



LABORATORY REPORT

Name	: MR RAHUL KUMAR SINGH	Age	: 31 Yr(s) Sex :Male
Registration No	: MH011760721	Lab No	: 202403001049
Patient Episode	: H18000001881	Collection Date	: 09 Mar 2024 09:20
Referred By	: HEALTH CHECK MGD	Reporting Date	: 09 Mar 2024 12:19
Receiving Date	: 09 Mar 2024 09:20		

HAEMATOTOLOGY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
COMPLETE BLOOD COUNT (AUTOMATED)		SPECIMEN-EDTA Whole Blood	
RBC COUNT (IMPEDENCE)	5.98 #	millions/cumm	[4.50-5.50]
HEMOGLOBIN	17.2 #	g/dl	[13.0-17.0]
Method:cyanide free SLS-colorimetry			
HEMATOCRIT (CALCULATED)	53.6 #	%	[40.0-50.0]
MCV (DERIVED)	89.6	fL	[83.0-101.0]
MCH (CALCULATED)	28.8	pg	[25.0-32.0]
MCHC (CALCULATED)	32.1	g/dl	[31.5-34.5]
RDW CV% (DERIVED)	12.7	%	[11.6-14.0]
Platelet count	222	x 10 ³ cells/cumm	[150-410]
Method: Electrical Impedance			
MPV (DERIVED)	11.0		
WBC COUNT(TC) (IMPEDENCE)	8.49	x 10 ³ cells/cumm	[4.00-10.00]
DIFFERENTIAL COUNT (VCS TECHNOLOGY/MICROSCOPY)			
Neutrophils	61.0	%	[40.0-80.0]
Lymphocytes	24.0	%	[20.0-40.0]
Monocytes	7.0	%	[2.0-10.0]
Eosinophils	8.0 #	%	[1.0-6.0]
Basophils	0.0	%	[0.0-2.0]
ESR	5.0	mm/1sthour	[0.0-



LABORATORY REPORT

Name	: MR RAHUL KUMAR SINGH	Age	: 31 Yr(s) Sex :Male
Registration No	: MH011760721	Lab No	: 202403001049
Patient Episode	: H18000001881	Collection Date	: 09 Mar 2024 09:20
Referred By	: HEALTH CHECK MGD	Reporting Date	: 09 Mar 2024 16:42
Receiving Date	: 09 Mar 2024 09:20		

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
------	--------	------	-------------------------------

Glycosylated Hemoglobin

Specimen: EDTA

HbA1c (Glycosylated Hemoglobin)	5.2	%	[0.0-5.6]
---------------------------------	-----	---	-----------

Method: HPLC

As per American Diabetes Association (ADA)
HbA1c in %
Non diabetic adults ≥ 18 years < 5.7
Prediabetes (At Risk) 5.7-6.4
Diagnosing Diabetes ≥ 6.5

Estimated Average Glucose (eAG)	103	mg/dl
---------------------------------	-----	-------

Comments : HbA1c provides an index of average blood glucose levels over the past 8-12 weeks and is a much better indicator of long term glycemic control.

ROUTINE URINE ANALYSIS (Semi Automated) Specimen-Urine

MACROSCOPIC DESCRIPTION

Colour	PALE YELLOW	(Pale Yellow - Yellow)
Appearance	CLEAR	
Reaction [pH]	7.0	(4.6-8.0)
Specific Gravity	1.005	(1.003-1.035)

CHEMICAL EXAMINATION

Protein/Albumin	Negative	(NEGATIVE)
Glucose	NIL	(NIL)
Ketone Bodies	Negative	(NEGATIVE)
Urobilinogen	Normal	(NORMAL)



LABORATORY REPORT

Name	: MR RAHUL KUMAR SINGH	Age	: 31 Yr(s) Sex :Male
Registration No	: MH011760721	Lab No	: 202403001049
Patient Episode	: H18000001881	Collection Date	: 09 Mar 2024 10:28
Referred By	: HEALTH CHECK MGD	Reporting Date	: 09 Mar 2024 12:27
Receiving Date	: 09 Mar 2024 10:28		

CLINICAL PATHOLOGY

MICROSCOPIC EXAMINATION (Automated/Manual)

Pus Cells	2-4 /hpf	(0-5/hpf)
RBC	NIL	(0-2/hpf)
Epithelial Cells	1-2 /hpf	
CASTS	NIL	
Crystals	NIL	
Bacteria	NIL	
OTHERS	NIL	

Serum LIPID PROFILE

Serum TOTAL CHOLESTEROL	171	mg/dl	[<200] Moderate risk:200-239 High risk:>240
Method:Oxidase,esterase, peroxide			
TRIGLYCERIDES (GPO/POD)	112	mg/dl	[<150] Borderline high:151-199 High: 200 - 499 Very high:>500
HDL- CHOLESTEROL	56	mg/dl	[35-65]
Method : Enzymatic Immunoimhibition			
VLDL- CHOLESTEROL (Calculated)	22	mg/dl	[0-35]
CHOLESTEROL, LDL, CALCULATED	93.0	mg/dl	[<120.0] Near/ Borderline High:130-159 High Risk:160-189
Above optimal-100-129			
T.Chol/HDL.Chol ratio(Calculated)	3.1		<4.0 Optimal 4.0-5.0 Borderline >6 High Risk
LDL.CHOL/HDL.CHOL Ratio(Calculated)	1.7		<3 Optimal 3-4 Borderline >6 High Risk



LABORATORY REPORT

Name	: MR RAHUL KUMAR SINGH	Age	: 31 Yr(s) Sex :Male
Registration No	: MH011760721	Lab No	: 202403001049
Patient Episode	: H18000001881	Collection Date	: 09 Mar 2024 09:20
Referred By	: HEALTH CHECK MGD	Reporting Date	: 09 Mar 2024 11:41
Receiving Date	: 09 Mar 2024 09:20		

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
------	--------	------	-------------------------------

Note:

Reference ranges based on ATP III Classifications.

Lipid profile is a panel of blood tests that serves as initial broad medical screening tool for abnormalities in lipids, the results of this tests can identify certain genetic diseases and determine approximate risks for cardiovascular disease, certain forms of pancreatitis and other diseases

KIDNEY PROFILE

Specimen: Serum

UREA	24.5	mg/dl	[15.0-40.0]
------	------	-------	-------------

Method: GLDH, Kinatic assay

BUN, BLOOD UREA NITROGEN	11.4	mg/dl	[8.0-20.0]
--------------------------	------	-------	------------

Method: Calculated

CREATININE, SERUM	0.90	mg/dl	[0.70-1.20]
-------------------	------	-------	-------------

Method: Jaffe rate-IDMS Standardization

URIC ACID	4.6	mg/dl	[4.0-8.5]
-----------	-----	-------	-----------

Method:uricase PAP

SODIUM, SERUM	137.90	mmol/L	[136.00-144.00]
---------------	--------	--------	-----------------

POTASSIUM, SERUM	4.28	mmol/L	[3.60-5.10]
------------------	------	--------	-------------

SERUM CHLORIDE	99.6 #	mmol/L	[101.0-111.0]
-----------------------	---------------	---------------	----------------------

Method: ISE Indirect

eGFR (calculated)	113.4	ml/min/1.73sq.m	[>60.0]
-------------------	-------	-----------------	---------

Technical Note

eGFR which is primarily based on Serum Creatinine is a derivation of CKD-EPI 2009 equation normalized to 1.73 sq.m BSA and is not applicable to individuals below 18 years. eGFR tends to be less accurate when Serum Creatinine estimation is indeterminate e.g. patients at extremes of muscle mass, on unusual diets etc. and samples with severe Hemolysis Icterus / Lipemia.



LABORATORY REPORT

Name : MR RAHUL KUMAR SINGH
Registration No : MH011760721
Patient Episode : H18000001881
Referred By : HEALTH CHECK MGD
Receiving Date : 09 Mar 2024 09:20

Age : 31 Yr(s) Sex : Male
Lab No : 202403001049
Collection Date : 09 Mar 2024 09:20
Reporting Date : 09 Mar 2024 11:49

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
LIVER FUNCTION TEST			
BILIRUBIN - TOTAL Method: D P D	0.82	mg/dl	[0.30-1.20]
BILIRUBIN - DIRECT Method: DPD	0.16	mg/dl	[0.00-0.30]
INDIRECT BILIRUBIN (SERUM) Method: Calculation	0.66	mg/dl	[0.10-0.90]
TOTAL PROTEINS (SERUM) Method: BIURET	7.40	gm/dl	[6.60-8.70]
ALBUMIN (SERUM) Method: BCG	4.75	g/dl	[3.50-5.20]
GLOBULINS (SERUM) Method: Calculation	2.70	gm/dl	[1.80-3.40]
PROTEIN SERUM (A-G) RATIO Method: Calculation	1.79		[1.00-2.50]
AST (SGOT) (SERUM) Method: IFCC W/O P5P	28.00	U/L	[0.00-40.00]
ALT (SGPT) (SERUM) Method: IFCC W/O P5P	41.00	U/L	[17.00-63.00]
Serum Alkaline Phosphatase Method: AMP BUFFER IFCC)	125.0 #	IU/L	[32.0-91.0]
GGT	23.0	U/L	[7.0-50.0]



LABORATORY REPORT

Name : MR RAHUL KUMAR SINGH
Registration No : MH011760721
Patient Episode : H18000001881
Referred By : HEALTH CHECK MGD
Receiving Date : 09 Mar 2024 09:20

Age : 31 Yr(s) Sex :Male
Lab No : 202403001049
Collection Date : 09 Mar 2024 09:20
Reporting Date : 09 Mar 2024 11:49

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
------	--------	------	-------------------------------

Liver function test aids in diagnosis of various pre hepatic, hepatic and post hepatic causes of dysfunction like hemolytic anemia's, viral and alcoholic hepatitis and cholestasis of obstructive causes.

The test encompasses hepatic excretory, synthetic function and also hepatic parenchymal cell damage. LFT helps in evaluating severity, monitoring therapy and assessing prognosis of liver disease and dysfunction.

Page 6 of 8

-----END OF REPORT-----

Dr. Alka Dixit Vats
Consultant Pathologist



LABORATORY REPORT

Name	: MR RAHUL KUMAR SINGH	Age	: 31 Yr(s) Sex :Male
Registration No	: MH011760721	Lab No	: 202403001050
Patient Episode	: H18000001881	Collection Date	: 09 Mar 2024 09:20
Referred By	: HEALTH CHECK MGD	Reporting Date	: 09 Mar 2024 12:08
Receiving Date	: 09 Mar 2024 09:20		

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
GLUCOSE-Fasting Specimen: Plasma GLUCOSE, FASTING (F) Method: Hexokinase	103.0	mg/dl	[70.0-110.0]

Normally, the glucose concentration in extracellular fluid is closely regulated so that a source of energy is readily available to tissues and so that no glucose is excreted in the urine.

Increased in Diabetes mellitus, Cushing's syndrome (10-15%), chronic pancreatitis (30%).
Drugs corticosteroids, phenytoin, estrogen, thiazides

Decreased in Pancreatic islet cell disease with increased insulin, insulinoma, adrenocortical insufficiency, hypopituitarism, diffuse liver disease, malignancy(adrenocortical, stomach, fibro sarcoma), infant of a diabetic mother enzyme deficiency diseases(e.g.galactosemia),
Drugs-
insulin, ethanol, propranolol, sulfonylureas, tobutamide, and other oral hypoglycemic agents.

-----END OF REPORT-----

Alka

Dr. Alka Dixit Vats
Consultant Pathologist



LABORATORY REPORT

Name : MR RAHUL KUMAR SINGH Age : 31 Yr(s) Sex :Male
Registration No : MH011760721 Lab No : 202403001049
Patient Episode : H18000001881 Collection Date : 09 Mar 2024 09:20
Referred By : HEALTH CHECK MGD Reporting Date : 10 Mar 2024 13:35
Receiving Date : 09 Mar 2024 09:20

BLOOD BANK

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
Blood Group & Rh Typing (Agglutination by gel/tube technique)			Specimen-Blood
Blood Group & Rh typing	B Rh(D) Positive		

Technical note:

ABO grouping and Rh typing is done by cell and serum grouping by microplate / gel technique.

Page 2 of 2

NOTE:

- Abnormal Values

-----END OF REPORT-----

Dr. Alka Dixit Vats
Consultant Pathologist



NAME	MR Rahul KUMAR SINGH	STUDY DATE	09/03/2024 9:34AM
AGE / SEX	31 y / M	HOSPITAL NO.	MH011760721
ACCESSION NO.	R7021527	MODALITY	CR
REPORTED ON	09/03/2024 9:53AM	REFERRED BY	HEALTH CHECK MGD

XR- CHEST PA VIEW

FINDINGS:

LUNGS: Normal.
TRACHEA: Normal.
CARINA: Normal.
RIGHT AND LEFT MAIN BRONCHI: Normal.
PLEURA: Normal.
HEART: Normal.
RIGHT HEART BORDER: Normal.
LEFT HEART BORDER: Normal.
PULMONARY BAY: Normal.
PULMONARY HILA: Normal.
AORTA: Normal.
THORACIC SPINE: Normal.
OTHER VISUALIZED BONES: Normal.
VISUALIZED SOFT TISSUES: Normal.
DIAPHRAGM: Normal.
VISUALIZED ABDOMEN: Normal.
VISUALIZED NECK: Normal.

IMPRESSION:

-No significant abnormality seen.

Please correlate clinically



Dr. Prabhath Prakash Gupta MBBS, DNB, MNAMS
CONSULTANT RADIOLOGIST

*****End Of Report*****



NAME	MR Rahul KUMAR SINGH	STUDY DATE	09/03/2024 9:54AM
AGE / SEX	31 y / M	HOSPITAL NO.	MH011760721
ACCESSION NO.	R7021528	MODALITY	US
REPORTED ON	09/03/2024 1:15PM	REFERRED BY	HEALTH CHECK MGD

**USG ABDOMEN & PELVIS
FINDINGS**

LIVER: appears normal in size (measures 147 mm) and shape but shows diffuse increase in liver echotexture, in keeping with diffuse grade I fatty infiltration. Rest normal.
 SPLEEN: Spleen is normal in size (measures 83 mm), shape and echotexture. Rest normal.
 PORTAL VEIN: Appears normal in size and measures 12 mm.
 COMMON BILE DUCT: Appears normal in size and measures 4.7 mm.
 IVC, HEPATIC VEINS: Normal.
 BILIARY SYSTEM: Normal.
 GALL BLADDER: Gall bladder is well distended. Wall thickness is normal and lumen is echofree. Rest normal.
 PANCREAS: Pancreas is normal in size, shape and echotexture. Rest normal.
 KIDNEYS: Bilateral kidneys are normal in size, shape and echotexture. Cortico-medullary differentiation is maintained. Rest normal.
 Right Kidney: measures 102 x 42 mm.
 Left Kidney: measures 96 x 53 mm.
 PELVI-CALYCEAL SYSTEMS: Compact.
 NODES: Not enlarged.
 FLUID: Nil significant.
 URINARY BLADDER: Urinary bladder is well distended. Wall thickness is normal and lumen is echofree. Rest normal.
 PROSTATE: Prostate is normal in size, shape and echotexture. It measures 34 x 34 x 25 mm with volume 15 cc. Rest normal.
 SEMINAL VESICLES: Normal.
 BOWEL: Visualized bowel loops appear normal.

IMPRESSION

-Diffuse grade I fatty infiltration in liver.

Recommend clinical correlation.

Dr. Prabhat Prakash Gupta MBBS, DNB, MNAMS
CONSULTANT RADIOLOGIST

*****End Of Report*****



INVESTIGATION REPORT

Patient Name	MR RAHUL KUMAR SINGH	Location	Ghaziabad
Age/Sex	31 Year(s)/male	Visit No	: V00000000001-GHZB
MRN No	MH011760721	Order Date	:09/03/2024
Ref. Doctor	Dr. BHUPENDRA SINGH	Report Date	:09/03/2024

Echocardiography

Final Interpretation

1. No RWMA, LVEF=60%.
2. Normal CCD.
3. Grade I LV diastolic dysfunction.
4. No MR, No AR.
5. No TR, Normal PASP.
6. No intracardiac clot/mass/pericardial pathology.
7. IVC normal

Chambers & valves:

- **Left Ventricle:** It is normal sized.
- **Left Atrium:** It is normal sized.
- **Right Atrium:** It is normal sized.
- **Right Ventricle:** It is normal sized.
- **Aortic Valve:** It appears normal.
- **Mitral Valve:** Opens normally. Subvalvular apparatus appear normal.
- **Tricuspid Valve:** It appears normal.
- **Pulmonic Valve:** It appears normal.
- **Main Pulmonary artery & its branches:** Appear normal.
- **Pericardium:** There is no pericardial effusion.

Description:

- LV is normal size with normal contractility.

Manipal Hospital, Ghaziabad

NH - 24, Hapur Road, Ghaziabad, Uttar Pradesh - 201 002

P : 0120-3535353

Manipal Health Enterprises Private Limited

CIN: U85110KA2003PTC033055

Regd. Off. The Annexe, #98/2, Rustom Bagh, Off. HAL Airport Road, Bengaluru - 560 017

P +91 80 4936 0300 E info@manihospitals.com www.manipalhospitals.com



INVESTIGATION REPORT

Patient Name	MR RAHUL KUMAR SINGH	Location	Ghaziabad
Age/Sex	31 Year(s)/male	Visit No	: V0000000001-GHZB
	MH011760721	Order Date	09/03/2024
Ref. Doctor	: Dr.BHUPENDRA SINGH	Report Date	09/03/2024

Echocardiography

Measurements (mm):

	Observed values	Normal values
Aortic root diameter	30	20-36 (22mm/M ²)
Aortic valve opening	19	15-26
Left atrium size	35	19-40

	End Diastole	End Systole	Normal Values
Left ventricle size	40	24	(ED=37-56:Es=22-40)
Interventricular septum	11	12	(ED=6-12)
Posterior wall thickness	10	12	(ED=5-10)

LV Ejection Fraction (%)	60%	55%-80%
HR		

Color & Doppler evaluation

Valve	Velocity(cm/s)	Regurgitation
Mitral	E/A-93/125 DT-	Nil
Aortic	127	Nil
Tricuspid	28	Nil
Pulmonary	66	Nil


Dr. Bhupendra Singh
 MD, DM (CARDIOLOGY), FACC
 Sr. Consultant Cardiology

Dr. Abhishek Singh
 MD, DNB (CARDIOLOGY), MNAMS
 Sr. Consultant Cardiology

Dr. Sudhanshu Mishra
 Cardiology Registrar

Manipal Hospital, Ghaziabad

NH - 24, Hapur Road, Ghaziabad, Uttar Pradesh - 201 002

P : 0120-3535353

Page 2 of 2

Manipal Health Enterprises Private Limited

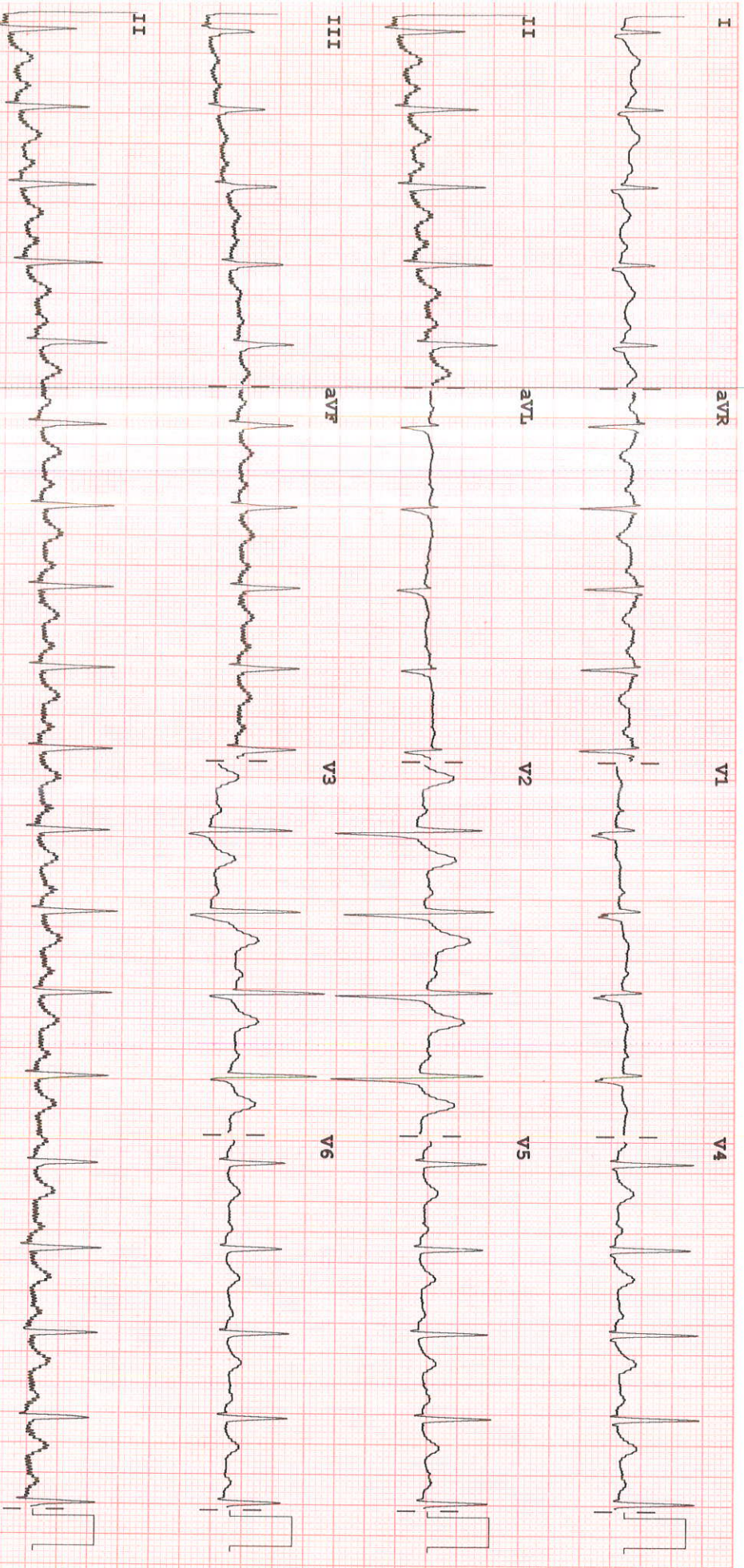
CIN: U85110KA2003PTC033055

Regd. Off. The Annexe, #98/2, Rustom Bagh, Off. HAL Airport Road, Bengaluru - 560 017

P +91 80 4936 0300 E info@manihospitals.com www.manipalhospitals.com

- OTHERWISE NORMAL ECG -

Unconfirmed Diagnosis



Dev:

Speed: 25 mm/sec

Limb: 10 mm/mV

Chest: 10.0 mm/mV

F 60~ 0.15-100 Hz

PH100B CL P?