

## NON INVASIVE CARDIOLOGY

Patient Name	: MR. NIRAJ SUMAN	IPD No.	:	
Age	: 41 Yrs 3 Mth	UHID	:	APH000015363
Gender	: MALE	Bill No.	:	APHHC230000684
Ref. Doctor	: MEDIWHEEL	Bill Date	:	10-06-2023 08:59:57
Ward	:	Room No.	:	
		Procedure Date	:	10-06-2023 16:26:28

### ECHOCARDIOGRAPHY COLOUR DOPPLER REPORT

#### M MODE STUDY (MEASUREMENTS)

##### Left Ventricle:-

EDD:	38	(mm)	Left Atrium	29	(mm)
ESD:	30	(mm)	Aortic Root	26	(mm)
IVS Thickness (D/S)	0.9/1.1	(mm)	Right Ventricle (TAPSE)	21	(mm)
LVPW Thickness	0.9/1.1	(mm)	Pericardium		NORMAL
LVEF	60	(%)			

##### WALL MOTION STUDY : NO RWMA


MV	: NORMAL	TV	: NORMAL
AV	: NORMAL	PV	: NORMAL
IAS	: NORMAL	IVS	: NORMAL

#### DOPPLER STUDY (PW/CW AND COLOUR FLOW IMAGING)

VALVES	V max(m/sec)	PG MG EDG (mm Hg)	Orifice Area (cm <sup>2</sup> )	REGURGITATION
MV E/A	0.71/0.62			MR:-NIL
AV	1.19	5.66		AR:- NIL
TV	0.96	3.42		TR:- NIL
PV	0.90	3.22		PR:- NIL

##### IMPRESSION:-

No RWMA.  
Normal Cardiac Chamber Dimensions.  
Normal LV/RV Systolic Function, LVEF-60%.  
No LA-LAA Clot/ Vegetation/ Pericardial Effusion.

  
DR. ADITYA KUMAR.  
MD, DM (CARDIOLOGY)  
CONSULTANT CARDIOLOGIST

**DEPARTMENT OF RADIO-DIAGNOSIS & IMAGING**

Report : ULTRASOUND

Patient Name	: MR. NIRAJ SUMAN	IPD No.	:	
Age	: 41 Yrs 3 Mth	UHID	:	APH000015363
Gender	: MALE	Bill No.	:	APHHC230000684
Ref. Doctor	: MEDIWHEEL	Bill Date	:	10-06-2023 08:59:57
Ward	:	Room No.	:	
		Print Date	:	10-06-2023 11:33:10

**WHOLE ABDOMEN:**

Both the hepatic lobes are normal in size and shows moderate increase in parenchymal echogenicity S/O grade II fatty liver infiltration. (Liver measures 12.9 cm).

No focal lesion seen. Intrahepatic biliary radicals are not dilated.

Portal vein is normal in calibre.

Gall bladder is well distended. Wall thickness is normal. No calculus seen.

CBD is normal in calibre.

Pancreas is normal in size and echotexture.

Spleen is normal in size (10.3 cm) and echotexture.

Both kidneys are normal in size and echotexture (Right kidney (9.4 cm), Left kidney (10.8 cm). Cortico-medullary distinction is maintained. No calculus or hydronephrosis seen.

Urinary bladder appears normal.

Prostate appears normal in size (Vol. 14.5 cc), outline and echotexture.

No free fluid or collection seen. No basal pleural effusion seen.

No significant lymphadenopathy seen.

No dilated bowel loop seen.

**IMPRESSION:**

- Grade II fatty infiltration of liver.

*Please correlate clinically.....*

.....End of Report.....

Prepare By.  
MD.SERAJ

DR. MUHAMMAD SERAJ, MD,FRCR  
(London) Radiodiagnosis  
CONSULTANT

**Note :** The information in this report is based on interpretation of images. This report is not the diagnosis and should be correlated with clinical details and other investigation.

## DEPARTMENT OF RADIO-DIAGNOSIS & IMAGING

Report : XRAY

Patient Name	: MR. NIRAJ SUMAN	IPD No.	:	
Age	: 41 Yrs 3 Mth	UHID	:	APH000015383
Gender	: MALE	Bill No.	:	APHHC230000684
Ref. Doctor	: MEDIWHEEL	Bill Date	:	10-06-2023 08:59:57
Ward	:	Room No.	:	
		Print Date	:	10-06-2023 11:19:35

### CHEST PA VIEW:

Cardiac shadow appears normal.

Both lung fields appear clear.

Both domes of diaphragm and both CP angles are clear.

Both hila appear normal.

Soft tissues and bony cage appear normal.

**Please correlate clinically.**

.....End of Report.....

Prepare By.  
MD.SERAJ

DR. MUHAMMAD SERAJ, MD,FRCR  
(London) Radiodiagnosis  
CONSULTANT

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**FINAL REPORT**

Bill No.	: APHHC230000684	Bill Date	: 10-06-2023 08:59
Patient Name	: MR. NIRAJ SUMAN	UHID	: APH000015363
Age / Gender	: 41 Yrs 3 Mth / MALE	Patient Type	: OPD <span style="float:right">If PHC : </span>
Ref. Consultant	: MEDIWHEEL	Ward / Bed	: /
Sample ID	: APH23014994	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 10:27
		Reporting Date & Time	: 10-06-2023 19:39

**SEROLOGY REPORTING**

Test (Methodology)	Flag	Result	UOM	Biological Reference Interval
<i>Sample Type: Serum</i>				
<b>MEDIWHEEL FULL BODY HEALTH CHECKUP _MALE(ABOVE 40)@2550</b>				
PROSTATIC SPECIFIC ANTIGEN(TOTAL) (ELFA)		0.32	ng/mL	0 - 4

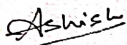
Note:  
 TPSA as a Tumor marker is used as an additional test for prognosis and monitoring of therapy for patients with diagnosed malignant tumors. It may offer a diagnostic value for screening patients with suspected malignancies, as high values may be experienced in situations like benign prostatic hyperplasia, prostatitis, bladder catheterisation, urinary retention, endoscopic examination. Value in between 4-10ng/ml may be an indication of Benign Prostate Hyperplasia or prostate Carcinoma, values greater than 10ng/ml may indicate high risk of Carcinoma.

The test has been carried out in Fully Automated Immunoassay System VIDAS using ELFA (Enzyme Linked Fluorescence Assay) technology.

**\*\* End of Report \*\***

**IMPORTANT INSTRUCTIONS**

CL - Critical Low, CH - Critical High, H - High, L - Low



**DR. ASHISH RANJAN SINGH**  
 MBBS,MD  
 CONSULTANT

**FINAL REPORT**

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Ref. Consultant	: MEDIWHEEL	Ward / Bed	: /
Sample ID	: APH23014994	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 10:27
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Sample Type: Serum

**MEDIWHEEL FULL BODY HEALTH CHECKUP \_MALE(ABOVE 40)@2550**

**THYROID PROFILE (FT3+FT4+TSH)**

FREE-TRI IODO THYRONINE (FT3) (ECLIA)	3.35	pg/mL	2.0-4.4
FREE -THYROXINE (FT4) (ECLIA)	1.21	ng/dL	0.9-1.7
THYROID STIMULATING HORMONE (TSH) (ECLIA)	1.63	mIU/L	0.27-4.20

**\*\* End of Report \*\***

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*Ashish*

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**FINAL REPORT**

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Patient Name	: MR. NIRAJ SUMAN	UHID	: APH000015363
Age / Gender	: 41 Yrs 3 Mth / MALE	Patient Type	: OPD If PHC :
Ref. Consultant	: MEDIWHEEL	Ward / Bed	: /
Sample ID	: APH23015041	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 15:07
		Reporting Date & Time	: 10-06-2023 17:19

**BIOCHEMISTRY REPORTING**

Test (Methodology)	Flag	Result	UOM	Biological Reference Interval
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Sample Type: EDTA Whole Blood, Plasma, Serum

**MEDIWHEEL FULL BODY HEALTH CHECKUP\_MALE(ABOVE 40)@2550**

BLOOD UREA (Urease-GLDH,Kinetic)		31	mg/dL	15 - 45
BUN (CALCULATED)		14.5	mg/dL	7 - 21
CREATININE-SERUM (Modified Jaffe s Kinetic)	L	0.6	mg/dL	0.9 - 1.3
GLUCOSE-PLASMA (FASTING) (UV Hexokinase)		104.0	mg/dL	70 - 100

Note: A diagnosis of diabetes mellitus is made if fasting blood glucose exceeds 126 mg/dL.  
 (As per American Diabetes Association recommendation)

GLUCOSE-PLASMA (POST PRANDIAL) (UV Hexokinase)		117.0	mg/dL	70 - 140
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Note: A diagnosis of diabetes mellitus is made if 2 hour post load glucose exceeds 200 mg/dL.  
 (As per American Diabetes Association recommendation)

**LIPID PROFILE**

CHOLESTROL-TOTAL (CHO-POD)	H	194	mg/dL	0 - 160
HDL CHOLESTROL (Enzymatic Immunoinhibition)		42	mg/dL	>40
CHOLESTROL-LDL DIRECT (Enzymatic Selective Protection)	H	110	mg/dL	0 - 100
S.TRIGLYCERIDES (GPO - POD)	H	362	mg/dL	0 - 160
NON-HDL CHOLESTROL	H	152.0	mg/dL	0 - 125
TOTAL CHOLESTROL / HDL CHOLESTROL		4.6		½Average Risk <3.3 Average Risk 3.3-4.4 2 Times Average Risk 4.5-7.1 3 Times Average Risk 7.2-11.0
LDL CHOLESTROL / HDL CHOLESTROL		2.6		½Average Risk <1.0 Average Risk 1.0-3.6 2 Times Average Risk 3.7-6.3 3 Times Average Risk 6.4-8.0
CHOLESTROL-VLDL	H	72	mg/dL	10 - 35

**Comments:**

- Disorders of Lipid metabolism play a major role in atherosclerosis and coronary heart disease.
- There is an established relationship between increased total cholesterol & LDL cholesterol and myocardial infarction.
- HDL cholesterol level is inversely related to the incidence of coronary artery disease.
- Major risk factors which adversely affect the lipid levels are:
  - Cigarette smoking.
  - Hypertension.
  - Family history of premature coronary heart disease.
  - Pre-existing coronary heart disease.

**LIVER FUNCTION TESTS (LFT)**

BILIRUBIN-TOTAL (DPD)		0.94	mg/dL	0.2 - 1.0
BILIRUBIN-DIRECT (DPD)		0.14	mg/dL	0 - 0.2
BILIRUBIN-INDIRECT		0.80	mg/dL	0.2 - 0.8
S.PROTEIN-TOTAL (Buret)		7.7	g/dL	6 - 8.1




**FINAL REPORT**

Bill No. :	APHHC230000604	Bill Date :	10-06-2023 08:59
Patient Name :	MR. NIRAJ SUMAN	UHID :	APH000015383
Age / Gender :	41 Yrs 3 Mth / MALE	Patient Type :	OPD <input type="checkbox"/> IPD <input type="checkbox"/>
Ref. Consultant :	MEDIWHEEL	Ward / Bed :	/
Sample ID :	APH23015041	Current Ward / Bed :	/
		Receiving Date & Time :	10-06-2023 15:07
		Reporting Date & Time :	10-06-2023 17:19

ALBUMIN-SERUM (Type Binding Protein) (Green)		4.4	g/dL	
S.GLOBULIN		3.3	g/dL	2.8-3.8
A/G RATIO	L	1.33		1.5 - 2.5
ALKALINE PHOSPHATASE (ICE AND BUFFER)		112.8	IU/L	53 - 128
ASPARTATE AMINO TRANSFERASE (SGOT) (ICE)	H	51.3	IU/L	10 - 42
ALANINE AMINO TRANSFERASE (SGPT) (ICE)	H	78.0	IU/L	10 - 40
GAMMA-GLUTAMYLTRANSPEPTIDASE (ICE)		38.2	IU/L	11 - 50
LACTATE DEHYDROGENASE (ICE, LAP)		218.0	IU/L	0 - 248
S.PROTEIN-TOTAL (Biom)		7.7	g/dL	5 - 8.1
URIC ACID (Micro - Turbid)		6.7	mg/dL	2.6 - 7.2

\*\* End of Report \*\*

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**FINAL REPORT**

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Patient Name	: MR. NIRAJ SUMAN	UHID	: APH000015363
Age / Gender	: 41 Yrs 3 Mth / MALE	Patient Type	: OPD <input type="checkbox"/> If PHC <input type="checkbox"/>
Ref. Consultant	: MEDIWHEEL	Ward / Bed	: /
Sample ID	: APH23015041	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 15:07
		Reporting Date & Time	: 10-06-2023 17:19

Sample Type: EDTA Whole Blood, Plasma, Serum

**MEDIWHEEL FULL BODY HEALTH CHECKUP \_MALE(ABOVE 40)@2550**

HBA1C (Turbidimetric Immuno-inhibition)	5.2	%	4.0 - 6.2
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**INTERPRETATION:**

HbA1c %	Degree of Glucose Control
>8%	Action suggested due to high risk of developing long term complications like Retinopathy, Nephropathy, Cardiopathy and Neuropathy
7.1 - 8.0	Fair Control
<7.0	Good Control

- Note:
1. A three monthly monitoring is recommended in diabetics.
  2. Since HbA1c concentration represents the integrated values for blood glucose over the preceding 6 - 10 weeks and is not affected by daily glucose fluctuation, exercise and recent food intake, it is a more useful tool for monitoring diabetics.

**\*\* End of Report \*\***

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*Ashish*

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Age / Gender	: 41 Yrs 3 Mth / MALE	Patient Type	: OPD If PHC :
Ref. Consultant	: MEDIWHEEL	Ward / Bed	: /
Sample ID	: APH23014990	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 10:27
		Reporting Date & Time	: 10-06-2023 13:17

**HAEMATOLOGY REPORTING**

Test (Methodology)	Flag	Result	UOM	Biological Reference Interval
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Sample Type: EDTA Whole Blood

MEDIWHEEL FULL BODY HEALTH CHECKUP \_MALE(ABOVE 40)@2550

**CBC -1 (COMPLETE BLOOD COUNT)**

TOTAL LEUCOCYTE COUNT (Flow Cytometry)		9.2	thousand/cumm	4 - 11
RED BLOOD CELL COUNT (Hydro Dynamic Focussing)		4.7	million/cumm	4.5 - 5.5
HAEMOGLOBIN (SLS Hb Detection)	L	12.9	g/dL	13 - 17
PACK CELL VOLUME (Cumulative Pulse Height Detection)	L	38.5	%	40 - 50
MEAN CORPUSCULAR VOLUME	L	81.4	fL	83 - 101
MEAN CORPUSCULAR HAEMOGLOBIN		27.2	pg	27 - 32
MEAN CORPUSCULAR HAEMOGLOBIN CONCENTRATION		33.5	g/dL	31.5 - 34.5
PLATELET COUNT (Hydro Dynamic Focussing)		164	thousand/cumm	150 - 400
RED CELL DISTRIBUTION WIDTH (S.D - RDW) (Particle Size Distribution)		44.2	fL	39 - 46
RED CELL DISTRIBUTION WIDTH (C.V.)	H	15.1	%	11.6 - 14

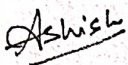
**DIFFERENTIAL LEUCOCYTE COUNT**

NEUTROPHILS		66	%	40 - 80
LYMPHOCYTES		25	%	20 - 40
MONOCYTES		4	%	2 - 10
EOSINOPHILS		5	%	1 - 5
BASOPHILS		0	%	0 - 1
ESR (Westergren)	H	42	mm 1st hr	0 - 10

**\*\* End of Report \*\***

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**FINAL REPORT**

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Age / Gender	: 41 Yrs 3 Mth / MALE	Patient Type	: OPD <span style="float:right">If PHC : </span>
Ref. Consultant	: MEDIWHEEL	Ward / Bed	: /
Sample ID	: APH23014991	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 10:27
		Reporting Date & Time	: 10-06-2023 20:59

**BLOOD BANK REPORTING**

Test (Methodology)	Flag	Result	UOM	Biological Reference Interval
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Sample Type: EDTA Whole Blood

**MEDIWHEEL FULL BODY HEALTH CHECKUP\_MALE(ABOVE 40)@2550**

BLOOD GROUP (ABO)	"O"
RH TYPE	POSITIVE

**\*\* End of Report \*\***

**IMPORTANT INSTRUCTIONS**

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**FINAL REPORT**

Bill No.	: APHHC230000684	Bill Date	: 10-06-2023 08:59
Patient Name	: MR. NIRAJ SUMAN	UHID	: APH000015383
Age / Gender	: 41 Yrs 3 Mth / MALE	Patient Type	: OPD <span style="float:right">IF PHC :</span>
Ref. Consultant	: MEDIWHEEL	Ward / Bed	: /
Sample ID	: APH23015061	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 15:48
		Reporting Date & Time	: 10-06-2023 16:58

**CLINICAL PATH REPORTING**

Test (Methodology)	Flag	Result	UOM	Biological Reference Interval
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Sample Type: Urine

**MEDIWHEEL FULL BODY HEALTH CHECKUP \_MALE(ABOVE 40)@2550**

**URINE, ROUTINE EXAMINATION**

**PHYSICAL EXAMINATION**

QUANTITY		25 mL		
COLOUR		Pale yellow		Pale Yellow
TURBIDITY		Slight hazy		

**CHEMICAL EXAMINATION**

PH (Double pH Indicator method)		6.0		5.0 - 8.5
PROTEINS (Protein-error-of-indicators)		Negative		Negative
SUGAR (GOD POD Method)		Negative		Negative
SPECIFIC GRAVITY, URINE (Apparent pKa change)		1.030		1.005 - 1.030

**MICROSCOPIC EXAMINATION**

LEUCOCYTES		1-2	/HPF	0 - 5
RBC's		Nil		
EPITHELIAL CELLS		1-2		
CASTS		Nil		
CRYSTALS		Nil		
URINE-SUGAR		NEGATIVE		

**\*\* End of Report \*\***

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MBBS,MD  
CONSULTANT



**Patient Details**      Date: 10-Jun-23      Time: 1:14:09 PM  
**Name:** MR.NIRAJ SUMAN    ID: APH000015363  
**Age:** 41 y      Sex: M      Height: 155 cms      Weight: 67 Kgs  
**Clinical History:**

**Medications:**

**Test Details**

**Protocol:** Bruce      Pr.MHR: 179 bpm      THR: 161 (90 % of Pr.MHR) bpm  
**Total Exec. Time:** 7 m 59 s      Max. HR: 139 ( 78% of Pr.MHR )bpm      Max. Mets: 10.20  
**Max. BP:** 140 / 90 mmHg      Max. BP x HR: 19460 mmHg/min      Min. BP x HR: 6080 mmHg/min  
**Test Termination Criteria:**

**Protocol Details**

Stage Name	Stage Time (min : sec)	Mets	Speed (Km/h)	Grade (%)	Heart Rate (bpm)	Max. BP (mm/Hg)	Max. ST Level (mm)	Max. ST Slope (mV/s)
Supine	1 : 13	1.0	0	0	77	120 / 80	-5.82 V3	-5.49 V1
Standing	0 : 14	1.0	0	0	76	120 / 80	-1.01 aVR	1.69 II
Hyperventilation	0 : 27	1.0	0	0	78	120 / 80	-1.27 aVR	1.69 II
1	3 : 0	4.6	2.7	10	113	130 / 80	-1.52 aVR	2.11 II
2	3 : 0	7.0	4	12	119	140 / 90	-1.01 aVF	2.53 II
Peak Ex	1 : 59	10.2	5.4	14	139	140 / 90	-2.28 aVF	3.38 V4
Recovery(1)	2 : 0	1.8	1.6	0	83	140 / 90	-1.52 aVF	2.53 V2
Recovery(2)	2 : 0	1.0	0	0	76	120 / 80	-0.51 aVR	1.69 II
Recovery(3)	0 : 15	1.0	0	0	86	120 / 80	-1.01 aVR	4.64 V1

**Interpretation**

**COMMENTS** :- FAIR EXERCISE (10.20 METS) TOLERANCE.  
 :- NORMAL BP RESPONSE TARGET HEART RATE ACHIEVED.  
 :- NO SIGNIFICANT ST-T SIGEMENT CHANGES SEEN IN LEADS.  
 :- THE TEST TERMINATED DUE TO -HEART RATE ACHIEVED.  
**IMPRESSION** :- THE TEST IS NEGATIVE FOR INDUCIBLE ISCHAEMIA.

Ref. Doctor: DR.NITISH KUMAR RANJAN.

Doctor: Dr.ADITYA KUMAR

( Summary Report edited by user )

Asian City Hospital (A unit of Blue Sapphire Healthcare Pvt. Ltd.) CIN : U74999DL2007PTC159674