

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Niranjan Kumar Barnwal MRN : 17530000234009 Gender/Age : MALE , 35y (02/10/1988)

Collected On : 28/10/2023 09:41 AM Received On : 28/10/2023 09:43 AM Reported On : 28/10/2023 11:57 AM

Barcode : RB2310280002 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

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 : 28/10/2023 09:41 AM Received On : 28/10/2023 09:43 AM Reported On : 28/10/2023 10:48 AM

Barcode : R42310280020 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	15.27	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	5.21	million/ μ l	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	47.8	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	91.8	fL	80.0-100.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	29.3	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	31.9	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	12.6	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	163.2	Thousand / μ L	150.0-450.0
Mean Platelet Volume (MPV)	11.56	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	7.04	Thousand / μ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	60	%	35.0-66.0
Lymphocytes (VCS Technology Plus Microscopy)	34	%	24.0-44.0
Monocytes (VCS Technology Plus Microscopy)	01 L	%	3.0-6.0
Eosinophils (VCS Technology Plus Microscopy)	05 H	%	0.0-3.0

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Basophils (VCS Technology Plus Microscopy)	00	%	0.0-1.0
Absolute Neutrophil Count	4.22	-	-
Absolute Lymphocyte Count	2.39	-	-
Absolute Monocyte Count	0.07	-	-
Absolute Eosinophil Count	0.35	-	-

--End of Report--

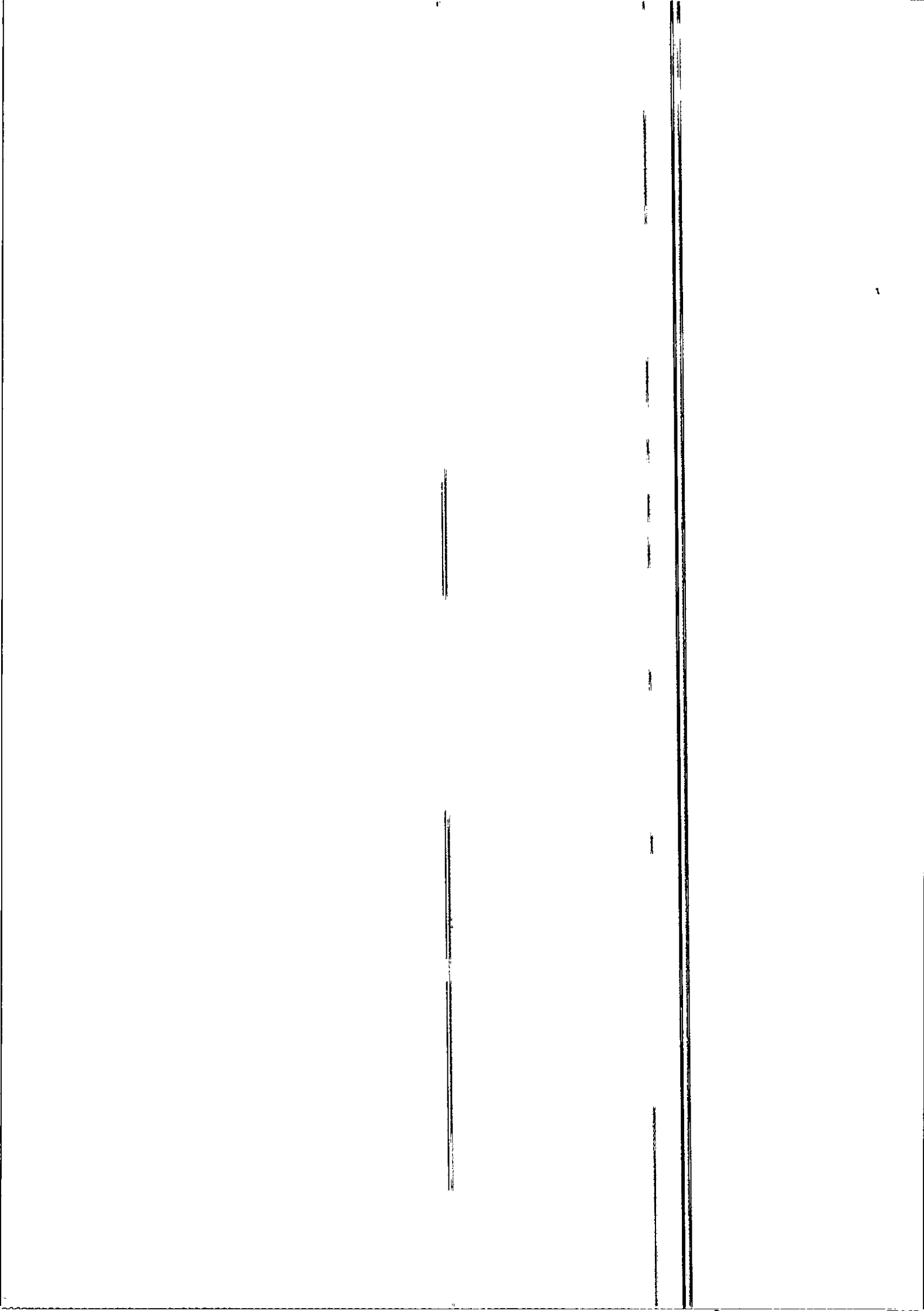


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DEPARTMENT OF NON INVASIVE CARDIOLOGY

Report of Echocardiography / colour Doppler studies

Patient MRN : 17530000234009	Report Date : 28.10.2023
Patients Name : Mr Niranjan Kumar Barnwal	
Age/Sex : 35 Yrs / male	

DATA (all values in cms):

Aortic Root	2.7	LV end-diastolic diameter	4.0
Left atrium	3.1	LV Post-wall thickness	1.0
Right Ventricle/ RA		LV end-systolic diameter	2.5
Ventricular septum	1.0	LV Ejection fraction	65%

IMPRESSION:

Left ventricle : No RWMA
Normal size LV cavity
Normal LV systolic function, 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– 1.3m/sec.

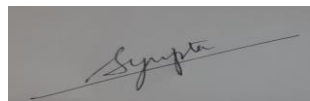
Pulmonic valve : Normal, peak velocity– 0.9m/sec.

IAS & IVS : Intact.

Pericardium : Normal.

Others : No intra cardiac clot / vegetation / Pericardial effusion.

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



Dr. Santosh Kr. Gupta
Consultant (Non Interventional cardiology)

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Collected On : 28/10/2023 09:41 AM Received On : 28/10/2023 09:43 AM Reported On : 28/10/2023 11:33 AM

Barcode : R42310280021 Specimen : Whole Blood - ESR Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	03	mm/hr	0.0-10.0

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Collected On : 28/10/2023 09:41 AM Received On : 28/10/2023 09:43 AM Reported On : 28/10/2023 10:48 AM

Barcode : R12310280034 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
FASTING BLOOD GLUCOSE (FBG) (Hexokinase)	102 H	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)

--End of Report--



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Collected On : 28/10/2023 09:41 AM Received On : 28/10/2023 09:43 AM Reported On : 28/10/2023 11:56 AM

Barcode : R12310280036 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC NGSP Certified)	4.8	%	Normal: 4.0-5.6 Pre Diabetes: 5.7-6.4 Diabetes: => 6.5 ADA Recommendation 2017
Estimated Average Glucose	91.06	%	-

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 : 28/10/2023 09:41 AM Received On : 28/10/2023 09:43 AM Reported On : 28/10/2023 10:52 AM

Barcode : R12310280035 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Cholesterol Oxidase/Peroxidase)	172	mg/dL	Desirable: < 200 Borderline: 200-239 High: > 240
Triglycerides (LPL/GK)	282 H	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Dextran Sulphate/ PEG Cholesterol Esterase)	34 L	mg/dL	40.0-60.0
Non-HDL Cholesterol	138	-	-
LDL Cholesterol (Enzymatic Method (cholesterol Oxidase, Esterase, Peroxidase))	82	mg/dL	Optimal: < 100 Near Optimal: 100-129 Borderline: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	56.4 H	mg/dL	<40.0
Cholesterol /HDL Ratio (Calculated)	5.1 H	-	<4.5
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Caffeine Benzoate)	1.02 H	mg/dL	0.2-1.0
Conjugated Bilirubin (Direct) (Diazotised Sulphanilic Acid)	0.20	mg/dL	0.0-0.2
Unconjugated Bilirubin (Indirect)	0.82	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.90	gm/dL	6.4-8.2
Serum Albumin (Bromocresol Purple Dye Binding)	4.56	gm/dL	3.4-5.0
Serum Globulin (Calculated)	3.3	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)	41 H	U/L	15.0-37.0
SGPT (ALT) (UV With Pyridoxal-5-phosphate)	53	U/L	16.0-63.0
Alkaline Phosphatase (ALP) (AMP Buffer)	77	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 GLUCOSE (FBG) (Hexokinase)	101 H	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)
Blood Urea Nitrogen (BUN) (Urease, UV)	12.72	mg/dL	7.0-20.0

SERUM CREATININE

Serum Creatinine (Jaffe's Kinetic IDMS)	0.76 L	mg/dL	0.9-1.3
eGFR (Calculated)	116.8	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)	140.93	mmol/L	136.0-145.0
Serum Potassium (Indirect IMT)	4.33	mmol/L	3.5-5.0
Serum Chloride (Indirect IMT)	100.40	mmol/L	98.0-107.0
Serum Bicarbonate Level (Enzymatic Method)	30	mmol/L	21.0-32.0
Serum Calcium (Cresol Complex)	9.71	mg/dL	8.5-10.1
Serum Magnesium (Methyl Thymol Blue Dye Binding)	1.94	mg/dL	1.8-2.4
Serum Uric Acid (Uricase, UV)	7.4 H	mg/dL	3.5-7.2
Serum Phosphorus (Phosphomolybdate Reduction)	3.1	mg/dL	2.6-4.7

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Collected On : 28/10/2023 02:09 PM Received On : 28/10/2023 02:50 PM Reported On : 28/10/2023 03:30 PM

Barcode : R12310280106 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
POST PRANDIAL BLOOD GLUCOSE (PPBG) (Hexokinase)	77	mg/dL	Normal: 70-139 Pre Diabetes: 140-199 Diabetes: => 200 ADA standards 2017

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Patient Name : Mr Niranjan Kumar Barnwal MRN : 1753000234009 Gender/Age : MALE , 35y (02/10/1988)
Collected On : 28/10/2023 03:32 PM Received On : 28/10/2023 03:51 PM Reported On : 29/10/2023 04:55 PM
Barcode : R72310280019 Specimen : Stool Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)
Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
STOOL ROUTINE EXAMINATION			
PHYSICAL EXAMINATION			
Colour	Brown	-	-
Consistency	Semi Solid	-	NORMAL
Mucus	Nil	-	-
Blood	Nil	-	-
CHEMICAL EXAMINATION			
Stool For Occult Blood (Standard Guaiac Method)	Negative	-	-
Reaction	Acidic	-	-
Reducing Substances	Nil	-	-
Others	Nil	-	-
MICROSCOPE EXAMINATION			
Ova	Nil	-	-
Cyst Of Protozoa	Nil	-	-
Trophozoite	Nil	-	-
Red Blood Cells (Stool)	Nil	-	-
Pus Cells	2 - 3/h.p.f.	-	-
Starch	Nil	-	-



Patient Name : Mr Niranjn Kumar Barnwal MRN : 17530000234009 Gender/Age : MALE , 35y (02/10/1988)

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

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Collected On : 28/10/2023 09:41 AM Received On : 28/10/2023 09:43 AM Reported On : 28/10/2023 11:33 AM

Barcode : R22310280007 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

SEROLOGY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Chemiluminescence)	2.33	nmol/L	1.49-2.6
Thyroxine (T4) (Chemiluminescence)	8.24	ug/dl	4.5-12.0
TSH (Thyroid Stimulating Hormone) (Chemiluminescence)	1.732	μIU/mL	0.49-4.67

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Collected On : 28/10/2023 02:09 PM Received On : 28/10/2023 02:50 PM Reported On : 28/10/2023 03:53 PM

Barcode : R72310280018 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

CLINICAL PATHOLOGY

Test	Result	Unit
Urine For Sugar (Post Prandial)	26	-

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Collected On : 28/10/2023 09:41 AM Received On : 28/10/2023 10:09 AM Reported On : 28/10/2023 01:06 PM

Barcode : R72310280006 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 9835362161

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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URINE ROUTINE & MICROSCOPY

PHYSICAL EXAMINATION

Volume	30	ml	-
Colour	Pale Yellow	-	-
Appearance	Clear	-	-

CHEMICAL EXAMINATION

pH(Reaction) (pH Indicator Method)	6.0	-	4.8-7.5
Sp. Gravity (Automated)	1.015	-	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 Niranjan Kumar Barnwal MRN : 17530000234009 Gender/Age : MALE , 35y (02/10/1988)			
Pus Cells	2-3/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	Niranjan Kumar Barnwal	Requested By	Dr. Santosh Gupta
MRN	17530000234009	Procedure DateTime	2023-10-28 15:42:03
Age/Sex	35Y / Male	Hospital	NH Jamshedpur

USG WHOLE ABDOMEN

LIVER -

Size: Normal in size, 13 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 (8.4 cm) & echotexture.

KIDNEYS:-

Right kidney: Malrotated.

Size: Normal, 8.6 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 (21.4 cc in volume). Echotexture is normal.

FREE FLUID: Nil.

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

IMPRESSION:

1. Grade-I fatty change in liver.
2. Malrotated right kidney.



Dr Shashi Bhushan Kumar
Consultant Radiologist

This is a digitally signed valid document. Reported Date/Time: 2023-10-28 15:45:40

Patient Name	Niranjn Kumar Barnwal	Requested By	Dr. Santosh Gupta
MRN	17530000234009	Procedure Date Time	28-10-2023 14:30
Age/Sex	35Y/Male	Hospital	NH-JAMSHEDPUR

CHEST RADIOGRAPH (PA VIEW)

CLINICAL DETAILS: For health checkup.

FINDINGS:

- The lung fields and bronchovascular markings appear normal.
- The cardiac size is within normal limits.
- Mediastinum and great vessels are within normal limits.
- Trachea is normal and is central. The hilar shadows are unremarkable.
- The costo-phrenic angles are clear. No evidence of pleural effusion or pneumothorax.
- The visualized bones and soft tissue structures appear normal.
- Both the diaphragmatic domes appear normal.

IMPRESSION:

- **No significant abnormality detected.**

Dr. Rahul G Ambi
Senior Registrar

* **This is a digitally signed valid document.** Reported Date/Time: 30-10-2023 12:23