

Dr. Vandana G. Powar M.B.B.S., D.C.P.
Consultant Pathologist



PARTH
PATHOLOGY LABORATORY
(Computerised)

LAB - Shop No. 7, "Diwan Towers" Mangalwar Peth, Near Mirajkar Tikli, Opp. Nutan Marathi
High School, Kolhapur. Mob. 9158529408, 9422047480, 9921285167

DATE – 23/03/2024

PATIENT NAME- VINAYAK PATIL

AGE – 34/MALE

HEIGHT – 170cm

WEIGHT – 67kg

BLOOD PRESSURE - 129/ 87mmHg

PULSES – 77/ Min

FIT TO PERFORM ALL DUTIES

Dr. Vandana G. Powar
M.B.B.S., D.C.P.
Reg. No. 68137

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PATHOLOGIST

Vandana Powar
DR. VANDANA POWAR
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आयकर विभाग
INCOME TAX DEPARTMENT
VINAYAK DHONDIRAM PATIL
DHONDIRAM SHANKARGONDA PATIL
21/07/1989
Permanent Account Number
CVKPP3328K
Signature
भारत सरकार
GOVT. OF INDIA

An official card from the Income Tax Department of India. It features the department's name in Hindi and English, the name of the taxpayer (Vinayak Dhondiram Patil), the name of the representative (Dhondiram Shankargonda Patil), a date (21/07/1989), and a Permanent Account Number (CVKPP3328K). There is a signature and a photograph on the card.

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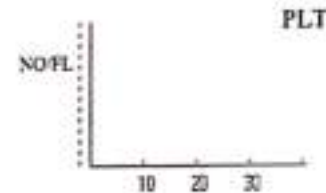
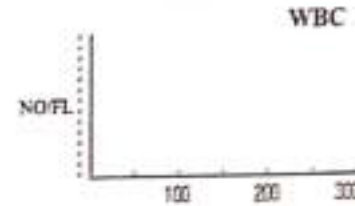
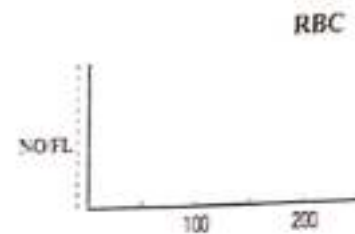
NAME : MR. VINAYAK PATIL
REF BY : Dr. MEDIWHEEL LIFE INS

DATE : 23/03/2024 PT.NO. : 207 23032
AGE : 34. Yrs. SEX : M

HAEMOGRAM WITH INDICES

Test	Result	Units	Normal Range
Haemoglobin	- 13.1	g/dl	14-18
RBC Count	- 4.47	millions / cu-mm	4.5 - 6.5
PCV	- 39.1	%	40 - 54
MCV	- 87.5	fL	80 - 96
MCH	- 29.3	Pg	27 - 33
MCHC	- 33.5	gm/dl	33 - 36
RDW CV	- 12.5	%	11.0 - 14.5
WBC Count	- 6200	/cumm	4000 - 11000
Neutrophils	- 60	%	40 - 75
Lymphocytes	- 35	%	20 - 40
Eosinophils	- 03	%	1 - 6
Monocytes	- 02	%	2-10
Basophils	- 00	%	0 - 1
Platelet Count	- 301000	/ul	150000 - 450000
MPV	- 8.9	fL	7.4 - 10.4
PDW	- 7.8	%	8-12
P-LCR	- 11.2	%	15-35
E.S.R. (By Wintrobe Method)	- 09	mm at 1hr	0-10
RBC Morphology	-	Normochromic, Normocytic.	
WBC Morphology	-	Within Normal Limits	
Platelets	-	Adequate	

Histogram



* Blood group - 'A' Rh Positive



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PT.NAME : MR. VINAYAK PATIL
REF. BY : DR. MEDIWHEEL LIFE INS

DATE : 23/03/2024
AGE : 34 Yrs. SEX : M
PT.NO. : 207 230324

BIOCHEMISTRY TEST REPORT

			Normal Range
Fasting Plasma Glucose	: 91.6	mg/dl	60-110 mg/dl
2 Hrs. Plasma Glucose	: 115.2	mg/dl	90-140 mg/dl
S. Creatinine	: 0.87	mg/dl	0.7 - 1.4 mg/dl
Blood Urea	: 28.2	mg/dl	12-42 mg/dl
Blood Urea Nitrogen	: 13.18	mg/dl	5 - 21 mg/dl
S. Uric acid	: 5.0	mg/dl	3.5 -7.2 mg/dl
CHOLESTEROL	: 110.5	mg/dl	0-250 mg/dl
HDL Cholesterol	: 24.1	mg/dl	30 - 70 mg/dl
S. Triglycerides	: 97.6	mg/dl	0-170 mg/dl
LDL Cholesterol	: 66.9	mg/dl	60 - 150 mg/dl
TC/HDLC Ratio	: 4.6		0 - 5
LDLC/HDLC Ratio	: 2.8		



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DATE : 23/03/2024
AGE : 34 Yrs. SEX : M
PT.NO. : 207 230324

BIOCHEMISTRY TEST REPORT

			<u>Normal Range</u>
S. Bilirubin (Total)	: 0.27	mg/dl	0 - 1.0 mg/dl
S. Bilirubin (Direct)	: 0.14	mg/dl	0 - 0.25 mg/dl
S. Bilirubin (Indirect)	: 0.13	mg/dl	0 - 0.75 mg/dl
S.G.O.T	: 26.1	IU/L	5-40 IU/L
S.G.P.T	: 17.5	IU/L	5-40 IU/L
S. Alkaline Phosphatase	: 80.4	IU/L	37 - 147 IU/L
Total Proteins	: 7.5	g/dl	6.6 - 8.3 g/dl
S. Albumin	: 4.0	g/dl	3.5 - 5.0 g/dl
S. Globulin	: 3.5	g/dl	1.5 - 3 g/dl
A/G Ratio	: 1.1 : 1		0.90 - 2.00



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DATE : 23/03/2024
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PT.NO. : 207 230324

REPORT ON % GLYCOHAEMOGLOBIN OF BLOOD

% Glycohaemoglobin of blood : 4.8 %

Estimated mean blood glucose : 91.7 mg/dl

(Reference For Guideline)

- < 6.0 - Normal
- 6.0 - 7.0 % - Good Control
- 7.0 - 8.0 % - Fair Control
- 8.0-10.0% - Unsatisfactory control
- >10.0% - Poor control

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EXAMINATION OF URINE

Normal Range

PHYSICAL EXAMINATION

Quantity : 05 ml
Colour : Pale Yellow
Appearance : Clear
Deposit : Absent
Reaction (pH) : Acidic
Specific Gravity : 1.024 1.003 - 1.035

CHEMICAL EXAMINATION

Proteins : Absent
Glucose : Absent
Ketone Bodies : --
Bile Salts : Absent Absent
Bile Pigments : Absent Absent
Urobilinogen : --
Occult Blood : Absent

MICROSCOPIC EXAMINATION

Epithelial Cells : 1 - 2 /hpf
Pus Cells : 2 - 3 /hpf
Red Blood Cells : Absent /hpf
Casts : Absent
Crystals : Absent
Amorphous Deposits : Absent

OTHER FINDINGS

Yeast Cells : Absent
Trichomonas vaginalis : Absent
Bacteria : Absent
Mucus Threads : Absent
Spermatozoa : Absent



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PATIENT NAME: - VINAYAK PATIL
REFERANCE :-MEDIWHEEL LIFE INS.

AGE - 34/SEX-MALE
DATE - 23/03/2024

BIOCHEMISTRY

S. GAMMA G.T : 27.0.mmol/L

NORMAL RENGE
10 -50 mmol/L



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PATIENT NAME: - VINAYAK PATIL

AGE - 34/SEX-MALE

REFERANCE :- MEDWHEEL LIFE INS.

DATE - 23/03/2024

BIOCHEMISTRY

NORMAL VALUE

SRUM VLDL - 33.5 mmol/L

10-50 mmol / L

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23/03/2024

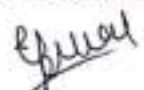
**THE ECG OF THE CLIENT – VINAYAK PATIL
IS WITHIN NORMAL LIMIT.**

NO ABNORMAL FINDINGS ARE DETECTED .



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KUSUM HEART CARE CLINIC, KOLHAPUR [+91 8411979955]

VINAYAK D PATIL (34 M)

Chart Speed: 25 mm/sec

ID: 510

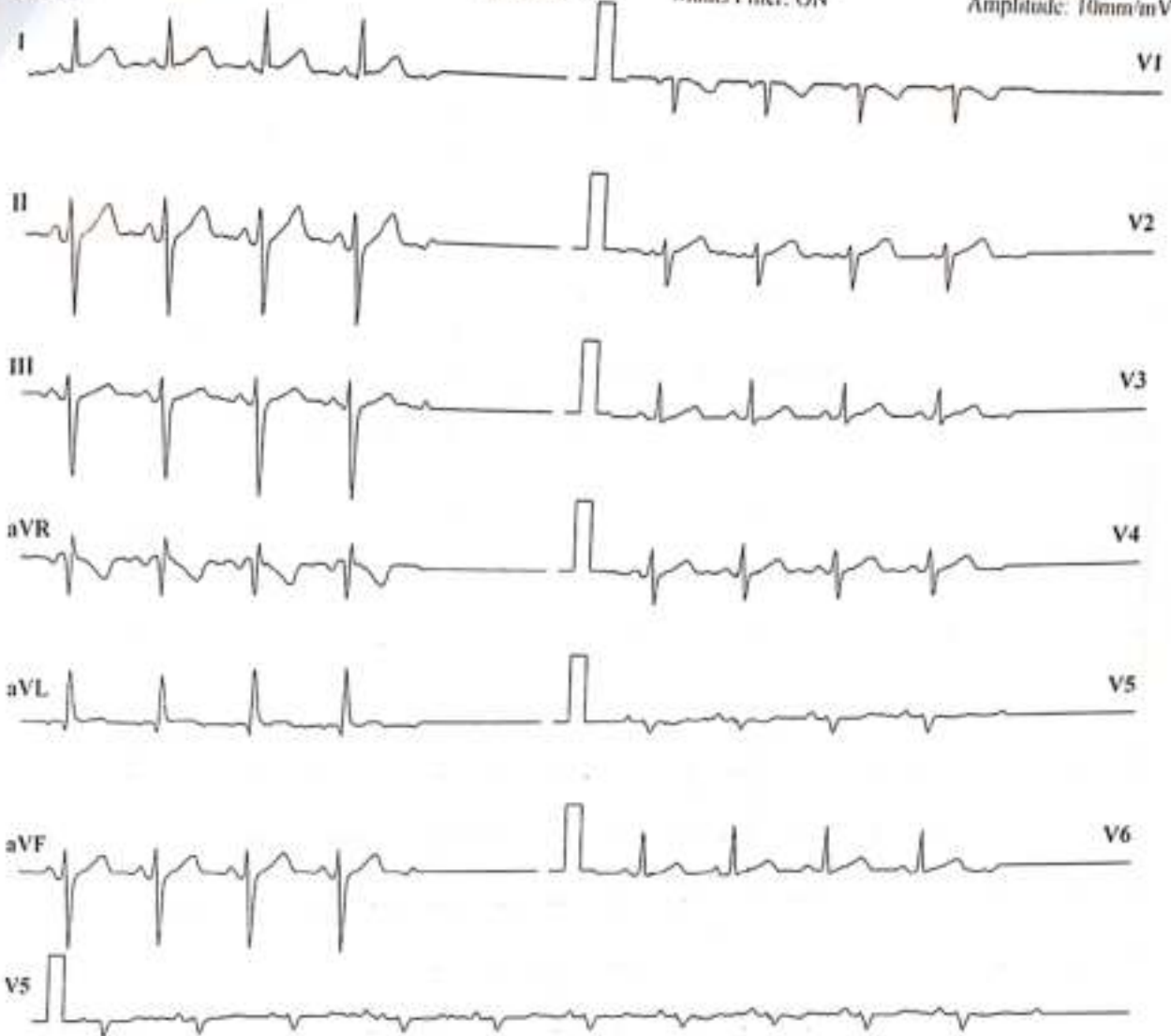
Filter: 35Hz

Date: 22-03-2024

Mains Filter: ON

Time: 23:18

Amplitude: 10mm/mV



ISO = R - 60 ms, I - R + 60 ms, Post J = J + 80 ms

Lead	P(mV)	Q(mV)	R(mV)	S(mV)	T(mV)
I	-0.01	-0.04	0.68	0.13	0.27
II	-0.08	-0.07	0.19	-1.19	0.45
III	-0.05	0	-0.55	-1.24	0.21
aVR	0.04	0.08	-0.84	0.53	-0.49
aVL	0.03	-0.01	0.65	0.67	0.04
aVF	-0.07	-0.04	-0.19	-1.21	0.33
V1	0	0.01	-0.51	-0.04	-0.2
V2	0	-0.01	-0.08	-0.4	0.21
V3	-0.01	-0.01	0.61	-0.11	0.2
V4	-0.03	-0.03	0.44	-0.49	0.23
V5	-0.08	-0.07	0.19	-1.19	0.45
V6	-0.01	-0.01	0.79	0	0.2

Intervals (ms)

P-Q	Q-R-S	Q-T	Q-TC
132	56	291	362

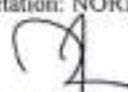
Axis (deg)

P	QRS	T
40	-68	59

HR: 93 bpm

BP: 120/80 mmHg

Interpretation: NORMAL


DR. SHANTANU PALKAR
 MBBS, PGDCC.
 CLINICAL CARDIOLOGIST
 KUSUM HEART CARE CLINIC.

Schiffert Cardiofit CS-30 Version 3.4

Ref. By MEDWHEEL

Patient Name : MR. VINAYAK PATIL

Date : 23 Mar 2024

Referred By : Dr. VANDANA POWAR

Age : 34 YEARS Sex : M

Clinically - FOR HEALTH CHECK UP.

Abdomen Sonography

LIVER : is normal in size, shape, position and shows increased echogenicity. The contours are smooth. The parenchyma shows homogeneous echotexture. The intra – hepatic portal and venous system appears normal. The portal vein is normal and show hepatopetal flow. The intra-hepatic biliary radicals are not dilated. There is no focal mass lesion.

GALL BLADDER: is physiologically distended, normal in size and echotexture. There is no evidence of echoreflexive calculus in gall bladder. There is no abnormal biliary tree dilation noted. The portal vein & C.B.D appear normal. Wall thickness is normal. No e/o cholecystitis/calculus seen. PV measures -11 mm, CBD measures – 3 mm.

PANCREAS: is normal size, position & echotexture. The contours are smooth. There is no focal mass lesion seen. No pancreatitis or calcification.

SPLEEN: is normal in size, shape and echopattern. The contours are smooth. The splenic vein and portal vein are normal in calibre.

KIDNEYS: Both the kidneys are normal in size, shape and position and contours. There is no echoreflexive obstructing calculus seen on either sides nor hydronephrosis. Both visualized ureters appear to be normal. Parenchymal/cortical thickness is normal. Cortico -medullary differentiation is well maintained. Overlying bowel gases does not show further course of ureter. **Right kidney** measures- 99 X 46 mm. **Left kidney** measures -100 X 53 mm.

Urinary bladder is physiologically distended, appears normal. No intraluminal abnormality.

PROSTATE: is normal size and uniform echotexture, measures 35 X 26 X 31 mm (weight- 15 gms). The gland bulges urinary bladder base.

Aorta and IVC are normal. No e/o free fluid in peritoneal cavity. No ascites. No significant lymphadenopathy. **Bowel loops appear normal in size with good peristalsis.**

Appendix is not appreciated in today's study. Terminal ileum is well seen.

No probe tenderness in right iliac fossa or anywhere in abdomen.

IMPRESSION : < FATTY LIVER – GRADE 1.

ADVICE - Clinical correlation and follow up if clinically needed.

THANKS FOR REFERRAL. FEEDBACK IS WELCOME

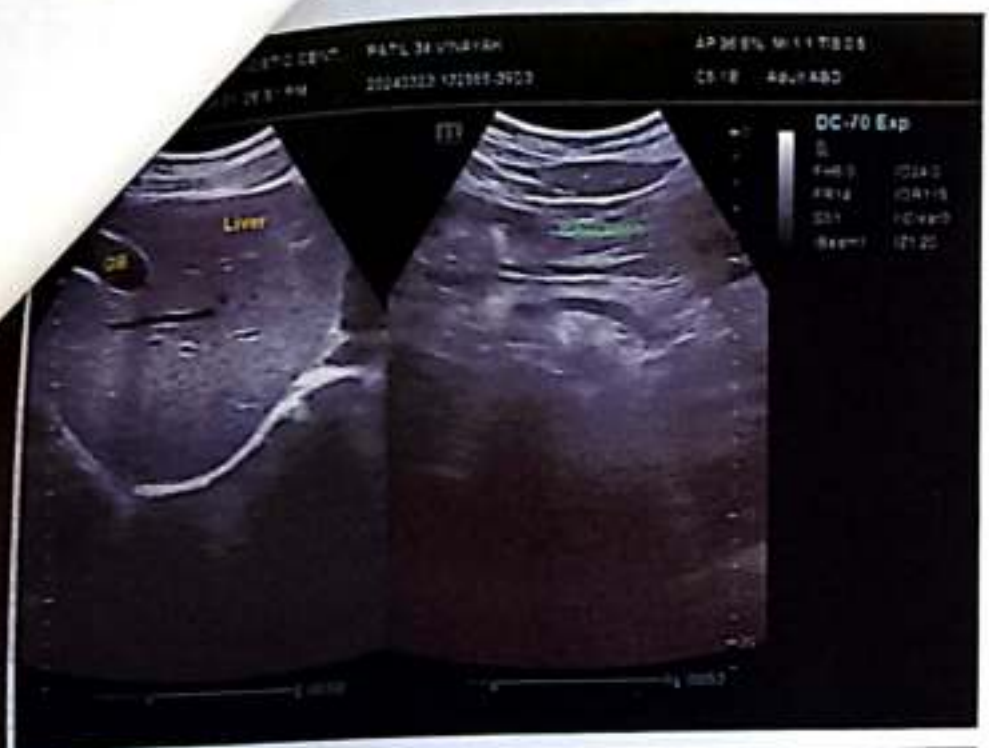


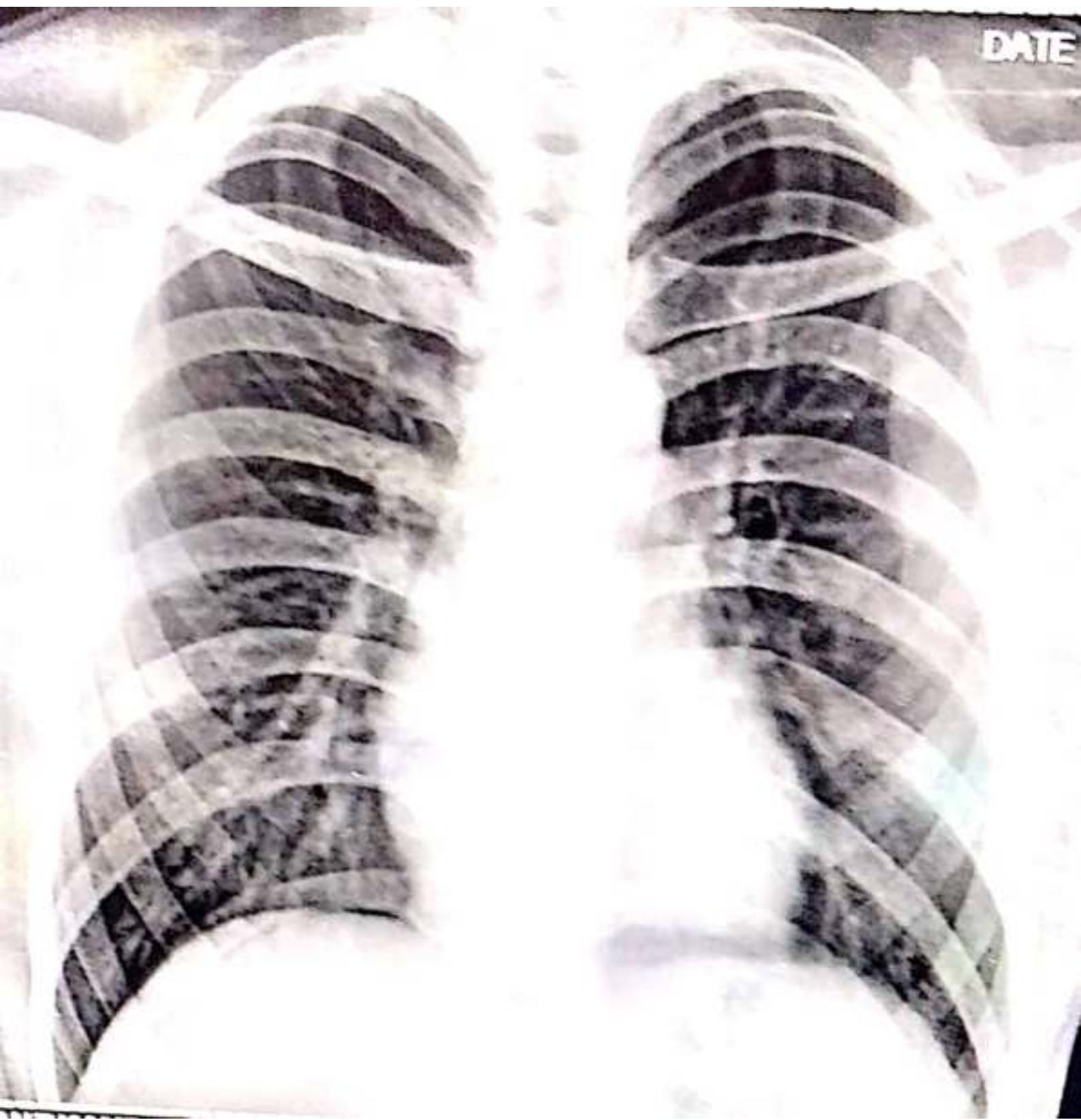
DR. NEHA S. GHORPADE
MBBS DMRE Reg. No. 79916
Consulting Radiologist

डॉ. नेहा घोरपडे

एम. बी. बी. एल., डी. एम. आर. ई (रेडियोलॉजिस्ट)
रजि. नं. 79916

परत येताना सर्व जुने रिपोर्ट्स, सोनोग्राफी रिपोर्ट्स अथवा एक्स-रे असल्यास बरोबर घेऊन येणे.





KUSUM HEART CARE CLINIC, KOLHAPUR [+91 8411979955]

Name: VINAYAK D PATIL

Date: 22-03-2024 Time: 23:18

Age: 34 Gender: M Height: 170 cms Weight: 67 Kg ID: 510

Clinical History: NO MAJOR ILLNESS

Medications: NO MEDS

Test Details:

Protocol: Bruce Predicted Max HR: 186 Target HR: 158 (85% of Pr. MHR)

Exercise Time: 0:06:14 Achieved Max HR: 161 (87% of Pr. MHR)

Max BP: 140/80 Max BP x HR: 22540 Max Mets: 7

Test Termination Criteria:

Protocol Details:

Stage Name	Stage Time	METS	Speed kmph	Grade %	Heart Rate bpm	BP mmHg	RPP	Max ST Level mm	Max ST Slope mV/s
Supine	00:08	1	0	0	103	120/80	12360	1 II	0.8 II
Standing	00:08	1	0	0	101	120/80	12120	1.1 II	0.8 II
HyperVentilation	00:09	1	0	0	101	120/80	12120	1.2 II	0.9 II
PreTest	00:21	1	1.6	0	100	120/80	12060	1.4 II	0.8 II
Stage 1	03:00	4.7	2.7	10	142	120/80	17040	1.3 II	1.4 II
Stage 2	03:00	7	4	12	153	130/70	19890	0.9 II	1.9 II
Peak Exercise	00:14	7	5.5	14	161	130/70	20930	0.4 II	1.7 II
Recovery1	01:00	1	0	0	141	140/80	19740	1 II	2 II
Recovery2	01:00	1	0	0	129	130/70	16770	0.8 II	1.3 II
Recovery3	01:00	1	0	0	130	120/60	15600	0.3 V2	1.1 II
Recovery4	00:01	1	0	0	130	120/60	15600	0.3 V2	1.1 II

Interpretation

The Patient Exercised according to Bruce Protocol for 0:06:14 achieving a work level of 7 METS. Resting Heart Rate, initially 103 bpm rose to a max. heart rate of 161bpm (87% of Predicted Maximum Heart Rate). Resting Blood Pressure of 120/80 mmHg, rose to a maximum Blood Pressure of 140/80 mmHg

GOOD EFFORT TOLERANCE
 NORMAL INOTROPIC RESPONSE
 NORMAL CHRONOTROPIC RESPONSE
 THR ACHIEVED ; ADEQUATE METS ACHIEVED
 NO SIGNIFICANT ST SEGMENT CHANGES NOTED IN EXERCISE AND RECOVERY

TMT IS NEGATIVE FOR STRESS INDUCIBLE ISCHAEMIA AT GIVEN WORKLOAD



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 CLINICAL CARDIOLOGIST
 KUSUM HEART CARE CLINIC.

Ref. Doctor: MEDWHEEL

SCHILLER

The Art of Diagnostics

(Summary Report edited by User)
 Cardiovit CS-10 Version 3.4

KUSUM HEART CARE CLINIC, KOLHAPUR [+91 8411979955]

VINAYAK D PATIL (34 M)

Bruce Protocol

ST Level (mm) ST Slope (mV/s)

ID: 510

Stage: Supine

Date: 22-03-2024

Speed: 0 km/h

Exec Time : 0:00:00

Slope: 0%

Stage Time: 00:08

THR: 158 bpm

HR: 103 bpm

BP: 120/80 mmHg
ST Level (mm) ST Slope (mV/s)



Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz; Mains Filter: ON

ISO - R - 60 ms, J - R + 60 ms, Post J - J + 80 ms

Schaller Cardiotec CS-10 Version 3.4

KUSUM HEART CARE CLINIC, KOLHAPUR [+91 8411979955]

VINAYAK D PATIL (34 M)

Bruce Protocol

STLevel(mm) STSlope(mV/s)

ID: 510

Date: 22-03-2024

Exec Time : 0:00:00

Stage Time: 00:08

HR: 101 bpm

BP: 120/80 mmHg

STLevel(mm) STSlope(mV/s)

Slope: 0 %

THR: 158 bpm

Speed: 0

Stage: Standing

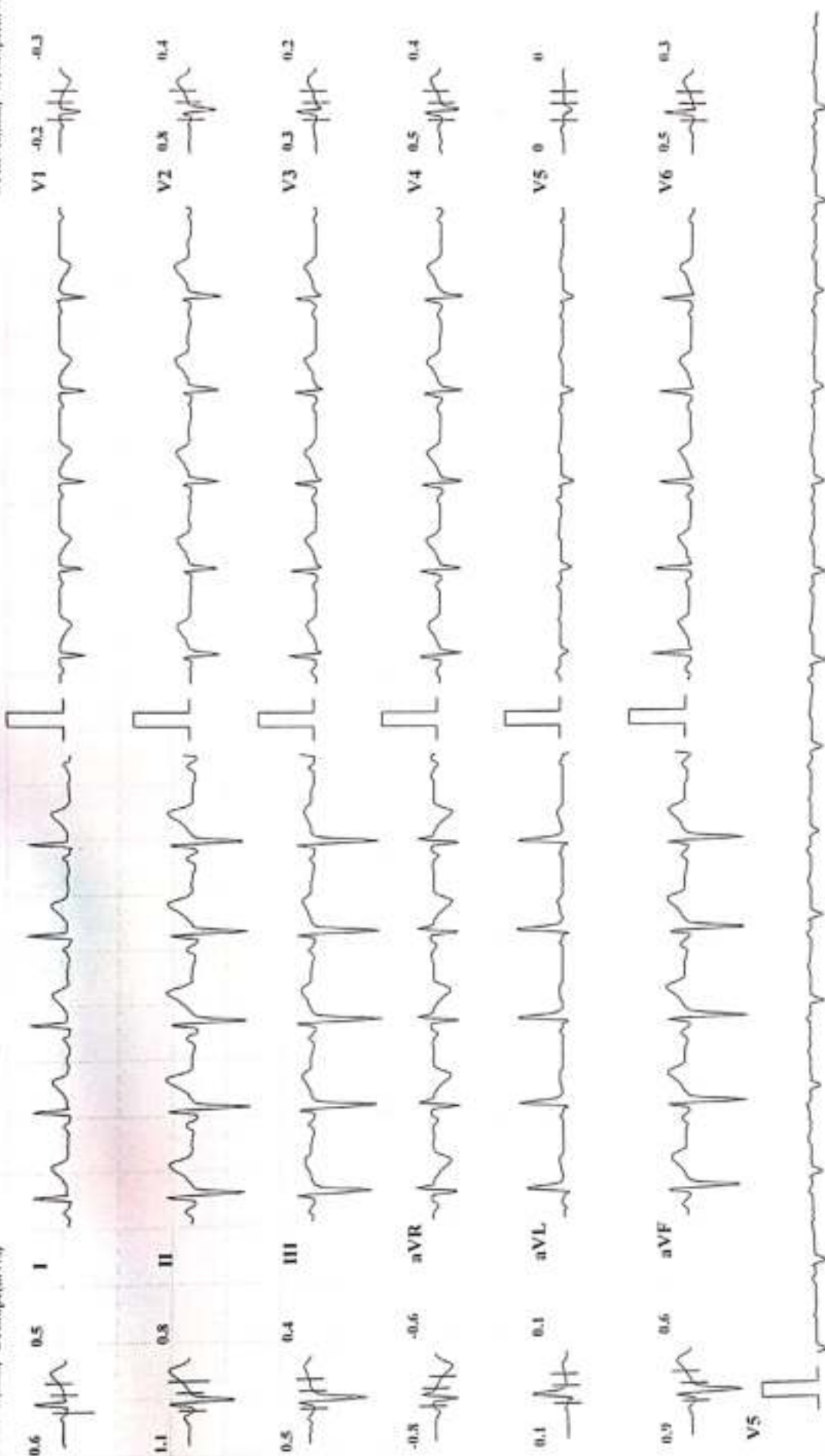


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

ISD) = R - 60 ms, J - R + 60 ms, Post J - J + 30 ms

Schiller Cardiotest CS-10 Ver. am 3.4



KUSUM HEART CARE CLINIC, KOLHAPUR [+91 8411979955]

VINAYAK D PATIL (34 M)

Bruce Protocol

STLevel(mm) STSlope(mV/s)

ID: 510

Date: 22-03-2024

Stage: HyperVentilation Speed: 0

Exec Time : 0:00:00

Slope: 0 %

HR: 101 bpm

BP: 120/80 mmHg

STLevel(mm) STSlope(mV/s)

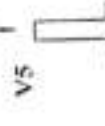


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

ISO - R - 60 ms, J - R + 60 ms, Post J - J + 80 ms

Schiller Cardiac of CS-10 Version 3.4



KUSUM HEART CARE CLINIC, KOLHAPUR [+91 8411979955]

VINAYAK D PATIL (34 M)

BRUCE Protocol

ID: 510

Date: 22-03-2024

Exec Time : 0:03:00

Stage Time: 03:00

HR: 142 bpm

STLevel(mm) STSlope(mV/s)

Stage: 1

Speed: 2.7 kmph

Slope: 10 %

THR: 158 bpm

BP: 120/80 mmHg

STLevel(mm) STSlope(mV/s)

0.3 0.6 I

V1 -0.2 -0.6

1.3 1.4 II

V2 0.4 0.2

0.8 0.8 III

V3 0.4 0.4

-0.6 -0.8 aVR

V4 0.5 0.6

-0.3 -0.1 aVL

V5 0 0.1

1.1 1.1 aVF

V6 0.3 0.4

V5

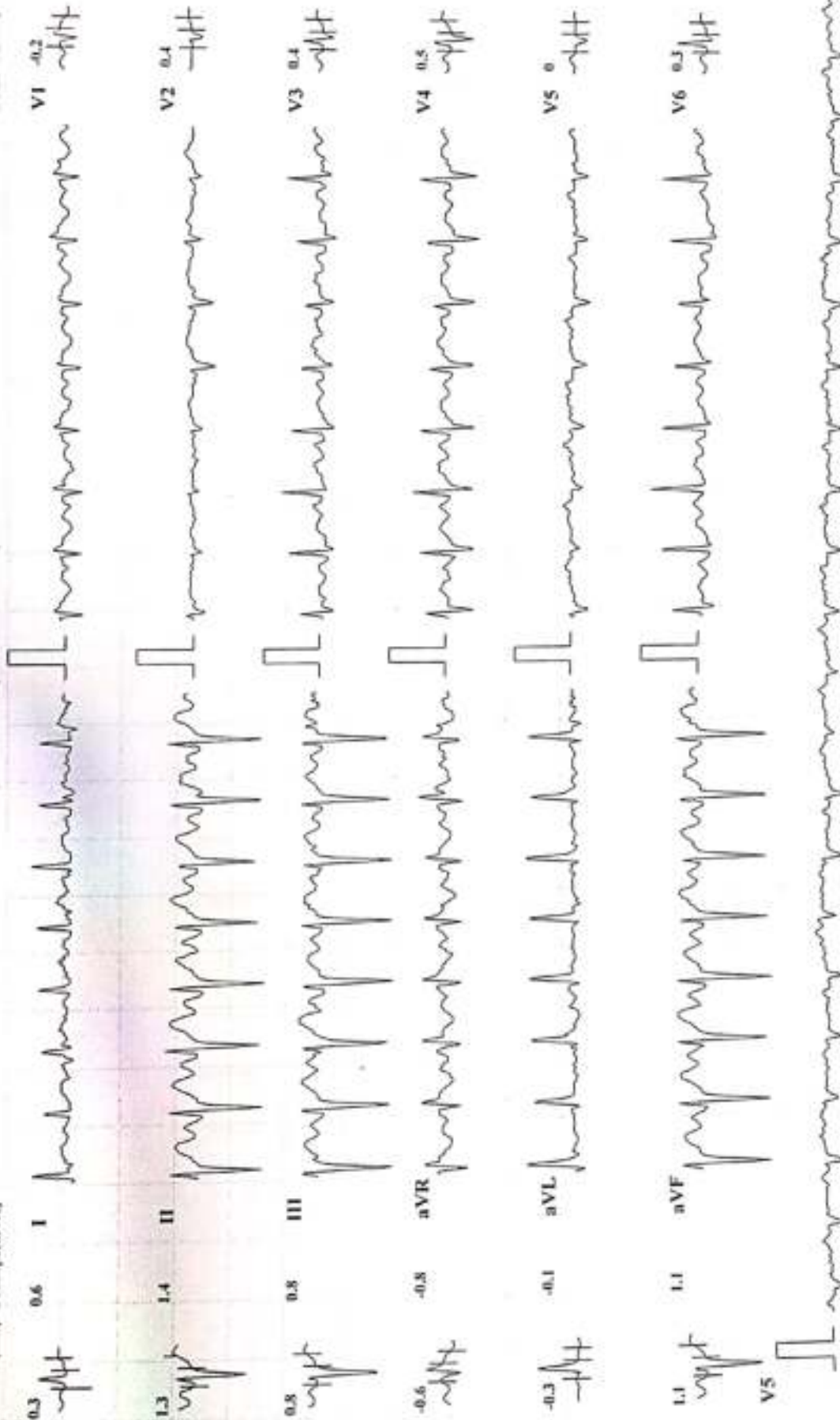


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz. Mains Filter: ON

ISO - R - 60 ms, J - R + 60 ms, Post J - J + 80 ms

Schiller Cardio II CS-10 Version 3.4

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VINAYAK D PATIL (34 M)

Bruce Protocol

STLevel(mm) STSlope(mV/s)

ID: 510

Stage: 2

Date: 22-03-2024

Speed: 4 kmph

Exec Time : 0:06:00

Slope: 12. %

Stage Time: 03:00

THR: 158 bpm

HR: 153 bpm

BP: 130/70 mmHg

STLevel(mm) STSlope(mV/s)

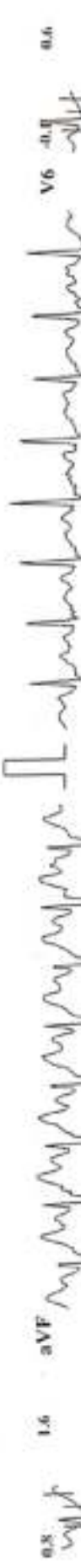


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz Mains Filter: ON

ISO = R - 60 ms, J = R + 60 ms, Post J = J - 80 ms

Schuller Cardiotest CS-10 Version: 3.4

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HR: 161 bpm

BP: 130/70 mmHg

ST1: 0.1 (mm) ST Slope: (mV/s)

Exec Time : 0:06:14
Stage Time: 00:14
THR: 158 bpm

Slope: 14 %

Date: 22-03-2024

Speed: 5.5 kmph

VINAYAK D PATIL (34 M)

ID: 510

Stage: 3 Peak Exercise

Speed: 5.5 kmph

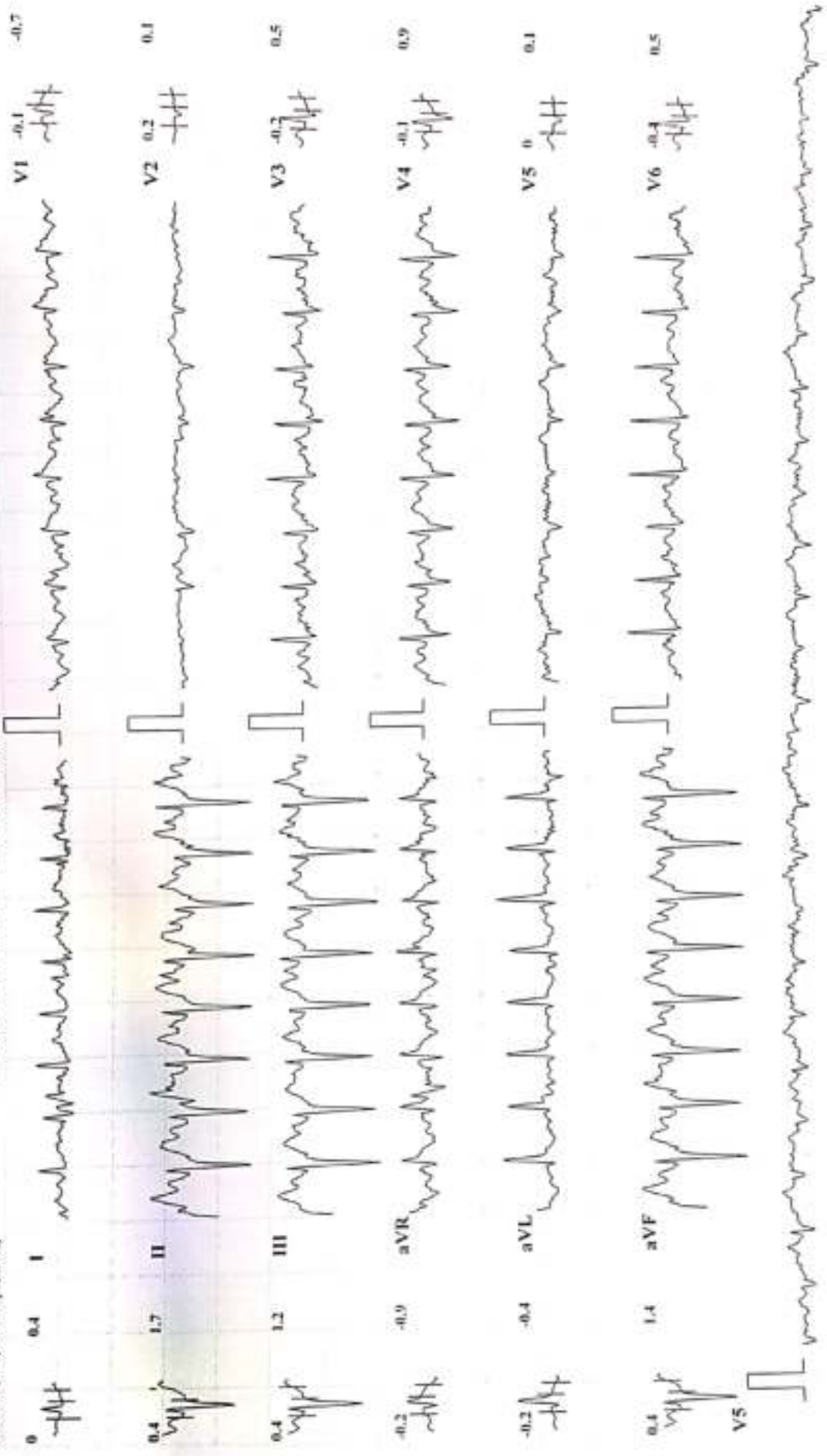


Chart Speed: 25 mm/sec Amplitude: 10mm/mV Filter: 35 Hz Mains Filter: ON ISO = R - 69 ms, J = R + 69 ms, Post J - J + 80 ms

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KUSUM HEART CARE CLINIC, KOLHAPUR [+91 8411979955]

VINAYAK D PATIL (34 M)

Bruce Protocol

STLevel(mm) STSlope(mV/s)

ID: 510

Stage: Recovery I

Date: 22-03-2024

Speed: 0 kmph

Exec Time : 00:00

Slope: 0 %

Stage Time: 01:00

THR: 158 bpm

HR: 141 bpm

BP: 140/80 mmHg

STLevel(mm) STSlope(mV/s)

V1 -0.2 -0.6



V2 0.4 0.5



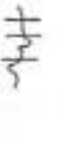
V3 -0.1 0.5



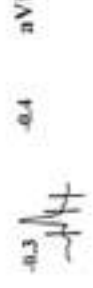
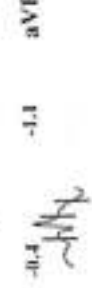
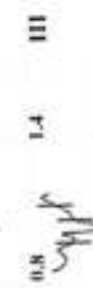
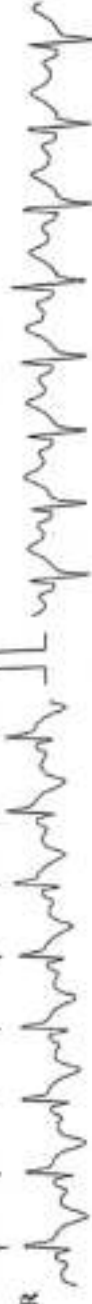
V4 0.3 0.9



V5 -0.1 0.1



V6 -0.2 0.5



Amplitude: 10mm/mV Filter: 35 Hz Mains Filter: ON 150 - R - 60 ms, I - R + 60 ms, PooI J - J + 80 ms

Chart Speed: 25 mm/sec

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KUSUM HEART CARE CLINIC, KOLHAPUR [+91 8411979955]

VINAYAK D PATIL (34 M)

Bruce Protocol

STLevel(mm) STSlope(mV/s)

ID: 510

Date: 22-03-2024

Stage: Recovery2

Exec Time : 00:00

Slope: 0 %

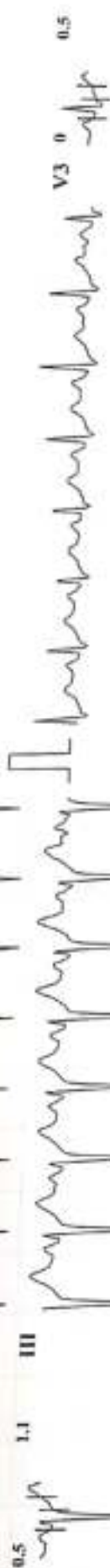
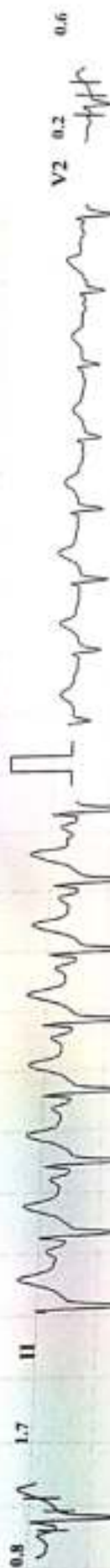
Stage Time: 01:00

THR: 158 bpm

HR: 129 bpm

BP: 130/70 mmHg

STLevel(mm) STSlope(mV/s)



KUSUM HEART CARE CLINIC, KOLHAPUR [+91 8411979955]

VINAYAK D PATIL (34 M)

Bruce Protocol

ID: 510

Date: 22-03-2024

Exec Time : 00:00

Stage Time: 01:00

HR: 130 bpm

BP: 120/60 mmHg

STLevel(mm) STSlope(mV/s)

STLevel(mm) STSlope(mV/s)

Stage: Recovery3

Slope: 0 %

THR: 158 bpm

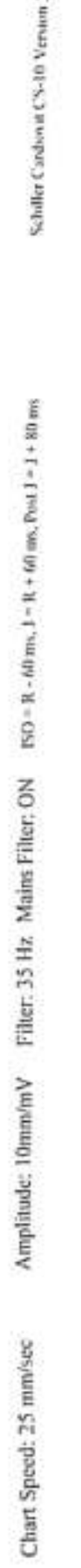
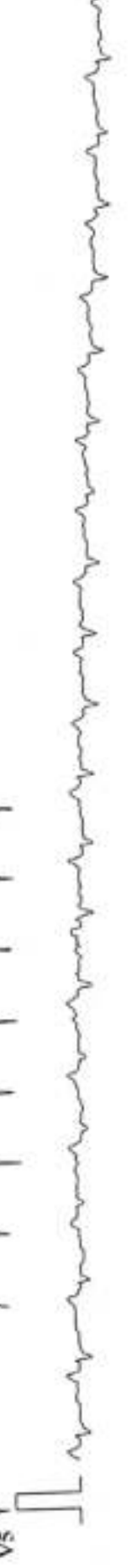


Chart Speed: 25 mm/sec

Amplitude: 10mm/mV

Filter: 35 Hz

Mains Filter: ON

ISO = R - 60ms, J - R + 60ms, Post J - J + 80ms

Schaller Cardiovit CS-10 Version 3.4



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REPORT

PT Name : VINAYAK PATIL
Ref By : DR. VANDANA POWAR
Reg No : HL5200410251 / MH145
Barcode : B1474781
INV : PSA- Total (Prostrate Specific Antigen Total)

Age : 34 Year | Sex : Male
Registered on : 23-03-2024 03:46 PM
Received on : 24-03-2024 07:54 AM
Reported on : 24-03-2024 09:36 AM

SAMPLE COLLECTED AT :



SAMPLE : Serum

PSA- TOTAL (PROSTRATE SPECIFIC ANTIGEN TOTAL)

TEST DESCRIPTION	RESULT	UNITS	BIOLOGICAL REFERENCE RANGE
PROSTATE SPECIFIC ANTIGEN (PSA) <small>Method: CLIA</small>	1.46	ng/ml	0 - 4.0

Interpretation

Prostate-specific antigen (PSA) is a glycoprotein that is produced by the prostate gland, the lining of the urethra, and the bulbourethral gland. PSA exists in serum mainly in two forms, complexed to alpha-1-anti-chymotrypsin (PSA-ACT complex) and unbound (free PSA). Increases in prostatic glandular size and tissue damage caused by benign prostatic hypertrophy, prostatitis, or prostate cancer may increase circulating PSA levels. Transient increase in PSA can also be seen following per rectal digital or sonological examinations.

Note:

Patients on Biotin supplement may have interference in some immunoassays. With individuals taking high dose Biotin (more than 5 mg per day) supplements, at least 8-hour wait time before blood draw is recommended.

Please correlate with clinical conditions.

--End of report--

Pallav Saxena

Dr. PALLAV SAXENA (MD PATH)
Consultant Pathologist



REPORT

PT Name : VINAYAK PATIL
Ref By : DR. VANDANA POWAR
Reg No : HL5200410251 / MH145
Barcode : B1474781
INV : THYROID PROFILE -3 (T3 T4 TSH)

Age : 34 Year | Sex : Male
Registered on : 23-03-2024 03:46 PM
Received on : 24-03-2024 07:54 AM
Reported on : 24-03-2024 11:00 AM

SAMPLE COLLECTED AT :



SAMPLE : Serum

THYROID PROFILE -3 (T3 T4 TSH)

TEST DESCRIPTION	RESULT	UNITS	BIOLOGICAL REFERENCE RANGE
TOTAL TRIIODOTHYRONINE (T3) <small>Method: CLIA</small>	1.67	ng/mL	0.80 - 2.00
TOTAL THYROXINE (T4) <small>Method: CLIA</small>	7.61	µg/dl	5.10 - 14.10
THYROID STIMULATING HORMONE (TSH) <small>Method: CLIA</small>	1.04	uIU/ml	0.35 - 5.50

Reference Range

Thyroid hormone status during pregnancy:

Pregnancy	T3	T4	TSH
1st Trimester	0.70-1.80	6-16.5	0.37 - 3.6
2nd & 3rd Trimester	0.80-2.00	6-18.5	0.38 - 4.04

Reference ranges by Age

0-5 days: 0.7-15.2
6 days-2 months: 0.7-11.0
3-11 months: 0.7-8.4
1-5 years: 0.7-5.0
6-10 years: 0.6-4.8

Interpretation

1. Patients having low T3 and T4 levels but high TSH levels suffer from primary hypothyroidism, cretinism, juvenile myxedema or autoimmune disorders.
2. Patients having high T3 and T4 levels but low TSH levels suffer from Grave's disease, toxic adenoma or sub-acute thyroiditis.
3. Patients having either low or normal T3 and T4 levels but low TSH values suffer from iodine deficiency or secondary hypothyroidism.
4. Patients having high T3 and T4 levels but normal TSH levels may suffer from toxic multinodular goiter. This condition is mostly a symptomatic and may cause transient hyperthyroidism but no persistent symptoms.
5. Patients with high or normal T3 and T4 levels and low or normal TSH levels suffer either from T3 toxicosis or T4 toxicosis respectively.
6. In patients with non thyroidal illness abnormal test results are not necessarily indicative of thyroidism but may be due to adaptation to the catabolic state and may revert to normal when the patient recovers.
7. There are many drugs for eg. Glucocorticoids, Dopamine, Lithium, Iodides, Oral radiographic dyes, etc. which may affect the thyroid function tests.
8. Generally when total T3 and total T4 results are indecisive then Free T3 and Free T4 tests are recommended for further confirmation along with TSH levels.

Please correlate with clinical conditions

--End of report--

Dr. PALLAV SAXENA (MD PATH)
Consultant Pathologist