



**PRAMUKH**

**MULTI SPECIALITY**

**HOSPITAL**

Above Punjab National Bank,  
Nr. Railway Crossing, Maninagar (E)  
Ahmedabad - 380 008.

## MEDICAL EXAMINATION

**DATE :-** 06/06/2022

**NAME :-** GIEETA S. YADAV

**AGE / GENDER :-** 35 Yrs / female

O/E :

T: (N)

BP: 120/80 mmHg.

RS: BA & P

SPO2: 98% OHR.A

PULSE: 70/min

CNS: Conlon'

CVS: S1S2f

P/A: Soft.

ADV: -

Height : 170 Cms.

Weight : 69 kgs.

BMI : 23 kg/m<sup>2</sup>

Eye Exam. : Vision Normal

Ear Exam. : Hearing Normal.



B.A. Panchal  
**Dr. Brijesh Panchal**  
MBBS  
Regd. No. G-28095  
PRAMUKH MULTISPECIALITY HOSPITAL  
Maninagar, Ahmedabad-8.

*Gita*

HELP LINE No. 7227971927



# PRAMUKH

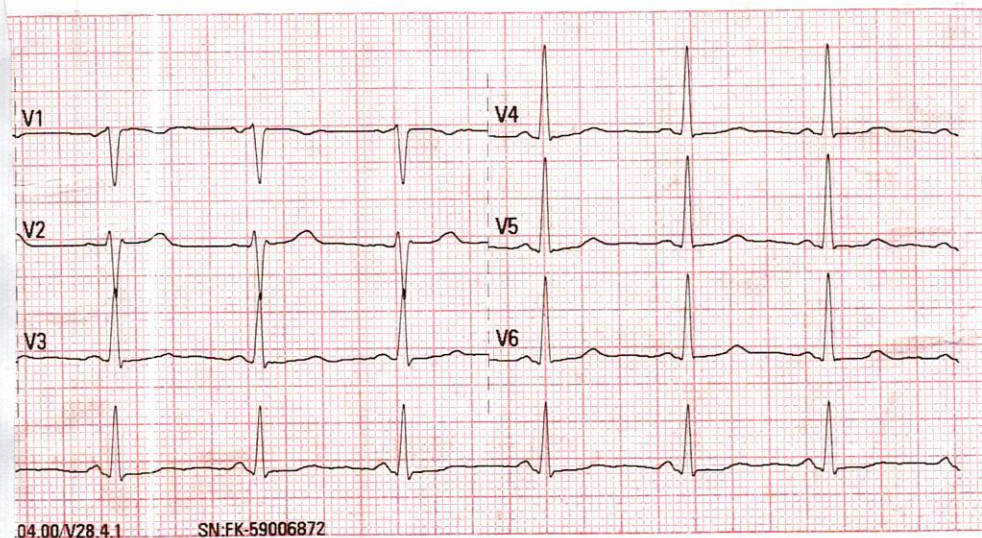
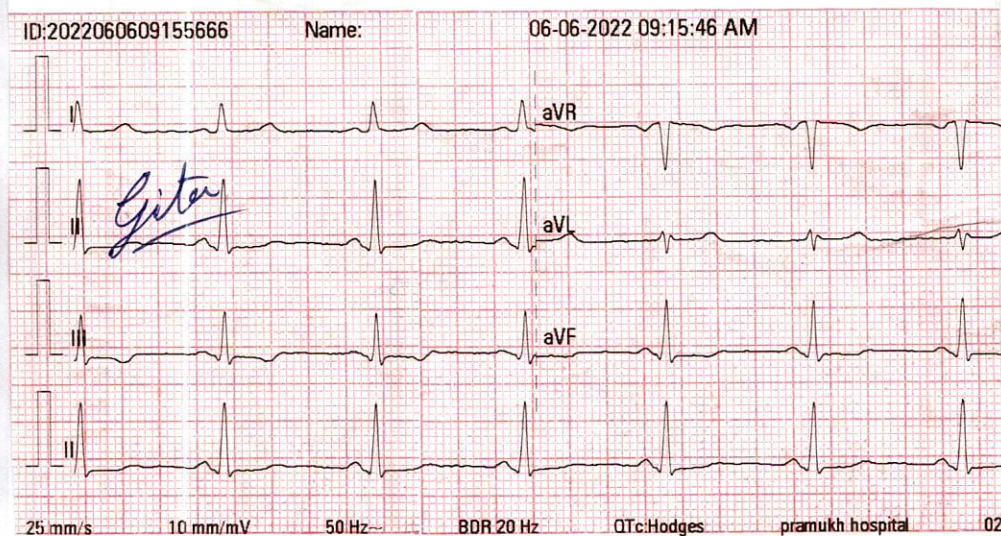


## Multispeciality Hospital

Near Old Railway Crossing,  
Maninagar (East), Ahmedabad-8.  
E-mail : hospitalpramukh@gmail.com

*Geeta yadav*

Date : 06-06-22



*Normal ECG*

*Dhta 70/ht*

*regulw*

**DR. KAMLESH N. SHAH**

Emergency Mobile No. 72279719-27 M.D. (FICA-USA)

OPD Mobile No. 72279719-28 Reg. No. G-1345

ICU Mobile No. 72279719-29 PRAMUKH MULTISPECIALITY HOSPITAL

24 hours facility for emergency treatment MANINAGAR, AHMEDABAD



**NAME: GEETA S YADAV**

**35YRS/F**

**DATE: 06/06/2022**

**REF.BY: DR. PRAMUKH HOSPITAL**

**U.S.G. OF ABDOMEN**

**Liver:** appears normal in size & shows normal echopattern. No focal lesion is seen. No dilated IHBR is seen. Portal vein and CBD appear normal in course and caliber.

**Gall bladder:** is moderately distended & appears normal. No calculus, sludge or mass is seen. Gall bladder wall thickness appears normal.

**Pancreas:** appears normal in size & echopattern. No focal lesion is seen.

**Spleen:** appears normal in size and shows normal echotexture. No focal lesion is seen. Splenic vein appears normal.

**Both Kidneys** appear normal in size, position and echopattern.  
C-M differentiation is well preserved on either side.  
No calculus or hydronephrosis is seen on either side.  
Cortical thickness appears normal on both sides.  
No focal lesion is seen on either side.

**Urinary bladder** is moderately distended & appears normal. No calculus, internal echoes or mass is seen. Urinary bladder wall thickness appears normal.

**Uterus** appears normal in size & echopattern. No focal lesion is seen

**Both ovaries** appear normal.

No adnexal mass is seen on either side.

Para-aortic region appears normal.

No abdominal lymphadenopathy is seen.

Bowel loops appear normal in caliber & show normal peristalsis.

No abnormal dilatation of bowel loops or wall thickening is seen.

No fluid collection or lump formation is seen in RIF.

No ascites is seen.

No pleural effusion is seen on either side.

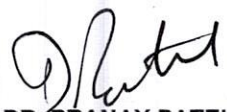
**IMPRESSION:**

- **No significant abnormality identified.**

DR.SANDIP MEVADA  
M.D.

DR.ANIRUDDHSINH RAHEVER  
DMRD DNB

DR. RUCHIT SHAH  
M.D.

  
DR. PRANAY PATEL  
M.D.





**Sanya**  
DIAGNOSTICS

■ MRI ■ CT Scan ■ Sonography ■ Colour Doppler ■ Digital X-Ray ■ 2D - Echo ■ Mammography

**NAME: GEETA S YADAV**  
**REF.BY: DR. PRAMUKH HOSPITAL**

**35YRS/F**

**DATE: 06/06/2022**

**X-RAY CHEST PA VIEW:**

Both lung fields appear normal.

No e/o pleural effusion is seen on either side.

Cardiac size appears normal.


Both domes of diaphragm are normal

The bony thoracic cage appears normal.

**DR.SANDIP MEVADA**  
M.D.

**DR.ANIRUDDHSINH RAHEVER**  
DMRD DNB

**DR. RUCHIT SHAH**  
M.D.

  
**DR. PRANAY PATEL**  
M.D.



Summary

**PRAMUKH MULTI SPECIALITY HOSPITAL**  
 NR. RAILWAY CROSSING, MANINAGAR (E) Ahm. 08.

Ref. By : BOB  
 Medication : NO  
 Objective : NO

1046/GEETA S YADAV 35 Yrs/Female 69 Kg/170 Cms  
 Date: 06-Jun-2022 09:10:27 AM  
 Protocol : BRUCE  
 History : NO

Stage	StageTime (Min:Sec)	PhaseTime (Min:Sec)	Speed (mph)	Grade (%)	METS	H.R. (bpm)	B.P. (mmHg)	R.P.P. x100	PVC	Comments
Supine					1.0	92	120/80	110	-	
Standing					1.0	96	120/80	115	-	
HV					1.0	97	120/80	116	-	
ExStart					1.0	88	120/80	105	-	
Stage 1	3:01	3:02	1.7	10.0	4.7	134	132/86	176	-	
Stage 2	3:01	6:02	2.5	12.0	7.1	172	144/94	247	-	
PeakEx	0:04	6:05	3.4	14.0	7.2	172	144/94	247	-	
Recovery	1:00		0.0	0.0	1.1	126	144/94	181	-	
Recovery	4:00		0.0	0.0	1.0	92	138/86	126	-	
Recovery	7:00		0.0	0.0	1.0	78	138/86	107	-	

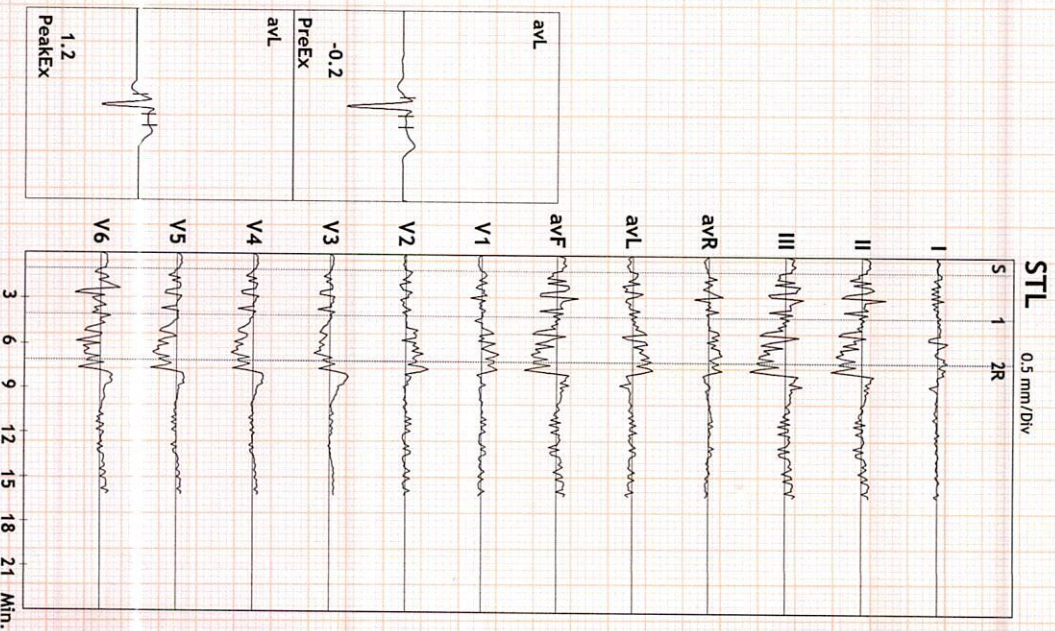
Findings :

Exercise Time : 6:04 minutes  
 Max HR attained : 175 bpm 95% of Max Predictable HR 185  
 Max BP : 144/94(mmHg)  
 Workload attained : 7.2 (Fair Effort Tolerance )  
 No significant ST segment changes noted during exercise or recovery.  
 No Angina/Arrhythmia/S3/murmur  
 Final Impression : Test is negative for inducible ischemia.  
 Maximum Depression: 6:04  
 TARGET HR ACHIEVED.  
 MAX HR.

Advice/Comments:

*CTNYT is mesabur*

*Normal CTNYT*



**DR. KAMLESH N. SHAH**  
 M.D. (FICA-USA)  
 Reg. No. G-1345  
 PRAMUKH MULTISPECIALITY HOSPITAL  
 MANINAGAR, AHMEDABAD.

*Dr. Kamlesh N. Shah*



ST Summary

1046/GEETA S YADAV 35 Yrs/Female 69 Kg/170 Cms  
Date: 06-Jun-2022 09:10:27 AM

Protocol : BRUCE

STL (mm) 60 mSecs Post J	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
Supine	-0.1	0.5	0.7	-0.2	-0.4	0.6	-0.2	-0.2	0.2	0.3	0.3	0.4
Standing	-0.1	0.3	0.4	-0.1	-0.2	0.3	-0.1	-0.1	0.1	0.2	0.2	0.3
HV	-0.1	0.3	0.4	-0.1	-0.2	0.3	-0.1	-0.1	0.1	0.2	0.2	0.3
ExStart	0.0	0.3	0.4	-0.1	-0.2	0.3	-0.1	-0.1	0.1	0.2	0.2	0.3
Stage 1	0.2	-0.2	-0.4	0.0	0.2	-0.3	0.1	0.0	0.0	0.0	0.0	-0.6
Stage 2	0.6	-1.2	-1.9	0.3	1.2	-1.5	0.8	0.7	-0.5	-1.0	-1.2	-0.8
PeakEx	0.6	-1.2	-1.9	0.3	1.2	-1.5	0.8	0.7	-0.5	-1.0	-1.2	-0.8
Recovery	0.0	0.8	0.8	-0.4	-0.4	0.8	-0.3	-0.1	1.1	0.6	0.4	0.6
Recovery	-0.1	-0.4	-0.3	0.2	0.1	-0.4	0.3	0.4	0.0	-0.2	-0.3	-0.2
Recovery	-0.1	0.1	0.2	0.0	-0.2	0.1	-0.1	0.0	0.2	0.1	0.1	0.1
STS mV/Sec.												
Supine	0.1	0.1	0.0	-0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1
Standing	0.1	0.2	0.1	-0.2	0.0	0.1	-0.1	0.2	0.2	0.2	0.2	0.2
HV	0.1	0.2	0.1	-0.2	0.0	0.1	-0.1	0.2	0.2	0.2	0.2	0.2
ExStart	0.1	0.1	0.0	-0.1	0.1	0.1	-0.1	0.1	0.1	0.0	0.1	0.1
Stage 1	0.4	0.7	0.4	-0.6	0.0	0.5	-0.3	0.7	0.8	0.7	0.6	0.3
Stage 2	0.5	0.4	-0.1	-0.4	0.3	0.1	0.7	0.9	1.2	0.9	0.6	1.0
PeakEx	0.5	0.4	-0.1	-0.4	0.3	0.1	0.7	0.9	1.2	0.9	0.6	1.0
Recovery	0.5	1.3	0.8	-0.9	-0.2	1.0	-0.3	0.2	2.2	1.7	1.4	1.2
Recovery	0.0	0.4	0.4	-0.2	-0.2	0.4	-0.1	0.0	0.5	0.3	0.3	0.3
Recovery	0.0	0.2	0.2	-0.1	-0.1	0.2	0.0	-0.1	0.4	0.2	0.1	0.1
STI $\mu$ Vs												
Supine	-1.0	2.9	4.0	-0.8	-2.6	3.5	-1.3	-1.5	1.0	1.4	1.4	2.2
Standing	-1.0	0.9	2.1	0.2	-1.7	1.4	-0.5	-1.0	0.2	0.5	0.3	1.3
HV	-1.0	0.9	2.1	0.2	-1.7	1.4	-0.5	-1.0	0.2	0.5	0.3	1.3
ExStart	-0.2	1.7	2.0	-0.7	-1.3	1.8	-0.4	-0.6	0.5	0.8	0.7	1.5
Stage 1	0.1	-2.5	-2.7	1.3	1.2	-2.5	1.0	-1.7	-1.7	-1.8	-1.3	-3.4
Stage 2	2.4	-8.4	-10.9	2.9	6.5	-9.6	3.4	1.3	-5.1	-7.7	-8.1	-6.5
PeakEx	2.4	-8.4	-10.9	2.9	6.5	-9.6	3.4	1.3	-5.1	-7.7	-8.1	-6.5
Recovery	-1.1	2.8	4.1	-1.1	-2.5	3.5	-1.5	-1.5	1.8	0.2	-0.3	1.1
Recovery	-0.5	-3.3	-2.7	1.9	0.9	-3.1	2.1	2.0	-0.9	-2.0	-2.3	-1.7
Recovery	-0.6	0.0	0.7	0.4	-0.9	0.3	-0.3	-0.3	0.5	0.2	0.0	0.6

*Dr. Kamlesh N. Shah*



Linked Medians Report

PRAMUKH MULTI SPECIALITY HOSPITAL  
NR. RAILWAY CROSSING, MANINAGAR (E) Ahm. 08.

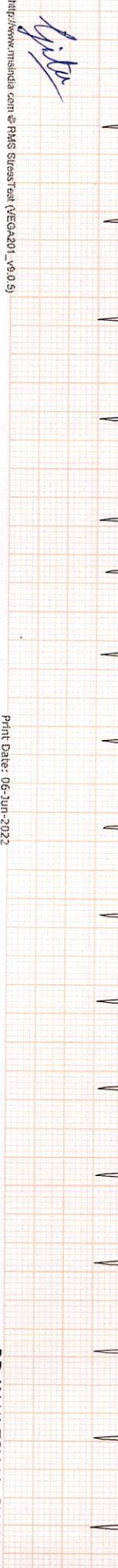
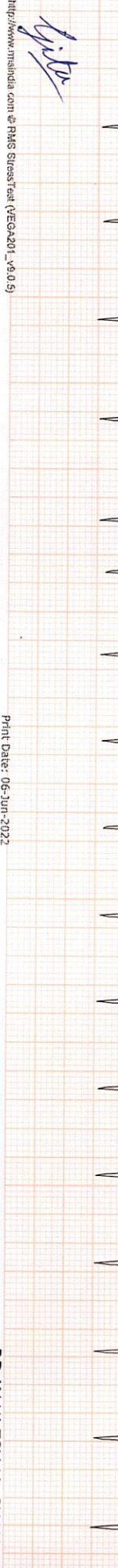
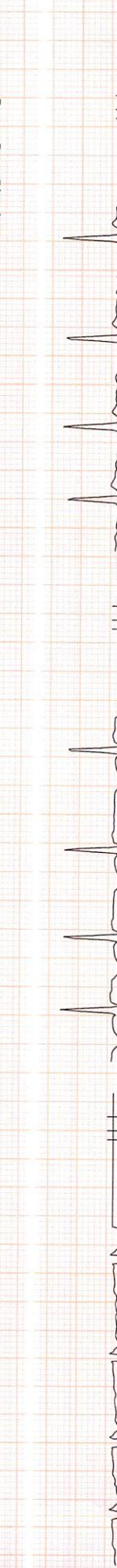
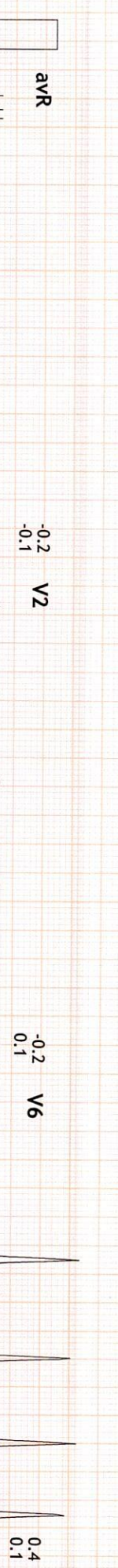
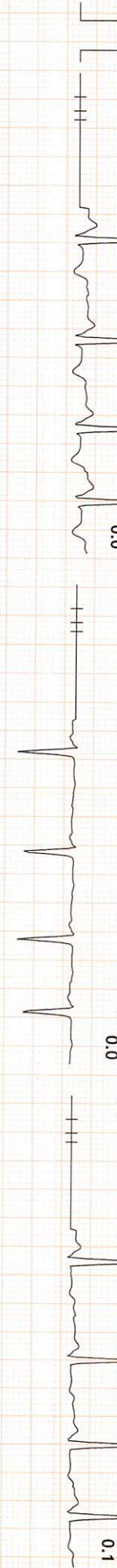
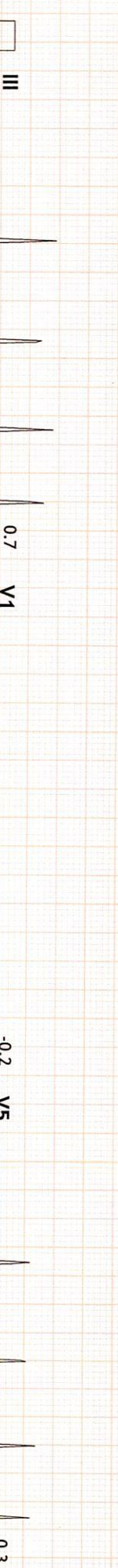
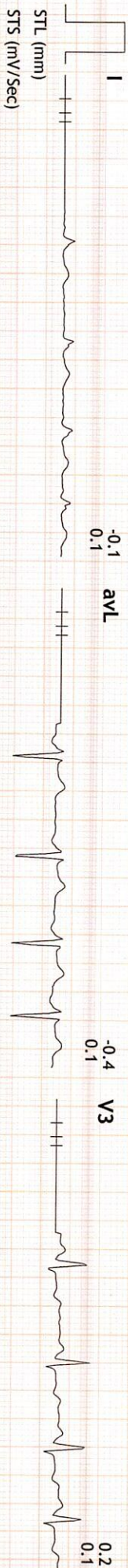
1046/GEETA S YADAV HR: 91 bpm  
35 Yrs/Female METS: 1.0  
69 Kg/170 Cms BP: 120/80  
Date: 06-Jun-2022 09:10:27 AM

MPHR: 49% of 185  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)Hz

Ex Time 00:45  
BLC : 0n  
Notch : 0n

SUPINE  
10.0 mm/mV  
25 mm/Sec.



avR Raw Rhythm

Print Date: 06-Jun-2022

DR. KAMLESH N. SHAH

http://www.mishindia.com @ RAJG StreetTest (VEGA201\_v9.0.5)





Linked Medians Report

**PRAMUKH MULTI SPECIALITY HOSPITAL**  
NR, RAILWAY CROSSING, MANINAGAR (E) Ahm. 08.

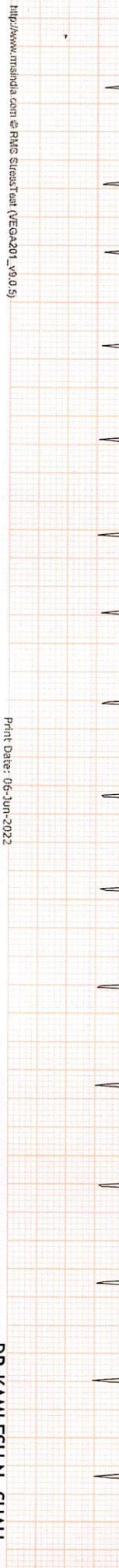
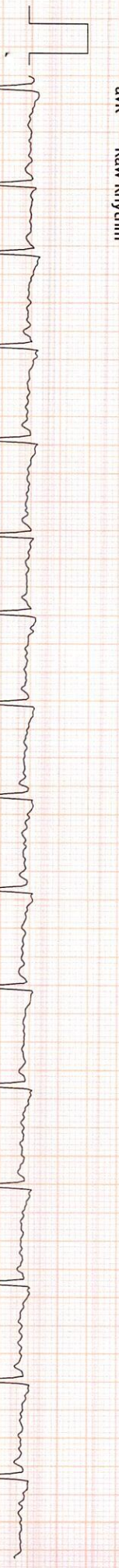
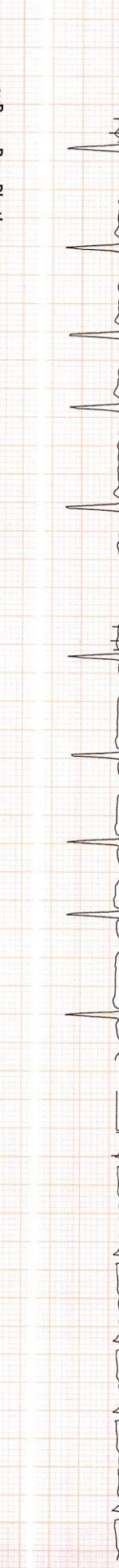
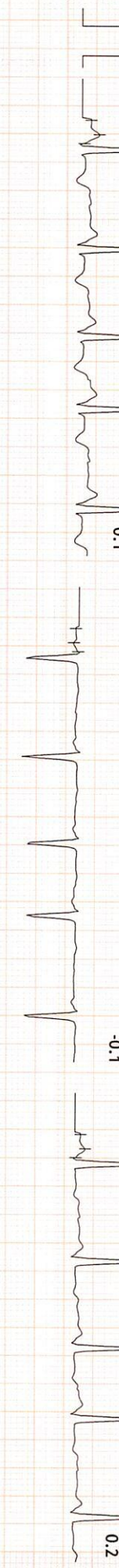
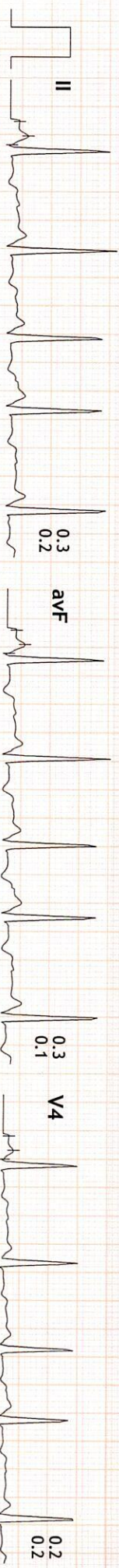
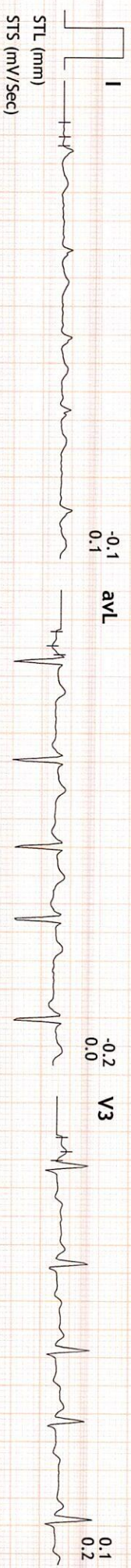
1046/GEETA S YADAV HR: 97 bpm  
35 Yrs/Female METS: 1.0  
69 Kg/170 Cms BP: 120/80  
Date: 06-Jun-2022 09:10:27 AM

MPPH: 52% of 185  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)Hz

Ex Time 00:51  
BLC : On  
Notch : On

STANDING  
10.0 mm/mV  
25 mm/Sec.



avR Raw Rhythm



Linked Medians Report

PRAMUKH MULTI SPECIALITY HOSPITAL  
NR. RAILWAY CROSSING, MANINAGAR (E) Ahm. 08.

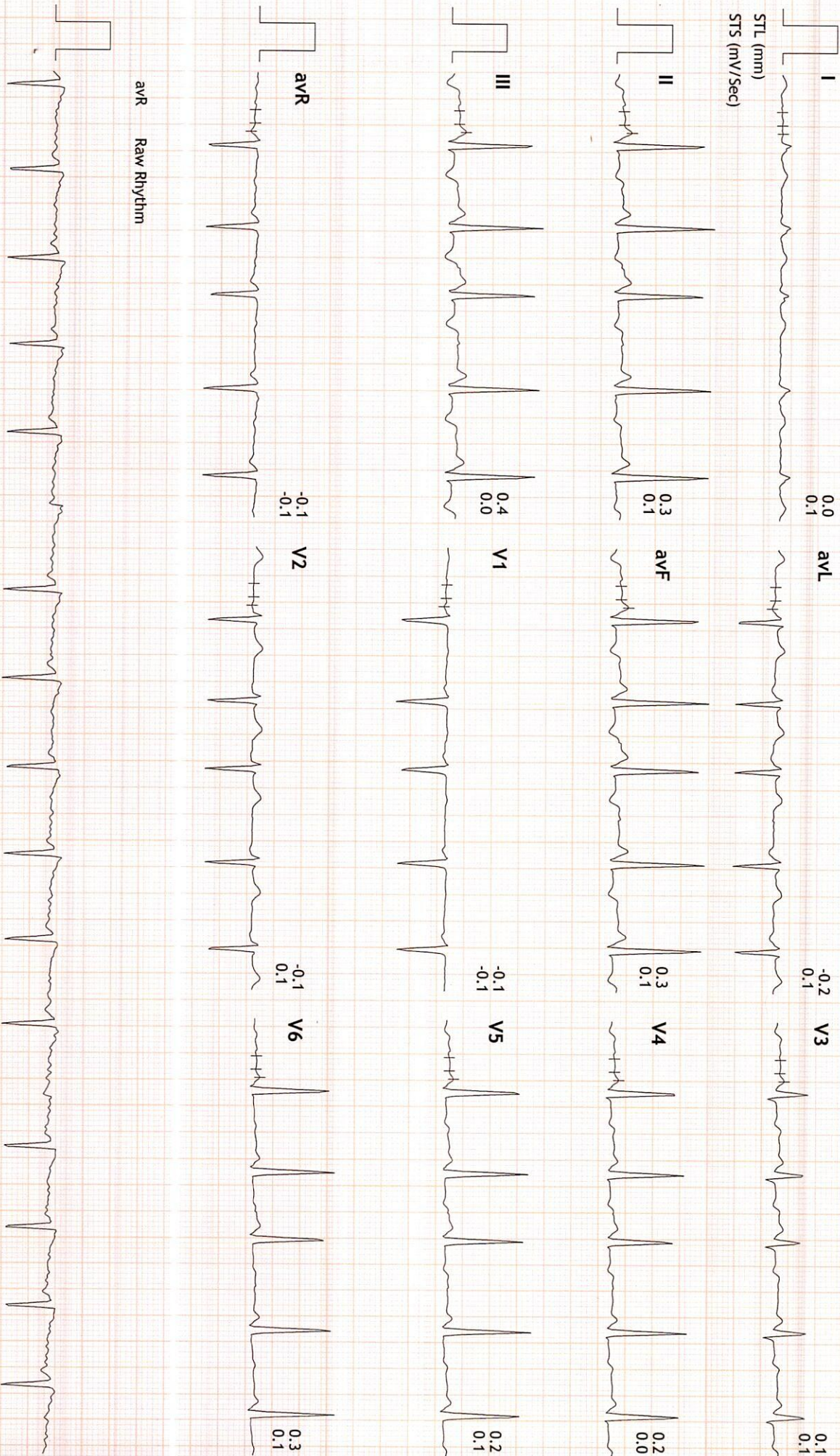
1046/GEETA S YADAV HR: 96 bpm  
35 Yrs/Female METS: 1.0  
69 Kg/170 Cms BP: 120/80  
Date: 06-Jun-2022 09:10:27 AM

MPPH: 51% of 185  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)Hz

Ex Time 00:59  
BLC :On  
Notch :On

HV  
10.0 mm/mV  
25 mm/Sec.





Linked Medians Report

**PRAMUKH MULTI SPECIALITY HOSPITAL**  
NR. RAILWAY CROSSING, MANINAGAR (E) Ahm. 08.

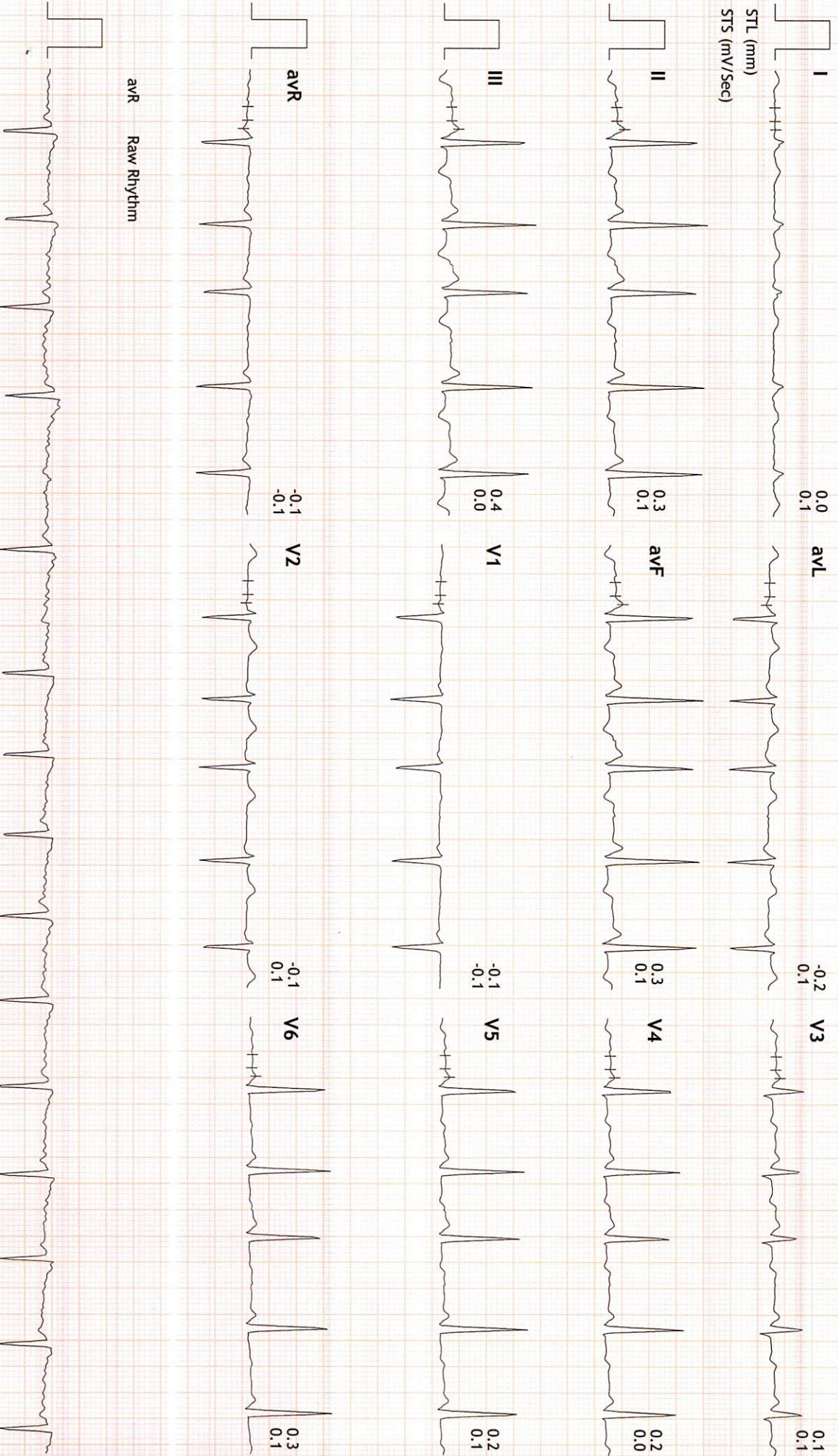
1046/GEETA S YADAV HR: 88 bpm  
35 Yrs/Female METS: 1.0  
69 Kg/170 Cms BP: 120/80  
Date: 06-Jun-2022 09:10:27 AM

MPPH: 47% of 185  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)HZ

Ex Time 00:00  
BLC : On  
Notch : On

ExStart  
10.0 mm/mV  
25 mm/Sec.





Linked Medians Report

**PRAMUKH MULTI SPECIALITY HOSPITAL**  
NR. RAILWAY CROSSING, MANINAGAR (E) Ahm. 08.

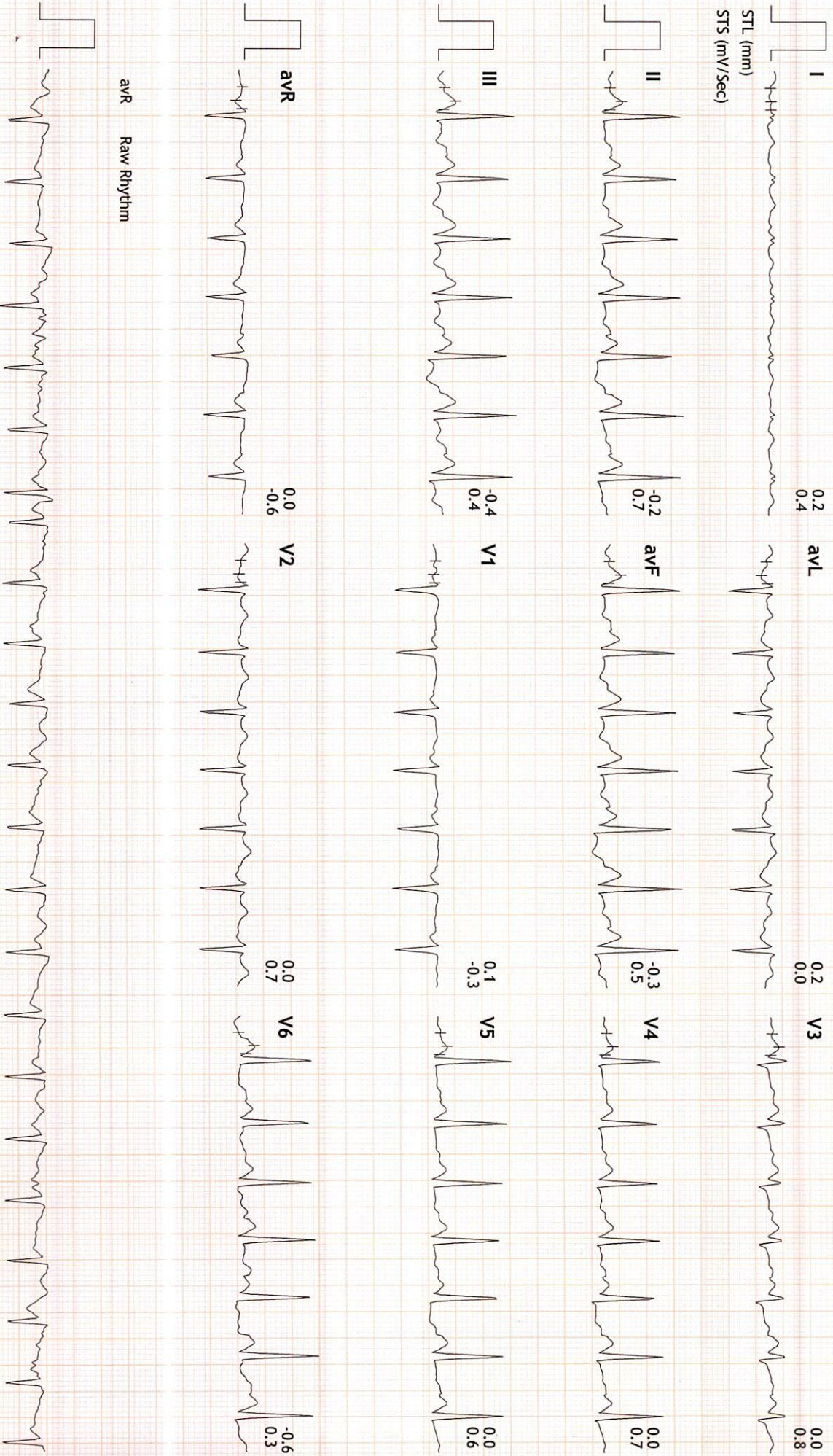
1046/GEETA S YADAV HR: 134 bpm  
35 Yrs/Female METS: 4.7  
69 Kg/170 Cms BP: 132/86  
Date: 06-Jun-2022 09:10:27 AM

MPHR: 72% of 185  
Speed: 1.7 mph  
Grade: 10.0%

BRUCE  
(1.0-100)HZ

Ex Time 03:00  
BLC : On  
Notch : On

Stage 1 ( 03:00 )  
10.0 mm/mV  
25 mm/Sec.





Linked Medians Report

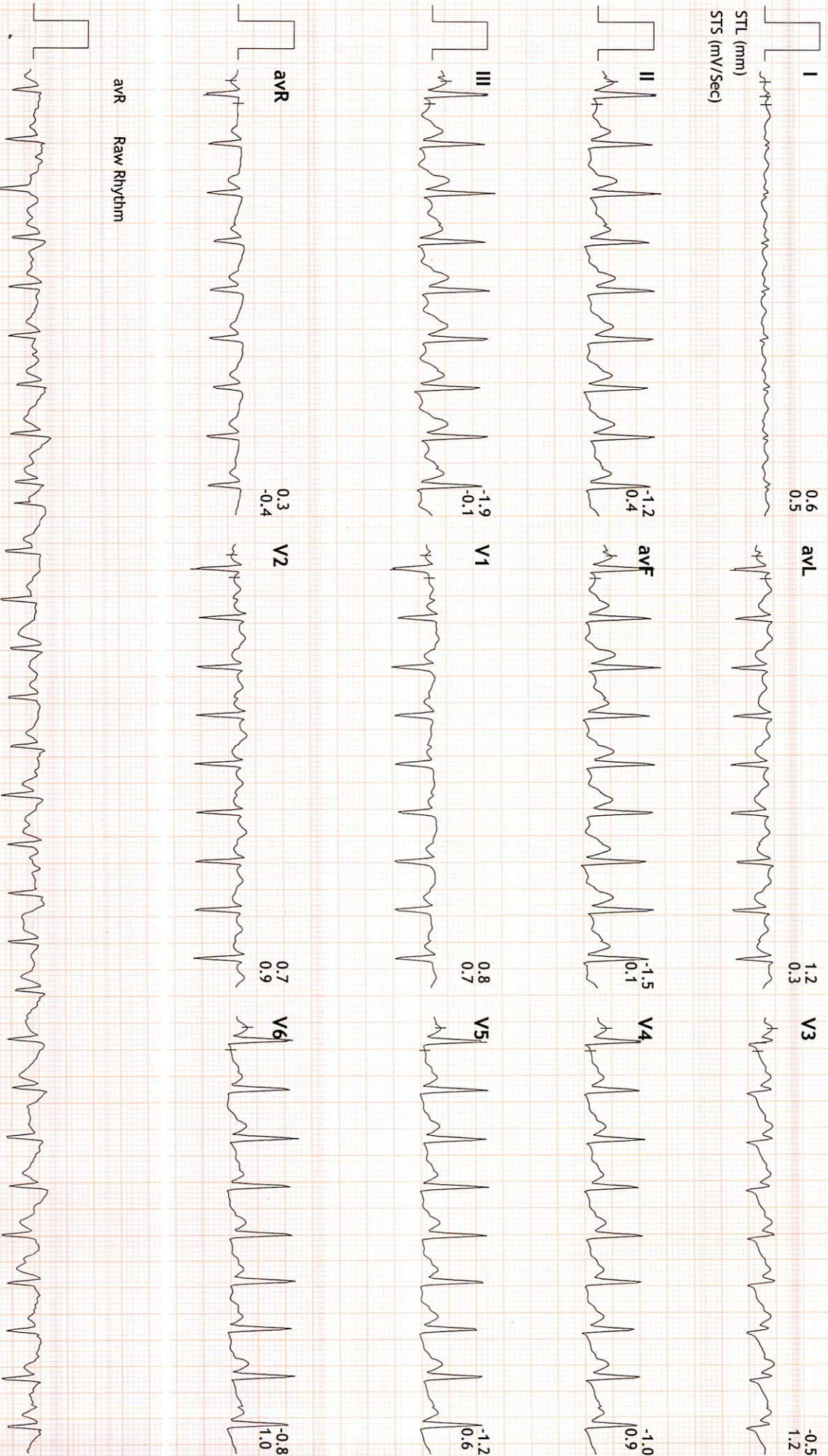
**PRAMUKH MULTI SPECIALITY HOSPITAL**  
NR. RAILWAY CROSSING, MAINNAGAR (E) Amn. 08.

1046/GEETA S YADAV HR: 172 bpm  
35 Yrs/Female METS: 7.1  
69 Kg/170 Cms BP: 144/94  
Date: 06-Jun-2022 09:10:27 AM

MPHR:92% of 185  
Speed: 2.5 mph  
Grade: 12.0%

BRUCE  
(1.0-100)Hz  
Ex Time 06:00  
BLC : On  
Notch : On

Stage 2 ( 03:00 )  
10.0 mm/mV  
25 mm/Sec.





Linked Medians Report

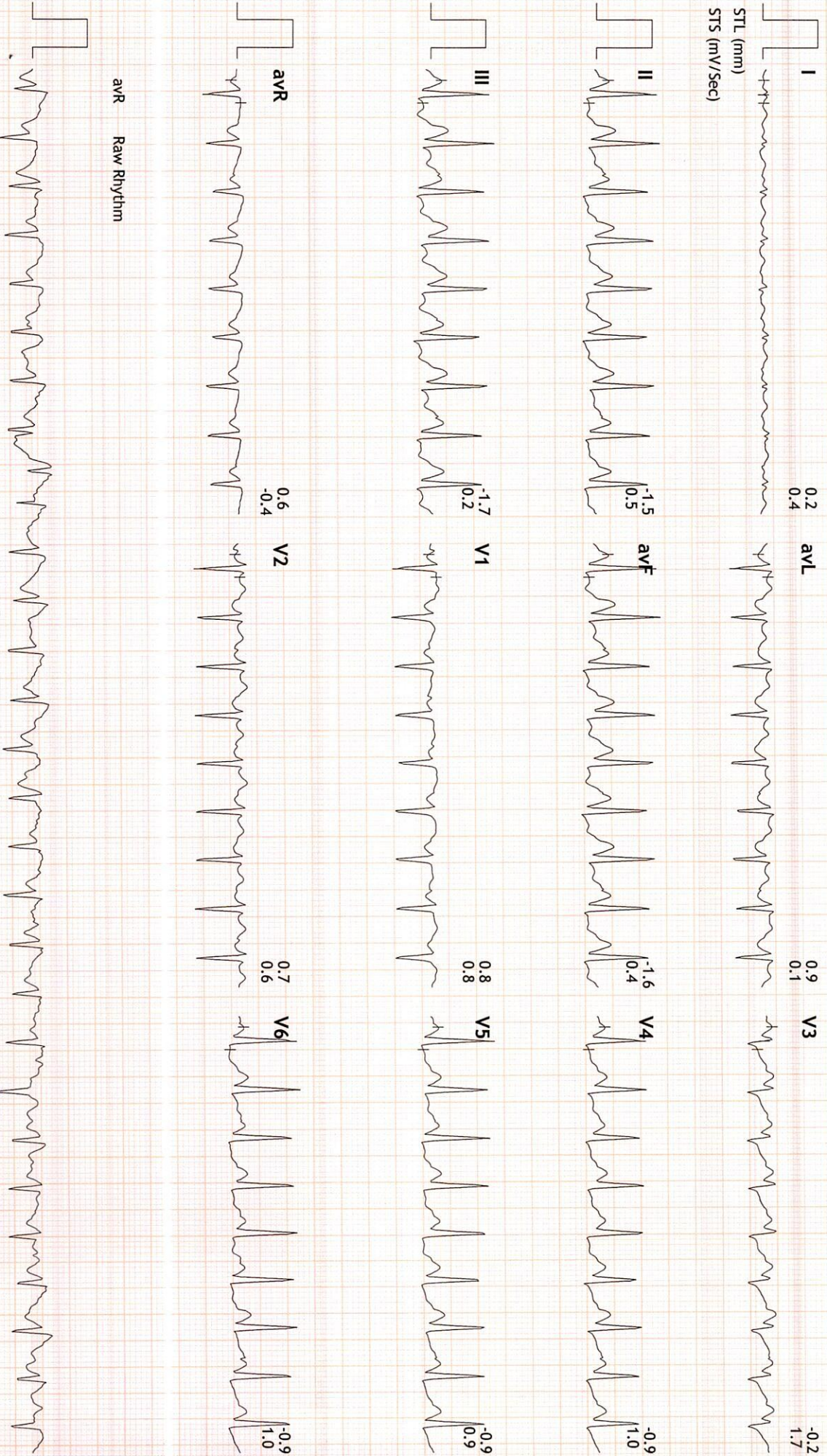
**PRAMUKH MULTI SPECIALITY HOSPITAL**  
NR. RAILWAY CROSSING, MAINNAGAR (E) Amm. 08.

1046/GEETA S YADAV HR: 172 bpm  
35 Yrs/Female METS: 7.2  
69 Kg/170 Cms BP: 144/94  
Date: 06-Jun-2022 09:10:27 AM

MPHR: 92% of 185  
Speed: 3.4 mph  
Grade: 14.0%

BRUCE  
(1.0-100)Hz  
Ex Time 06:03  
BLC : On  
Notch : On

PeakEx  
10.0 mm/mV  
25 mm/Sec.





Linked Medians Report

PRAMUKH MULTI SPECIALITY HOSPITAL  
NR. RAILWAY CROSSING, MAINNAGAR (E) Ahm. 08.

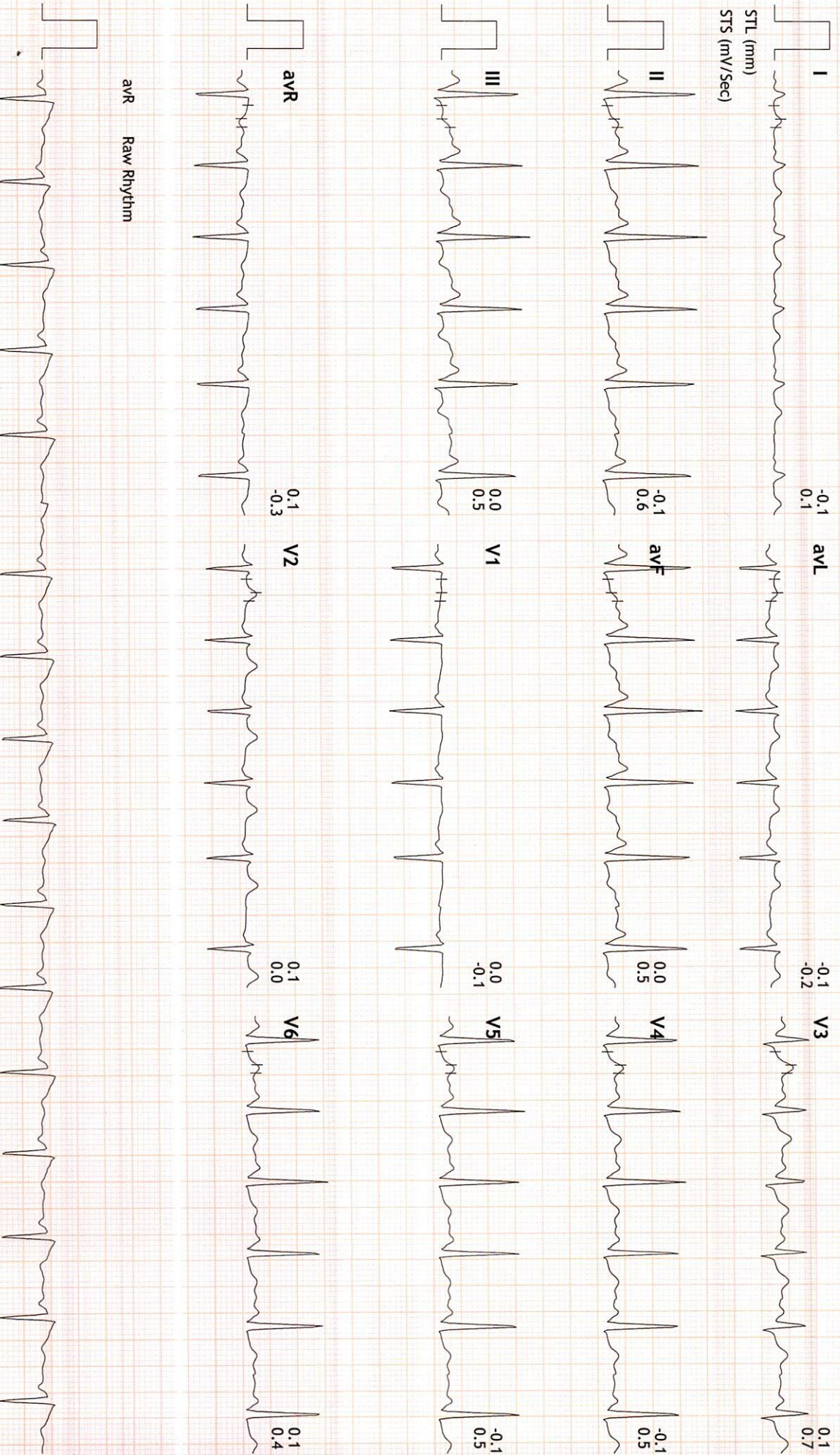
1046/GEETA S YADAV HR: 98 bpm  
35 Yrs/Female METS: 1.0  
69 Kg/170 Cms BP: 144/94  
Date: 06-Jun-2022 09:10:27 AM

MpHR: 52% of 185  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)Hz

Ex Time 06:03  
BLC : On  
Notch : On

Recovery : ( 02:59 )  
10.0 mm/mV  
25 mm/Sec.





Linked Medians Report

**PRAMUKH MULTI SPECIALITY HOSPITAL**  
NR. RAILWAY CROSSING, MANINAGAR (E) Ahm. 08.

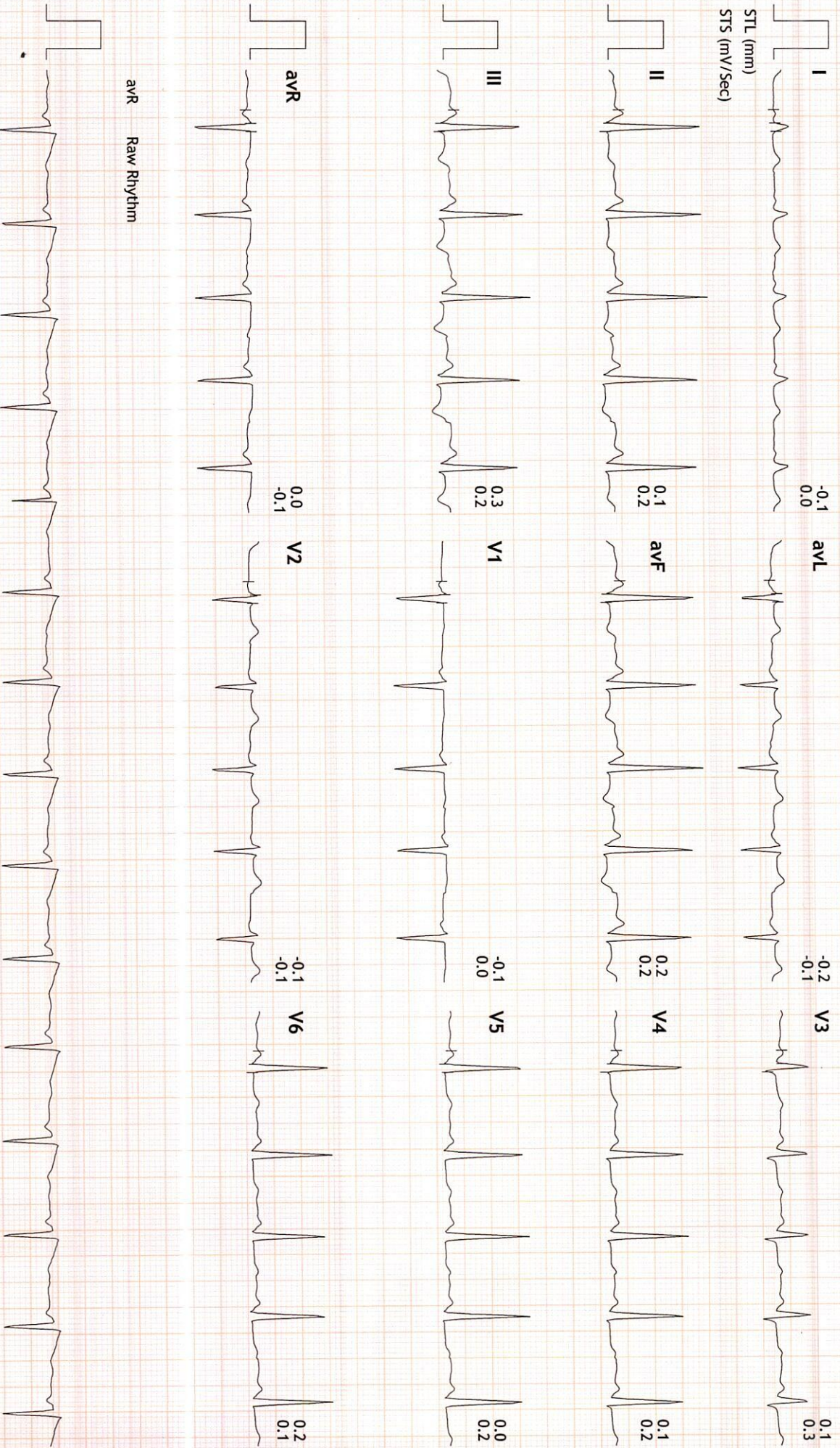
1046/GEETA S YADAV HR: 88 bpm  
35 Yrs/Female METS: 1.0  
69 Kg/170 Cms BP: 138/86  
Date: 06-Jun-2022 09:10:27 AM

MPHR: 47% of 185  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)Hz

Ex Time 06:03  
BLC :On  
Notch :On

Recovery : ( 05:59 )  
10.0 mm/mV  
25 mm/Sec.







Linked Medians Report

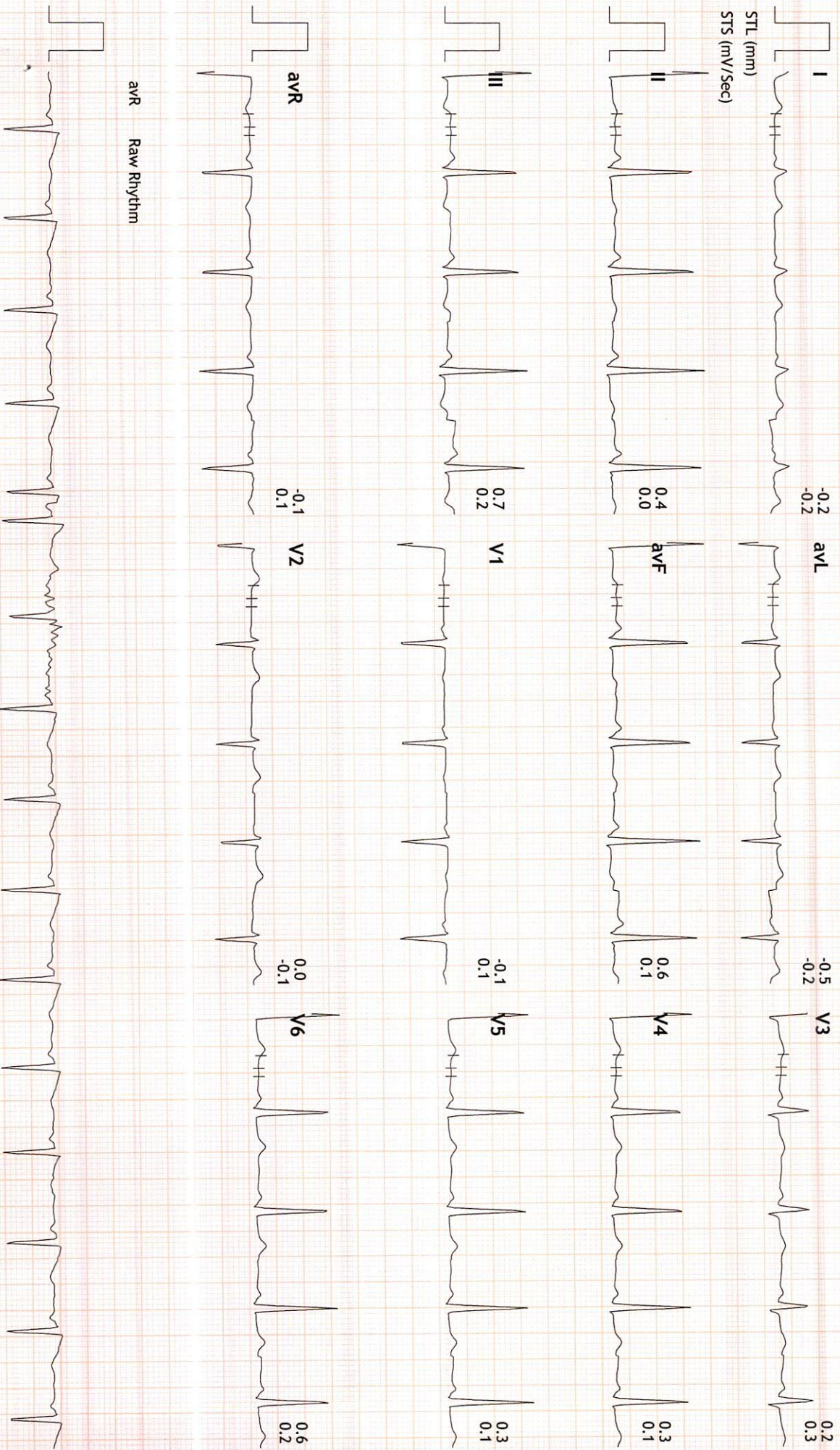
PRAMUKH MULTI SPECIALITY HOSPITAL  
NR. RAILWAY CROSSING, MANINAGAR (E) Ahm. 08.

1046/GEETA S YADAV HR: 92 bpm  
35 Yrs/Female METS: 1.0  
69 Kg/170 Cms BP: 138/86  
Date: 06-Jun-2022 09:10:27 AM

MPHR: 49% of 185 BRUCE  
Speed: 0.0 mph (1.0-100)Hz  
Grade: 0.0%

Ex Time 06:03  
BLC :On  
Notch :On

Recovery : ( 08:59 )  
10.0 mm/mV  
25 mm/Sec.





**Ahmedabad, Gujarat, India**

**Bhawan Avenue, Mansarovar Rd, Ahbab Nagar, Maninagar  
East, Khokhra, Ahmedabad, Gujarat 380008, India**

**Lat N 22° 59' 42.6876" Long E 72° 36' 49.2048"**

**06/06/22 09:11 AM**



ભારત સરકાર

Government of India

ચાલક ગીતા સુશાંત

Yadav Geeta Sushant

જન્મ તારીખ / DOB : 03/07/1987

સ્ત્રી / Female



3710 0335 3516



અધિકાર - સામાજ્ય માણસનો અધિકાર

R PA



GEETABEN YADAV 35/YRS F Female

Chest PA

06/06/2022 11:49:15 AM

SANYA DIAGNOSTICS , MANINAGAR , AHMEDABAD.



Patient Name : Geeta Sushant Yadav  
Sample No.. : 5175  
Referred : Bank Of Baroda

Age/Sex : 35 Years/Female  
Registration On:06/06/2022/13:00  
Approved On :06/06/2022 18:26

## THYROID FUNCTIONS

<u>TEST</u>	<u>RESULT</u>	<u>UNIT</u>	<u>NORMAL VALUE</u>
Serum T3 :	<b>1.27</b>	ng/dl	0.60 - 1.80 ng/dl
Serum T4 :	<b>8.4</b>	microgm/dl	4.50 - 10.9 microgm/dl
Serum T.S.H :	<b>1.62</b>	microU/ml	0.35 - 5.55 microU/ml

### **COMMENTS :**

TSH levels may be affected by acute illness and drugs like doapamine and gluco corticoids.

Low or undetectable TSH is suggestive of Grave~s disease

TSH between 5.5 to 15.0 with normal T3 T4 indicates impaired thyroid hormone or subclinical hypothyroidism or normal T3 T4 with slightly low TSH suggests subclinical Hyperthyroidism.

TSH suppression does not reflect severity of hyperthyroidism therefore , measurement of FT3 ,FT4 is important.

FreeT3 is first hormone to increase in early Hyperthyroidism.

Only TSH level can prove to be misleading in patients on treatment. Therefore FreeT3 , FreeT4 along with TSH should be checked.

During pregnancy clinically T3 T4 can be high and TSH can be slightly low

PATHOLOGIST

**Dr.Satishkumar Patel**

**M.D.,Patho**

**Reg No :G-6486**



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## **COMPLETE BLOOD COUNT**

<b>Test</b>		<b>Result</b>	<b>Unit</b>	<b>Biological Ref. Interval</b>
<b>BLOOD COUNT</b>				
Hemoglobin	colorimetric	12.8	g/dL	12 - 15
R.B.C Count	Electrical impedance	4.85	mill/cmm	3.8 - 4.8
W.B.C Count	Electrical impedance	6.9	10 <sup>3</sup> /uL	4.0 - 10.0
Platelet Count	Electrical impedance	237	10 <sup>3</sup> /uL	150 - 450
<b>DIFFERENTIAL COUNT</b>				
Polymorphs	Microscopic	58	%	60 - 70
Lymphocytes	Microscopic	39	%	20 - 40
Eosinophils	Microscopic	01	%	1 - 6
Monocytes	Microscopic	02	%	2 - 10
Basophils	Microscopic	00	%	0 - 2
<b>BLOOD INDISES</b>				
HCT	Rbc Histogram	39.6	%	36 - 46
MCV	Calculated	81.6	fl	80 - 100
MCH	Calculated	26.4	pg	27 - 32
MCHC	Calculated	32.3	g/dl	32 - 36
RDW-CV	Calculated	14	%	10 - 16.5

### **PERIPHERAL SMEAR EXAMINATION**

SMEAR RBC Line 1: Normochromic normocytic red cells.

SMEAR Platelets: Adequate

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### **Erythrocyte sedimentation rate**

ESR AT 1 hour      westergren      06      mm/Hour      00 - 20

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**BLOOD GROUP**

<b><u>Test</u></b>	<b><u>Result</u></b>
BLOOD GROUP	: "A"
RH GROUP	: POSITIVE.

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## COMPLETE BLOOD CHEMISTRY

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Normal Range</u>
S. Cholesterol	: 156.24	mg/dl	Desirable : < 200 Borderline High : 200 - 239 High : > 240
Serum Triglycerides	: 90.59	mg/dl	Normal : Normal < 150 Borderline : 150 - 199 High : > 200
HDL Cholesterol	: 55.65	mg/dl	40 - 60 mg/dl
Serum LDL Cholesterol (Calculated)	: 82.47	mg/dl	Up to 150
Cholesterol/HDLC Ratio (Calculated)	: 2.81	mg/dl	Up to 5.0
Serum VLDL Cholesterol (Calculated)	: 18.11	mg/dl	Up to 35
LDLC/HDLC Ratio (Calculated)	: 1.48	mg/dl	Up to 3.4
Total Lipid (Calculated)	: 534.95	mg/dl	400 - 1000 mg/dl
Sr. Creatinine	: 0.96	mg/dl	0.5 - 1.1 mg/dl
Sr. Uric Acid	: 2.95	mg/dl	2.4 - 6.2 mg/dl
S. Bilirubin (Total)	: 0.61	mg/dl	up to 1.2
S. Bilirubin (Direct)	: 0.13	mg/dl	up to 0.2
S. Bilirubin (Indirect)	: 0.48	mg/dl	up to 1.0
SGOT	: 30.41	U/L	up to 40
SGPT	: 23.18	U/L	up to 42
GGT	: 13.79	U/L	09 - 36
S.Alkaline Phosphatase	: 51.20	U/L	40 - 129
Total Proteins	: 6.36	g/dl	6.0 - 8.3
Albumin	: 3.92	g/dl	3.5 - 5.2
Globulins	: 2.44	g/dl	2.4 - 3.7
AGRATIO	: 1.607		





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## Glycosylated HB - (HBA1C)

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Biological Ref Interval</u>
<b>HBA1C:</b> (Immunoturbidimetric)	4.8	%	Normal : $\leq 5.6$ Prediabetes : 5.7 - 6.4 Diabetes : $\geq 6.5$ <b>DIABETES CONTROL CRITERIA</b> 6 - 7 : Near Normal Glycemia < 7 : Goal 7 - 8 : Good Control > 8 : Action Suggested
<b>Mean Blood Glucose:</b>	91.06	mg/dl	

### Criteria for the diagnosis of diabetes

- HbA1c  $\geq 6.5$  \*  
Or
- Fasting plasma glucose  $>126$  gm/dL. Fasting is defined as no caloric intake at least for 8 hrs.  
Or
- Two hour plasma glucose  $\geq 200$ mg/dL during an oral glucose tolerance test by using a glucose load containing equivalent of 75 gm anhydrous glucose dissolved in water.  
Or.
- In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose  $\geq 200$  mg/dL. \*In the absence of unequivocal hyperglycemia, criteria 1-3 should be confirmed by repeat testing. American diabetes association. Standards of medical care in diabetes 2011. Diabetes care 2011;34:S11.

### Limitation of HbA1c

- In patients with Hb variants even analytically correct results do not reflect the same level of glycemic control that would be expected in patients with normal population. 2) Any cause of shortened erythrocyte survival or decreased mean erythrocyte survival or decreased mean erythrocyte age eg. hemolytic diseases, pregnancy, significant recent/chronic blood loss etc. will reduce exposure of RBC to glucose with consequent decrease in HbA1c values. 3) Glycated HbF is not detected by this assay and hence specimens containing high HbF ( $>10\%$ ) may result in lower HbA1c values than expected.

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## **BLOOD SUGAR LEVEL**

Specimen :

<b><u>Test</u></b>	<b><u>Result</u></b>	<b><u>Unit</u></b>	<b><u>Biological Ref. Interval</u></b>
<b>Fasting Blood Sugar:</b> (GOD-POD)	<b>78.12</b>	<b>mg/dl</b>	<b>70-110</b>
<b>Post Prandial Blood Glucose:</b> 100.1 (GOD-POD)		<b>mg/dl</b>	<b>100 - 150</b>

American Diabetes Association Reference Range :

Normal : < 100 mg/dl

Impaired fasting glucose(Prediabetes) : 100 - 126 mg/dl

Diabetes : >= 126 mg/dl

Conditions that can result in an elevated blood glucose level include: Acromegaly, Acute stress (response to trauma, heart attack, and stroke for instance), Chronic kidney disease, Cushing syndrome, Excessive consumption of food, Hyperthyroidism, Pancreatitis. A low level of glucose may indicate hypoglycemia, a condition characterized by a drop in blood glucose to a level where first it causes nervous system symptoms (sweating, palpitations, hunger, trembling, and anxiety), then begins to affect the brain (causing confusion, hallucinations, blurred vision, and sometimes even coma and death). A low blood glucose level (hypoglycemia) may be seen with: Adrenal insufficiency, Drinking excessive

alcohol, Severe liver disease, Hypopituitarism, Hypothyroidism, Severe infections, Severe heart failure, Chronic kidney (renal) failure, Insulin overdose, Tumors that produce insulin (insulinomas), Starvation.

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## URINE EXAMINATION

### PHYSICAL :

Colour - **Pale Yellow**  
Deposits - **Absent**  
Transparency - **Clear**  
Reaction - **Acidic**  
Sp. Gravity - **1.007**

### CHEMICAL :

Albumin - **Absent**  
Sugar - **Absent**  
Bile Salts - **Absent**  
Bile Pigments - **Absent**

### MICROSCOPIC: ( After centrifugation at 2000 r.p.m. for 5 minutes )

Pus Cells - **Not seen** /h.p.f.  
Red Cells - **Not seen** /h.p.f.  
Epithelial Cells - **2 - 3** /h.p.f.  
Casts - **Not seen**/l.p.f.  
Crystals - **Not seen**  
Amorphous - **Not seen**



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**BLOOD UREA NITROGEN**

<b><u>Test</u></b>	<b><u>Result</u></b>	<b><u>Unit</u></b>	<b><u>Normal Range</u></b>
Urea:	24.66	mg/dl	10 - 50 mg/dl
Blood Urea Nitrogen:	11.52	mg/dl	08 - 23 mg/dl

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