

sandeep kumar

ID:

7-Mar-2023 10:19:17

Manipal Hospitals, Ghaziabad

38years

Male

Caucasian

74 bpm

Normal sinus rhythm

10:19:17

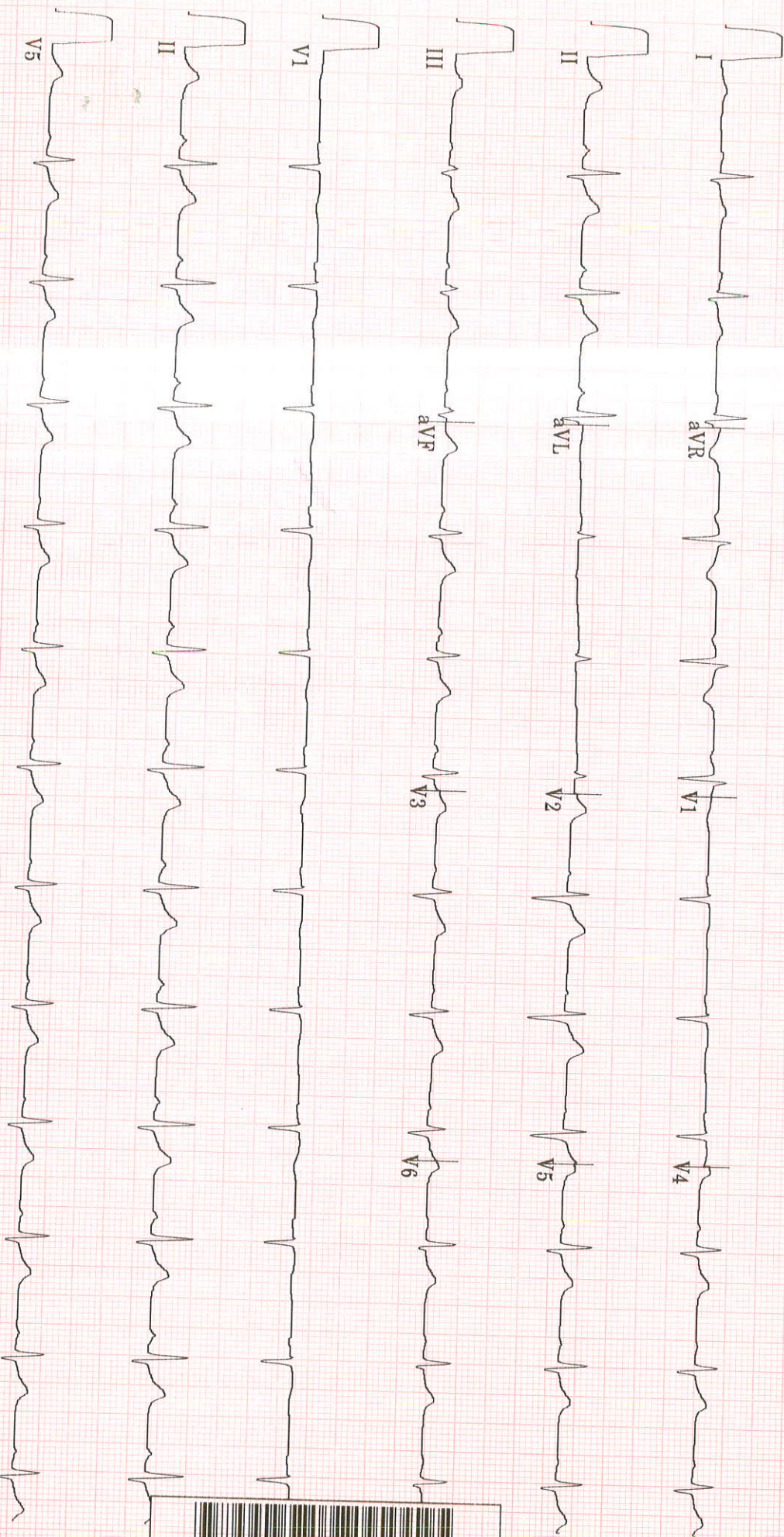
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Vent. rate	74 bpm
PR interval	162 ms
QRS duration	80 ms
QT/QTc	370/410 ms
P-R-T axes	54 37 73

Technician:  
Test ind:

Referred by:

Unconfirmed



20 Hz 25.0 mm/s 10.0 mm/mV



## TMT INVESTIGATION REPORT

Patient Name : Mr Sandeep KUMAR	Location : Ghaziabad
Age/Sex : 38Year(s)/male	Visit No : V0000000001-GHZB
MRN No MH010829028	Order Date : 07/03/2023
Ref. Doctor : HCP	Report Date : 07/03/2023

**Protocol** : Bruce **MPHR** : 182BPM  
**Duration of exercise** : 7min 41sec **85% of MPHR** : 154BPM  
**Reason for termination** : THR achieved **Peak HR Achieved** : 160BPM  
**Blood Pressure (mmHg)** : Baseline BP : 144/88mmHg **% Target HR** : 87%  
Peak BP : 156/88mmHg **METS** : 9.6METS

STAGE	TIME (min)	H.R (bpm)	BP (mmHg)	SYMPTOMS	ECG CHANGES	ARRHYTHMIA
PRE- EXC.	0:00	75	144/88	Nil	No ST changes seen	Nil
STAGE 1	3:00	114	150/88	Nil	No ST changes seen	Nil
STAGE 2	3:00	142	156/88	Nil	No ST changes seen	Nil
STAGE 3	1:41	160	156/88	Nil	No ST changes seen	Nil
RECOVERY	3:05	96	150/88	Nil	No ST changes seen	Nil

**COMMENTS:**

- No ST changes in base line ECG.
- No ST changes during exercise and recovery.
- Normal chronotropic response.
- Normal blood pressure response.
- Fair effort tolerance.

**IMPRESSION:**

Treadmill test is **negative** for exercise induced reversible myocardial ischemia.

**Dr. Bhupendra Singh**MD, DM (CARDIOLOGY),FACC  
Sr. Consultant Cardiology**Dr. Abhishek Singh**MD, DNB (CARDIOLOGY),MNAMS  
Sr. Consultant Cardiology**Dr. Sudhanshu Mishra**MD  
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## LABORATORY REPORT

<b>Name</b>	: MR SANDEEP KUMAR	<b>Age</b>	: 38 Yrs Sex Male
<b>Registration No</b>	: MH010829028	<b>Lab No</b>	: 32230302617
<b>Patient Episode</b>	: H1800000305	<b>Collection Date</b>	: 07 Mar 2023 13:20
<b>Referred By</b>	: HEALTH CHECK MGD	<b>Reporting Date</b>	: 07 Mar 2023 14:18
<b>Receiving Date</b>	: 07 Mar 2023 13:50		

### BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
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Specimen Type : Serum

#### THYROID PROFILE, Serum

T3 - Triiodothyronine (ECLIA)	1.31	ng/ml	[0.70-2.04]
T4 - Thyroxine (ECLIA)	5.67	micg/dl	[4.60-12.00]
Thyroid Stimulating Hormone (ECLIA)	24.560 #	μIU/mL	[0.340-4.250]

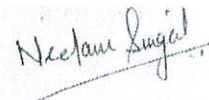
Note : TSH levels are subject to circadian variation, reaching peak levels between 2-4.a.m.and at a minimum between 6-10 pm.Factors such as change of seasons hormonal fluctuations,Ca or Fe supplements,high fibre diet,stress and illness affect TSH results.

\* References ranges recommended by the American Thyroid Association

- 1) Thyroid. 2011 Oct;21(10):1081-125.PMID .21787128
- 2) <http://www.thyroid-info.com/articles/tsh-fluctuating.html>

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



**Dr. Neelam Singal**  
CONSULTANT BIOCHEMISTRY

## LABORATORY REPORT

**Name** : MR SANDEEP KUMAR **Age** : 38 Yr(s) Sex : Male  
**Registration No** : MH010829028 **Lab No** : 202303000588  
**Patient Episode** : H1800000305 **Collection Date** : 07 Mar 2023 08:40  
**Referred By** : HEALTH CHECK MGD **Reporting Date** : 07 Mar 2023 14:52  
**Receiving Date** : 07 Mar 2023 08:40

### HAEMATOCLOGY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
<b>COMPLETE BLOOD COUNT (AUTOMATED)</b>		<b>SPECIMEN-EDTA Whole Blood</b>	
RBC COUNT (IMPEDEANCE)	5.24	millions/cu mm	[4.50-5.50]
HEMOGLOBIN	15.6	g/dl	[12.0-16.0]
Method:cyanide free SLS-colorimetry			
HEMATOCRIT (CALCULATED)	45.7	%	[40.0-50.0]
MCV (DERIVED)	87.2	fL	[83.0-101.0]
MCH (CALCULATED)	29.8	pg	[27.0-32.0]
MCHC (CALCULATED)	34.1	g/dl	[31.5-34.5]
RDW CV% (DERIVED)	12.5	%	[11.6-14.0]
Platelet count	214	x 10 <sup>3</sup> cells/cumm	[150-400]
MPV (DERIVED)	9.2		
WBC COUNT (TC) (IMPEDEANCE)	5.82	x 10 <sup>3</sup> cells/cumm	[4.00-10.00]
DIFFERENTIAL COUNT (VCS TECHNOLOGY/MICROSCOPY)			
Neutrophils	58.0	%	[40.0-80.0]
Lymphocytes	34.0	%	[17.0-45.0]
Monocytes	5.0	%	[2.0-10.0]
Eosinophils	3.0	%	[2.0-7.0]
Basophils	0.0	%	[0.0-2.0]
ESR	8.0	/1sthour	[0.0-

## LABORATORY REPORT

**Name** : MR SANDEEP KUMAR **Age** : 38 Yr(s) Sex : Male  
**Registration No** : MH010829028 **Lab No** : 202303000588  
**Patient Episode** : H18000000305 **Collection Date** : 07 Mar 2023 08:40  
**Referred By** : HEALTH CHECK MGD **Reporting Date** : 07 Mar 2023 16:40  
**Receiving Date** : 07 Mar 2023 08:40

### BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
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#### Glycosylated Hemoglobin

Specimen: EDTA

<b>HbA1c (Glycosylated Hemoglobin)</b> Method: HPLC	7.8 #	%	[0.0-5.6]
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As per American Diabetes Association (ADA)  
HbA1c in %  
Non diabetic adults >= 18years <5.7  
Prediabetes (At Risk )5.7-6.4  
Diagnosing Diabetes >= 6.5

Estimated Average Glucose (eAG)	177	mg/dl	
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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.

#### Serum LIPID PROFILE

Serum TOTAL CHOLESTEROL	219 #	mg/dl	[<200] Moderate risk:200-239 High risk:>240
TRIGLYCERIDES (GPO/POD)	199 #	mg/dl	[<150] Borderline high:151-199 High: 200 - 499 Very high:>500
HDL- CHOLESTEROL Method : Enzymatic Immunoimhibition	41.0	mg/dl	[35.0-65.0]
VLDL- CHOLESTEROL (Calculated)	40 #	mg/dl	[0-35]
CHOLESTEROL, LDL, CALCULATED	138.0 #	mg/dl	[<120.0] Near/ Borderline High:130-159 High Risk:160-189

Above optimal-100-129

## LABORATORY REPORT

**Name** : MR SANDEEP KUMAR **Age** : 38 Yr(s) Sex Male  
**Registration No** : MH010829028 **Lab No** : 202303000588  
**Patient Episode** : H18000000305 **Collection Date** : 07 Mar 2023 08:40  
**Referred By** : HEALTH CHECK MGD **Reporting Date** : 07 Mar 2023 15:05  
**Receiving Date** : 07 Mar 2023 08:40

### BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
T.Chol/HDL.Chol ratio (Calculated)	5.3		<4.0 Optimal 4.0-5.0 Borderline >6 High Risk
LDL.CHOL/HDL.CHOL Ratio (Calculated)	3.4		<3 Optimal 3-4 Borderline >6 High Risk

**Note:**

Reference ranges based on ATP III Classifications.

### KIDNEY PROFILE

Specimen: Serum

UREA 33.9 mg/dl [15.0-40.0]

Method: GLDH, Kinatic assay

BUN, BLOOD UREA NITROGEN 15.8 mg/dl [8.0-20.0]

Method: Calculated

CREATININE, SERUM 0.91 mg/dl [0.70-1.20]

Method: Jaffe rate-IDMS Standardization

URIC ACID 7.2 mg/dl [4.0-8.5]

Method: uricase PAP

SODIUM, SERUM 138.50 mmol/L [136.00-144.00]

POTASSIUM, SERUM 4.40 mmol/L [3.60-5.10]

SERUM CHLORIDE 102.1 mmol/l [101.0-111.0]

Method: ISE Indirect

eGFR (calculated) 106.5 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.

## LABORATORY REPORT

**Name** : MR SANDEEP KUMAR **Age** : 38 Yr(s) Sex : Male  
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**Patient Episode** : H18000000305 **Collection Date** : 07 Mar 2023 08:40  
**Referred By** : HEALTH CHECK MGD **Reporting Date** : 07 Mar 2023 15:05  
**Receiving Date** : 07 Mar 2023 08:40

### BIOCHEMISTRY

**TEST** **RESULT** **UNIT** **BIOLOGICAL REFERENCE INTERVAL**

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.

#### LIVER FUNCTION TEST

BILIRUBIN - TOTAL 0.57 mg/dl [0.30-1.20]  
 Method: D P D

BILIRUBIN - DIRECT 0.10 mg/dl [0.00-0.30]  
 Method: DPD

INDIRECT BILIRUBIN (SERUM) 0.47 # mg/dl [0.10-0.30]  
 Method: Calculation

TOTAL PROTEINS (SERUM) 7.10 gm/dl [6.60-8.70]  
 Method: BIURET

ALBUMIN (SERUM) 4.48 g/dl [3.50-5.20]  
 Method: BCG

GLOBULINS (SERUM) 2.60 gm/dl [1.80-3.40]  
 Method: Calculation

PROTEIN SERUM (A-G) RATIO 1.71 [1.00-2.50]  
 Method: Calculation

AST (SGOT) (SERUM) 21.00 U/L [0.00-40.00]  
 Method: IFCC W/O P5P

ALT (SGPT) (SERUM) 31.00 U/L [17.00-63.00]  
 Method: IFCC W/O P5P

Serum Alkaline Phosphatase 57.0 IU/L [32.0-91.0]  
 Method: AMP BUFFER IFCC)

## LABORATORY REPORT

**Name** : MR SANDEEP KUMAR **Age** : 38 Yrs | **Sex** : Male  
**Registration No** : MH010829028 **Lab No** : 202303000588  
**Patient Episode** : H18000000305 **Collection Date** : 07 Mar 2023 08:40  
**Referred By** : HEALTH CHECK MGD **Reporting Date** : 07 Mar 2023 15:05  
**Receiving Date** : 07 Mar 2023 08:40

### BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
GGT	37.0		[7.0-50.0]

**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.*

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



**Dr. Alka Dixit Vats**  
**Consultant Pathologist**



## LABORATORY REPORT

**Name** : MR SANDEEP KUMAR **Age** : 38 Yr(s) Sex : Male  
**Registration No** : MH010829028 **Lab No** : 202303000589  
**Patient Episode** : H18000000305 **Collection Date** : 07 Mar 2023 08:40  
**Referred By** : HEALTH CHECK MGD **Reporting Date** : 07 Mar 2023 15:05  
**Receiving Date** : 07 Mar 2023 08:40

### BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
<b>GLUCOSE-Fasting</b> Specimen: Plasma <b>GLUCOSE, FASTING (F)</b> Method: Hexokinase	158.0 #	mg/dl	[70.0-110.0]

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

*Alka*

Dr. Alka Dixit Vats  
Consultant Pathologist

## LABORATORY REPORT

<b>Name</b>	: MR SANDEEP KUMAR	<b>Age</b>	: 38 Yr(s) Sex: Male
<b>Registration No</b>	: MH010829028	<b>Lab No</b>	: 202303000590
<b>Patient Episode</b>	: H18000000305	<b>Collection Date</b>	: 07 Mar 2023 13:23
<b>Referred By</b>	: HEALTH CHECK MGD	<b>Reporting Date</b>	: 07 Mar 2023 16:13
<b>Receiving Date</b>	: 07 Mar 2023 13:23		

### BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
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#### PLASMA GLUCOSE

Specimen: Plasma

<b>GLUCOSE, POST PRANDIAL (PP), 2 HOURS</b>	253.0 #	mg/dl	[80.0-140.0]
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Method: Hexokinase

Note:

Conditions which can lead to lower postprandial glucose levels as compared to fasting glucose are excessive insulin release, rapid gastric emptying, brisk glucose absorption, post exercise

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

*Alka*

Dr. Alka Dixit Vats  
Consultant Pathologist

## RADIOLOGY REPORT

<b>Name</b>	Sandeep KUMAR	<b>Modality</b>	US
<b>Patient ID</b>	MH010829028	<b>Accession No</b>	R5251127
<b>Gender / Age</b>	M / 38Y 3M 14D	<b>Scan Date</b>	07-03-2023 09:55:26
<b>Ref. Phys</b>	Dr. HEALTH CHECK MGD	<b>Report Date</b>	07-03-2023 11:01:48

## ABDOMEN &amp; PELVIS

## FINDINGS

**LIVER:** appears enlarged in size (measures 154 mm) but normal in shape and shows diffuse increase in liver echotexture, in keeping with diffuse grade I fatty infiltration. Rest normal.

**SPLEEN:** Spleen is normal in size (measures 93 mm), shape and echotexture. Rest normal.

**PORTAL VEIN:** Appears normal in size and measures 12.4 mm.

**COMMON BILE DUCT:** Appears normal in size and measures 4.4 mm.

**IVC, HEPATIC VEINS:** Normal.

**BILIARY SYSTEM:** Normal.

**GALL BLADDER:** is well distended with normal wall thickness (~2.5mm) and shows small echogenic shadow without posterior acoustic shadowing embedded in posterior wall of gallbladder measuring ~ 7 mm suggesting polyp/solitary cholesterol granule.

**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 89 x 61 mm.

**Left Kidney:** measures 95 x 52 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 40 x 33 x 30 mm with volume 20 cc. Rest normal.

**SEMINAL VESICLES:** Normal.

**BOWEL:** Visualized bowel loops appear normal.

## IMPRESSION

**-Hepatomegaly with diffuse grade I fatty infiltration in liver.**

**-Polyp/solitary cholesterol granule embedded in posterior wall of gallbladder.**

Recommend clinical correlation.

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## RADIOLOGY REPORT

<b>Name</b>	Sandeep KUMAR	<b>Modality</b>	US
<b>Patient ID</b>	MH010829028	<b>Accession No</b>	R5251127
<b>Gender/Age</b>	M / 38Y 3M 14D	<b>Scan Date</b>	07-03-2023 09:55:26
<b>Ref. Phys</b>	Dr. HEALTH CHECK MGD	<b>Report Date</b>	07-03-2023 11:01:48



Dr. Monica Shekhawat, MBBS, DNB,  
Consultant Radiologist, Reg No MCI 11 10887

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## RADIOLOGY REPORT

Name	Sandeep KUMAR	Modality	DX
Patient ID	MH010829028	Accession No	R5251126
Gender/Age	M / 38Y 3M 14D	Scan Date	07-03-2023 08:55:34
Ref. Phys	Dr. HEALTH CHECK MGD	Report Date	07-03-2023 10:19:26

## XR- CHEST PA VIEW

**FINDINGS:***Subinspiratory film*

LUNGS: Prominent bronchovascular markings are seen bilaterally

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:****Prominent bronchovascular markings are seen bilaterally***Please correlate clinically*

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## RADIOLOGY REPORT

<b>Name</b>	Sandeep KUMAR	<b>Modality</b>	DX
<b>Patient ID</b>	MH010829028	<b>Accession No</b>	R5251126
<b>Gender / Age</b>	M / 38Y 3M 14D	<b>Scan Date</b>	07-03-2023 08:55:34
<b>Ref. Phys</b>	Dr. HEALTH CHECK MGD	<b>Report Date</b>	07-03-2023 10:19:26



Dr. Prabhat Prakash Gupta,  
MBBS, DNB, MNAMS, FRCR(I)  
Consultant Radiologist, Reg no DMC/R/14242

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