057 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8093578495

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	14.98	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	4.95	million/ μ l	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	44.1	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	89.0	fL	80.0-100.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	30.3	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	34.0	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	12.7	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	269.6	Thousand / μ L	150.0-450.0
Mean Platelet Volume (MPV)	9.75	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	7.02	Thousand / μ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	71 H	%	35.0-66.0
Lymphocytes (VCS Technology Plus Microscopy)	21 L	%	24.0-44.0
Monocytes (VCS Technology Plus Microscopy)	01 L	%	3.0-6.0
Eosinophils (VCS Technology Plus Microscopy)	07 H	%	0.0-3.0



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Basophils (VCS Technology Plus Microscopy)	00	%	0.0-1.0
Absolute Neutrophil Count	4.98	-	-
Absolute Lymphocyte Count	1.47	-	-
Absolute Monocyte Count	0.07	-	-
Absolute Eosinophil Count	0.49	-	-

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Collected On : 25/03/2023 10:51 AM Received On : 25/03/2023 11:39 AM Reported On : 25/03/2023 01:13 PM

Barcode : R42303250058 Specimen : Whole Blood - ESR Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8093578495

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	25 H	mm/hr	0.0-10.0

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Patient Name : Mr Suraj Suman MRN : 17530000234012 Gender/Age : MALE , 29y (31/07/1993)

Collected On : 25/03/2023 10:51 AM Received On : 25/03/2023 12:24 PM Reported On : 25/03/2023 01:27 PM

Barcode : R12303250088 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8093578495

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Hexokinase)	90	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)

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Collected On : 25/03/2023 10:51 AM Received On : 25/03/2023 11:39 AM Reported On : 25/03/2023 12:31 PM

Barcode : R12303250090 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8093578495

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC NGSP Certified)	4.5	%	Normal: 4.0-5.6 Pre Diabetes: 5.7-6.4 Diabetes: => 6.5 ADA Recommendation 2017
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.

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Collected On : 25/03/2023 10:51 AM Received On : 25/03/2023 12:24 PM Reported On : 25/03/2023 12:50 PM

Barcode : R12303250089 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8093578495

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Cholesterol Oxidase/Peroxidase)	178	mg/dL	Desirable: < 200 Borderline: 200-239 High: > 240
Triglycerides (LPL/GK)	142	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Dextran Sulphate/ PEG Cholesterol Esterase)	31 L	mg/dL	40.0-60.0
Non-HDL Cholesterol	147	-	-
LDL Cholesterol (Enzymatic Method (cholesterol Oxidase, Esterase, Peroxidase))	119 H	mg/dL	Optimal: < 100 Near Optimal: 100-129 Borderline: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	28.4	mg/dL	<40.0
Cholesterol /HDL Ratio (Calculated)	5.7 H	-	<4.5
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Caffeine Benzoate)	0.69	mg/dL	0.2-1.0
Conjugated Bilirubin (Direct) (Diazotised Sulphanilic Acid)	0.12	mg/dL	0.0-0.2
Unconjugated Bilirubin (Indirect)	0.57	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.64	gm/dL	6.4-8.2
Serum Albumin (Bromocresol Purple Dye Binding)	4.47	gm/dL	3.4-5.0
Serum Globulin (Calculated)	3.2	gm/dL	2.0-3.5

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Albumin To Globulin (A/G)Ratio (Calculated)	1.4	-	1.0-2.1
SGOT (AST) (UV With Pyridoxal-5-phosphate)	31	U/L	15.0-37.0
SGPT (ALT) (UV With Pyridoxal-5-phosphate)	33	U/L	16.0-63.0
Alkaline Phosphatase (ALP) (AMP Buffer)	119 H	U/L	46.0-116.0
Gamma Glutamyl Transferase (GGT) (GCNA)	19	U/L	15.0-85.0

RENAL PACKAGE - 2 (RFT FASTING)

Fasting Blood Sugar (FBS) (Hexokinase)	84	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)
Blood Urea Nitrogen (BUN) (Urease, UV)	7.41	mg/dL	7.0-20.0

SERUM CREATININE

Serum Creatinine (Jaffe's Kinetic IDMS)	0.88 L	mg/dL	0.9-1.3
eGFR (Calculated)	102.4	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)	142.26	mmol/L	136.0-145.0
Serum Potassium (Indirect IMT)	4.72	mmol/L	3.5-5.0
Serum Chloride (Indirect IMT)	105.52	mmol/L	98.0-107.0
Serum Bicarbonate Level (Enzymatic Method)	26	mmol/L	21.0-32.0
Serum Calcium (Cresol Complex)	9.19	mg/dL	8.5-10.1
Serum Magnesium (Methyl Thymol Blue Dye Binding)	2.09	mg/dL	1.8-2.4
Serum Uric Acid (Uricase, UV)	7.8 H	mg/dL	3.5-7.2
Serum Phosphorus (Phosphomolybdate Reduction)	4.3	mg/dL	2.6-4.7

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Collected On : 25/03/2023 01:32 PM Received On : 25/03/2023 02:37 PM Reported On : 25/03/2023 03:09 PM

Barcode : R12303250123 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8093578495

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Hexokinase)	84	mg/dL	Normal: 70-139 Pre Diabetes: 140-199 Diabetes: => 200 ADA standards 2017

--End of Report--



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Collected On : 25/03/2023 10:51 AM Received On : 25/03/2023 12:24 PM Reported On : 25/03/2023 01:38 PM

Barcode : R22303250024 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8093578495

SEROLOGY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Chemiluminescence)	2.09	nmol/L	1.49-2.6
Thyroxine (T4) (Chemiluminescence)	10.9	ug/dl	4.5-12.0
TSH (Thyroid Stimulating Hormone) (Chemiluminescence)	0.9869	μIU/mL	0.49-4.67

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Collected On : 25/03/2023 10:51 AM Received On : 25/03/2023 11:45 AM Reported On : 25/03/2023 01:09 PM

Barcode : R72303250029 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8093578495

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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URINE ROUTINE & MICROSCOPY

PHYSICAL EXAMINATION

Volume	20	ml	-
Colour	Straw	-	-
Appearance	Clear	-	-

CHEMICAL EXAMINATION

pH(Reaction) (pH Indicator Method)	6.0	-	4.8-7.5
Sp. Gravity (Automated)	1.030	-	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

NH Brahmananda Narayana Multispeciality Hospital

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: Near Pardi Chowk, Tamolia, NH 33, Jamshedpur 831012

Tel +91 657 6600 500 | Email : info.bnh@narayanahealth.org | www.narayanahealth.org



Appointments

1800-309-0309 (Toll Free)

Emergencies

7654-824-365

Patient Name : Mr Suraj Suman MRN : 17530000234012 Gender/Age : MALE , 29y (31/07/1993)

Pus Cells	2-4/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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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



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