

DEPARTMENT OF NON INVASIVE CARDIOLOGY

Report of Echocardiography/colour Doppler studies

Patient MRN : 17530000234244	Report Date : 30.03.2023
Patients Name : Mr Mangi Lal Bandra	
Age/Sex : 32Yrs / male	

DATA (all values in cms):

Aortic Root	2.0	LV end-diastolic diameter	4.0
Left atrium	3.3	LV Post-wall thickness	0.9
Right Ventricle/ RA		LV end-systolic diameter	2.5
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 : Atherosclerotic, 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)

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Mangi Lal Bandra MRN : 17530000234244 Gender/Age : MALE , 32y (10/05/1990)

Collected On : 30/03/2023 02:18 PM Received On : 30/03/2023 02:54 PM Reported On : 30/03/2023 03:14 PM

Barcode : R12303300078 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8102024386

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Hexokinase)	96	mg/dL	Normal: 70-139 Pre Diabetes: 140-199 Diabetes: => 200 ADA standards 2017

--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.



DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Mangi Lal Bandra MRN : 17530000234244 Gender/Age : MALE , 32y (10/05/1990)
 Collected On : 30/03/2023 10:52 AM Received On : 30/03/2023 12:46 PM Reported On : 30/03/2023 02:02 PM
 Barcode : R12303300060 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8102024386

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Cholesterol Oxidase/Peroxidase)	148	mg/dL	Desirable: < 200 Borderline: 200-239 High: > 240
Triglycerides (LPL/GK)	95	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Dextran Sulphate/ PEG Cholesterol Esterase)	43	mg/dL	40.0-60.0
Non-HDL Cholesterol	105	-	-
LDL Cholesterol (Enzymatic Method (cholesterol Oxidase, Esterase, Peroxidase))	86	mg/dL	Optimal: < 100 Near Optimal: 100-129 Borderline: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	19	mg/dL	<40.0
Cholesterol /HDL Ratio (Calculated)	3.4	-	<4.5
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Caffeine Benzoate)	0.88	mg/dL	0.2-1.0
Conjugated Bilirubin (Direct) (Diazotised Sulphanilic Acid)	0.15	mg/dL	0.0-0.2
Unconjugated Bilirubin (Indirect)	0.73	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.86	gm/dL	6.4-8.2
Serum Albumin (Bromocresol Purple Dye Binding)	4.10	gm/dL	3.4-5.0
Serum Globulin (Calculated)	3.76 H	gm/dL	2.0-3.5



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Albumin To Globulin (A/G)Ratio (Calculated)	1.09	-	1.0-2.1
SGOT (AST) (UV With Pyridoxal-5-phosphate)	28	U/L	15.0-37.0
SGPT (ALT) (UV With Pyridoxal-5-phosphate)	15 L	U/L	16.0-63.0
Alkaline Phosphatase (ALP) (AMP Buffer)	83	U/L	46.0-116.0
Gamma Glutamyl Transferase (GGT) (GCNA)	16	U/L	15.0-85.0

RENAL PACKAGE - 2 (RFT FASTING)

Fasting Blood Sugar (FBS) (Hexokinase)	85	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)
Blood Urea Nitrogen (BUN) (Urease, UV)	9.66	mg/dL	7.0-20.0

SERUM CREATININE

Serum Creatinine (Jaffe's Kinetic IDMS)	1.05	mg/dL	0.9-1.3
eGFR (Calculated)	81.9	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)	137.39	mmol/L	136.0-145.0
Serum Potassium (Indirect IMT)	3.97	mmol/L	3.5-5.0
Serum Chloride (Indirect IMT)	104.03	mmol/L	98.0-107.0
Serum Bicarbonate Level (Enzymatic Method)	26	mmol/L	21.0-32.0
Serum Calcium (Cresol Complex)	9.21	mg/dL	8.5-10.1
Serum Magnesium (Methyl Thymol Blue Dye Binding)	1.95	mg/dL	1.8-2.4
Serum Uric Acid (Uricase, UV)	5.6	mg/dL	3.5-7.2
Serum Phosphorus (Phosphomolybdate Reduction)	3.4	mg/dL	2.6-4.7

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Final Report

Patient Name : Mr Mangi Lal Bandra MRN : 17530000234244 Gender/Age : MALE , 32y (10/05/1990)
 Collected On : 30/03/2023 10:52 AM Received On : 30/03/2023 11:46 AM Reported On : 30/03/2023 01:46 PM
 Barcode : R42303300034 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8102024386

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	12.11 L	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	4.19 L	million/ μ L	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	37.0 L	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	88.4	fL	80.0-100.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	28.9	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.7	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	14.1 H	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	190	Thousand / μ L	150.0-450.0
Mean Platelet Volume (MPV)	13.76 H	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	8.31	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)	27	%	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	5.9	-	-
Absolute Lymphocyte Count	2.24	-	-
Absolute Monocyte Count	0.08	-	-
Absolute Eosinophil Count	0.08	-	-

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Final Report

Patient Name : Mr Mangi Lal Bandra MRN : 17530000234244 Gender/Age : MALE , 32y (10/05/1990)

Collected On : 30/03/2023 10:52 AM Received On : 30/03/2023 11:46 AM Reported On : 30/03/2023 01:56 PM

Barcode : RB2303300004 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8102024386

BLOOD BANK

Test	Result	Unit
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BLOOD GROUP & RH TYPING

Blood Group	"A"	-
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RH Typing	POSITIVE	-
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--End of Report--



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Final Report

Patient Name : Mr Mangi Lal Bandra MRN : 17530000234244 Gender/Age : MALE , 32y (10/05/1990)

Collected On : 30/03/2023 10:52 AM Received On : 30/03/2023 12:46 PM Reported On : 30/03/2023 02:33 PM

Barcode : R72303300012 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8102024386

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)	6.0	-	4.8-7.5
Sp. Gravity (Automated)	1.020	-	1.002-1.03
Protein (Error Of Indicators)	Present Trace	-	-
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)	Ni	-	-

Patient Name : Mr Mangi Lal Bandra MRN : 17530000234244 Gender/Age : MALE , 32y (10/05/1990)

Nitrite (Reaction With Diazonium Compound) Nil - -

MICROSCOPIC EXAMINATION

Pus Cells 3-4/hpf /hpf 0-2/hpf

RBC Nil - -

Epithelial Cells 1-2/hpf /hpf 2-3/hpf

Crystals Nil - -

Casts Ni - -

Bacteria Nil - -

Yeast Cells Nil - -

Others Nil - -

Urine For Sugar (Fasting) <20 - -

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DEPARTMENT OF LABORATORY MEDICINE

Final Report

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Collected On : 30/03/2023 10:52 AM Received On : 30/03/2023 12:46 PM Reported On : 30/03/2023 02:14 PM

Barcode : R22303300010 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8102024386

SEROLOGY

Test	Result	Unit	Biological Reference Interval
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Chemiluminescence)	1.98	nmol/L	1.49-2.6
Thyroxine (T4) (Chemiluminescence)	9.45	ug/dl	4.5-12.0
TSH (Thyroid Stimulating Hormone) (Chemiluminescence)	5.205 H	μIU/mL	0.49-4.67

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DEPARTMENT OF LABORATORY MEDICINE

Final Report

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Collected On : 30/03/2023 10:52 AM Received On : 30/03/2023 11:46 AM Reported On : 30/03/2023 01:58 PM

Barcode : R42303300035 Specimen : Whole Blood - ESR Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8102024386

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	55 H	mm/hr	0.0-10.0

--End of Report--



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DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Mangi Lal Bandra MRN : 17530000234244 Gender/Age : MALE , 32y (10/05/1990)

Collected On : 30/03/2023 10:52 AM Received On : 30/03/2023 12:46 PM Reported On : 30/03/2023 01:51 PM

Barcode : R12303300059 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8102024386

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Hexokinase)	85	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)

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DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Mangi Lal Bandra MRN : 17530000234244 Gender/Age : MALE , 32y (10/05/1990)

Collected On : 30/03/2023 02:18 PM Received On : 30/03/2023 03:21 PM Reported On : 30/03/2023 04:03 PM

Barcode : R72303300019 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8102024386

CLINICAL PATHOLOGY

Test	Result	Unit
Urine For Sugar (Post Prandial)	108	-

--End of Report--



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DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Mangi Lal Bandra MRN : 17530000234244 Gender/Age : MALE , 32y (10/05/1990)

Collected On : 30/03/2023 10:52 AM Received On : 30/03/2023 11:46 AM Reported On : 30/03/2023 01:31 PM

Barcode : R12303300061 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8102024386

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.

--End of Report--



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Consultant Pathologist

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Patient Name	Mangi Lal Bandra	Requested By	Dr. Santosh Gupta
MRN	17530000234244	Procedure DateTime	2023-03-30 12:32:39
Age/Sex	32Y 10M / Male	Hospital	NH Jamshedpur

USG WHOLE ABDOMEN

LIVER -

Size: Normal in size, 13.1 cm in cranio-caudal length.

Echotexture: Normal, 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 (10.4 cm) & echotexture.

KIDNEYS:-

Right kidney:

Size: Normal, 9.1 cm in bipolar length.

Echotexture: Cortical echogenicity is normal, CMD is maintained.

*Calculus of size 2.7 mm is seen in mid pole. No hydronephrosis is seen.

Left kidney:

Size: Normal, 9.6 cm in bipolar length.

Echotexture: Cortical echogenicity is normal, CMD is maintained.

*Calculus of size 3.9 mm is seen in mid pole. No hydronephrosis is seen.

URINARY BLADDER: Well distended, echofree.

PROSTATE: Normal in size (10.7cc in volume). Echotexture is homogenous.

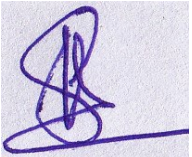
FREE FLUID: Nil.

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

*Minimal pleural effusion is seen on left side.

IMPRESSION:

1. Bilateral renal calculus.
2. Minimal pleural effusion on left side.



Dr Shashi Bhushan Kumar
Consultant Radiologist

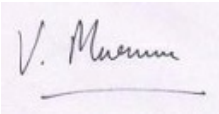
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Patient Name	Mangi Lal Bandra	Requested By	Dr. Santosh Gupta
MRN	17530000234244	Procedure DateTime	2023-03-30 13:32:18
Age/Sex	32Y 10M / Male	Hospital	NH Jamshedpur

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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