



TMT INVESTIGATION REPORT

Patient Name : Mrs. SURBHI SINHA	Location : Ghaziabad
Age/Sex : 31Year(s)/Female	Visit No : V0000000001-GHZB
MRN No : GHZB-0000180170	Order Date : 22/10/2022
Ref. Doctor : HCP	Report Date : 22/10/2022

Protocol : Bruce **MPHR** : 190BPM
Duration of exercise : 8min 19sec **85% of MPHR** : 160BPM
Reason for termination : THR achieved **Peak HR Achieved** : 161BPM
Blood Pressure (mmHg) : Baseline BP : 112/78mmHg **% Target HR** : 85%
 Peak BP : 140/80mmHg **METS** : 10.1METS

STAGE	TIME (min)	H.R (bpm)	BP (mmHg)	SYMPTOMS	ECG CHANGES	ARRHYTHMIA
PRE- EXC.	0:00	82	112/78	Nil	No ST changes seen	Nil
STAGE 1	3:00	109	120/78	Nil	No ST changes seen	Nil
STAGE 2	3:00	126	130/80	Nil	No ST changes seen	Nil
STAGE 3	2:19	161	140/80	Nil	No ST changes seen	Nil
RECOVERY	3:09	94	130/80	Nil	No ST changes seen	Nil

COMMENTS:

- No ST changes in base line ECG.
- No ST changes at peak.
- No ST changes in 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
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Sr. Consultant Cardiology

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RADIOLOGY REPORT

Name	SURBHI SINHA	Modality	US
Patient ID	GHZB-0000180170	Accession No	1152748
Gender/Age	F / 30Y 8M 4D	Scan Date	22-10-2022 12:45:08
Ref. Phys	Dr. Vinay Bhat	Report Date	22-10-2022 13:28:53

USG ABDOMEN & PELVIS**FINDINGS**

LIVER: Liver is normal in size (measures 130 mm), shape and echotexture. Rest normal.
 SPLEEN: Spleen is normal in size (measures 89 mm), shape and echotexture. Rest normal.
 PORTAL VEIN: Appears normal in size and measures 8.2 mm.
 COMMON BILE DUCT: Appears normal in size and measures 3.5 mm.
 IVC, HEPATIC VEINS: Normal.
 BILIARY SYSTEM: Normal.
 GALL BLADDER: Well distended with normal walls (~2.7mm). Its lumen demonstrates multiple mobile calculi within with the largest one measuring ~ 10.3 mm.
 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 93 x 35 mm.
 Left Kidney: measures 93 x 39 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.
 UTERUS: Uterus is anteverted, normal in size (measures 74 x 41 x 25 mm), shape and echotexture.
 Endometrial thickness measures 6.9 mm. Cervix appears normal.
 OVARIES: Both ovaries are normal in size, shape and echotexture. Rest normal.
 Right ovary measures 29 x 27 x 17 mm with volume 7.2 cc.
 Left ovary measures 30 x 28 x 18 mm with volume 8.1 cc.
 Trace free fluid is seen in cul-de-sac.
 BOWEL: Visualized bowel loops appear normal.

IMPRESSION**-Cholelithiasis.**

Recommend clinical correlation.

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

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This report is subject to the terms and conditions mentioned overleaf

RADIOLOGY REPORT

Name	SURBHI SINHA	Modality	DX
Patient ID	GHZB-0000180170	Accession No	1152749
Gender/Age	F / 30Y 8M 4D	Scan Date	22-10-2022 10:46:06
Ref. Phys	Dr. Vinay Bhat	Report Date	22-10-2022 13:21:13

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 noted.

Recommend clinical correlation.



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LABORATORY REPORT

Name	SURBHI SINHA	Age	30y 8m 4d	Gender	FEMALE
MRN	GHZB-0000180170	Visit No	V0000000001-GHZB		
Lab No	G000333280	Collected On	22/10/2022 10:26AM	Received On	22/10/2022 10:27AM
Referred By	Vinay Bhat	Reported On	22/10/2022 12:44PM		

Test Name	Result	Criticality Factor	Biological Reference Interval	Test Method
GLUCOSE, FASTING (F) (Serum Fasting)	86 mg/dl		70 - 110 mg/dl	

***** END OF REPORT *****

Processed by :- DEEPTI KUMARI

Charu
Registration No: 42422
DR CHARU AGARWAL
CONSULTANT PATHOLOGIST
Pathologist

LABORATORY REPORT

Name	SURBHI SINHA	Age	30y 8m 4d	Gender	FEMALE
MRN	GHZB-0000180170	Visit No	V0000000001-GHZB		
Lab No	G000333290	Collected On	22/10/2022 11:58AM	Received On	22/10/2022 12:01PM
Referred By	Vinay Bhat	Reported On	22/10/2022 3:03PM		

Test Name	Result	Criticality Factor	Biological Reference Interval
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URINE EXAMINATION, ROUTINE (Urine)

PHYSICAL EXAMINATION

Colour	Pale yellow
Appearance	Clear
pH	7.0
Specific gravity	1.005

CHEMICAL EXAMINATION


Glucose	Nil
Protein	Absent
Ketone bodies	Absent
Urobilinogen	Absent

MICROSCOPIC EXAMINATION

Leukocytes	0-1 /HPF
Erythrocytes	NIL
Epithelial Cells	0-1 /HPF
Casts	NIL
Crystals	NIL
Others	NIL

***** END OF REPORT *****

Processed by :- KAPIL GAUR


 MCT-39093
DR ALKA DIXIT VATS
 CONSULANT PATHOLOGIST
 PATHOLOGIST

LABORATORY REPORT

Name	SURBHI SINHA	Age	30y 8m 4d	Gender	FEMALE
MRN	GHZB-0000180170	Visit No	V0000000001-GHZB		
Lab No	G000333319	Collected On	22/10/2022 3:00PM	Received On	22/10/2022 3:00PM
Referred By	Vinay Bhat	Reported On	22/10/2022 4:26PM		

Test Name	Result	Criticality Factor	Biological Reference Interval	Test Method
GLUCOSE, POST PRANDIAL (PP), 2 HOURS (Serum Post Prandial)	89 mg/dl		80 -140 mg/dl	

***** END OF REPORT *****

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Alka
MCT-39093

DR ALKA DIXIT VATS
CONSULTANT PATHOLOGIST
PATHOLOGIST

LABORATORY REPORT

Name	SURBHI SINHA	Age	30y 8m 4d	Gender	FEMALE
MRN	GHZB-0000180170	Visit No	V0000000001-GHZB		
Lab No	G000333281	Collected On	22/10/2022 10:27AM	Received On	22/10/2022 10:27AM
Referred By	Vinay Bhat	Reported On	22/10/2022 4:52PM		

Test Name	Result	Criticality Factor	Biological Reference Interval
BLOOD GROUP (A, B, O) AND RH FACTOR WITH REVERSE GROUPING (Whole Blood)			
BLOOD GROUPING	"B"		
RH TYPING	POSITIVE		

***** END OF REPORT *****

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LABORATORY REPORT

Name	SURBHI SINHA	Age	30y 8m 4d	Gender	FEMALE
MRN	GHZB-0000180170	Visit No	V0000000001-GHZB		
Lab No	G000333281	Collected On	22/10/2022 10:27AM	Received On	22/10/2022 10:27AM
Referred By	Vinay Bhat	Reported On	22/10/2022 12:43PM		

Test Name	Result	Criticality Factor	Biological Reference Interval
ESR (WESTERGREN),AUTOMATED ERYTHROCYTE SEDIMENTATION RATE	31 mm/1st hour		0 - 20 mm/Hr
HEMOGLOBIN, HB	13.4 g/dl		12 - 16 gm/ dl
MEAN CORPUSCULAR HAEMOGLOBIN CONCENTRATION, MCHC	33.5 g/dl		33 - 36%
MEAN CORPUSCULAR HAEMOGLOBIN, MCH	27.1 pg		26 -34 pg
MEAN CORPUSCULAR VOLUME, MCV	81.0 fl		77 - 97 fl
PLATELET COUNT	220 x10 ³ cells/ Cumm		150x10 ³ - 400x10 ³ cells/cumm
RED BLOOD CELLS, RBC COUNT	4.94 million/cu mm		3.8 - 5.3 millions /cumm
RED CELL DISTRIBUTION WIDTH, RDW	14.6 %		11.5 - 14.5 %
LEUCOCYTE COUNT, TOTAL (TLC), AUTOMATED	6.57 x10 ³ cells/ Cumm		4x10 ³ - 11x10 ³ cells/cumm
HEMATOCRIT (HCT)	40.0 %		34 -45%
BASOPHILS	00 %		
EOSINOPHILS	02 %		2 -7 %
LYMPHOCYTES	31 %		17 - 45 %
MONOCYTES	05 %		4 -13%
NEUTROPHILS	62 %		40 - 80%

***** END OF REPORT *****

Processed by :- DEEPTI KUMARI

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 Registration No: 40422
DR CHARU AGARWAL
 CONSULTANT PATHOLOGIST
 Pathologist

Report Printed On: 27/10/2022 10:06AM

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LABORATORY REPORT

Name	SURBHI SINHA	Age	30y 8m 4d	Gender	FEMALE
MRN	GHZB-0000180170	Visit No	V0000000001-GHZB		
Lab No	G000333281	Collected On	22/10/2022 10:27AM	Received On	22/10/2022 10:27AM
Referred By	Vinay Bhat	Reported On	22/10/2022 4:25PM		

Test Name	Result	Criticality Factor	Biological Reference Interval	Test Method
HBA1C (Whole Blood)	5.3 %		Normal: < or = 5.6 % Increased risk for Diabetes (Pre-diabetes): 5.7 – 6.4 % Diabetes: > or = 6.5 % If you are a Diabetic, please consult your doctor for your HbA1c target.	

***** END OF REPORT *****

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Name	SURBHI SINHA	Age	30y 8m 4d	Gender	FEMALE
MRN	GHZB-0000180170	Visit No	V0000000001-GHZB		
Lab No	G000333281	Collected On	22/10/2022 10:27AM	Received On	22/10/2022 10:27AM
Referred By	Vinay Bhat	Reported On	22/10/2022 12:43PM		

Test Name	Result	Criticality Factor	Biological Reference Interval	Test Method
KIDNEY FUNCTION TESTS (Serum)				
UREA	22.6 mg/dl		15 - 40 mg/dl	
CREATININE, SERUM	0.77 mg/dl		0.7 - 1.2 mg/dl	
URIC ACID	6.0 mg/dl		4 - 8.5 mg/dl	
SODIUM, SERUM	136.8 mmol/L		136 - 144 mmol/ L	
POTASSIUM, SERUM	4.38 mmol/L		3.6 - 5.1 mmol/L	
CHLORIDE, SERUM	107.0 mmol/L		101 - 111 mmol/L	
LIPID PROFILE (Serum)				
CHOLESTEROL, TOTAL	194 mg/dl		Upto 200 mg/dl	
TRIGLYCERIDES, SERUM	166 mg/dl		Upto 150 mg/dl	
CHOLESTEROL, HDL, DIRECT	51 mg/dl		35 - 65 mg/dl	
CHOLESTEROL, LDL, DIRECT	110 mg/dl		0 -120 mg/dl	
Cholesterol, VLDL	33 mg/dl		0 - 35 mg/dl	
LIVER FUNCTION TESTS (Serum)				
BILIRUBIN, TOTAL	0.44 mg/dl		0.3 -1.2 mg/dl	
BILIRUBIN, DIRECT	0.09 mg/dl		0 - 0.3 mg/dl	

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Referred By	Vinay Bhat	Reported On	22/10/2022 12:43PM		

Test Name	Result	Criticality Factor	Biological Reference Interval	Test Method
Indirect Bilirubin	0.35		0.1 - 0.3 mg/dl	
TOTAL PROTEIN, SERUM	7.3 g/dl		6.6 - 8.7 g/dl	
ALBUMIN, SERUM	4.47 g/dl			
A/G RATIO (ALBUMIN / GLOBULIN RATIO)	1.58		1:1 - 2.5:1	
GLOBULIN, SERUM	2.8			
SGPT	23 IU/L		14 - 54 IU/L	
SGOT	23 IU/L		0 - 40 IU/L	
GGTP, GGT, GAMMA GT, GAMMA GLUTAMYL TRANSPEPTIDASE	19 IU/L		7 - 50 U/L	
ALKALINE PHOSPHATASE, ALP	71 IU/L		32 - 91 IU/L	

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HCMCT

Manipal Hospitals

LIFE'S ON



Name : MRS SURBHI SINHA
Registration No : RH1542783 RefHosp No. :
GHZB-0000180170
Patient Episode : R03000045093
Referred By : MANIPAL HOSPITALS GHAZIABAD
Receiving Date : 22 Oct 2022 20:40

Age : 30 Yr(s) Sex :Female
Lab No : 32221006986
Collection Date : 22 Oct 2022 20:34
Reporting Date : 23 Oct 2022 14:49

BIOCHEMISTRY

THYROID PROFILE, Serum

T3 - Triiodothyronine (ECLIA)	1.02	ng/ml	[0.70-2.04]
T4 - Thyroxine (ECLIA)	8.83	micg/dl	[4.60-12.00]
Thyroid Stimulating Hormone (ECLIA)	2.000	µIU/mL	[0.340-4.250]

1st Trimester:0.6 - 3.4 micIU/mL
2nd Trimester:0.37 - 3.6 micIU/mL
3rd Trimester:0.38 - 4.04 micIU/mL

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-----

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