

## NON INVASIVE CARDIOLOGY

Patient Name	: MRS. SIMA KUMARI	IPD No.	:
Age	: 29 Yrs	UHID	: APH000015367
Gender	: FEMALE	Bill No.	: APHHC230000689
Ref. Doctor	: mediwheel	Bill Date	: 10-06-2023 09:28:32
Ward	:	Room No.	:
		Procedure Date	: 10-06-2023 16:39:15

### 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	Orifice Area (cm <sup>2</sup> )	REGURGITATION
		(mm Hg)				
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	: MRS. SIMA KUMARI	IPD No.	:	
Age	: 29 Yrs	UHID	:	APH000015367
Gender	: FEMALE	Bill No.	:	APHHC230000689
Ref. Doctor	: mediwheel	Bill Date	:	10-06-2023 09:28:32
Ward	:	Room No.	:	
		Print Date	:	10-06-2023 12:33:30

**WHOLE ABDOMEN:**

Both the hepatic lobes are normal in size and echotexture (Liver measures 12.3 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 (10.2 cm) and echotexture.  
 Both kidneys are normal in size and echotexture (Right kidney (10.0 cm), Left kidney (10.3 cm).  
 Cortico-medullary distinction is maintained. No calculus or hydronephrosis seen.  
 Urinary bladder appears normal.  
 Uterus is anteverted (measures 9.2 x 4.5 x 4.2 cm) and appears normal in size and echotexture. No focal lesion seen. Cervix and vagina are unremarkable.  
 Endometrial echo is central and normal in thickness (11.8 mm).  
 Both ovaries are normal in size and echotexture. Right ovary measures 3.2 x 1.2 cm, left ovary measures 2.5 x 1.4 cm.  
 No free fluid or collection seen. No basal pleural effusion seen.  
 No significant lymphadenopathy seen.  
 No dilated bowel loop seen.

**IMPRESSION: Normal study.**

*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	:	MRS. SIMA KUMARI	IPD No.	:	
Age	:	29 Yrs	UHID	:	APH000015367
Gender	:	FEMALE	Bill No.	:	APHHC230000689
Ref. Doctor	:	mediwheel	Bill Date	:	10-06-2023 09:28:32
Ward	:		Room No.	:	
			Print Date	:	10-06-2023 10:51:52

### 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

**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.

**FINAL REPORT**

Bill No.	: APHHC230000689	Bill Date	: 10-06-2023 09:28
Patient Name	: MRS. SIMA KUMARI	UHID	: APH000015367
Age / Gender	: 29 Yrs / FEMALE	Patient Type	: OPD If PHC :
Ref. Consultant	: mediwheel	Ward / Bed	: /
Sample ID	: APH23015057	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 15:40
		Reporting Date & Time	: 10-06-2023 16:20

**CLINICAL PATH REPORTING**

Test (Methodology)	Flag	Result	UOM	Biological Reference Interval
--------------------	------	--------	-----	-------------------------------

Sample Type: Urine

MEDIWHEEL FULL BODY HEALTH CHECKUP\_FEMALE BELOW40@2550

**URINE, ROUTINE EXAMINATION**
**PHYSICAL EXAMINATION**

QUANTITY		15 mL		
COLOUR		Pale yellow		Pale Yellow
TURBIDITY		Clear		

**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)	L	1.005		1.005 - 1.030

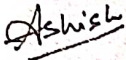
**MICROSCOPIC EXAMINATION**

LEUCOCYTES		2-3	/HPF	0 - 5
RBC's		Nil		
EPITHELIAL CELLS		1-3		
CASTS		Nil		
CRYSTALS		Nil		
URINE-SUGAR		NEGATIVE		

\*\* End of Report \*\*

**IMPORTANT INSTRUCTIONS**

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



DR. ASHISH RANJAN SINGH

MBBS, MD

CONSULTANT

**FINAL REPORT**

Bill No.	: APHHC230000689	Bill Date	: 10-06-2023 09:28
Patient Name	: MRS. SIMA KUMARI	UHID	: APH000015367
Age / Gender	: 29 Yrs / FEMALE	Patient Type	: OPD <input type="checkbox"/> If PHC <input type="checkbox"/>
Ref. Consultant	: mediwheel	Ward / Bed	: /
Sample ID	: APH23014965	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 10:12
		Reporting Date & Time	: 10-06-2023 13:18

**HAEMATOLOGY REPORTING**

Test (Methodology)	Flag	Result	UOM	Biological Reference Interval
--------------------	------	--------	-----	-------------------------------

Sample Type: EDTA Whole Blood

MEDIWHEEL FULL BODY HEALTH CHECKUP\_FEMALE BELOW40@2550

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

TOTAL LEUCOCYTE COUNT (Flow Cytometry)		6.3	thousand/cumm	4 - 11
RED BLOOD CELL COUNT (Hydro Dynamic Focussing)		3.8	million/cumm	3.8 - 4.8
HAEMOGLOBIN (SLS Hb Detection)	L	9.7	g/dL	12 - 15
PACK CELL VOLUME (Cumulative Pulse Height Detection)	L	31.0	%	36 - 46
MEAN CORPUSCULAR VOLUME	L	80.5	fL	83 - 101
MEAN CORPUSCULAR HAEMOGLOBIN	L	25.3	pg	27 - 32
MEAN CORPUSCULAR HAEMOGLOBIN CONCENTRATION	L	31.4	g/dL	31.5 - 34.5
PLATELET COUNT (Hydro Dynamic Focussing)		168	thousand/cumm	150 - 400
RED CELL DISTRIBUTION WIDTH (S.D - RDW) (Particle Size Distribution)	H	48.5	fL	39 - 46
RED CELL DISTRIBUTION WIDTH (C.V.)	H	16.8	%	11.6 - 14

**DIFFERENTIAL LEUCOCYTE COUNT**

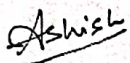
NEUTROPHILS		65	%	40 - 80
LYMPHOCYTES		28	%	20 - 40
MONOCYTES		6	%	2 - 10
EOSINOPHILS		1	%	1 - 5
BASOPHILS		0	%	0 - 1

ESR (Westergren)	H	105	mm 1st hr	0 - 20
------------------	---	-----	-----------	--------

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

**IMPORTANT INSTRUCTIONS**

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



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

**FINAL REPORT**

Bill No.	: APHHC230000689	Bill Date	: 10-06-2023 09:28
Patient Name	: MRS. SIMA KUMARI	UHID	: APH000015367
Age / Gender	: 29 Yrs / FEMALE	Patient Type	: OPD <span style="float:right">If PHC :</span>
Ref. Consultant	: mediwheel	Ward / Bed	: /
Sample ID	: APH23014968	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 10:12
		Reporting Date & Time	: 10-06-2023 16:18

**BIOCHEMISTRY REPORTING**

Test (Methodology)	Flag	Result	UOM	Biological Reference Interval
--------------------	------	--------	-----	-------------------------------

Sample Type: EDTA Whole Blood, Serum

**MEDIWHEEL FULL BODY HEALTH CHECKUP\_FEMALE BELOW40@2550**

BLOOD UREA <small>Urease-GDH kinetic</small>		16	mg/dL	15 - 45
BUN (CALCULATED)		7.5	mg/dL	7 - 21
CREATININE-SERUM <small>(Modified Jaffe s Kinetic)</small>	L	0.5	mg/dL	0.6 - 1.1
GLUCOSE-PLASMA (FASTING) <small>(UV Hexokinase)</small>		87.0	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)

**LIPID PROFILE**

CHOLESTROL-TOTAL (CHO-POD)	H	212	mg/dL	0 - 160
HDL CHOLESTROL <small>Enzymatic Immuno-inhibition</small>		49	mg/dL	>45
CHOLESTROL-LDL DIRECT <small>Enzymatic Selective Protection</small>	H	124	mg/dL	0 - 100
S.TRIGLYCERIDES (GPO-POD)		153	mg/dL	0 - 160
NON-HDL CHOLESTROL	H	163.0	mg/dL	0 - 125
TOTAL CHOLESTROL / HDL CHOLESTROL		4.3		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		2.5		½Average Risk <1.5 Average Risk 1.5-3.2 2 Times Average Risk 3.3-5.0 3 Times Average Risk 5.1-6.1
CHOLESTROL-VLDL		31	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 (DPO)	H	1.27	mg/dL	0.2 - 1.0
BILIRUBIN-DIRECT (DPO)		0.19	mg/dL	0 - 0.2
BILIRUBIN-INDIRECT	H	1.08	mg/dL	0.2 - 0.8
S.PROTEIN-TOTAL (Buret)		7.0	g/dL	6 - 8.1
ALBUMIN-SERUM (Dye Binding-Bromocresol Green)		3.8	g/dL	
S.GLOBULIN		3.2	g/dL	2.8-3.8
A/G RATIO	L	1.19		1.5 - 2.5

**FINAL REPORT**

Bill No.	: APHHC230000689	Bill Date	: 10-06-2023 09:28
Patient Name	: MRS. SIMA KUMARI	UHID	: APH000015367
Age / Gender	: 29 Yrs / FEMALE	Patient Type	: OPD
Ref. Consultant	: mediwheel	Ward / Bed	: /
Sample ID	: APH23014968	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 10:12
		Reporting Date & Time	: 10-06-2023 16:18

ALKALINE PHOSPHATASE (IFCC AMP BUFFER)	H	128.0	IU/L	42 - 98
ASPARTATE AMINO TRANSFERASE (SGOT) (IFCC)		34.9	IU/L	10 - 42
ALANINE AMINO TRANSFERASE (SGPT) (IFCC)		36.6	IU/L	10 - 40
GAMMA-GLUTAMYLTRANSPEPTIDASE (IFCC)		33.5	IU/L	7 - 35
LACTATE DEHYDROGENASE (IFCC; L-P)		164.1	IU/L	0 - 248
S.PROTEIN-TOTAL (Buret)		7.0	g/dL	6 - 8.1
URIC ACID (Uricase - Trinder)		3.7	mg/dL	2.6 - 7.2

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

**IMPORTANT INSTRUCTIONS**

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

*Ashish*

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

**FINAL REPORT**

Bill No.	: APHHC230000689	Bill Date	: 10-06-2023 09:28
Patient Name	: MRS. SIMA KUMARI	UHID	: APH000015367
Age / Gender	: 29 Yrs / FEMALE	Patient Type	: OPD <span style="float:right">If PHC : </span>
Ref. Consultant	: mediwheel	Ward / Bed	: /
Sample ID	: APH23014968	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 10:12
		Reporting Date & Time	: 10-06-2023 16:18

Sample Type: EDTA Whole Blood, Serum

**MEDIWHEEL FULL BODY HEALTH CHECKUP\_FEMALE BELOW40@2550**

HBA1C (Turbidimetric Immuno-inhibition)	5.1	%	4.0 - 6.2
---	-----	---	-----------

**INTERPRETATION:**

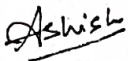
HbA1c %	Degree of Glucose Control
>8%	Action suggested due to high risk of developing long term complications like Retinopathy, Nephropathy, Cardiopathy and Neuropathy
7.1 - 8.0	Fair Control
<7.0	Good Control

- 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 \*\***

**IMPORTANT INSTRUCTIONS**

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



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



**FINAL REPORT**

Bill No.	: APHHC230000689	Bill Date	: 10-06-2023 09:28
Patient Name	: MRS. SIMA KUMARI	UHID	: APH000016367
Age / Gender	: 29 Yrs / FEMALE	Patient Type	: OPD <input type="checkbox"/> If PHC <input type="checkbox"/>
Ref. Consultant	: mediwheel	Ward / Bed	: /
Sample ID	: APH23014969	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 10:12
		Reporting Date & Time	: 10-06-2023 19:39

**SEROLOGY REPORTING**

Test (Methodology)	Flag	Result	UOM	Biological Reference Interval
--------------------	------	--------	-----	-------------------------------

Sample Type: Serum

**MEDIWHEEL FULL BODY HEALTH CHECKUP\_FEMALE BELOW40@2550**

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

FREE-TRI IODO THYRONINE (FT3) (ECLIA)		3.10	pg/mL	2.0-4.4
FREE -THYROXINE (FT4) (ECLIA)		1.00	ng/dL	0.9-1.7
THYROID STIMULATING HORMONE (TSH) (ECLIA)	<b>H</b>	<b>4.73</b>	mIU/L	0.27-4.20

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

**IMPORTANT INSTRUCTIONS**

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

*Ashish*

**DR. ASHISH RANJAN SINGH**

MBBS,MD

CONSULTANT

**FINAL REPORT**

Bill No.	: APHHC230000689	Bill Date	: 10-06-2023 09:28
Patient Name	: MRS. SIMA KUMARI	UHID	: APH000016367
Age / Gender	: 29 Yrs / FEMALE	Patient Type	: OPD <input type="checkbox"/> If PHC <input type="checkbox"/>
Ref. Consultant	: mediwheel	Ward / Bed	: /
Sample ID	: APH23014966	Current Ward / Bed	: /
		Receiving Date & Time	: 10-06-2023 10:12
		Reporting Date & Time	: 10-06-2023 21:01

**BLOOD BANK REPORTING**

Test (Methodology)	Flag	Result	UOM	Biological Reference Interval
--------------------	------	--------	-----	-------------------------------

Sample Type: EDTA Whole Blood

**MEDIWHEEL FULL BODY HEALTH CHECKUP\_FEMALE BELOW40@2550**

BLOOD GROUP (ABO)	"O"
RH TYPE	POSITIVE

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

**IMPORTANT INSTRUCTIONS**

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

*Ashish*

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

**Patient Details**      Date: 10-Jun-23      Time: 2:05:57 PM  
**Name:** MRS.SIMA KUMARI    **ID:** APH000015367  
**Age:** 29 y      **Sex:** F      **Height:** 174 cms      **Weight:** 65 Kgs  
**Clinical History:**

**Medications:**

**Test Details**

**Protocol:** Bruce      **Pr.MHR:** 191 bpm      **THR:** 171 (90 % of Pr.MHR) bpm  
**Total Exec. Time:** 7 m 2 s      **Max. HR:** 183 (96% of Pr.MHR) bpm      **Max. Mets:** 10.20  
**Max. BP:** 140 / 90 mmHg      **Max. BP x HR:** 25620 mmHg/min      **Min. BP x HR:** 8480 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	0 : 14	1.0	0	0	106	120 / 80	-1.01 II	0.84 V4
Standing	0 : 39	1.0	0	0	124	120 / 80	-1.77 V4	-4.22 V4
Hyperventilation	0 : 11	1.0	0	0	121	120 / 80	-1.27 II	0.84 II
1	3 : 0	4.6	2.7	10	162	130 / 80	-2.53 V4	-5.06 V4
2	3 : 0	7.0	4	12	165	140 / 90	-2.03 V5	5.49 V4
Peak Ex	1 : 2	10.2	5.4	14	183	140 / 90	-2.53 aVF	-2.53 V4
Recovery(1)	2 : 0	1.8	1.6	0	133	140 / 90	-2.28 V4	5.49 II
Recovery(2)	2 : 0	1.0	0	0	118	120 / 80	-1.01 II	2.11 II
Recovery(3)	0 : 10	1.0	0	0	114	120 / 80	-1.27 III	-1.27 aVR

**Interpretation**

**COMMENTS**

- :- FAIR EXERCISE (10.20 METS) TOLERANCE.
- :- NORMAL BP RESPONSE TARGET HEART RATE ACHIEVED.
- :- NO SIGNIFICANT ST-T SEGMENT 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