

plc modlabed



Dr. Deepak Talwar

MD, DTCO, DNB (Respiratory Diseases)
DM (Pulmonary & Critical Care)
MNAMS, FNCCP, FCCS, FCCP, FISDA

Director & Chair
Pulmonary, Allergy, Sleep and Critical Care
Metro Group Of Hospitals, India



(a unit of Metro Institutes of Medical Sciences Pvt. Ltd.)
CIN No : U00000DL1990PTC039293
(NABH, NABL & ISO 9001:2008 Certified)

Mr. Zahid Hussain 784M ID No 2023018043

plc. 200, catni adpew

2 yrs med: bent 15 days ✓

plc Reant last 1 cold ⊕

klco tetw on Telma no
7 10-15 yrs

Post-Loris (April 21)

28/8/23
Lp. Smoker. 30 pack year

Age 202(214) 80, 143 (671)
1.42 (671)

Shod 271

Penol 15pph

glat at 954-914

B₂ Basal Crackles +
Early 1/15

Qui
men
effant

Indamet G 1 Cap o
Instahaler P OD
via Inhaler

o + Maseys Plus Bid.

o 4 Montefren XL 1/15

o 4 Anico DR 1 OD / BBF.

o 4 Telma 40 OD

o Cap Victory A - 2 1 OD

Avr
Cap, 10-15 yrs ✓
Cereles efens. + ossabsh ✓
L CBC / LFT / KFT / SPE (total) ✓
| ECG & Echo

L Spurn opent Hw / Spurn yocle!

L Plan [HR CT Chest] (Dnep 1000 1m)

CAC-31

METRO CENTRE FOR RESPIRATORY DISEASES

Metro Multispeciality Hospital: 3rd Floor, L-94, Sector-11, Noida - 201301, Tel: 0120-2522959, 2442666, Fax: 0120-2442555

Metro Hospital & Cancer Institute: 21, Community Centre, Preet Vihar, Delhi - 92, Tel: 011-22460000, Fax: 011-22526671

RLKC Hospital & Metro Heart Institute: Naraina Road (Near Shadipur Metro Station), New Delhi - 08, Tel: 011-25891014/15/16, Fax: 011-25891033

For OPD Appointments Call on : Mr. Deepak Gupta, Mobile: +91 98101 22486 / Emergency: +91 99104 88467

www.metrohospitals.com

Cap Mannewn 14 1/15



METRO
HOSPITALS & HEART INSTITUTE
(a unit of Metro Institutes of Medical Sciences Pvt. Ltd.)
CIN No : U00000DL1990PTC039293
(NABH, NABL & ISO 9001: 2008 Certified)

METRO CENTRE FOR RESPIRATORY DISEASES

28th Aug 2023

OXYGEN SATURATION TEST

Name	Mr. Zahid Husain	Age (yrs)	78
Hospital ID No.	2023009297	Sex	M
Ref. Doctor	Dr. Deepak Talwar	Height (cms)	169
Diagnosis	COPD	Weight (kgs)	54
Unit	Respiratory	OPD/IPD	OPD

- Supplemental Oxygen during the test : No
- Stopped or paused before 6 minute : No
- Duration : 6 Minute.
- Symptoms at the end of the test : None

DISTANCE

Predicted	Covered	(%) Predicted
386	<u>285</u>	<u>73%</u>

	Baseline	Maximum	Minimum	End	Recovery	Time
HR(min)	73	105		100	92	-
SpO ₂ (%)	95	95	<u>91</u>	94	-	-
SBP/DBP(mmHg)	120/80			130/80	-	-
Dyspnea (Borg Scale)	0			0	-	-
Fatigue(Borg Scale)	0			0	-	-

Comments:

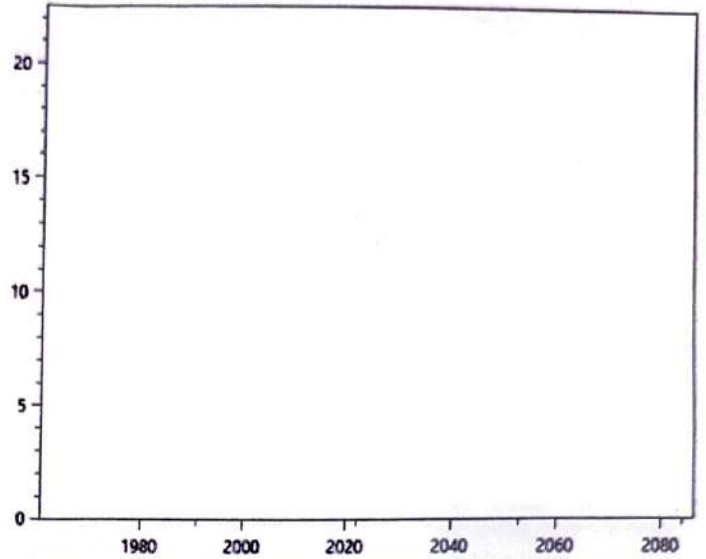
The test was done with optimal patient co-operation at his pace. The oxygen saturation level was dropped from 95% to 91% during the tests

DR. DEEPAK TALWAR, MD DNB(Respiratory Diseases)
Pulmonary Medicine & Critical Care Medicine), FCCP(USA)

Dr. Obaidullah Ahmed
(Respiratory Physiotherapist)

Patient Details

Name: MR. ZAHID HUSAIN
Sex: Male
Born: 01-01-1945
Patient ID: 2023018047

FeNO History

Latest Test

15 PPB	Device Type: Fenom Pro
	Device S/N: 100227
2023-08-28 01:44 PM	Test Type: 10 Second

Score	Time	Test Type	Device Type	Device S/N
15	2023-08-28 01:44 PM	10 Second	Fenom Pro	100227

28.08.2023 05:08PM

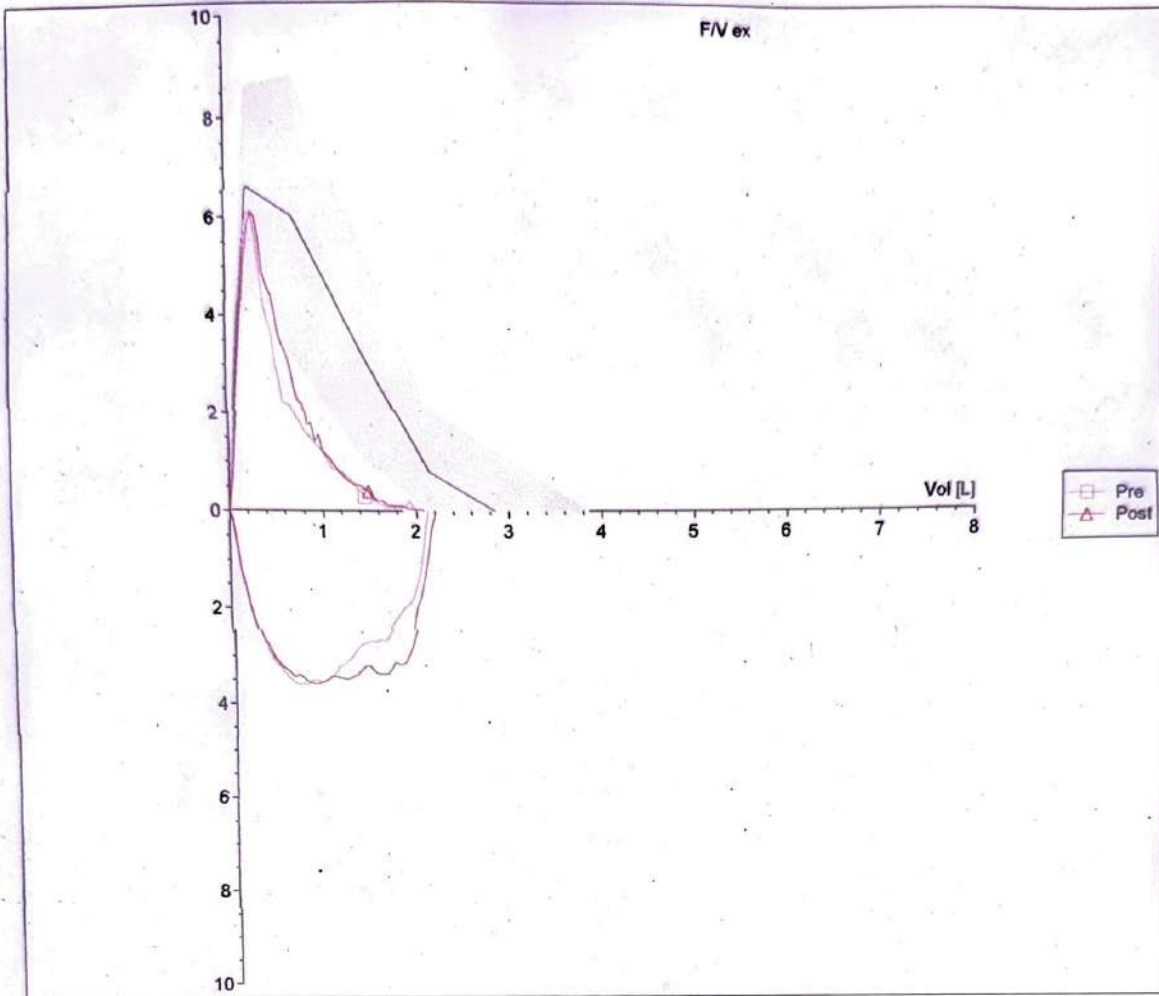
METRO CENTRE FOR RESPIRATORY DISEASES
L-94, SECTOR-11, NOIDA- U.P.
PULMONARY FUNCTION TEST LABORATORY
 DR. DEEPAK TALWAR MD,DTCD,DNB,DM (PULMONARY&CRITICAL CARE)

First Name:	MR. ZAHID HUSAIN	Gender:	male
Identification:	2023018047	Weight:	67.0 kg
Age:	78 Years	Height:	160 cm
Patient History:	Former smoker	BMI:	26
		Ref. Physician:	DR. DEEPAK TALWAR

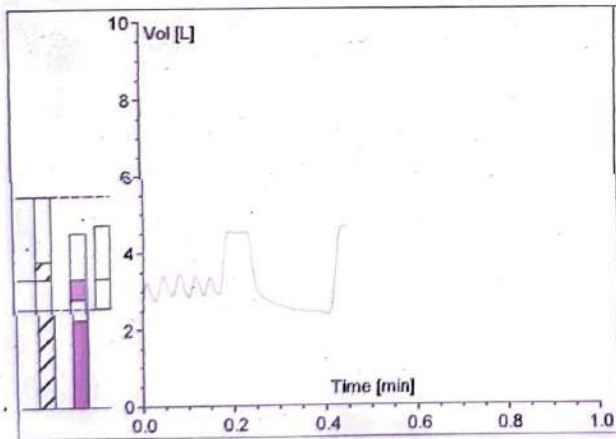
COMPLETE PULMONARY FUNCTION TEST WITH DLCO AND FRC REPORT

		Pred LL	PRED	PRE	% PRED	POST	%PRED	% CHANGE
DYNAMIC LUNG VOLUMES & FLOW RATES								
FVC	L	1.84	2.85	2.02	71 %	2.06	72 %	2 %
FEV1	L	1.29	2.13	1.43	67 %	1.47	69 %	3 %
FEV6	L			1.90		1.99		4 %
FEV1%F	%	61.38	73.17	70.99	97 %	71.50	98 %	1 %
PEF	L/s	4.63	6.62	6.12	92 %	6.10	92 %	-0 %
MMEF	L/s	0.74	2.45	0.47	19 %	0.76	31 %	60 %
MEF75	L/s	3.19	6.00	2.60	43 %	3.79	63 %	46 %
MEF50	L/s	1.12	3.30	0.83	25 %	1.03	31 %	24 %
MEF25	L/s		0.81	«	5 %	0.23	28 %	475 %
FIF50	L/s			3.38		3.47		3 %
MIF	L/s			0.62				
PIF	L/s			3.63		3.61		-1 %
FET	sec			6.27		6.07		-3 %
SVC								
VC MAX	L	2.00	2.93	2.25	77 %	2.16	74 %	-4 %
IC	L	2.15	2.15	1.80	84 %			
ERV	L	0.77	0.77	0.45	58 %			
IRV	L			1.24				
VT	L	0.48	0.48	0.56	117 %			
MVV	L/min	89.20	89.20					
DIFFUSION								
DLCO_SBml/(min*mmHg)		12.77	19.70	17.23	87 %			
BHT	sec			11.09				
KCO_SBml/(min*mmHg*L)		2.05	3.45	4.90	142 %			
VA_SB	L	5.55	5.55	3.52	63 %			
VIN_SB	L	2.00	2.93	2.11	72 %			
DLCOcSBml/(min*mmHg)		12.77	19.70	17.23	87 %			
KCOc_SBml/(min*mmHg*L)		2.05	3.45	4.90	142 %			
BODYPLETHYSMOGRAPHY								
R tot	kPa/(L/s)	0.30	0.30	0.44	146 %			
R eff	kPa/(L/s)	0.30	0.30	0.40	132 %			
sR eff	kPa*s	1.18	1.18	1.23	104 %			
sR tot	kPa*s	1.18	1.18	1.35	115 %			
sR 0.5	kPa*s	1.18	1.18	0.71	60 %			
sGaw	1/(kPa*s)	0.85	0.85	0.82	96 %			
FRCpl	L	2.37	3.36	2.82	84 %			
RV	L	1.91	2.58	2.27	88 %			
TLC	L	4.55	5.70	4.56	80 %			
RV%TLC	%	35.40	44.38	49.82	112 %			

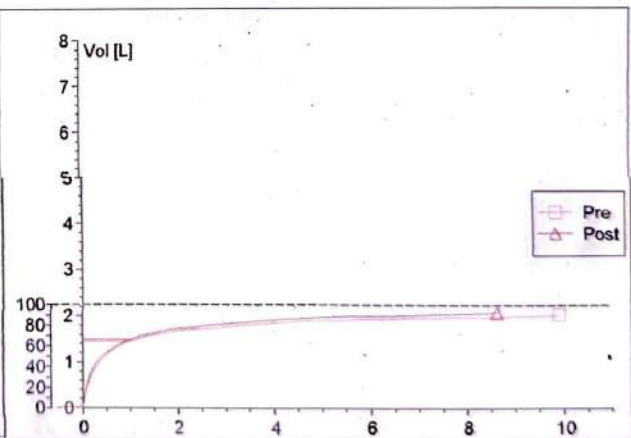
FLOW/VOLUME GRAPHICS



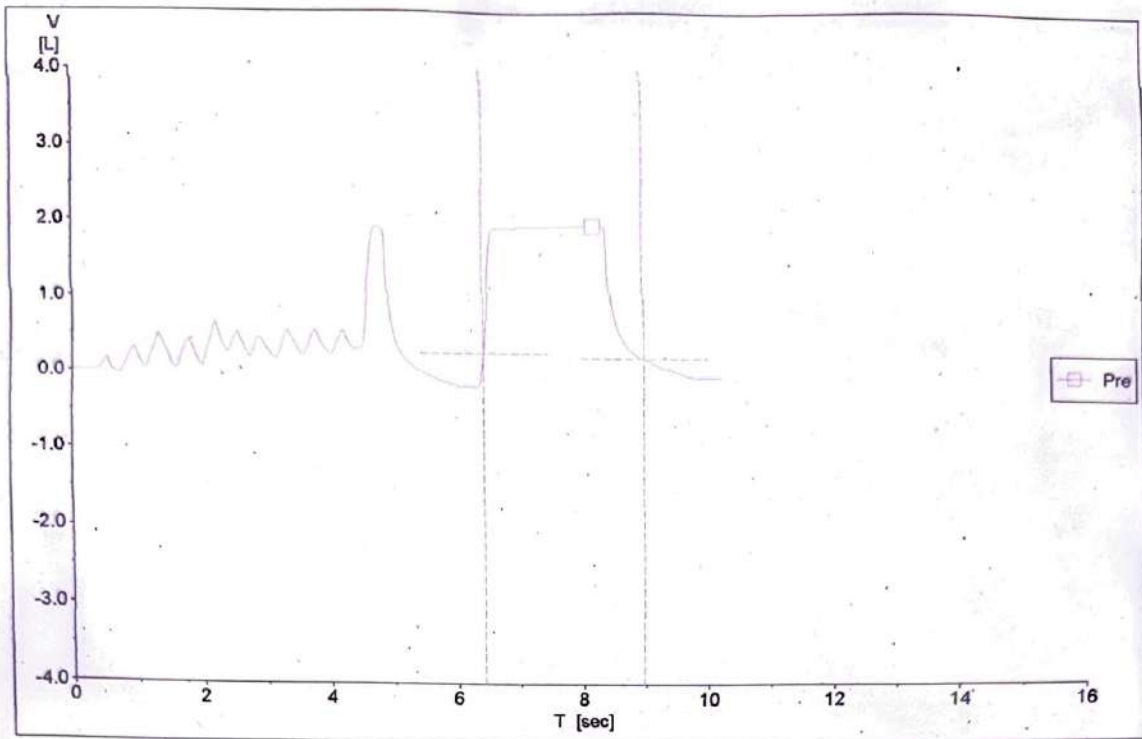
SLOW VITAL CAPACITY GRAPHICS



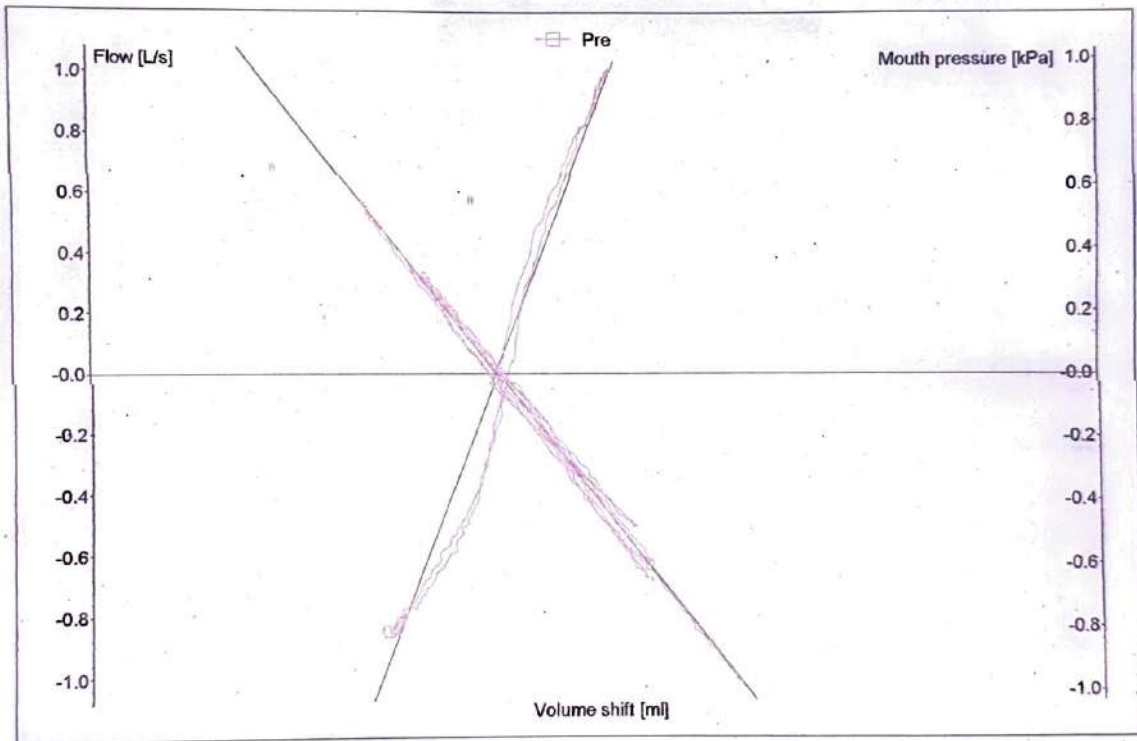
VOLUME/TIME GRAPHICS



DIFFUSION SINGLE BREATH GRAPHICS



BODYPLETHYSMOGRAPHY GRAPHICS



28.08.2023

METRO CENTRE FOR RESPIRATORY DISEASES

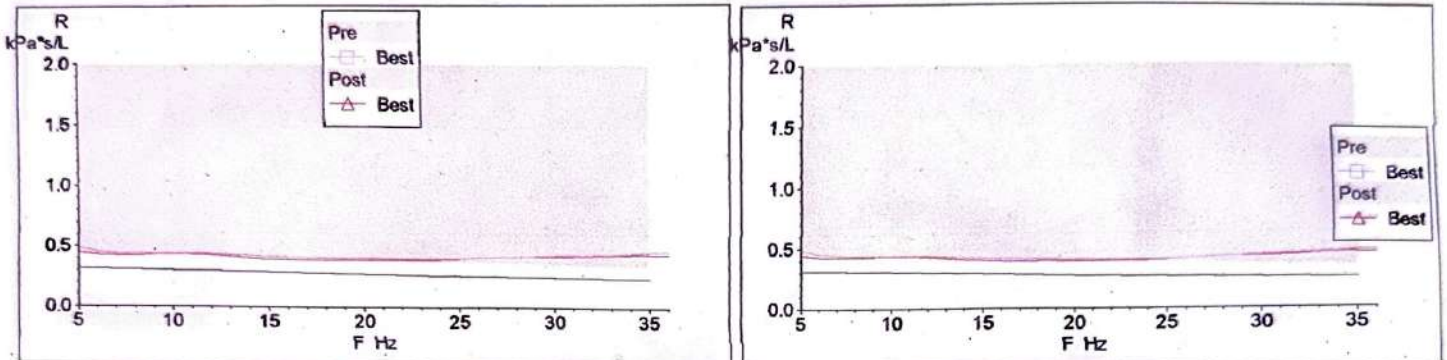
L-94, SECTOR-11, NOIDA- U.P.

PULMONARY FUNCTION TEST LABORATORY

DR. DEEPAK TALWAR MD,DTCD,DNB,DM (PULMONARY&CRITICAL CARE)

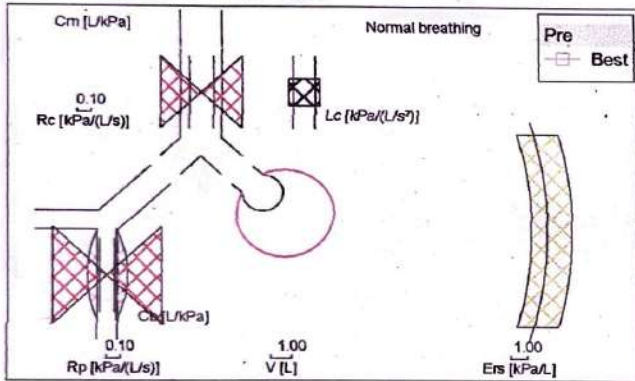
First Name: MR. ZAHID HUSAIN Gender: male
 Identification: 2023018047 Height: 160 cm Weight: 67.0 kg
 Age: 78 Years BMI: 26 Ref. Physician: DR. DEEPAK T/
 Patient History: Former smoker

Impulse Oscillometry

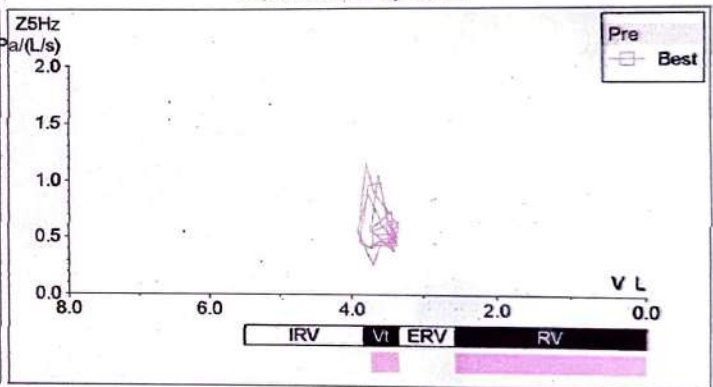


Resistance Spectra

Reactance Spectra



Interpretation - Graph



Volume Dependence

		Pred	PRE	%PRED	POST	%PRED	%CHANGE
R5Hz	kPa/(L/s)	0.32	0.49	154	0.45	142	-8
X5Hz	kPa/(L/s)	-0.04	-0.18	485	-0.13	356	-27
R20Hz	kPa/(L/s)	0.28	0.41	146	0.39	140	-4
X20Hz	kPa/(L/s)	0.03	0.04	133	0.06	212	60
Z5Hz	kPa/(L/s)	0.32	0.52	163	0.47	146	-10
Fres.	1/s		16.40		14.94		-9
AX	kPa/L		0.71		0.43		-41
D5-20%	%		21.17		15.50		-27
VT	L	0.48	0.38	80	0.31	65	-19
CO5Hz			0.8		0.9		5
CO20Hz			0.9		1.0		3
X5VIN	kPa/(L/s)						
Xin5	kPa/(L/s)	-0.04	-0.15	400	-0.18	484	21
Xex5	kPa/(L/s)	-0.04	-0.22	609	-0.09	236	-61
Rin5	kPa/(L/s)	0.32	0.42	131	0.42	132	1
Rex5	kPa/(L/s)	0.32	0.59	185	0.47	148	-20

Dr. C.P. Singh

M.B.B.S., M.D. (Medicine)
(K.G.M.C., Lucknow)

परामर्श चिकित्सक

दमा, टीबी, साँस रोग,
शुगर, हृदय, पेट व डेंगू रोग

ڈاکٹر سی پی سنگھ

ایم بی بی ایس، ایم ڈی (مڈیسن)

(کے جی ایم سی، لکھنؤ)

مشاورت ڈاکٹر

دما، ٹی بی، سانس کے رोग،
شکر، دل، پیٹ اور ڈینگے



जिज्ञासा नर्सिंग होम

B-45/46, लिफ्ट राजाराम धर्मशाला, गाँधी नगर, मुयदाबाद

फोन: 0591-2490044/7536848000

E-mail: drcpsingh71@yahoo.com

मिळणे का समय सुबह-9.00 बजे से 3.00 बजे तक शाम-3.00 से 7.30 बजे तक

परामर्श फीस 7 दिनों में दो बार दिखाणे के लिये मायब

प्रत्येक माह की 1 तारीख को निःशुल्क कंसल्ट

रविवार अवकाश

Name	MR ZAHID HUSSAIN	Add.	PAKWARA MORADABAD	Age/Sex	28 / M	Date	14/09/23
------	------------------	------	-------------------	---------	--------	------	----------

B.P: 130/80

Pulse: 90M

Temp: 102.5 F

Wt.: 69 Kg

B.Sugar:

SpO2: 97%

Handwritten notes: High grade fever & chills, (14 days ago) from (moradabad)

④

Invext. :
 14/09/2023
 Hb - 14.8
 TLC - 7600
 DLC - 63
 Plc - 1.66
 S-BPII - 1.0
 SNPT - 24.9
 SNOT - 19.3
 Urea - 32.6
 Cr - 1.0
 uric Acid - 8.5

Tab Sumelar 1000 BD
 Tab Sumen 500
 Tab Defixon 300
 Tab Fenodix m 100
 Camp Nitropan
 Sp Spid
 Tab Dose 1000
 XAU

Typhoid :-
 IgM - Positive
 IgG - Negative
 Dengue :- Negative

urine exam :-
 Albumin - Traces
 Py cells - (2-3) HPF

Facilities: PFT, ECG, ECHO, ICU, AC, DELUXE ROOMS and GENERAL WARDS, X-RAYS & Pathlogy.
 ICU एवं ICCU में VENTILATORS, BIPAP एवं CPAP की सुविधा, Hepatitis C एवं B का आधुनिक उपचार एवं टीकाकरण
 पूर्णतया वातानुकूलित (Air Condition) अस्पताल NABH Accredited & ISO 9001:2015 Certified Hospital Not For medicolegal Use

Opening Soon →: जिज्ञासा सुपर स्पेशलिटी हॉस्पिटल, मिंगलानी सिनेमा के पास, रामपुर रोड, मुयदाबाद (उ० प्र०)

Mr. Zahid Hussain 70y/m

BP 140/90 - 130/80

% COPD.

22 SEP 2023

Pulse 72/m - 74/m

26 SEP 2023

SpO2 94% - 93%

Temp 97.3°F - 97.4°F

Wt 67kg - 68kg

Hight

Investigation

New Diabetic

Ex-Smoker.

No w/o ATT Intake.

CXR LA - Hyperinflation

PFT - Mod. airflow limitation

DLCO - 87%.

Spontaneous breath sound low over

2 puff x OD.

Tas. Salmeterol - N OD.

Tas. Montelukast 10mg.

Cap. Salbutamol 2 OD.

Cap. Ranitidine 150mg OD.

Cap. Calista 150mg OD.

Typhi Det.





24+ years of Excellence & Trust

Centre of Excellence in Cardiology

Dr. Akhil Kaushik
MD, DM, Cardiologist



PATIENT RECORD

Date of First Consultation 29-9-2023 UHID No. 20909
 Name Mr. Zahid Hussain Age 78y. Male Female
 Address
 Mobile No. 91569770000

CARDIOLOGY OPD CONSULTATION

Mr. Zahid Hussain.

OPD Receipt No. 19339 Serial No.
Validity From 28.09.2023 to 04-10-2023
PR: 78 / MBP: 130/68 Temp. WT.

Thanks for reference (Dr. Kasif Sb.)
Ex ch. smoker. C for 30 yrs. 15 yrs back.

Nocturnal Angina x 2-3 mths.

Recurrent chest-heaviness & breathlessness episodes

ECG - MVD

P. ASCOPRIN GOLD x 0
75/75/20 8.00AM

ECG - MVD

P. DILTREM 30mg 0
8.00AM 8.00PM

ECHO - @ 60+3/4

P. Ismo 10mg 0
8.00AM

TAB. SORBITRATE 5 mg S/L SOS
(Chest Pain)

~~CAG ± Peras~~

Ret to continue as advised by Dr. Kasif Sb.

x 152

28.09.2023

Dr. Rajat Shekhar

M.B.B.S., M.D.(Medicine), Diploma in Cardiology,
Royal Postgraduate Medical School, University of London,
Hammersmith Hospital, Du Cane Road, London.

डा. रजत शेखर

Formerly

- Senior Physician Cardiologist, National Heart Institute, New Delhi
- Attending Cardiologist, Escorts Heart Institute & Research Centre, New Delhi

hirdeya

Cardiac Lab & Clinic

8/6/56D, Near Police Station,

Civil Lines, Moradabad

10 a.m. to 8 p.m.

(Monday to Saturday)

Ph. : 8449519467

7534087977

0591-2410327

Mr Zahid Hussain
78y

9/10/23

MTN

(N) et.

Recent onset

DOE.

? Myxoma Embolus

CT. angio → MCLAD.

170/90

=

adv CAG

≡

Sai Hospital

od / → Dilzem CD 90. od
→ Arbidol 40.
- CT D 6.25

- Nitroglycerin 2.6

3. दृष्टि.

- Escapm hold
75 75 20

The Heart Centre

2, Ring Road, Lajpat Nagar-IV, New Delhi - 110024, Tel. : 011-40044312, 40044313, 40044314, 40044315
E-mail : heartcentre7862012@yahoo.com Website : www.theheartcentre.in.net

Discharge Summary

UHID :	2023001177	Patient Name :	Mr. Zahid Husain
Age/Sex :	78 Y/Male	Ward/Room/Bed :	CCU/Room 1/13
Admission No. :	2023000328	Consultant :	Dr. M Khalilullah
Address :	Delhi Road, Pakbada, Distt. Muradabad		
Admission Date Time :	10/10/2023 13:59:00	Discharge Date Time :	11/10/2023 14:09:42

DIAGNOSIS

Accelerated Hypertension

Non-Critical Coronary Artery Disease

PRESENTING COMPLAINTS

C/O Recent onset of dyspnea and angina on exertion class II

SHORT CLINICAL HISTORY

Mr. Zahid Husain 78 years old gentleman is hypertensive and non-diabetic. He came with presenting complaints of recent onset of dyspnea and angina on exertion class II. CT angiography done in Muradabad showed single vessel disease (LAD 80% stenosis). He was admitted for further evaluation and management.

GENERAL PHYSICAL EXAMINATION

Patient conscious, oriented

Pulse : 67 / min

B.P. : 150/90 mmHg.

RR : 19/ min

Chest : B/L clear

CVS : S1+S2 normal

CNS : NAD

P/A : Soft BS(+)

HOSPITAL COURSE

Patient was admitted in CCU, USG Abdomen done showed the liver is normal in

size and outline, it shows homogenous parenchymal echotexture, IHBR are not dilated, the gall bladder is adequate distended and shows normal contents, No definite calculus is seen, the CBD measures 4 mm, the pancreas and spleen are normal, the kidneys are normal in size and outline, the CM differentiation is maintained, No calculus/ hydrophrosis is seen on either side, A 33 x 32 mm septate cystic area seen along lower pole of left kidney, the urinary bladder is normal, the prostate is enlarged, it measures 44 x 42 x 39 mm with a weight of 39 grams, 2D Echo was done which revealed there is no evidence of myocardial injury, No valvular seen, normal LV systolic function, with normal diastolic relaxatio, normal doppler and colour flow mapping studies, No PAH, No cardiomegaly, No LVH or intracardiac mass, normal RV functions, IVC normal, tissue doppler imaging shows normal myocardial systolic velocities. He underwent coronary angiography on 10.10.23 which revealed Non-Significant stenosis of LAD. The procedure was well tolerated without any complications. Now he is being discharged in stable condition.

PROCEDURE

Coronary Angiography

REPORTS ATTACHED

ECG, Echo, Blood Test

CONDITION AT DISCHARGE

Stable

ADVICE AT DISCHARGE

Tab. Eritel-LN (40/10)mg twice a day (9am-9pm) ○ ○

Tab. Minipress XL 5mg twice a day (9am-9pm) ○ ○

Tab. Metolar XR 50mg once a day (9am) ○

Tab. Rosules 20mg once a day (10pm) ○

Tab. Ciplox 500mg twice a day (9am-9pm) X 3 days ○ ○

Tab. Ultracet SOS

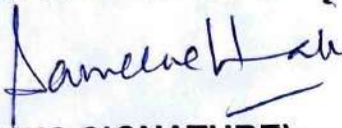
BP monitoring thrice a day (9am-3pm-9pm)

RBS monitoring daily

SPECIAL INSTRUCTIONS

FOLLOW UP

Review in OPD after 1 month



(DOCTOR'S SIGNATURE)

DATE: 11/10/23

EX

The Heart Centre

2, Ring Road, Lajpat Nagar-IV, New Delhi - 110024, Tel. : 011-40044312, 40044313, 40044314, 40044315
E-mail : heartcentre7862012@yahoo.com Website : www.theheartcentre.in.net

CORONARY ANGIOGRAPHY REPORT

Name : Mr. Zahid Hussain
CR No. : 10715
Cath No. : 11181
Date : 10/10/2023
Admitting Consultant: Dr.Sameena Khalil
Done By : Dr. Sameena Khalil
Indication : ? CAD
Premedication Inj. : Inj.Efcorlin, Inj. Avil
Procedure : Coronary Angiography
Arterial Access : Right Radial Artery
Medication Administered : Inj. Heparin 3000Unit
Dye Used : Omnipaque
Catheters Used : Tiger Catheter
Complication and Technical Difficulties: Nil
Hemodynamic Data - LV not entered

Angiographic Findings

LM - Normal.
LAD - Type III vessel, mid has a lesion with 40-50% stenosis, rest normal.
LCX - Co-dominant, normal.
RCA - Dominant, normal
PDA + PLV - Normal.

Impression - Non-Significant stenosis of LAD.
Advice - Medical Management.


Dr. Sameena Khalil
DNB (MED), DNB (Cardiology)
Consultant Cardiologist

The Heart Centre

2, Ring Road, Lajpat Nagar-IV, New Delhi - 110024, Tel. : 011-40044312, 40044313, 40044314, 40044315
E-mail : heartcentre7862012@yahoo.com Website : www.theheartcentre.in.net

ECHOCARDIOGRAM REPORT

NAME : MR. Zahid Hussain

AGE/SEX : 78 /MALE

ECHO NO: 2022121080

REFERRING DIAGNOSIS: Evaluation of CVS

DATE 11/10/2023

REFERRING PHYSICIAN: Dr. M Khalilullah

DIMENSIONS: (ADULT VALUES)

MITRAL VALVE :
ANTERIOR LEAFLET :
EF SLOPE : N (50 - 150 mm/sec)
DE AMPLITUDE : 19 (20 - 30 mm)
MOTION : N
THICKNESS : N
Posterior leaflet motion : Normal/Paradoxical / Prolapsing
AORTIC VALVE :
- CUSP Opening : 17 (15 - 26 mm) Closure Line - Central/Ecc.
- Thickness : Normal/thickened/calcified
AORTIC ROOT DIAMETER (e d) 35 (Upto 39 mm)
LEFT ATRIUM DIAMETER (e s) 33 / 1.5-2.3 cm/m2 (Upto 39 mm)
RIGHT VENTRICLE
Diameter (e d) 18 (20-30 mm) / 5-12 cm/m2 Thickness - Normal (< 5 mm)
RIGHT ATRIUM Normal/Overloaded / <18.0 cmsq
INTERVENTRICULAR SEPTAL THICKNESS End Diastolic N End Systolic (6 - 11 mm)N
POSTERIOR WALL THICKNESS N (6 - 11 mm) N
LEFT VENTRICLE
- end diastolic diameter 47 (40 to 56 mm) / 2.2-3.1 cm/m2
- end systolic diameter 18 (25- 39 mm) / 1.3-2.1 cm/m2
- Ejection Fraction 60±3% > 55%
- 2-D Strain (GLS) when applicable:- > -18
See Final Comments
IVS / LV PW RATIO (1.5:1)
RWT (0.24-0.42)
DISCUSSION

2-D PARASTERNAL LONG AXIS VIEW (PLAX) :

Shows normal motion pattern of mitral and aortic cusps and are not thickened. No MVP. Aorta, LA normal. RV not dilated. LV dimensions normal. No LVH. IVS and infero lateral LV walls move normally. No evidence of pericardial thickening or effusion.

2-D PARASTERNAL SHORT AXIS VIEW (SAX) :

Shows normal motion pattern of tricuspid and pulmonary valve. RVOT normal. PA not dilated. LV contractility, both at mitral valve and papillary muscle level, is normal. Three aortic cusps seen. Great vessel relationship normal.

2-D APICAL VIEWS (4 Chamber, 2 Chamber & Long Axis) :

Apical 4 chamber view shows normal motion of IVS & lateral wall. Systolic thickening normal. Apical 2 ch. view shows symmetrical contractility of inferior & anterior wall. LV functions normal. MV closure pattern normal. No intracardiac mass or LV thrombus.

OTHER VIEWS :

Subcostal views do not show any septal defects. RV contractility normal. IVC drains normally in RA & shows normal size and inspiratory collapse. Suprasternal views show normal aortic root and descending aorta.

DOPPLER STUDIES:

Valves	Normal Velocity (m/sec)	Velocities Max/Mean	Stenosis Gradient mmHg Peak/Mean	Regurgitation Grading
MV	(0.6 - 1.0)	E0.69 A0.94 /	0/4
TV	(0.3 - 0.6)	Normal /	0/4
PV	(0.6 - 0.9)	0.80 /	0/4
AV	(0.7 - 1.1)	1.28 /	0/4

PA PRESSURE : NORMAL

DOPPLER FLOW DISCUSSION :

Doppler studies show normal valvular velocities. Signals of MR or TR not seen. No PAH. Flow velocity across descending aorta normal.

BASIC DIASTOLIC FUNCTION PARAMETERS:- Normal (Mitral E velocity cm/sec, E/A ratio, TDI medial annulus : cm/sec, TDI lateral annulus cm/sec, Average E/e' ratio, LA volume index; ml/msq, TR jet velocity m/sec, Any other parameters where applicable (pulmonary vein Doppler, Valsalva etc).

COLOR FLOW MAPPING:

PLAX shows normal flow pattern across mitral and aortic valves. No abnormal flow seen across IVS. Short axis view shows normal flow across tricuspid valve. PA flow normal. Apical views show normal flow pattern across mitral and aortic valves. No MR seen. Suprasternal views show normal flows. No abnormal flow seen through IAS. Pulmonary venous flow normal.

FINAL IMPRESSION :

1. In resting study there is no evidence of myocardial injury. No valvular lesion seen.
2. Normal systolic LV function with normal diastolic relaxation (EF of 60±3% is by 2-D volume, biplane apical 4 and 2 chamber view in maximum diastole and minimum systole. Value of EF could be variable due to restricted endocardial delineation
3. Normal Doppler and color flow mapping studies. No PAH
4. No cardiomegaly.
5. No LVH or intracardiac mass.
6. Normal RV functions. IVC normal.
7. Tissue Doppler imaging shows normal myocardial systolic velocities.

DR. (COL.) S. K. PARASHAR
SENIOR CONSULTANT CARDIOLOGIST
& CHIEF, NON-INVASIVE CARDIOLOGY

This is only a professional opinion on the day of echo and not the final diagnosis. It should be clinically interpreted by the clinician.

The Heart Centre

2 Ring Road, Lajpat Nagar-IV, NEW Delhi - 110024, Tel:011-40044312/15, 9953-139-139

Email:heartcentredelhi@gmail.com

Final Investigation Report

Patient Name: Mr. Zahid Husain

Request No.: 19061

Collected : 11/10/2023 14:02:28

Age/Sex: 78 Y / M

Doctor: Dr. M Khalilullah

Received : 11/10/2023 14:04:11

UHID: 2023001177

Reported : 11/10/2023 14:07:13

Test Name	Result	Normal Range	Unit	Method Name/Type
URINE EXAMINATION				
URINE EXAMINATION				
PHYSICAL EXAMINATION				
• Quantity	20ml	-		
• Colour	p.yellow	-		
• Transparency	clear	-		
• PH. (Reaction)	acidic	-		
CHEMICAL EXAMINATION				
• Sugar	nil	-		
• Albumin	nil	-		
MICROSCOPIC EXAMINATION				
• Pus Cells	0-1	-		
• Epithelial Cells	0-1	-		

-----End of Report-----

Verified By
Raees

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Raees

The Heart Centre

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Email:heartcentredelhi@gmail.com

Final Investigation Report

Patient Name: Mr. Zahid Husain

Request No.: 19061

Collected : 11/10/2023 14:02:36

Age/Sex: 78 Y / M

Doctor: Dr. M Khalilullah

Received : 11/10/2023 14:04:12

UHID: 2023001177

Reported : 11/10/2023 14:08:13

Test Name	Result	Normal Range	Unit	Method Name/Type
BIOCHEMISTRY				
BLOOD CHEMISTRY				
• Blood Sugar Random	217	80-140	mg/dl	
• Blood Urea	36	15-45	mg/dl	
• Serum Creatinine	1.28	0.5-1.4	mg/dl	
• Uric Acid	7.2	3.0-7.0	mg/dl	
LIPID PROFILE				
• T.Cholesterol	161	150-250	mg/dl	
• HDL Cholesterol	46	30-70	mg/dl	
• LDL Cholesterol	89	65-180	mg/dl	
• VLDL Cholesterol	26	2-40	mg/dl	
• Triglyceride (TG)	132	50-200	mg/dl	

-----End of Report-----

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Raees

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10/11/2023, 2:15 PM

The Heart Centre

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Email:heartcentredelhi@gmail.com

Final Investigation Report

Patient Name: Mr. Zahid Husain
Request No.: 19058
Collected : 10/10/2023 17:29:53

Age/Sex: 78 Y / M
Doctor: Dr. M Khalilullah
Received : 10/10/2023 17:30:14

UHID: 2023001177

Reported : 10/10/2023 17:30:34

Test Name	Result	Normal Range	Unit	Method Name/Type
BIOCHEMISTRY				
Blood Urea	38	15-45	mg/dl	/
Serum Creatinine	1.18	0.5-1.4	mg/dl	/

-----End of Report-----

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Raees

The Heart Centre

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 Email:heartcentredelhi@gmail.com

Final Investigation Report

Patient Name: Mr. Zahid Husain
 Request No.: 19055
 Collected : 10/10/2023 16:39:41

Age/Sex: 78 Y / M
 Doctor: Dr. M Khalilullah
 Received : 10/10/2023 16:40:22

UHID: 2023001177

Reported : 10/10/2023 16:42:00

Test Name	Result	Normal Range	Unit	Method Name/Type
HAEMATOLOGY				
Bleeding Time (B.T)	2.35	-		/
Clotting Time (C.T)	5.10	-		/
Blood Group	B - POSITIVE	-		/
Prothrombin Time (P.T)				
• Test	13.9	-		
• Control	13.0	-		
• PR	1.0	-		
• INR	1.0	-		

-----End of Report-----

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The Heart Centre

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Email:heartcentredelhi@gmail.com

Final Investigation Report

Patient Name: Mr. Zahid Husain
Request No.: 19055
Collected : 10/10/2023 16:39:25

Age/Sex: 78 Y / M
Doctor: Dr. M Khalilullah
Received : 10/10/2023 16:40:15

UHID: 2023001177

Reported : 10/10/2023 16:41:01

Test Name	Result	Normal Range	Unit	Method Name/Type
SEROLOGY & IMMUNOLOGY				
HIV I & II	NEGATIVE	-		/
Hbs Ag	NEGATIVE	-		/
Anti HCV	NEGATIVE	-		/

-----End of Report-----

Verified By
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The Heart Centre

2, Ring Road, Lajpat Nagar-IV, New Delhi - 110024, Tel. : 011-40044312, 40044313, 40044314, 40044315
E-mail : heartcentre7862012@yahoo.com Website : www.theheartcentre.in.net

11110123
Mr. Zahid Hussain
78y/m

ΔCAD

HTN

C/O: Recent onset of DOE

& Angina -

Chronic constipation -

Gastritis & bloated abdomen

O/E: Chest - Blk clear

CVS: S, S 2 @ no added S and -

Ach PT. GE stable concious oriented

- USG whole abdomen -

- Renal artery doppler.

mm

The Heart Centre

Dr. M. Khalilullah

- M.D. (Med) D.M. (Card) D.Sc. (Med) Honoris Causa
- Former Hon. Professor, The Cromwell Hospital, London
- Former Member, Scientific Council, American Heart Association
- Former Director, G.B. Pant Hospital, New Delhi
- Former Hon. Physician to The President of India
- Awarded Padma Shri by The President of India, 1984
- Awarded Padma Bhushan by The President of India, 1990

2, Ring Road, Lajpat Nagar - IV
New Delhi - 110 024
Tel.: 011-40044312, 313, 314, 315

10/10/23
← ECG

M. Zahid Hussain
BP 180/90 - 190/100

HTN + CAD
LAD 80%
CT done
7/10/23

PTCA + ST CAD

T. b
T. b

stroke of line 5 mm
Telma 40 mg qd

ASCT DT
strep culture

loading anti platelets

BP 140/90 150/100

Admission
CCU

for
intercourse



COLOR DOPPLER ECHOCARDIOGRAPHY REPORT

Date: 28-09-2023

Patient : Mr. Zahid Husain	Age : 78 Yrs.	Sex : M
Referred By : Dr. Kashif Raza, M.D (TB & Chest)		

Summary:

- No Regional Wall Motion Abnormality.
- Left Ventricular Ejection Fraction- $60\pm 3\%$.
- Mild Concentric Left Ventricular Hypertrophy. Normal Other Chambers Dimensions.
- Cardiac Valves Structurally Normal.
- Mitral Inflow Pattern (A>E).
- No Intra Cardiac Clot, Vegetation, Pericardial Effusion.
- Interatrial & Interventricular Septum Intact.

Final Impression:

1. No Regional Wall Motion Abnormality.
2. Left Ventricular Ejection Fraction- $60\pm 3\%$.
3. Mild Concentric Left Ventricular Hypertrophy.
4. LV Diastolic Dysfunction (Gr.I).


Dr. Akhil Kaushik
M.D, D.M (Cardiology)
HOD & Chief Consultant Cardiologist

SRI SAI HOSPITAL

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MR ZAHID HUSAIN

2309209

Exam Date: 28/09/2023



MEASUREMENTS

	Normal		Patient
LVIDd:	(3.7-5.6 cm)	:	4.0 cm.
LVIDs:	(2.2-4.0 cm)	:	2.0 cm.
RVIDd:	(1.8-2.8 cm)	:	2.1 cm.
IVSd:	(0.7-1.2 cm)	:	1.3 cm.
IVSs:	(1.3-2.0 cm)	:	1.7 cm.
LVPWd:	(0.5-1.0 cm)	:	1.3 cm.
LVPWs:	(1.3-2.0 cm)	:	1.8 cm.
AO:	(2.0-3.7 cm)	:	2.9 cm.
LA:	(1.9-4.0cm)	:	3.0 cm.
EFLV:	(>55%)	:	60±3%.

ATRIAL SEPTUM	:	Intact	THROMBUS	:	-
VENTRICULAR SEPTUM	:	Intact	TUMOR	:	-
PDA	:	abs.	PERICARDIAL EFFUSION	:	-

VALVES

MITRAL

THICKENING	:	abs.	STENOSIS	:	abs.
CALCIFICATION	:	abs.	AREA	:	abs.
VEGETATION	:	abs.	REGURGITATION	:	abs.
VELOCITY (cm/s)	:	E=60, A=108	SAM	:	abs.
GRADIENT (mmHg)	:	-	PROLAPSE	:	abs.

AORTIC

THICKENING	:	abs.	VEGETATION	:	abs.
CALCIFICATION	:	abs.	GRADIENT (mmHg)	:	-
UNI/BI/TRICUSPID	:	Tricuspid	STENOSIS	:	abs.
VELOCITY (cm/s)	:	107	REGURGITATION	:	abs.

TRICUSPID

THICKENING	:	abs.	STENOSIS	:	abs.
CALCIFICATION	:	abs.	REGURGITATION	:	abs.
VEGETATION	:	abs.	PULMONARY ARTERY	:	-
VELOCITY (cm/s)	:	66	SYS PRESSURE	:	-
GRADIENT (mmHg)	:	-			

PULMONARY

THICKENING	:	abs.	STENOSIS	:	abs.
CALCIFICATION	:	abs.	REGURGITATION	:	abs.
VEGETATION	:	abs.	PULMONARY ARTERY	:	-
VELOCITY (cm/s)	:	95	DIAS. PRESSURE	:	-
GRADIENT (mmHg)	:	-			

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JIGYASA PATHOLOGY LAB

An Iso 9001:2015 certified Lab

B-45, Near Raja Ram Dharam Shala, Gandhi Nagar, Moradabad, Phone : 0591-2490044

Timing : 9 A.M. to 9 P.M.
Sunday : 9 A.M to 2 P.M

Dr. Z. Khan

M.B.B.S., M.D. (Path)
(Consultant Pathologist)
Mob.: 9756601192, 9917646548

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and Advanced Technology

Date : 14/09/2023 Lab. Ref. No. : 87
 Patient's Name : Mr. ZAHID HUSAIN (OPD) Age / Sex : 78 Yrs. /Male
 Referred by : Dr.Dr. C. P. SINGH M.B.B.S., M. D (Medicine)

TEST NAME	RESULTS	UNITS	NORMAL-RANGE
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HAEMATOLOGY

COMPLETE BLOOD COUNT (CBC)

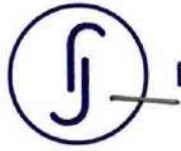
HAEMOGLOBIN	14.8	gm%	13.0-16.5
TOTAL LEUCOCYTE COUNT	7600	/Cu mm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT			
Neutrophils	63	%.	40-70
Lymphocytes	35	%.	20-40
Eosinophils	01	%.	1-6
Monocytes	01	%.	1-10
TOTAL R. B. C. COUNT	5.18	Million/cumm	4.5 - 6.5
P.C.V./Haematocrit Value	45.7	%.	32 - 54
M.C.V.	88.3	fL	76 - 101.0
M C H	28.6	pg	27 - 32
M C H C	32.4	g/dl	31-35
RDW	14.3	%	11.5-14.5
PLATELET COUNT	1.66	Lacs/cumm	1.50 - 4.50

BIOCHEMISTRY

SERUM BILIRUBIN

TOTAL	1.0	mg/dL.	0.2-1.0
DIRECT	0.4	mg/dL.	0.1-0.4
INDIRECT	0.6	mg/dL.	0.2-0.7
S.G.P.T.	24.9	IU/L	9 - 43
S.G.O.T.	19.3	U/L	8 - 42

Signature



Patient name	Mr. ZAHID HUSSAIN	Age/Sex	78 Years / Male
Patient ID	49841	Visit No	1
Referred by	Dr. HEART CENTER	Visit Date	11/10/2023

ULTRASOUND ABDOMEN

The liver is normal in size and outline. It shows homogenous parenchymal echotexture. IHBR are not dilated.

The gall bladder is adequately distended and shows normal contents. No definite calculus is seen. The CBD measures 4 mm.

The pancreas and spleen are normal.

The kidneys are normal in size and outline. The CM differentiation is maintained.

No calculus/ hydronephrosis is seen on either side. A 33x31mm septate cystic area seen along lower pole of left kidney .

RK-106x4.6cm (cortical thickness 8 mm)

LK- 10.5x4.6cm (cortical thickness 6 mm)

No free fluid/ lymph nodes are seen.

The urinary bladder is normal.

The prostate is enlarged. It measures 44x42x39 mm with a weight of 39 grams.

post void residue was 15 cc

This is only a professional opinion and not the final diagnosis. It should be clinically interpreted by referring clinician

Non Valid for Medico-Legal purpose

E-343 C Ground Floor Greater Kailash Part- 1, Near Gurudwara New Delhi 110048 11/10/23 11:48 AM

T: 011 46511977 011 46511978, 011 45693972 M: 9810483021 9899060289 E: sunjeetjolly@gmail.com

Timing : Sunday 10.00 AM to 12.00 PM For Ultrasound by Appointment

www.drjollydiagnostics.com



NAME MR. ZAHID HUSSAIN

AGE/SEX 78/M

DATE 11.10.2023

Investigation : COLOUR DUPLEX EXAMINATION: RENAL VESSELS

Renal Parameters

Artery	Renal Size	PSV (<180cm/sec)	EDV cm/sec	RI (0.56-0.70)	PI (0.7-1.4)	Spectrum
Right	10.6x4.6cm P 8.0mm	48.0	12.0	0.73	1.28	Sharp upstroke, clean window
Left	10.5X4.6cm P 6.0mm	82.0	18.0	0.78	1.68	Sharp upstroke, clean window

This is only a professional opinion and not the final diagnosis. It should be clinically interpreted by referring clinician

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Intrarenal Parameters

Interlobar Artery	PSV	EDV	RI	
	cm/sec	cm/sec		
Right	53.0	15.0	0.70	
Left	11.0	0.74	0.74	

PSV: Peak Velocity; EDV: End Diastolic Velocity; RI: Resistive Index; PI: Pulsatility Index AT: Acceleration Time

Renal Arteries:

Both renal arteries showed a rapid systolic upstroke, a gradual decay, but with persistent forward flow in diastole. A clear spectral window and a smooth down slope to diastole is seen. The arteries were sampled at the origin from the aorta as well as distally near the hilum. There was no evidence of any obstruction or stenosis, neither any turbulence noted on colour flow imaging.

Intrarenal Vessels:

The segmental, intralobar and the arcuate vessels were examined on both sides, and the sample volume was placed in the intralobar vessels to obtain a minimum Doppler angle between the flow and the beam. Both kidneys showed adequate perfusion, and there is low resistance flow with continuous diastolic flow on either side. No evidence of "tardus parvus" pattern seen. Acceleration Time (AT) and Acceleration Index (AI) appear within normal limits on either side.

Conclusion:

The renal vascular colour duplex examination was done on both sides. Both renal arteries were identified from their origin and towards their entry into the renal hilum. The peak systolic velocities throughout the length were found to be within normal limits. The intrarenal vessels were evaluated for indirect signs of Renal Artery Stenosis. **The Resistive Indices were found to be mildly elevated which could be reflective of early nephropathic changes. No definite evidence of renal artery stenosis.**



This is only a professional opinion and not the final diagnosis. It should be clinically interpreted by referring clinician

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