



TMT INVESTIGATION REPORT

Patient Name : Mr. MAYANK SINHA	Location : Ghaziabad
Age/Sex : 31Year(s)/male	Visit No : V0000000001-GHZB
MRN No : GHZB-0000180169	Order Date : 22/10/2022
Ref. Doctor : HCP	Report Date : 22/10/2022

Protocol : Bruce **MPHR** : 189BPM
Duration of exercise : 10min 31sec **85% of MPHR** : 160BPM
Reason for termination : THR achieved **Peak HR Achieved** : 161BPM
Blood Pressure (mmHg) : Baseline BP : 118/68mmHg **% Target HR** : 85%
 Peak BP : 136/74mmHg **METS** : 12.6METS

STAGE	TIME (min)	H.R (bpm)	BP (mmHg)	SYMPTOMS	ECG CHANGES	ARRHYTHMIA
PRE- EXC.	0:00	58	118/68	Nil	No ST changes seen	Nil
STAGE 1	3:00	87	120/68	Nil	No ST changes seen	Nil
STAGE 2	3:00	113	126/68	Nil	No ST changes seen	Nil
STAGE 3	3:00	127	130/68	Nil	No ST changes seen	Nil
STAGE 4	1:31	161	136/74	Nil	No ST changes seen	Nil
RECOVERY	4:02	73	130/70	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.
- Good effort tolerance.

IMPRESSION:

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

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Dr. Abhishek Singh MD, DNB (CARDIOLOGY), MNAMS
 Sr. Consultant Cardiology

Dr. Sudhanshu Mishra MD
 Cardiology Registrar

LABORATORY REPORT

Name	MAYANK SINHA	Age	31y 5d	Gender	MALE
MRN	GHZB-0000180169	Visit No	V0000000001-GHZB		
Lab No	G000333282	Collected On	22/10/2022 10:28AM	Received On	22/10/2022 10:57AM
Referred By	Vinay Bhat	Reported On	22/10/2022 12:43PM		

Test Name	Result	Criticality Factor	Biological Reference Interval	Test Method
GLUCOSE, FASTING (F) (Serum Fasting)	91 mg/dl		70 - 110 mg/dl	

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

Processed by :- DEEPTI KUMARI

Dr. Charu Agarwal
 Registration No. 42422
DR CHARU AGARWAL
 CONSULTANT PATHOLOGIST
 Pathologist

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LABORATORY REPORT

Name	MAYANK SINHA	Age	31y 5d	Gender	MALE
MRN	GHZB-0000180169	Visit No	V0000000001-GHZB		
Lab No	G000333289	Collected On	22/10/2022 11:57AM	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	6.5
Specific gravity	1.015

CHEMICAL EXAMINATION

Glucose	Nil
Protein	Present(Trace)
Ketone bodies	Absent
Urobilinogen	Absent

MICROSCOPIC EXAMINATION

Leukocytes	1-2 /HPF
Erythrocytes	NIL
Epithelial Cells	0-1 /HPF
Casts	NIL
Crystals	NIL
Others	NIL

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

Processed by :- KAPIL GAUR

Alka
MCT-39093
DR ALKA DIXIT VATS
 CONSULTANT PATHOLOGIST
 PATHOLOGIST

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LABORATORY REPORT

Name	MAYANK SINHA	Age	31y 5d	Gender	MALE
MRN	GHZB-0000180169	Visit No	V0000000001-GHZB		
Lab No	G000333318	Collected On	22/10/2022 2:59PM	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)	107 mg/dl		80 -140 mg/dl	

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

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LABORATORY REPORT

Name	MAYANK SINHA	Age	31y 5d	Gender	MALE
MRN	GHZB-0000180169	Visit No	V0000000001-GHZB		
Lab No	G000333283	Collected On	22/10/2022 10:29AM	Received On	22/10/2022 10:57AM
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	"O"		
RH TYPING	POSITIVE		

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LABORATORY REPORT

Name	MAYANK SINHA	Age	31y 5d	Gender	MALE
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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	4 mm/1st hour		0 - 15 mm/Hr
HEMOGLOBIN, HB	16.0 g/dl		12 - 16 gm/ dl
MEAN CORPUSCULAR HAEMOGLOBIN CONCENTRATION, MCHC	33.5 g/dl		33 - 36%
MEAN CORPUSCULAR HAEMOGLOBIN, MCH	30.4 pg		26 -34 pg
MEAN CORPUSCULAR VOLUME, MCV	90.5 fl		77 - 97 fl
PLATELET COUNT	155 x10 ³ cells/ Cumm		150x10 ³ - 400x10 ³ cells/cumm
RED BLOOD CELLS, RBC COUNT	5.27 million/cu mm		3.8 - 5.3 millions /cumm
RED CELL DISTRIBUTION WIDTH, RDW	13.4 %		11.5 - 14.5 %
LEUCOCYTE COUNT, TOTAL (TLC), AUTOMATED	5.40 x10 ³ cells/ Cumm		4x10 ³ - 11x10 ³ cells/cumm
HEMATOCRIT (HCT)	47.7 %		34 -45%
BASOPHILS	00 %		0 - 2%
EOSINOPHILS	05 %		2 -7 %
LYMPHOCYTES	33 %		17 - 45 %
MONOCYTES	06 %		4 -13%
NEUTROPHILS	56 %		40 - 80%

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

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Charu
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 CONSULTANT PATHOLOGIST
 Pathologist

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Lab No	G000333283	Collected On	22/10/2022 10:29AM	Received On	22/10/2022 10:57AM
Referred By	Vinay Bhat	Reported On	22/10/2022 4:25PM		

Test Name	Result	Criticality Factor	Biological Reference Interval	Test Method
HBA1C (Whole Blood)	5.4 %		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.	

KIDNEY FUNCTION TESTS (Serum)

UREA	20.3 mg/dl		15 - 40 mg/dl	
CREATININE, SERUM	0.91 mg/dl		0.7 - 1.2 mg/dl	
URIC ACID	6.2 mg/dl		4 - 8.5 mg/dl	
SODIUM, SERUM	137.0 mmol/L		136 - 144 mmol/ L	
POTASSIUM, SERUM	4.33 mmol/L		3.6 - 5.1 mmol/L	
CHLORIDE, SERUM	102.9 mmol/L		101 - 111 mmol/L	

LIPID PROFILE (Serum)

CHOLESTEROL, TOTAL	166 mg/dl		Upto 200 mg/dl	
TRIGLYCERIDES, SERUM	206 mg/dl		Upto 150 mg/dl	
CHOLESTEROL, HDL, DIRECT	40 mg/dl		35 - 65 mg/dl	
CHOLESTEROL, LDL, DIRECT	85 mg/dl		0 -120 mg/dl	

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Referred By	Vinay Bhat	Reported On	22/10/2022 3:01PM		

Test Name	Result	Criticality Factor	Biological Reference Interval	Test Method
Cholesterol, VLDL	41 mg/dl		0 - 35 mg/dl	
LIVER FUNCTION TESTS (Serum)				
BILIRUBIN, TOTAL	1.45 mg/dl		0.3 - 1.2 mg/dl	
BILIRUBIN, DIRECT	0.24 mg/dl		0 - 0.3 mg/dl	
Indirect Bilirubin	1.21		0.1 - 0.3 mg/dl	
TOTAL PROTEIN, SERUM	6.7 g/dl		6.6 - 8.7 g/dl	
ALBUMIN, SERUM	4.40 g/dl		3.5 - 5.2 gm/dl	
A/G RATIO (ALBUMIN / GLOBULIN RATIO)	1.91		1:1 - 2.5:1	
GLOBULIN, SERUM	2.3			
SGPT	70 IU/L		17 - 63 IU/L	
SGOT	43 IU/L		0 - 40 IU/L	
GGTP, GGT, GAMMA GT, GAMMA GLUTAMYL TRANSPEPTIDASE	22 IU/L		7 - 50 U/L	
ALKALINE PHOSPHATASE, ALP	59 IU/L		32 - 91 IU/L	

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

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DR ALKA DIXIT VATS
CONSULTANT PATHOLOGIST
PATHOLOGIST

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Name : MAYANK SINHA Age : 31 Yr(s) Sex :Male
 Registration No : MH010519867 Lab No : 32221006982
 Patient Episode : R03000045086 Collection Date : 22 Oct 2022 20:34
 Referred By : MANIPAL HOSPITALS GHAZIABAD Reporting Date : 23 Oct 2022 14:49
 Receiving Date : 22 Oct 2022 20:40

BIOCHEMISTRY

THYROID PROFILE, Serum

T3 - Triiodothyronine (ECLIA)	1.20	ng/ml	[0.70-2.04]
T4 - Thyroxine (ECLIA)	5.99	micg/dl	[4.60-12.00]
Thyroid Stimulating Hormone (ECLIA)	2.630	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

RADIOLOGY REPORT

Name	MAYANK SINHA	Modality	US
Patient ID	GHZB-0000180169	Accession No	1152734
Gender / Age	M / 31Y 5D	Scan Date	22-10-2022 12:56:02
Ref. Phys	Dr. Vinay Bhat	Report Date	22-10-2022 12:27:21

USG ABDOMEN & PELVIS**FINDINGS**

LIVER: Liver is normal in size (measures 131 mm), shape and echotexture. Rest normal.
 SPLEEN: Spleen is normal in size (measures 101 mm), shape and echotexture. Rest normal.
 PORTAL VEIN: Appears normal in size and measures 8.6 mm.
 COMMON BILE DUCT: Appears normal in size and measures 3.5 mm.
 IVC, HEPATIC VEINS: Normal.
 BILIARY SYSTEM: Normal.
 GALL BLADDER: Gall bladder is well distended. Wall thickness is normal and lumen is echofree. Rest normal.
 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 100 x 47 mm.
 Left Kidney: measures 96 x 43 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 43 x 30 x 26 mm with volume 18 cc. Rest normal.
 SEMINAL VESICLES: Normal.
 BOWEL: Visualized bowel loops appear normal.

IMPRESSION

-No significant abnormality noted.

Recommend clinical correlation.

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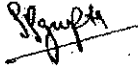
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RADIOLOGY REPORT

Name	MAYANK SINHA	Modality	US
Patient ID	GHZB-0000180169	Accession No	1152734
Gender/Age	M / 31Y 5D	Scan Date	22-10-2022 12:56:02
Ref. Phys	Dr. Vinay Bhat	Report Date	22-10-2022 12:27:21



Dr. Prabhat Prakash Gupta,
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RADIOLOGY REPORT


Name	MAYANK SINHA	Modality	DX
Patient ID	GHZB-0000180169	Accession No	1152735
Gender/Age	M / 31Y 5D	Scan Date	22-10-2022 10:44:46
Ref. Phys	Dr. Vinay Bhat	Report Date	22-10-2022 13:05:38

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.



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

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