

DEPARTMENT OF NON-INVASIVE CARDIOLOGY

DATE : 07/04/2023 REFERENCE NO. : 69095
 PATIENT NAME : SACHIN KUMAR AGE/SEX : 40YRS/M
 REFERRED BY : DR. MONIKA GARG ECHOGENECITY : NORMAL
 REFERRING DIAGNOSIS : To rule out structural heart disease.

ECHOCARDIOGRAPHY REPORT

DIMENSIONS		NORMAL			NORMAL
AO (ed)	2.0 cm	(2.1 - 3.7 cm)	IVS (ed)	1.0 cm	(0.6 - 1.2 cm)
LA (es)	3.1 cm	(2.1 - 3.7 cm)	LVPW (ed)	1.0 cm	(0.6 - 1.2 cm)
RVID (ed)	1.4 cm	(1.1 - 2.5 cm)	EF	55%	(62% - 85%)
LVID (ed)	3.9 cm	(3.6 - 5.2 cm)	FS	27%	(28% - 42%)
LVID (es)	2.8 cm	(2.3 - 3.9 cm)			

MORPHOLOGICAL DATA :

Mitral Valve: AML : Normal	Interatrial septum : Intact
PML : Normal	Interventricular Septum : Intact
Aortic Valve : Normal	Pulmonary Artery : Normal
Tricuspid Valve : Normal	Aorta : Normal
Pulmonary Valve : Normal	Right Atrium : Normal
Right Ventricle : Normal	Left Atrium : Normal
Left Ventricle : Normal	

Cont. Page No. 2

:: 2 ::

2-D ECHOCARDIOGRAPHY FINDINGS :

LV normal in size with normal contractions. No LV regional wall motion abnormality seen. RV normal in size with adequate contractions. LA and RA normal. Aortic valve is thickened and rest other cardiac valves are structurally normal. No intracardiac mass. Estimated LV ejection fraction is 55%.

DOPPLER STUDIES :

Valve	Regurgitation	Velocity m/sec	Gradient mmHg
Mitral Valve	No	0.79	2.3
Tricuspid Valve	No	0.87	2.7
Pulmonary Valve	No	0.66	2.1
Aortic Valve	No	1.0	4.5

IMPRESSION :

- No RWMA.
- LV Diastolic Dysfunction Grade I.
- Normal LV Systolic Function (LVEF = 55%).

DR. SANJEEV KUMAR BANSAL
MD, Dip. CARD (Cardiology) FCCS
(Non-Invasive Cardiology)
Lokpriya Heart Centre

DR. HARIOM TYAGI
MD, DM (Cardiology)
(Interventional Cardiologist)
Director, Lokpriya Heart Centre

NOTE: Echocardiography report given is that of the procedure done on that day and needs to be correlated clinically. This is not for medico legal purpose, as patient's identity is not confirmed. No record of this report is kept in the Hospital.

NABH ACCREDITED

PRAKASH

EYE HOSPITAL & LASER CENTRE

Dr. AMIT GARG

M.B.B.S., D.N.B. (Oph.)

I-Lasik (Femto) Bladeless Topical Micro Phaco

& Medical Retina Specialist

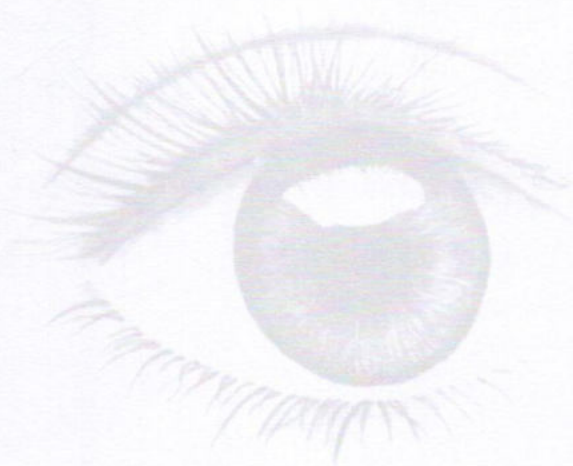
Ex. Micro Phaco Surgeon

Venu Eye Institute & Research Centre, New Delhi

Name Mr. Sachin Kumar Age/Sex 40 / m C/o Date 07/Apr/23

Routine eyes check up

Dr. AMIT GARG
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Garg Pathology, Meerut



Accredited Eye Hospital Western U.P.

First NABH ECO

प्रकाश आँखों का अस्पताल एवं लेजर सेंटर



Website: www.prakasheyehospital.in
Facebook: <http://www.prakasheyehospital.in>

Counsellor 9837066186

7535832832

Manager 7895517715

OT 730222373

TPA 9837897788

(गर्ना सात दिन तक मान्य है)

Timings Morning : 9:30 am to 1:30 pm.



Evening : 5:00 pm to 7:00 pm.

Sunday : 9:30 am to 1:30 pm.

Near Nai Sarak, Garh Road, Meerut

E-mail : prakasheyehosp@gmail.com

सचिन कुमार
Sachin Kumar
जन्म तिथि/ DOB: 01/02/1983
पुरुष / MALE



4550 7674 1308

मेरा आधार, मेरी पहचान

Sachin Kumar

Dr. MONIKA GARG
M.B.B.S., M.D. (Path.)
GARG PATHOLOGY

पता:
S/O सोहन वीर सिंह, ...
भल्सौना, मेरठ,
उत्तर प्रदेश - 250341

Address:
S/O Shohan Bir Singh, ...
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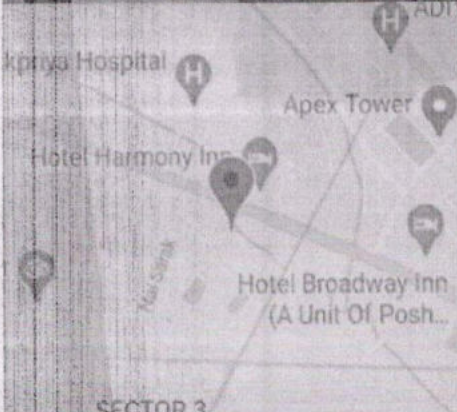
मेरा आधार, मेरी पहचान



GARG PATHOLOGY LAB

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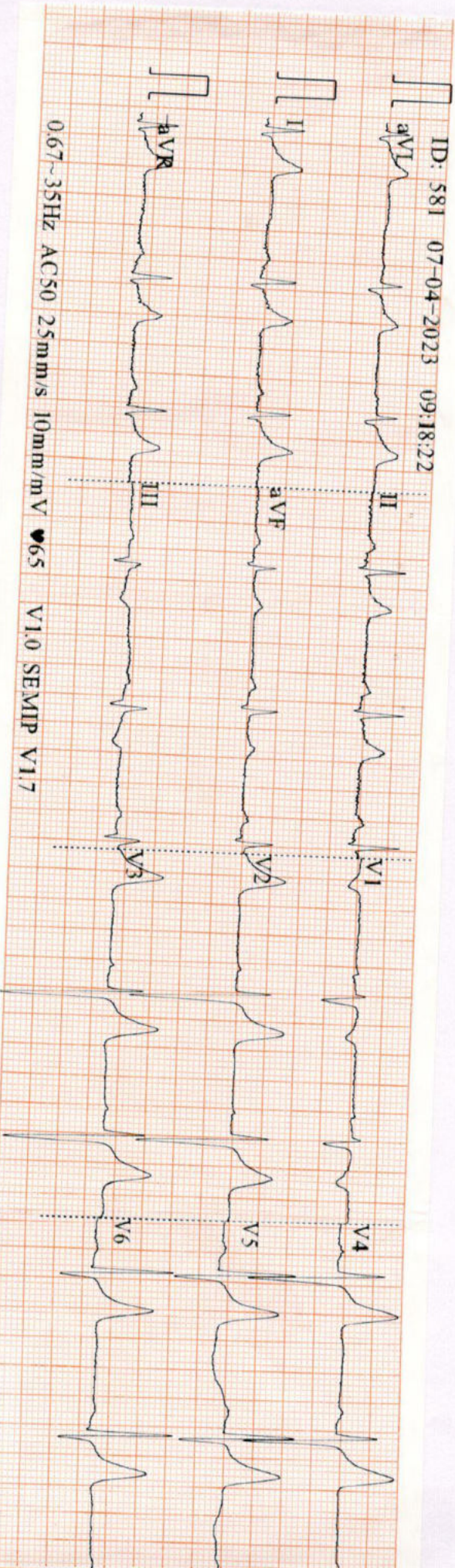
DR. MONIKA GARG
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Apr 7, 2023 9:08:42 AM
205° SW

Tejgarhi
Meerut Division
Uttar Pradesh
Altitude: 192.0m
Index number: 262

ID: 581 07-04-2023 09:18:22



ID: 581

Male
40 Years
cm

kg

kPa

Diagnosis Information:
Sinus Rhythm
Normal ECG

DR. MONIKA GARG
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GARG PATHOLOGY

HR	: 61	bpm
P	: 119	ms
PR	: 191	ms
QRS	: 89	ms
QT/QTc	: 380/384	ms
P/QRST	: 58/51/19	ms
RV5/SV1	: 1.279/0.559	mV

Report Confirmed by:

DATE	07.04.2023	REF. NO.	123		
PATIENT NAME	SACHIN KUMAR	AGE	40YRS	SEX:	M
INVESTIGATION	USG WHOLE ABDOMEN	REF. BY	GARG (PATHOLOGY)		

REPORT

Liver - appears normal in size and echotexture. No mass lesion seen. Portal vein is normal.

Gall bladder - Wall thickness is normal. No calculus / mass lesion seen. CBD is normal.

Pancreas - appears normal in size and echotexture. No mass lesion seen.

Spleen - is normal in size and echotexture.

Right Kidney - Normal in size and echotexture. Show well maintained corticomedullary differentiation. No calculus / hydronephrosis is noted.

Left Kidney - Normal in size and echotexture. Show well maintained corticomedullary differentiation. No calculus / hydronephrosis is noted.

Urinary bladder - appears distended. Wall thickness is normal. No calculus / mass seen.

Prostate - Normal in size (17g) & echotexture.

IMPRESSION

Essentially normal study

Dr. P.D. Sharma
 M.B.B.S., D.M.R.D. (VIMS & RC)
 Consultant Radiologist and Head

1. Impression is a professional opinion & not a diagnosis
2. All modern machines & procedures have their limitations. if there is variance clinically this examination may be repeated or reevaluated by other investigations
Ps. All congenital anomalies are not picked upon ultrasounds.
3. Suspected typing errors should be informed back for correction immediately.
4. Not for medico-legal purpose. Identity of the patient cannot be verified.

• 1.5 Tesla MRI • 64 Slice CT • Ultrasound
 • Doppler • Dexa Scan / BMD • Digital X-ray

**PRENATAL DETERMINATION OF SEX IS BANNED,
 PREVENT FEMALE FOETICIDE**

DATE	07.04.2023	REF. NO.	255		
PATIENT NAME	SACHIN KUMAR	AGE	40 YRS	SEX	M
INVESTIGATION	X-RAY CHEST PA VIEW	REF. BY	GARG (PATHOLOGY)		

REPORT

- Trachea is central in position.
- Bilateral lung field show normal broncho vascular markings.
- **Right hila is mildly prominent.**
- Cardiac size is within normal limits.
- Both costophrenic angles are clear.
- Both domes of diaphragm are normal in contour and position.

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Normal study

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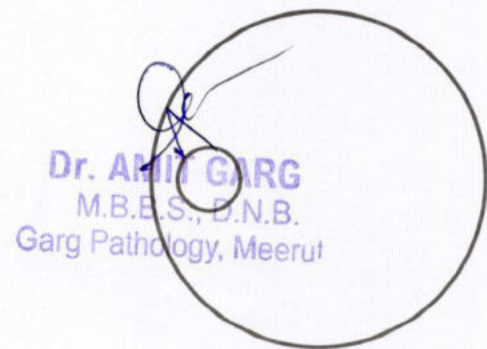
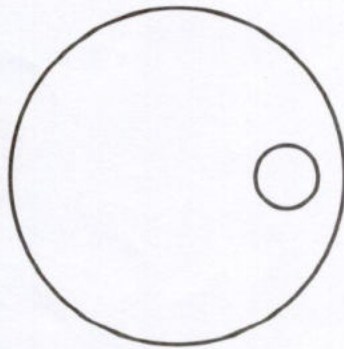
Vn
 R 6/6
 L 6/6

PH
 R 6/6
 L 6/6

IOP
 R 16
 L 15 mmHg

Color vision
 NORMAL
 NORMAL

	RIGHT EYE				LEFT EYE			
	Sph.	Cyl.	Axis	Vision	Sph.	Cyl.	Axis	Vision
Distance		plano.		6/6		plano.		6/6
Near	+1.00	—————		4/6	+1.00	—————		4/6



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DR. MONIKA GARG
M.D. (Path) Gold Medalist
Former Pathologist :
St. Stephan's Hospital, Delhi

PUID : 230407/601 **C. NO:** 601 **Collection Time** : 07-Apr-2023 9:10AM
Patient Name : Mr. SACHIN KUMAR 40Y / Male **Receiving Time** : 07-Apr-2023 9:54AM
Referred By : Dr. BANK OF BARODA **Reporting Time** : 07-Apr-2023 12:05PM
Sample By : **Centre Name** : Garg Pathology Lab - TPA
Organization :



Investigation	Results	Units	Biological Ref-Interval
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HAEMATOLOGY (EDTA WHOLE BLOOD)

COMPLETE BLOOD COUNT

HAEMOGLOBIN (Colorimetry)	13.2	gm/dl	13.0-17.0
TOTAL LEUCOCYTE COUNT (Electric Impedence)	5290	*10 ⁶ /L	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (Microscopy)			
Neutrophils	53	%.	40-80
Lymphocytes	40	%.	20-40
Eosinophils	03	%.	1-6
Monocytes	04	%.	2-10
Basophils	00	%.	<1-2
Band cells	00	%	0-5
Absolute neutrophil count	2.80	x 10 ⁹ /L	2.0-7.0(40-80%)
Absolute lymphocyte count	2.12	x 10 ⁹ /L	1.0-3.0(20-40%)
Absolute eosinophil count	0.16	x 10 ⁹ /L	0.02-0.5(1-6%)

Method:-((EDTA Whole blood,Automated /

ESR (Automated Wsetergren`s) 5 mm/1st hr 0.0 - 10.0

RBC Indices

TOTAL R.B.C. COUNT 4.53 Million/Cumm 4.5 - 6.5

(Electric Impedence)

Haematocrit Value (P.C.V.) 41.0 % 26-50

MCV 90.5 fL 80-94

(Calculated)

MCH 29.1 pg 27-32

(Calculated)

MCHC 32.2 g/dl 30-35

(Calculated)



*THIS TEST IS NOT UNDER NABL SCOPE

Checked By Technician:

Dr. Monika Garg
MBBS, MD(Path)
(Consultant Pathologist)

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RDW-SD (Calculated)	48.2	fL	37-54
RDW-CV (Calculated)	12.9	%	11.5 - 14.5
Platelet Count (Electric Impedence)	2.21	/Cumm	1.50-4.50
MPV (Calculated)	10.8	%	7.5-11.5
NLR 6-9 Mild stres 7-9 Pathological cause	1.33		1-3

-NLR is a reflection of physiologic stress,perhaps tied most directly to cortisol and catecholamine levels.
-NLR can be a useful tool to sort out patients who are sicker, compared to those who are less sick (its not specific to infection).
-NLR has proven more useful than white blood cell count (WBC) when the two are directly compared. Ultimately, NLR may be a logical replacement for the WBC. In some situations, NLR is competitive with more expensive biomarkers (e.g. procalcitonin,lactate).
-With specific clinical contexts (e.g. pancreatitis, pulmonary embolism), NLR may have surprisingly good prognostic value.

BLOOD GROUP * "O" POSITIVE \$ \$



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GLYCATED HAEMOGLOBIN (HbA1c)*	5.0	%	4.3-6.3
ESTIMATED AVERAGE GLUCOSE	96.8	mg/dl	

EXPECTED RESULTS :

 Non diabetic patients & Stabilized diabetics : 4.3% to 6.30%
 Good Control of diabetes : 6.4% to 7.5%
 Fair Control of diabetes : 7.5% to 9.0%
 Poor Control of diabetes : 9.0 % and above

-Next due date for HBA1C test : After 3 months

-High HbF & Trig.level, iron def.anaemia result in high GHb

-Haemolytic anemia, presence of HbS, HbC and other Haemoglobinopathies may produce low values. **three months.**

INTERPRETATION: HbA1c is an indicator of glycemic control.HbA1c represents average glycemia over the past six to eight weeks.Glycation of hemoglobin occurs over the entire 120 day life span of the red blood cell, but with in this 120 days. Recent glycemia has the largest influence on the HbA1c value. Clinical studies suggest that a patient in stable control will have 50% of their HbA1c formed in the month before sampling, 25% in the month before that, and the remaining 25% in months two to four. Mean Plasma Glucose mg/dl = (HbA1c x 35.6) - 77.3) Correlation between HbA1c and Mean Plasma Glucose (MPG) is not "perfect" but rather only this means that to predict or estimate average glucose from Hb-A1c or vice-versa is not "perfect" but gives a good working ballpark estimate. Afternoon and evening results correlate more closely to HbA1c than morning results, perhaps because morning fasting glucose levels vary much more than daytime glucose levels, which are easier to predict and control. As per IFCC recommendations 2007, HbA1c being reported as above maintaining traceability to both IFCC (mmol/mol) & NGSP (%) units.



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BIOCHEMISTRY (FLORIDE)

PLASMA SUGAR FASTING (GOD/POD method)	85.0	mg/dl	70 - 110
PLASMASUGAR P.P. (GOD/POD method)	102.0	mg/dl	80-140



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BIOCHEMISTRY (SERUM)

SERUM CREATININE (Enzymatic)	0.8	mg/dl	0.6-1.4
URIC ACID	5.9	mg/dL.	3.6-7.7
BLOOD UREA NITROGEN	10.20	mg/dL.	8-23



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LIVER FUNCTION TEST

SERUM BILIRUBIN

TOTAL (Diazo)	0.7	mg/dl	0.1-1.2
DIRECT (Diazo)	0.3	mg/dl	<0.3
INDIRECT (Calculated)	0.4	mg/dl	0.1-1.0
S.G.P.T. (IFCC method)	77.0	U/L	8-40
S.G.O.T. (IFCC method)	35.0	U/L	6-37
SERUM ALKALINE PHOSPHATASE (IFCC KINETIC)	86.0	IU/L.	50-126
SERUM PROTEINS			
TOTAL PROTEINS (Biuret)	7.2	Gm/dL.	6-8
ALBUMIN (Bromocresol green Dye)	4.1	Gm/dL.	3.5-5.0
GLOBULIN (Calculated)	3.1	Gm/dL.	2.5-3.5
A : G RATIO (Calculated)	1.3		1.5-2.5



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PSA*	0.812	ng/ml
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ECLIA
NORMAL VALUE

Age (years)	Median (ng/ml)
<49	<2.0
50-59	<3.5
60-69	<4.5
70-79	<6.5

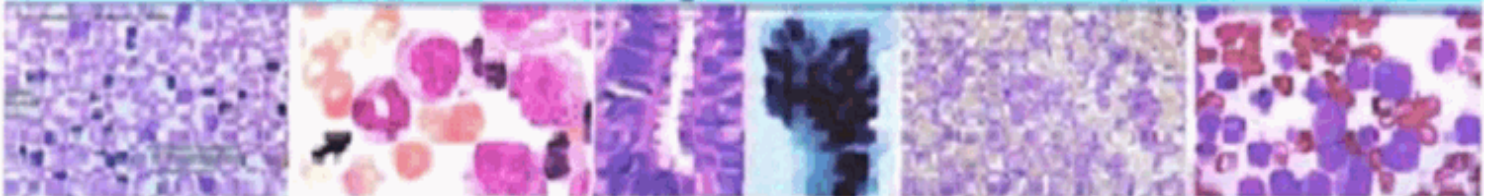


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LIPID PROFILE

SERUM CHOLESTEROL (CHOD - PAP)	303.0	mg/dl	150-250
SERUM TRIGLYCERIDE (GPO-PAP)	365.0	mg/dl	70-150
HDL CHOLESTEROL * (PRECIPITATION METHOD)	40.0	mg/dl	30-60
VLDL CHOLESTEROL * (Calculated)	73.0	mg/dl	10-30
LDL CHOLESTEROL * (Calculated)	190.0	mg/dL.	0-100
LDL/HDL RATIO * (Calculated)	04.8	ratio	<3.55
CHOL/HDL CHOLESTROL RATIO* (Calculated)	7.6	ratio	3.8-5.9

Interpretation :

Patient Should be Fast overnight For Minimum 12 hours and normal diet for one week

NOTE :

Lipid Profile Ranges As PER NCEP-ATP III :

SERUM CHOESTEROL : Desirable : < 200 Borderline : 200 - 239 Elevated :> 240 mg/dl
HDLCHOLESTEROL : Desirable : > 60 Borderline : 40- 60 Decreased :< 40 mg/dl
LDL CHOLESTEROL : Desirable : 100 mg/dl, Borderline : 100- 159 Elevated : >160 mg/dl
Triglycerides : Desirable : 150 Borderline : 150- 199 High : 200 - 499 Very High :>500

Friedwald Equation, VLDL & LDL values are not applicable for triglyceride > 400 mg/dl.

SERUM SODIUM (Na) * (ISE method) (ISE)	140.0	mEq/litre	135 - 155
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THYRIOD PROFILE*

Triiodothyronine (T3) * (ECLIA)	1.025	ng/dl	0.79-1.58
Thyroxine (T4) * (ECLIA)	8.394	ug/dl	4.9-11.0
THYROID STIMULATING HORMONE (TSH) (ECLIA)	1.373	uIU/ml	0.38-5.30
Normal Range:-			
1 TO 4 DAYS	2.7-26.5		
4 TO 30 DAYS	1.2-13.1		

Hyperthyroid patient have suppressed TSH values, with the exception of those few individuals whos have hyperthyroidism caused by TSH producing pituitary tumor or other rare disorders such as pituitary resistance to thyroid hormones. Subclinical hyperthyroidism is defined as low TSH with levels of T4 and T3 within the reference interval. In most patients with hypothyroidism,serum TSH results are markedly elevated, but results are low in individuals with hypothyroidism caused by pituitary or hypothalamic disorders. An important cause of both increased and decreased TSH results is NTI. Patients with NTI tend to have low TSH results during their acute illness ,then TSH rises to within or above the reference range with resolution of the underlying illness,and finally returns to within the reference range. The situation is complicated because drugs,including glucagon and dopamine,suppress TSH . Sensitive TSH assays are helpful in evaluation of treatment with thyroid hormone both for replacement therapy and suppressive doses for malignant thyroid disease.

SERUM POTASSIUM (K) * (ISE method)	3.9	mEq/litre.	3.5 - 5.5
SERUM CALCIUM (Arsenazo)	10.0	mg/dl	9.2-11.0



*THIS TEST IS NOT UNDER NABL SCOPE

Checked By Technician:

Dr. Monika Garg
MBBS, MD(Path)
(Consultant Pathologist)

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Garg Pathology

Certified by :
National Accreditation Board For Testing & Calibration Laboratories
ISO 9001:2008
Garden House Colony, Near Nai Sarak, Garh Road, Meerut
Ph.: 0121-2600454, 8979608687, 9837772828

DR. MONIKA GARG
M.D. (Path) Gold Medalist
Former Pathologist :
St. Stephan's Hospital, Delhi

PUID : 230407/601 **C. NO:** 601 **Collection Time** : 07-Apr-2023 9:10AM
Patient Name : Mr. SACHIN KUMAR 40Y / Male **Receiving Time** : 07-Apr-2023 9:54AM
Referred By : Dr. BANK OF BARODA **Reporting Time** : 07-Apr-2023 1:13PM
Sample By : **Centre Name** : Garg Pathology Lab - TPA
Organization :



Investigation	Results	Units	Biological Ref-Interval
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URINE

PHYSICAL EXAMINATION

Volume	30	ml	
Colour	PALE YELLOW		
Appearance	Clear		Clear
Specific Gravity	1.010		1.000-1.030
PH (Reaction)	Acidic		

BIOCHEMICAL EXAMINATION

Protein	Nil		Nil
Sugar	Nil		Nil

MICROSCOPIC EXAMINATION

Red Blood Cells	Nil	/HPF	Nil
Pus cells	1-2	/HPF	0-2
Epithelial Cells	1-2	/HPF	1-3
Crystals	Nil		
Casts	Nil		

@ Special Examination

Bile Pigments	Absent		
Blood	Nil		
Bile Salts	Absent		

-----{END OF REPORT }-----



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Dr. Monika Garg
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