

LABORATORY INVESTIGATION REPORT

Patient Name	: Mr. NISHANT RAJ	Age/Sex	: 41 years/Male
UHId	: HPGH.106160	Order Date	: 24/08/2024
Episode	: OP		
Ref. Doctor	: Self	Mobile No	: 7004949435
Address	: DHARAMSHALA RANCHI , ,JHARKHAND,West Bengal ,834001	Facility	: HP Ghosh Hospital

CLINICAL BIOCHEMISTRY

TEST NAME	RESULT	UNIT	BIO. REF. INT.
Sample No 07H0003880C	Collection Date 24/08/24 11:04	Ack Date 24/08/2024 11:55	Report Date 24/08/24 18:54

BUN
Sample Type- Serum

BUN	8	mg/dL	7 - 20
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Method - Calculated

UREA	17	mg/dL	17-43
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Method - GLDH, Kinetic Assay
Sample Type- Serum

Serum Creatinine	0.83	mg/dL	0.72 - 1.18
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Method - Enzymatic

Sample No 07H0003880B	Collection Date 24/08/24 11:04	Ack Date 24/08/2024 11:55	Report Date 24/08/24 18:53
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GLUCOSE FASTING
Sample Type- Fluoride Plasma

Glucose, Fasting	89	mg/dL	70 - 99
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Method - Hexokinase

Sample No 07H0003902C	Collection Date 24/08/24 13:54	Ack Date 24/08/2024 14:35	Report Date 24/08/24 18:53
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GLUCOSE PP
Sample Type- Fluoride Plasma

PPBS	85	mg/dL	70 - 140
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Method - Hexokinase

Sample No 07H0003880A	Collection Date 24/08/24 11:04	Ack Date 24/08/2024 11:54	Report Date 24/08/24 18:53
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HbA1C (Glycated Haemoglobin C)
Sample Type- EDTA Whole Blood

HbA1c	5.3	%	< 5.7
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Method - HPLC
Print DateTime: 26/08/2024

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Interpretation :

<18 years : Hemoglobin A1C criteria for diagnosing of diabetes have not been established for patients, who are <18 years of age or >18 years: Increased risk for diabetes (prediabetes): 5.7-6.4%

>Diabetes:

>or = 6.5%

Interpretive information based on Diagnosis and Classification of Diabetes Mellitus, American Diabetes Association.

Diagnosing diabetes: American Diabetes Association (ADA)

Normal Hemoglobin A1C (HbA1C): <5.7

Therapeutic goals for glycemic control (ADA)

•Adults :Goal of therapy : < 7.0% HbA1C

•Action suggested : > 8.0% HbA1C

•Pediatric patients :Toddlers and preschoolers: < 8.5% (but >7.5%) School age (6-12 years): < 8%

Adolescents and young adults (13-19 years): < 7.5%

Sample No	07H0003880C	Collection Date	24/08/24 11:04	Ack Date	24/08/2024 11:55	Report Date	24/08/24 18:53
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LIPID PROFILE

Total Cholesterol	144	mg/dL	< 200
<i>Method - CHOD-POD</i>			
Triglyceride	106	mg/dL	< 150
<i>Method - GPO-POD</i>			
HDL	28 ▼ (L)	mg/dL	40-60
<i>Method - Enzymatic Inhibition</i>			
LDL	97	mg/dL	< 100
<i>Method - Enzymatic Selective Protection</i>			
VLDL Cholesterol	19	mg/dL	2-30
<i>Method - CALCULATED</i>			

LIVER FUNCTION TEST

Sample Type- Serum

Total Bilirubin	0.63	mg/dL	0.3-1.2
<i>Method - DPD</i>			
BILIRUBIN DIRECT	0.12	mg/dL	< 0.2
<i>Method - DPD</i>			
Indirect Bilirubin	0.51	mg/dL	
<i>Method - CALCULATED</i>			
SGPT (ALT)	20	U/L	< 50
<i>Method - IFCC (without pyridoxal Phosphate Activation)</i>			

Print DateTime: 26/08/2024

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SGOT (AST)	21	U/L	< 50
<i>Method - IFCC (without pyridoxal Phosphate Activation)</i>			
Alkaline Phosphatase	67	U/L	30 - 120
<i>Method - IFCC AMP Buffer</i>			
Total Protein	7.05	g/dL	6.6 - 8.3
<i>Method - Biuret</i>			
Albumin	3.94	g/dL	3.5 - 5.2
<i>Method - BCG</i>			
Globulin	3.11	g/dL	2-3.5
<i>Method - CALCULATED</i>			
A:G Ratio	1.3	-	1-2
<i>Method - CALCULATED</i>			
Gamma GT	15	U/L	< 55
<i>Method - IFCC</i>			
URIC ACID			
<i>Sample Type- Serum</i>			
URIC ACID	6.62	mg/dL	3.5-7.2
<i>Method - Uricase PAP</i>			

CLINICAL PATHOLOGY

TEST NAME	RESULT	UNIT	BIO. REF. INT.
Sample No 07H0003902E	Collection Date 24/08/24 13:54	Ack Date 24/08/2024 14:34	Report Date 25/08/24 14:36

URINARY SUGAR (PP)
Sample Type- Urine

Urinary sugar	5	mg/dL	N/A
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Sample No 07H0003897D	Collection Date 24/08/24 13:13	Ack Date 24/08/2024 13:46	Report Date 24/08/24 15:09
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URINE RE
Physical Examination

Volume	45	mL	
Colour	Pale Yellow		
Appearance	Clear		
Specific Gravity	1.015	-	1.016 - 1.022

Method - Automated Strip Test
Chemical Examination
Print DateTime: 26/08/2024

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Reaction (pH)	6.0	4.8 - 7.4
Protein (Albumin)	Negative	Negative
Glucose	Negative	Negative
Ketone Body - Urine	Negative	Negative
Bile Pigment (Bilirubin)	Negative	Negative
Urobilinogen	Normal	Normal
Blood (Erythrocytes)	Negative	Negative
Leucocyte Esterase	Negative	Negative
Urine Nitrate	Negative	Negative

Microscopic Examination

RBC	NIL	/HPF	0 - 1
Epithelial Cells	1-2	/HPF	0 - 5
Pus Cells	1-3	/HPF	0 - 5
Casts	NIL	/LPF	
Crystals	NIL	/LPF	
Microorganism	NIL		
Others	Absent		

HAEMATOLOGY

TEST NAME	RESULT	UNIT	BIO. REF. INT.
Sample No	07H0003880A	Collection Date	24/08/24 11:04
Ack Date	24/08/2024 11:54	Report Date	24/08/24 14:08

BLOOD GROUPING AND Rh TYPING (EDTA whole blood/serum)

Sample Type- EDTA Whole Blood

BLOOD GROUP O

Method - Tube Agglutination (Forward & Reverse)

Rh (D) Type POSITIVE

Method - Tube Agglutination (Forward & Reverse)

NOTE :

Reconfirm the Blood Group & Rh Typing along with cross matching before blood transfusion.

Recent blood transfusion, if any, may interfere with interpretation of blood grouping.

The blood group and Rh antigen may change in the new born, hence please repeat the test after 6 months.

Subgroups and Bombay blood group needs to be further verified.

CLINICAL BIOCHEMISTRY

TEST NAME	RESULT	UNIT	BIO. REF. INT.
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Print DateTime: 26/08/2024

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Episode : OP	
Ref. Doctor : Self	Mobile No : 7004949435
Address : DHARAMSHALA RANCHI , ,JHARKHAND,West Bengal ,834001	Facility : HP Ghosh Hospital

Sample No 07H0003880C Collection Date 24/08/24 11:04 Ack Date 24/08/2024 12:56 Report Date 24/08/24 18:54

PSA TOTAL

Sample Type- Serum

Prostate specific Antigen 0.46 ng/ml 0.27 - 2.19

Method - ELFA

Thyroid Profile 1 (T3, T4,TSH)

Sample Type- Serum

Thyroid Function Test (T3, T4 & TSH)

T3 **0.82 ▼ (L)** ng/ml 0.87 - 1.78

Method - Chemiluminescence Immunoassay (CLIA)

T4 10.97 ug/dL 6.09 - 12.23

Method - Chemiluminescence Immunoassay (CLIA)

TSH (Ultra Sensitive) 3.819 uIU/ml 0.24-5.4

Method - Chemiluminescence Immunoassay (CLIA)

LDL/HDL RATIO

Sample Type- Serum

LDL/HDL **3.4 ▲ (H)** - < 2.5

BUN/CREATININE RATIO

Sample Type- Serum

BUN/CREATININE RATIO **9.6 ▼ (L)** 10 - 20

Sample Type- Serum

Total Cholesterol 144 mg/dL < 200

Method - CHOD-POD

HDL 28 mg/dL 40-60

Method - Enzymatic Immunoinhibition

Ratio 5 - < 3.5

Method - Calculated

HAEMATOLOGY

TEST NAME	RESULT	UNIT	BIO. REF. INT.
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Sample No 07H0003880A Collection Date 24/08/24 11:04 Ack Date 24/08/2024 11:54 Report Date 24/08/24 20:58

Sample Type- EDTA Whole Blood

Haemoglobin **11.8 ▼ (L)** g/dL 13-17

Method - Photometric Measurement

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Address : DHARAMSHALA RANCHI , ,JHARKHAND,West Bengal ,834001	Facility : HP Ghosh Hospital

RBC Count	4.73	x10 ⁶ /ul	4.5-6.0
<i>Method - Coulter Principle</i>			
PCV	38.6 ▼ (L)	%	40 - 50
<i>Method - Calculated</i>			
MCV	81.6 ▼ (L)	fl	83-101
<i>Method - Derived from RBC Histogram</i>			
MCH	24.9 ▼ (L)	pg	27-32
<i>Method - Calculated</i>			
MCHC	30.5 ▼ (L)	g/dL	31.5-34.5
<i>Method - Calculated</i>			
RDW - CV	15.6 ▲ (H)	%	11.6-14.0
<i>Method - Derived from RBC Histogram</i>			
WBC - TC	7.2	x10 ³ /uL	4-10
<i>Method - Coulter Principle</i>			
Differential Count			
Neutrophil	71	%	40 - 80
Lymphocyte	22	%	20 - 40
Monocyte	06	%	2 - 10
Eosinophil	01	%	1 - 6
Basophils	00	%	< 2
Platelets	188	x10 ³ /uL	150 - 450
<i>Method - Coulter Principle and Microscopy</i>			
ESR	20	mm/hr	< 30
<i>Method - Modified Westergren</i>			

CLINICAL PATHOLOGY

TEST NAME	RESULT	UNIT	BIO. REF. INT.
Sample No 07H0003888D	Collection Date 24/08/24 11:48	Ack Date 24/08/2024 15:43	Report Date 25/08/24 14:36

URINARY SUGAR (FASTING)
Sample Type- Urine

Urinary sugar	5	mg/dL	N/A
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CLINICAL BIOCHEMISTRY

TEST NAME	RESULT	UNIT	BIO. REF. INT.
Sample No 07H0003880C	Collection Date 24/08/24 11:04	Ack Date 24/08/2024 11:55	Report Date 24/08/24 19:05

Print DateTime: 26/08/2024

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LABORATORY INVESTIGATION REPORT

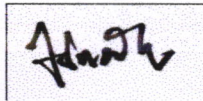
Patient Name	: Mr. NISHANT RAJ	Age/Sex	: 41 years/Male
UHId	: HPGH.106160	Order Date	: 24/08/2024
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Ref. Doctor	: Self	Facility	: HP Ghosh Hospital
Address	: DHARAMSHALA RANCHI , ,JHARKHAND,West Bengal ,834001		

AST/ALT RATIO (SGOT / SGPT)

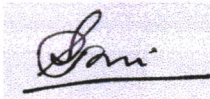
Sample Type- Serum

(AST / ALT) Ratio **1.05 ▲ (H)** - < 1

End of Report



Dr. Jaydip Nath ,
MBBS, MD (Pathology)
Consultant Pathologist
RegNo: 57882 - WBMC



Dr. Srijita Chaudhuri ,
MBBS, MD (Pathology)
Consultant Pathologist
RegNo: WBMC 65299



Dr. Asitava Roy ,
MBBS, MD (Biochemistry)
RegNo: 80284

Print DateTime: 26/08/2024

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DEPARTMENT OF OPHTHALMOLOGY

Name: Mr. Nishant Raj (106160) Age: 41 yrs Sex: M
 Referred by: self. Date: 24/8/24

Right Eye

Left Eye

1. Unaided Vision:

6/19, Ng.

6/19P, Ng.

2. Vision with glasses:

6/6, Ng.

6/6, Ng.

3. Power of glasses:

± 1 - 0.50 x 80°

± 1 - 0.75 x 100°

BE Add +1.25 DS

4. Colour Vision:

_____ nm (20/22) _____

5. Anterior Segment:

_____ nm _____

6. Posterior Segment:

_____ Gross 'OK' _____

Consultant
[Signature]

DIAGNOSTICS REPORT

Patient Name	: Mr. NISHANT RAJ	Order Date	: 24/08/2024 10:39
Aqe/Sex	: 41 Year(s)/Male	Report Date	: 24/08/2024 16:42
UHID	: HPGH.106160		
Ref. Doctor	: Self	Facility	: HP Ghosh Hospital
Address	: DHARAMSHALA RANCHI, ,JHARKHAND, West Bengal, 834001	Mobile	: 7004949435

COMPUTERISED STRESS TEST (TMT)

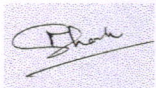
RESULTS:

The pre-exercise ECG was normal and there is no significant ST segment change. During peak exercise there was significant ST segment change. Patient could exercise for 6 minutes and 34 seconds of the Bruce protocol and achieved a work load of 7.7 Mets.

The patient attained a peak heart rate of 190 beats/minute which is 106 % of the predicted maximum. The exercise was terminated owing to attainment of significant ST depression. There was no classical angina. Clinically the maximum blood pressure 170/90 mmHg and there was no S3/S4 gallop in the recovery period.

IMPRESSION:

Stress test is positive for provokable myocardial ischemia.



Dr. NILADRI GHOSH
MBBS,MD,DM (CARD)

Interventional Cardiologist

RegNo: 72968

DIAGNOSTICS REPORT

Patient Name	: Mr. NISHANT RAJ	Order Date	: 24/08/2024 10:39
Age/Sex	: 41 Year(s)/Male	Report Date	: 24/08/2024 14:59
UHID	: HPGH.106160	Facility	: HP Ghosh Hospital
Ref. Doctor	: Self	Mobile	: 7004949435
Address	: DHARAMSHALA RANCHI, ,JHARKHAND, West Bengal, 834001		

ECG

DATA		
HEART RATE	84	Bpm
PR INTERVAL	144	Ms
QRS DURATION	90	Ms
QT INTERVAL	368	Ms
QTC INTERVAL	434	Ms
	AXIS	
P WAVE	64	Degree
QRS WAVE	52	Degree
T WAVE	25	Degree
IMPRESSION	:	Normal sinus rhythm within normal limits.

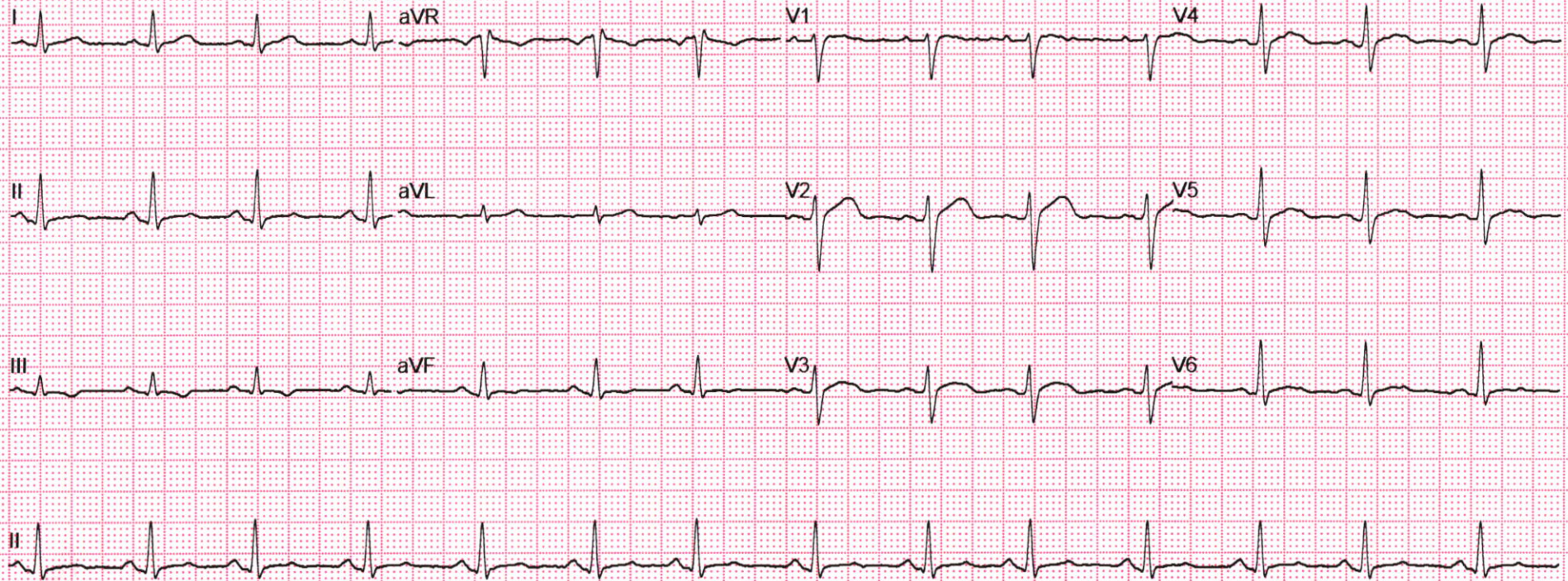
Dr. NILADRI GHOSH
MBBS, MD, DM (CARD)

Interventional Cardiologist

RegNo: 72968

41 Years Male

QRS	90 ms
QT / QTcBaz	368 / 434 ms
PR	144 ms
P	100 ms
RR / PP	714 / 714 ms
P / QRS / T	64 / 52 / 25 degrees



Patient Name	: Mr. NISHANT RAJ	Order Date	: 24/08/2024 10:39
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ULTRASOUND WHOLE ABDOMEN

Liver appears **enlarged in size** (approximately measuring 16.52 cm), shape and **moderate degree of diffuse fatty infiltration seen in hepatic parenchyma**. No focal parenchymal lesions identified. No evidence of intra/extrahepatic biliary tree dilatation noted.

Portal vein appears to be of normal size (approximately measuring 0.97 cm).

Gall bladder moderately distended. No definite calculi identified. No evidence of abnormal wall thickening noted.

Common bile duct appears normal in size (approximately measuring 0.55 cm).

Spleen approximately measures 8.9 cm x 4.4 cm and appears normal in size, shape and echopattern. No focal parenchymal lesions identified.

Pancreas appears normal in size, shape and echopattern. No definite calcification or ductal dilatation noted.

Both kidneys appear normal in size, shape and echopattern. Corticomedullary differentiation appears maintained. No evidence of calculi or hydronephrosis seen on either side.

Right kidney approximately measures: 11.08 cm.

Left kidney approximately measures: 10.67 cm.

IVC, abdominal aorta and para aortic regions are normal.

No significant lymph node enlargement identified.

Urinary bladder distended and appears normal. No evidence of abnormal wall thickening noted. No intraluminal mass / calculus noted.

Prostate appears **mildly enlarged in size**, approximately measuring (3.8 cm X 4.02 cm X 3.8 cm), **29 gm in weight**. Normal echopattern noted within the gland.

No evidence of ascites or pleural effusion seen.

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IMPRESSION:

- Hepatomegaly with Grade-II diffuse fatty changes in liver
- Grade-I prostatomegaly (29 gms)

Advised clinical correlation & further necessary investigation.

Mansi Gupta

Dr.MANSI GUPTA
MBBS,DNB,FRCR(UK)

RegNo: WBMC-77167

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X-RAY CHEST PA VIEW

FINDINGS:

Visualised lung fields appear clear.

Both hilar shadows are normal.

Cardio-mediastinal shadow appears normal.

Domes of diaphragm are smoothly outlined.

Costophrenic angles are clear.

Thoracic cage & soft tissues appear normal.

Impression:

·Normal study of whole abdomen.

Clinical correlation and other relevant investigations suggested.

Mansi Gupta

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