



**PRAMUKH**  
**MULTI SPECIALITY**  
**HOSPITAL**

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

**MEDICAL EXAMINATION**

DATE :- 26/02/2022

NAME :- RAMESH BAKI

AGE /SEX :- 32 YRS / male

O/E :

T: N

BP: 120/80 mm Hg

P: 60 /- min

RS: BAED

SPO2: 98% on R.A.

CNS: Conloni

CVS: S1+S2+

P/A: Soft

ADV: —

Height: 169cm

Weight: 75 kgs.

BMI: 26

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.

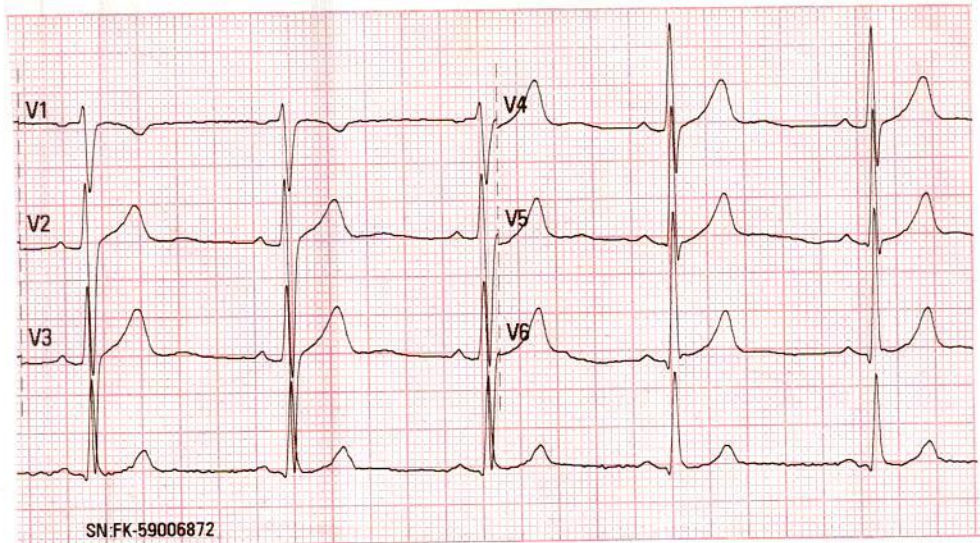
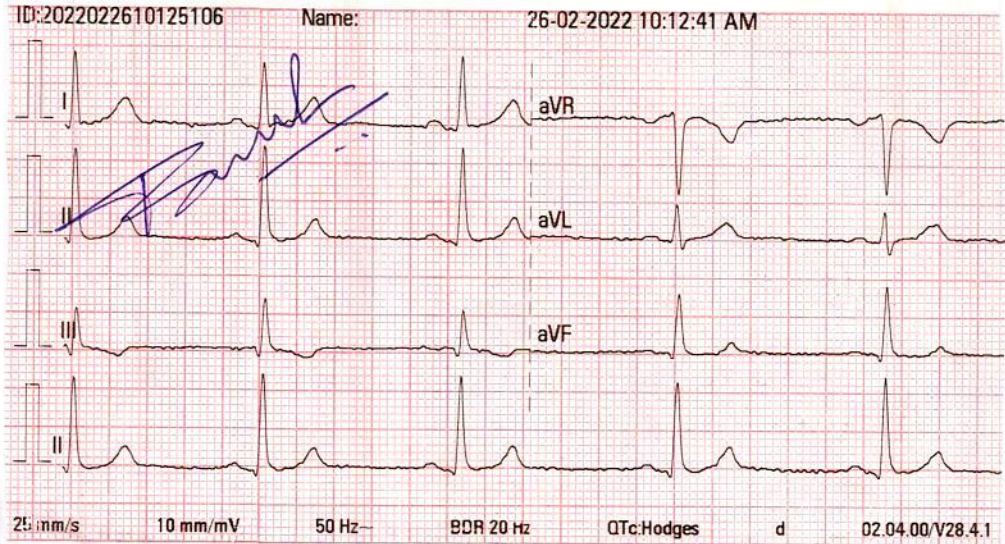




# PRAMUKH MULTI SPECIALITY

## HOSPITAL

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



*Normal ECG*

*Dhruv Gohil  
M.D.*



HELP LINE No. 7227971927

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





Summary

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

875/RAWESH BAKI 32 Yrs/Male 75 Kg/169 Cms

Date: 26-Feb-2022 10:35:04 AM

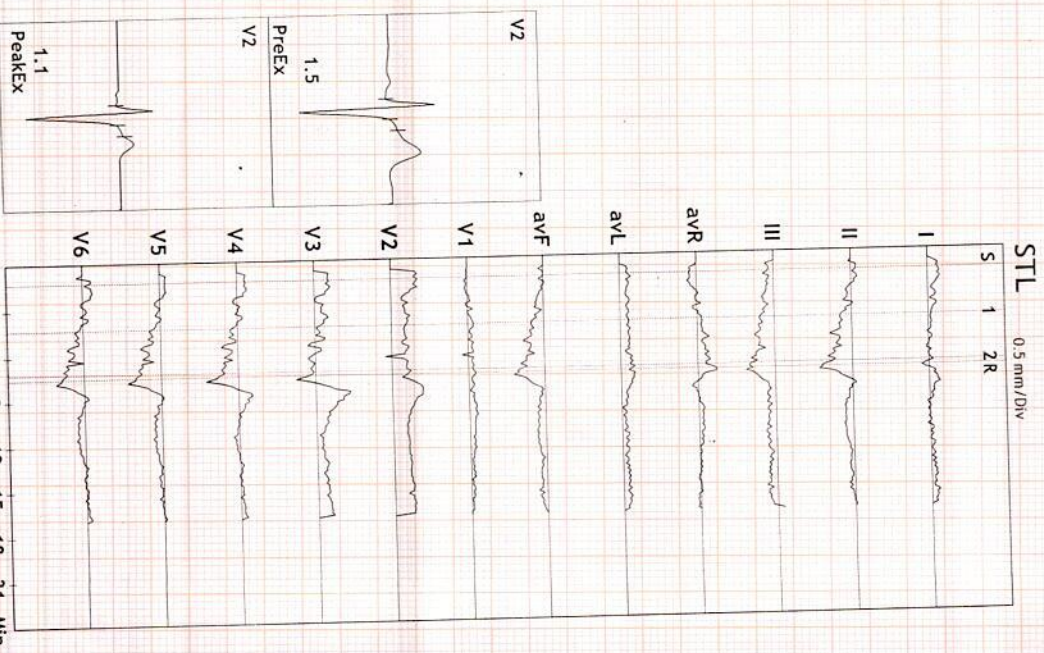
Ref. By : BOB  
 Medication : NO  
 Objective : NO

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	67	120/80	80	-	
Supine					1.0	70	120/80	84	-	
Standing					1.0	72	120/80	86	-	
HV					1.0	63	120/80	75	-	
ExStart					1.0	62	120/80	74	-	
Stage 1	3:01	3:02	1.7	10.0	4.7	132	132/86	174	-	
Stage 2	3:01	6:02	2.5	12.0	7.1	158	140/92	221	-	
PeakEx	0:19	6:20	3.4	14.0	7.4	173	140/92	242	-	
Recovery	1:00		0.0	0.0	1.1	132	140/92	184	-	
Recovery	4:00		0.0	0.0	1.0	97	130/86	126	-	
Recovery	7:00		0.0	0.0	1.0	99	130/86	128	-	
Recovery	8:45		0.0	0.0	1.0	94	130/86	122	-	

Findings :

Exercise Time : 6:19 minutes  
 Max HR attained : 171 bpm 91% of Max Predictable HR 188  
 Max BP : 140/92(mmHg)  
 Workload attained : 7.4 (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: 6:19  
 TARGET HR ACHIEVED.



*TNT is normal*  
*TNT is normal*

*[Signature]*

**DR. KAMLESH N. SHAH**  
 M.D. (FICA-USA)  
 PRAMUKH MULTISPECIALITY HOSPITAL  
 W-3, MANINAGAR, AHMEDABAD.





ST Summary

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

875/RAMESH BAKI 32 Yrs/Male 75 Kg/169 Cms

Date: 26-Feb-2022 10:35:04 AM

Protocol : BRUCE

STL (mm) 60 mSecs Post J	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
Supine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Supine	0.7	0.3	-0.4	-0.5	0.5	0.0	0.0	1.7	0.9	0.5	0.3	0.5
Standing	0.7	0.3	-0.4	-0.5	0.5	0.0	0.0	1.7	0.9	0.5	0.3	0.5
HV	0.7	0.3	-0.4	-0.5	0.5	0.0	0.0	1.7	0.9	0.5	0.3	0.5
ExStart	0.6	0.3	-0.3	-0.4	0.4	0.0	-0.1	1.5	0.9	0.5	0.3	0.5
Stage 1	0.2	-0.7	-0.9	0.3	0.5	-0.8	0.3	1.0	0.4	-0.2	-0.4	-0.2
Stage 2	0.1	-1.1	-1.2	0.5	0.6	-1.1	0.2	0.9	-0.2	-0.9	-1.3	-1.1
PeakEx	-0.2	-1.9	-1.7	1.0	0.7	-1.8	0.4	1.1	-0.3	-1.2	-1.6	-1.4
Recovery	0.5	-0.4	-0.9	0.0	0.7	-0.6	0.3	2.0	1.3	0.2	-0.3	-0.2
Recovery	0.0	-0.6	-0.6	0.3	0.3	-0.6	0.3	0.9	0.1	-0.4	-0.6	-0.6
Recovery	0.1	-0.3	-0.4	0.1	0.3	-0.4	0.3	1.1	0.7	0.0	-0.2	-0.1
Supine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Supine	0.6	0.0	-0.6	-0.3	0.6	-0.3	0.1	1.7	0.9	0.4	0.1	0.1
Standing	0.6	0.0	-0.6	-0.3	0.6	-0.3	0.1	1.7	0.9	0.4	0.1	0.1
HV	0.6	0.0	-0.6	-0.3	0.6	-0.3	0.1	1.7	0.9	0.4	0.1	0.1
ExStart	0.6	-0.1	-0.7	-0.2	0.6	-0.4	0.2	1.7	1.0	0.5	0.0	0.0
Stage 1	0.4	0.1	-0.3	-0.3	0.3	-0.1	0.2	1.5	1.6	1.0	0.6	0.6
Stage 2	1.0	0.5	-0.5	-0.7	0.7	0.0	-0.2	1.8	1.8	1.0	0.6	0.7
PeakEx	0.6	-0.1	-0.7	-0.2	0.6	-0.4	0.0	1.6	1.8	1.1	0.5	0.6
Recovery	1.6	1.7	0.1	-1.7	0.8	0.9	-0.5	2.9	3.3	2.1	1.4	1.7
Recovery	0.2	-0.1	-0.3	0.0	0.3	-0.2	0.3	1.4	1.2	0.4	0.0	-0.1
Recovery	0.3	-0.1	-0.4	-0.1	0.4	-0.2	0.2	1.2	1.1	0.3	-0.1	-0.1

STI on Next Page

DR. KAMLESH N. SHAH

Print Date: 26-Feb-2022





STI	μVs	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
	Supine	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Supine	2.8	1.2	-1.5	-1.8	2.1	-0.2	-0.1	7.7	3.8	2.1	1.5	2.4
	Standing	2.8	1.2	-1.5	-1.8	2.1	-0.2	-0.1	7.7	3.8	2.1	1.5	2.4
	HV	2.8	1.2	-1.5	-1.8	2.1	-0.2	-0.1	7.7	3.8	2.1	1.5	2.4
	ExStart	2.3	1.4	-0.9	-1.7	1.5	0.2	-0.2	6.5	3.6	1.8	1.4	2.7
	Stage 1	0.4	-4.6	-4.9	2.1	2.6	-4.8	2.1	3.9	-0.4	-3.0	-3.8	-3.0
	Stage 2	-2.0	-7.8	-5.7	4.9	1.6	-6.7	2.3	1.9	-4.8	-7.5	-8.8	-8.2
	PeakX	-2.6	-11.2	-8.7	6.8	2.8	-9.9	2.3	3.3	-4.9	-9.3	-10.7	-9.9
	Recovery	-0.7	-6.2	-5.5	3.5	2.5	-5.9	2.9	5.5	0.5	-3.0	-4.8	-5.0
	Recovery	-0.1	-3.9	-3.6	2.1	1.7	-3.8	1.8	3.4	-1.2	-3.1	-3.8	-3.7
	Recovery	0.3	-2.1	-2.4	0.9	1.3	-2.2	1.5	4.9	2.1	-0.5	-1.3	-0.6

*[Handwritten signature]*





Linked Medians Report

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

875/RAMESH BAKI      HR: 72 bpm  
32 Yrs/Male      METS: 1.0  
75 Kg/169 Cms      BP: 120/80  
Date: 26-Feb-2022 10:35:04 AM

MPHR: 38% of 188  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)Hz

Ex Time 01:01  
BLC :On  
Notch :On

SUPINE  
10.0 mm/mV  
25 mm/Sec.



DR. KAMLESH N. SHAH

Print Date: 26-Feb-2022





Linked Medians Report

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

875/RAMESH BAKI HR: 67 bpm  
32 Yrs/Male METS: 1.0  
75 Kg/169 Cms BP: 120/80  
Date: 26-Feb-2022 10:35:04 AM

MPHR: 35% of 188  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)Hz

Ex Time 00:46  
BLC : On  
Notch : On

SUPINE  
10.0 mm/mV  
25 mm/Sec.



avR Raw Rhythm





Linked Medians Report

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

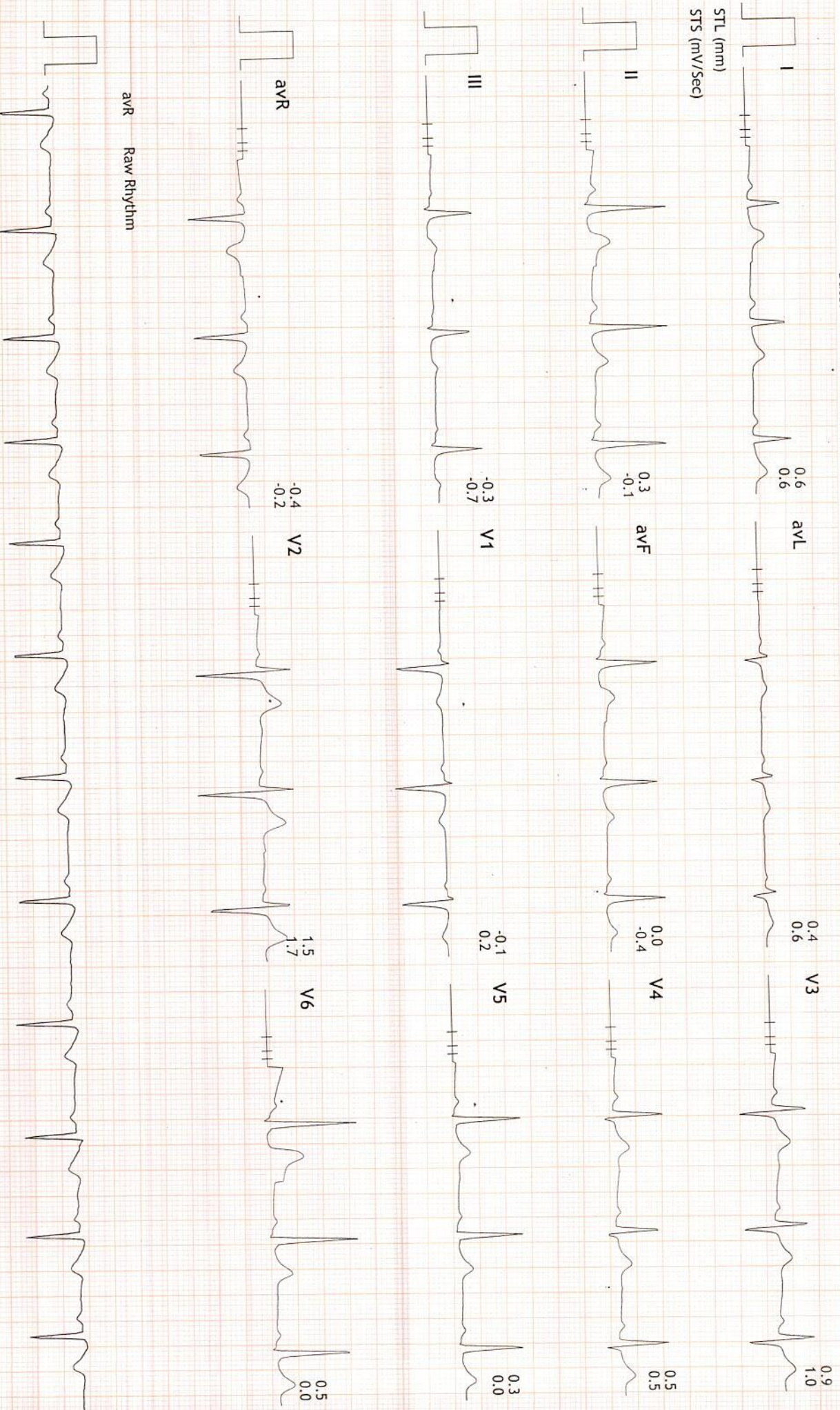
875/RAMESH BAKI HR: 72 bpm  
32 Yrs/Male METS: 1.0  
75 Kg/169 Cms BP: 120/80  
Date: 26-Feb-2022 10:35:04 AM

MPHR: 38% of 188  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)HZ

Ex Time 01:05  
BLC : On  
Notch : On

STANDING  
10.0 mm/mV  
25 mm/Sec.







Linked Medians Report

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

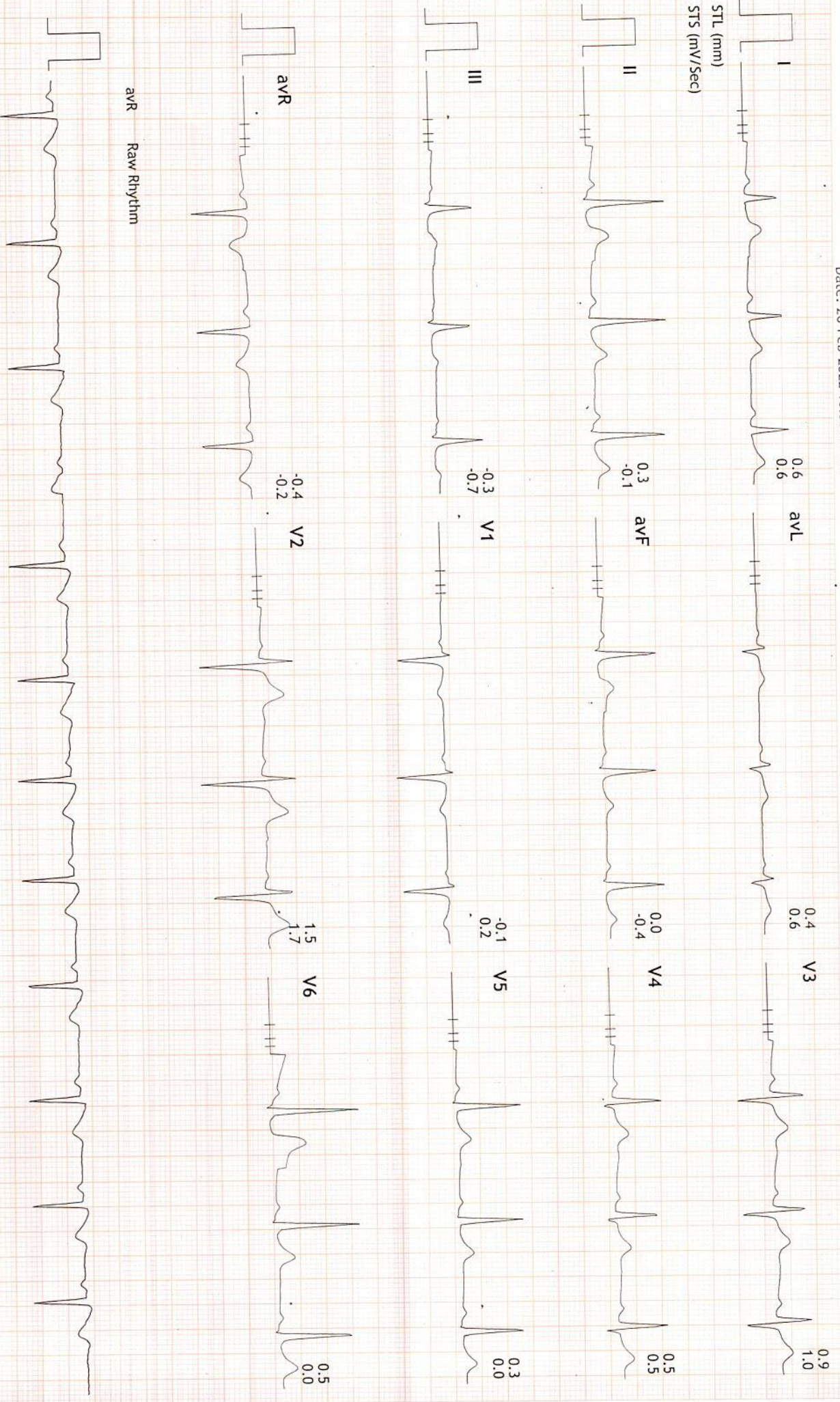
875/RAMESH BAKI      HR: 63 bpm  
32 Yrs/Male      METS: 1.0  
75 Kg/169 Cms      BP: 120/80  
Date: 26-Feb-2022 10:35:04 AM

MPHR: 33% of 188  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)Hz

Ex Time 01:09  
BLC :On  
Notch :On

HV  
10.0 mm/mV  
25 mm/Sec.







Linked Medians Report

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

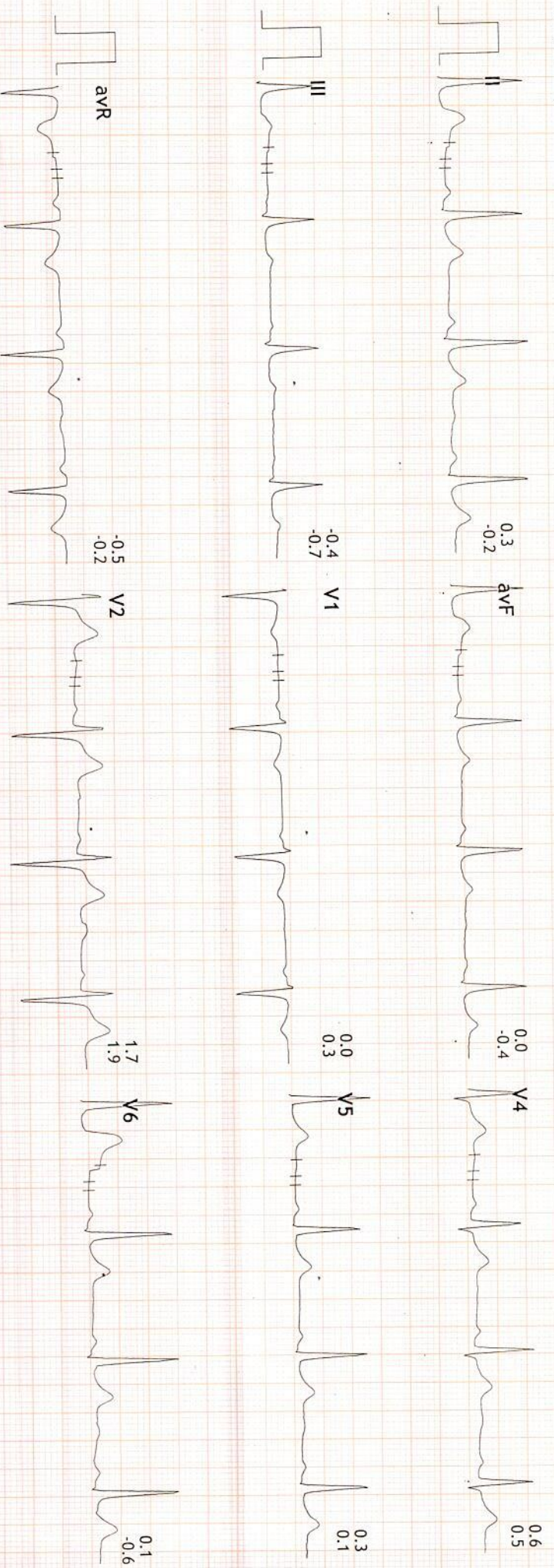
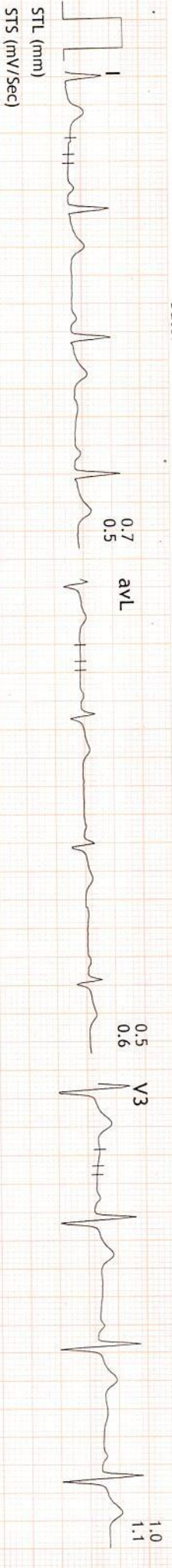
875/RAMESH BAKI HR: 62 bpm  
32 Yrs/Male METS: 1.0  
75 Kg/169 Cms BP: 120/80  
Date: 26-Feb-2022 10:35:04 AM

MPHR: 32% of 188  
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, MAINNAGAR (E) Ahm. 08.

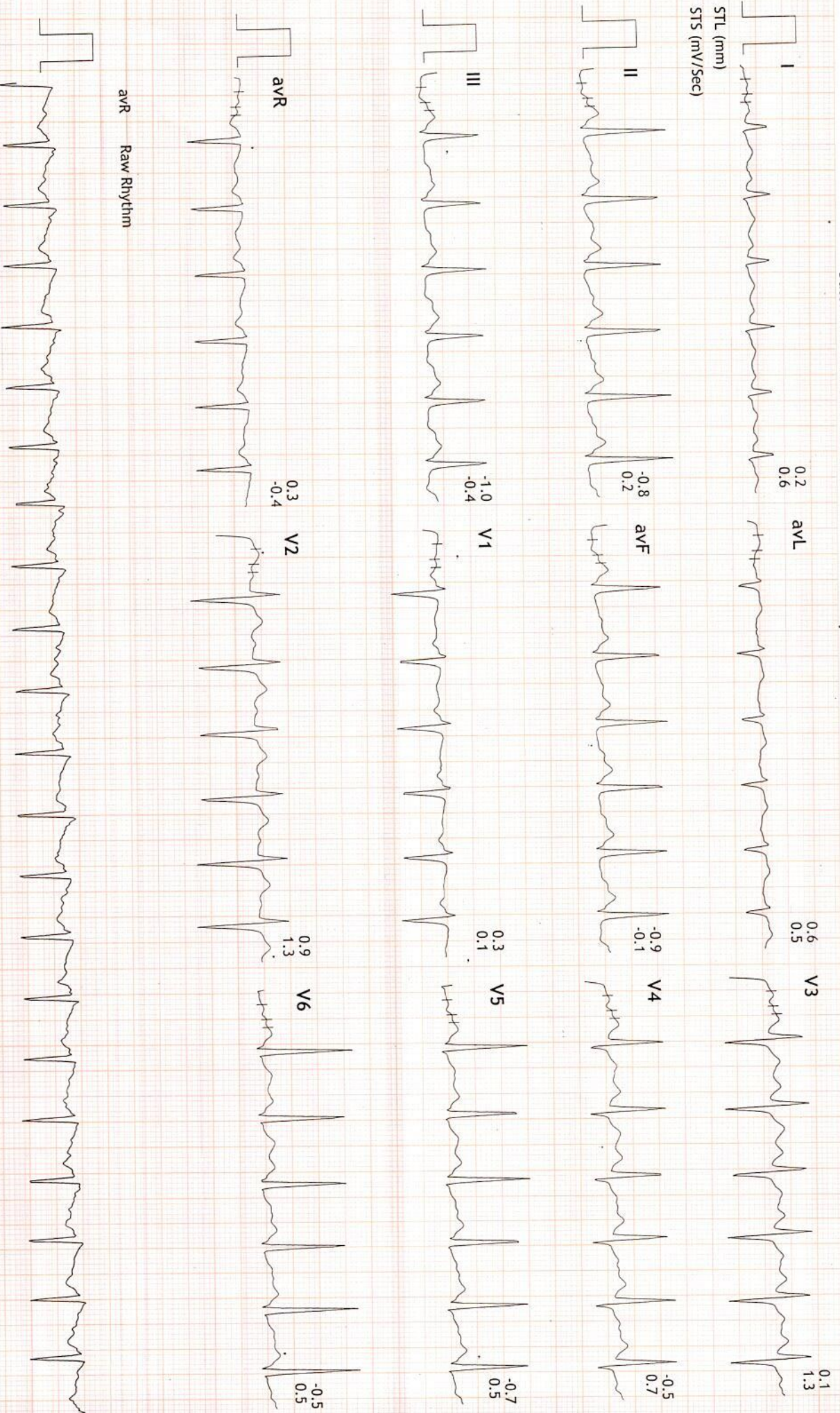
875/RAMESH BAKI      HR: 132 bpm  
32 Yrs/Male      METS: 4.7  
75 Kg/169 Cms      BP: 132/86  
Date: 26-Feb-2022 10:35:04 AM

MPHR: 70% of 188  
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.



avR Raw Rhythm





Linked Medians Report

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

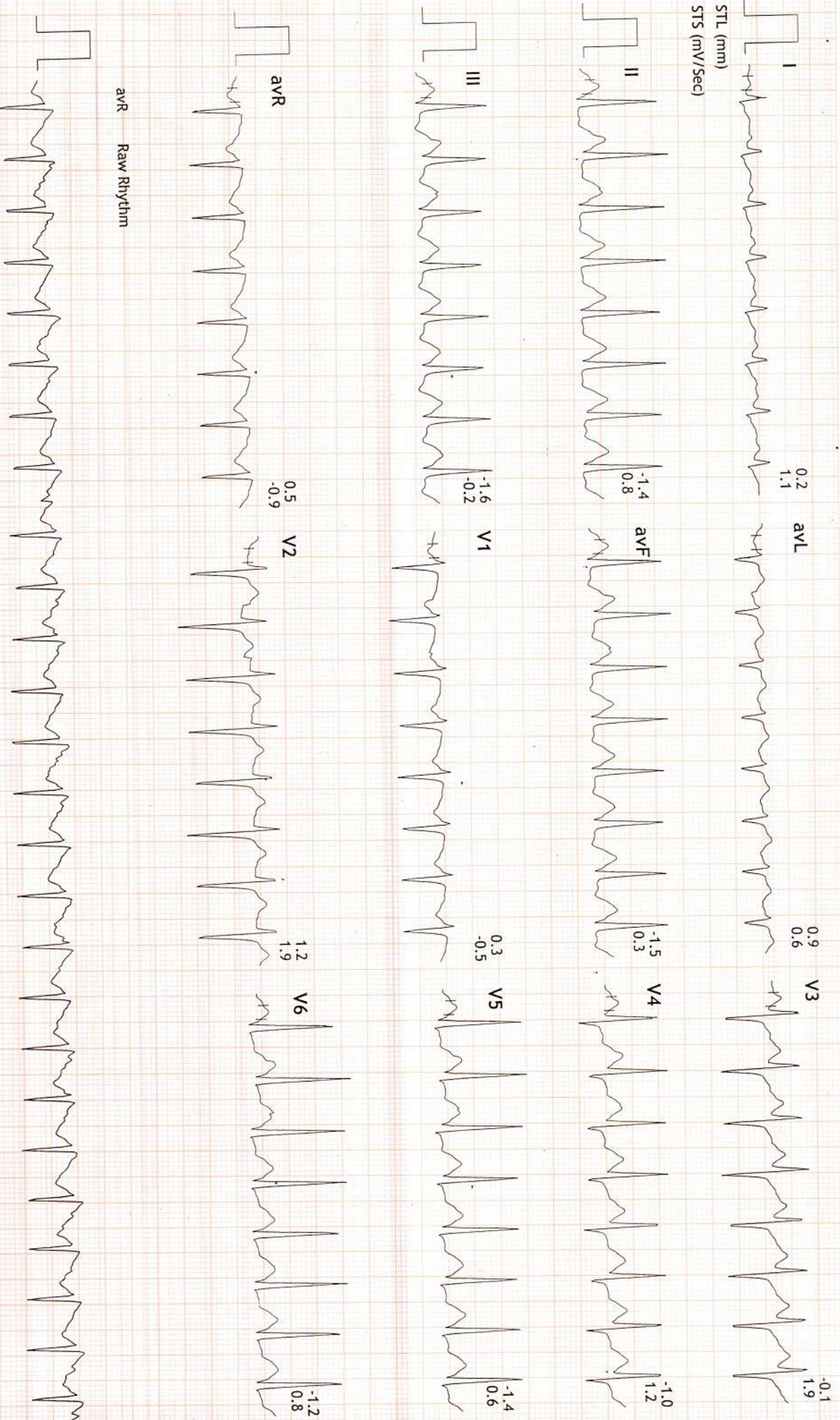
875/RAMESH BAKI      HR: 158 bpm  
32 Yrs/Male      METS: 7.1  
75 Kg/169 Cms      BP: 140/92  
Date: 26-Feb-2022 10:35:04 AM

MPHR:84% of 188  
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.



avR Raw Rhythm





Linked Medians Report

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

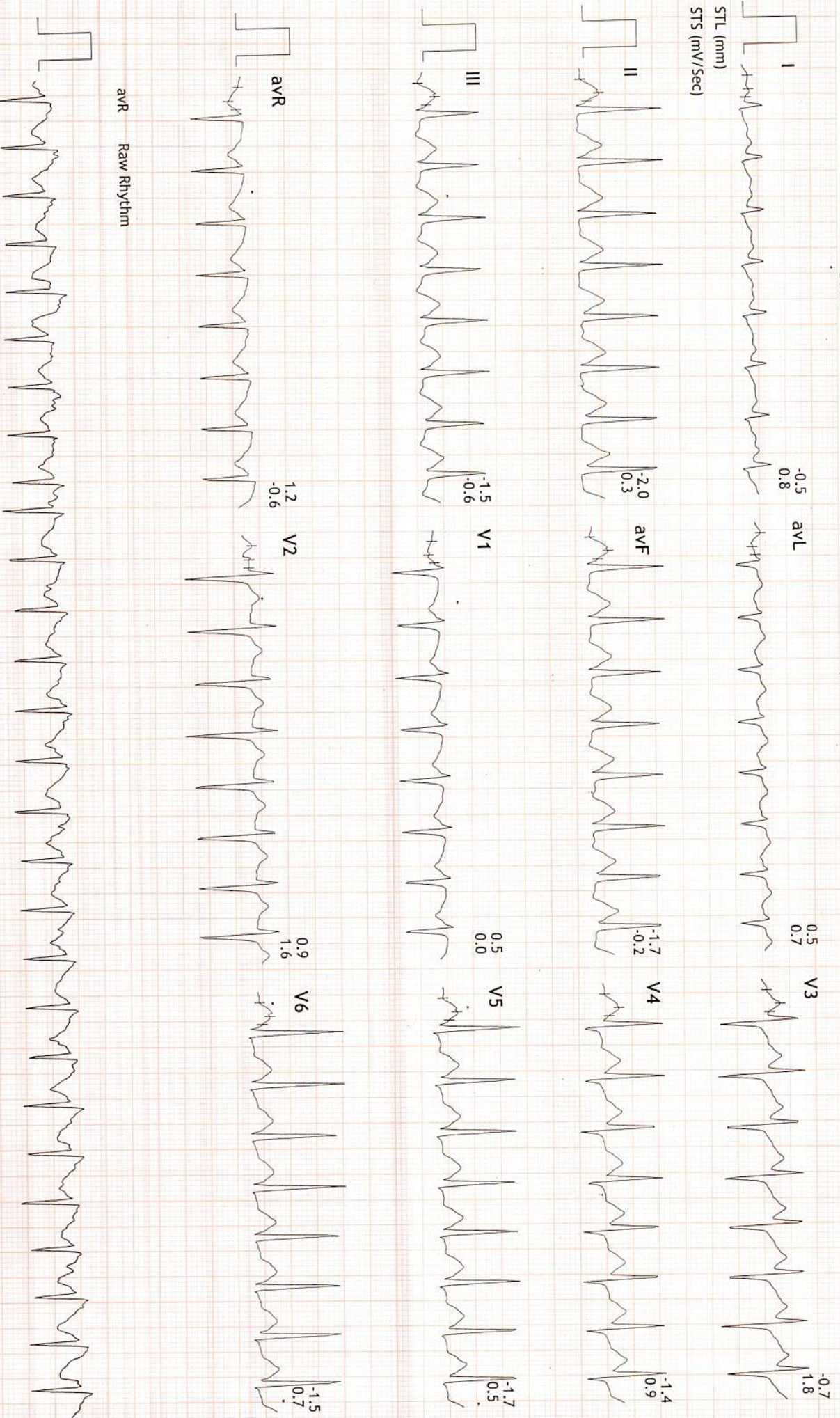
875/RAMESH BAKI HR: 173 bpm  
32 Yrs/Male METS: 7.4  
75 Kg/169 Cms BP: 140/92  
Date: 26-Feb-2022 10:35:04 AM

MPHR: 92% of 188  
Speed: 3.4 mph  
Grade: 14.0%

BRUCE  
(1.0-100)HZ

Ex Time 06:18  
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.

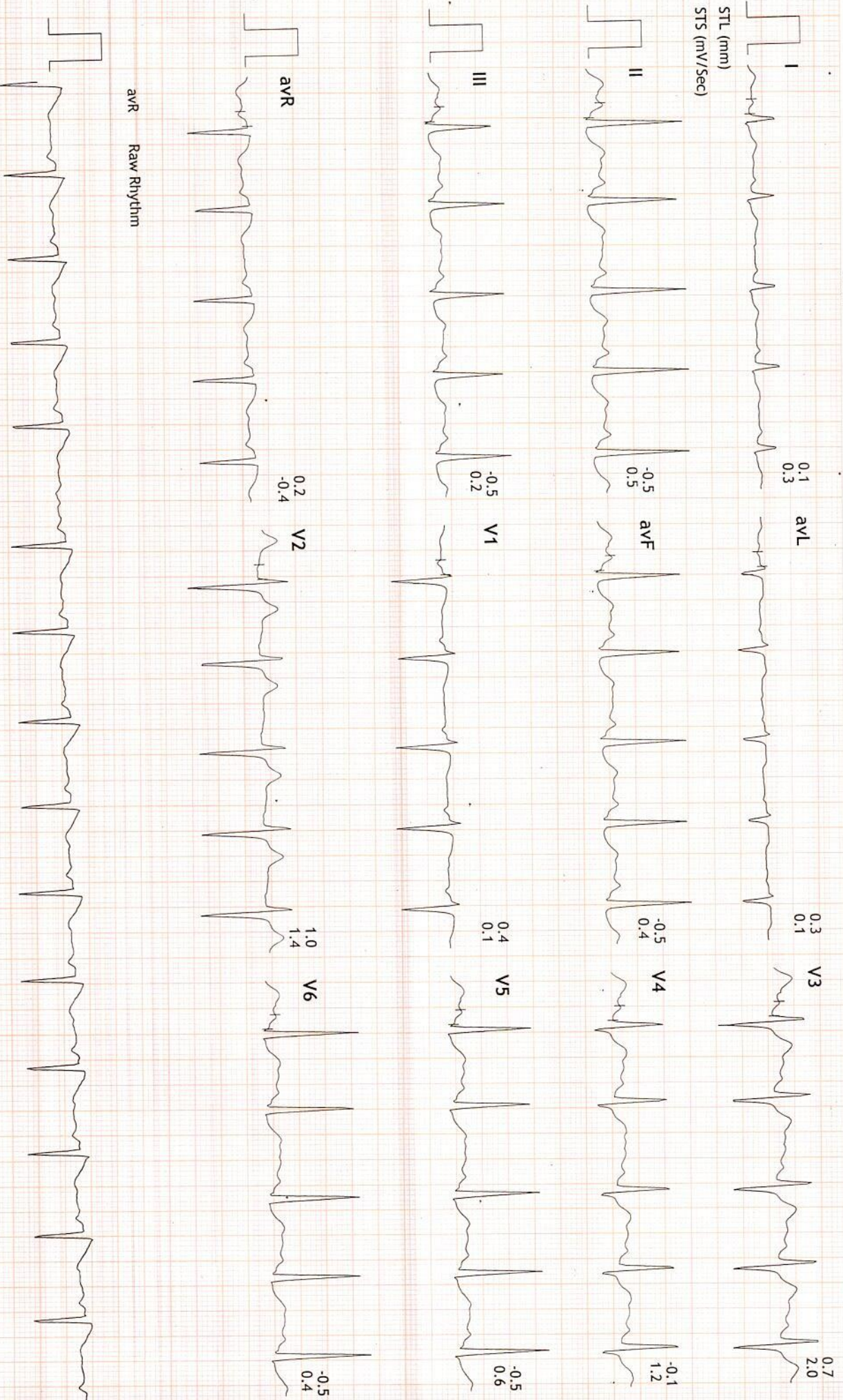
875/RAMESH BAKI HR: 95 bpm  
32 Yrs/Male METS: 1.0  
75 Kg/169 Cms BP: 140/92  
Date: 26-Feb-2022 10:35:04 AM

MPHR: 50% of 188  
Speed: 0.0 mph  
Grade: 0.0%

BRUCE  
(1.0-100)HZ

Ex Time 06:18  
BLC : On  
Notch : On

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







Linked Medians Report

875/RAMESH BAKI HR: 95 bpm  
32 Yrs/Male METS: 1.0  
75 Kg/169 Cms BP: 130/86  
Date: 26-Feb-2022 10:35:04 AM

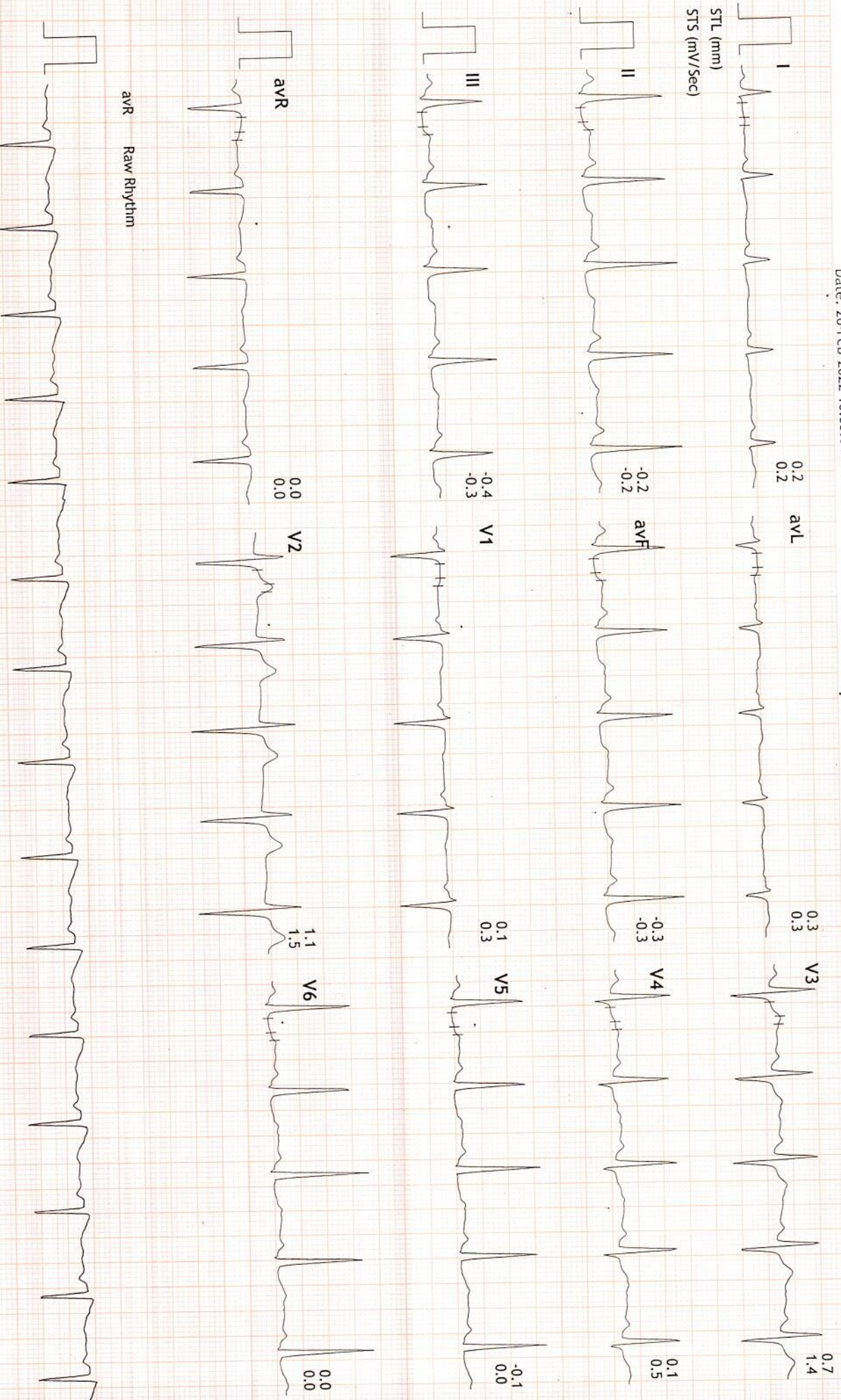
**PRAMUKH MULTI SPECIALITY HOSPITAL**  
NR. RAILWAY CROSSING, MANINAGAR (E) Ahm. 08.

MpHR: 50% of 188  
Speed: 0.0 mph (1.0-100)Hz  
Grade: 0.0%

BRUCE  
(1.0-100)Hz

Ex Time 06:18  
BLC : On  
Notch : On

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







Linked Medians Report

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

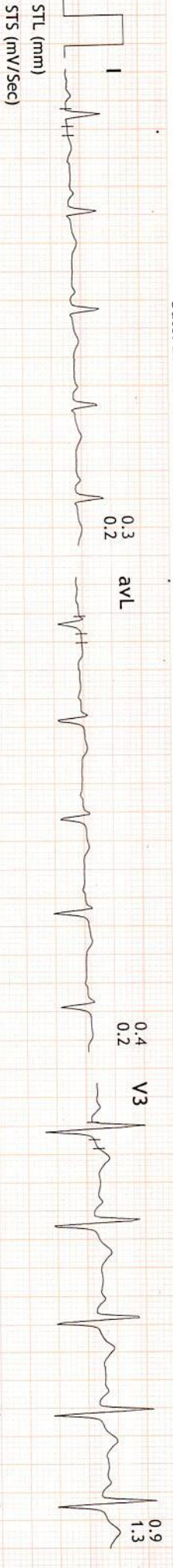
875/RAMESH BAKI HR: 94 bpm  
32 Yrs/Male METS: 1.0  
75 Kg/169 Cms BP: 130/86  
Date: 26-Feb-2022 10:35:04 AM

MPHR: 50% of 188  
Speed: 0.0 mph  
Grade: 0.0%

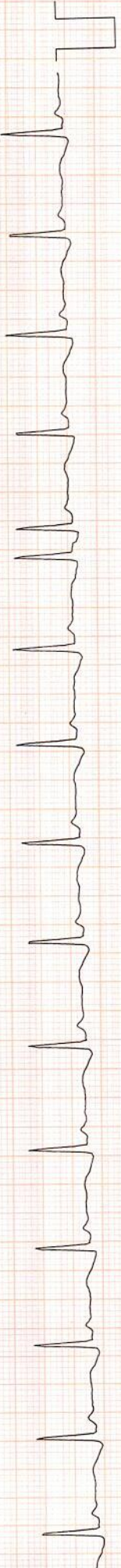
BRUCE  
(1.0-100)Hz

Ex Time 06:18  
BLC : On  
Notch : On

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



avR Raw Rhythm







**NAME: RAMESH BAKI**

**32YRS/M**

**DATE: 26/02/2022**

**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 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.

**Prostate** appears normal in size and echotexture. No focal lesion is seen

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.

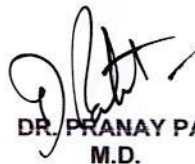
No pleural effusion is seen on either side.

**IMPRESSION:**

- **No significant abnormality identified.**

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

**DR. ANIRUDDHSINH RAHEVAR**  
DMRD DNB

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

**DR. AMISHA PATEL**  
M.D.





**NAME: RAMESH BAKI**

**M/32YRS.**

**DATE: 26/02/2022**

**REF.BY: PRAMUKH HOSPITAL**

**X RAY CHEST PA VIEW**

Both lung fields under vision appears normal.

No evidence of koch's lesion or consolidation is seen.

Both CP angles are clear.

Cardiac size is within normal limits.


Bony thoracic cage and both domes of diaphragm appears normal.

DR. SANDIP MEVADA  
M.D.

DR. ANIRUDDHSINH RAHEVAR  
DMRD DNB

DR. RUCHIT SHAH  
M.D.

DR. AMISHA PATEL  
M.D.

  
DR. PRANAY PATEL  
M.D.









**Ahmedabad, Gujarat, India**

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

Lat 22.995125°

Long 72.61364°

26/02/22 10:09 AM





बैंक ऑफ़ बड़ौदा  
Bank of Baroda



नाम  
Name Ramesh Baki

कर्मचारी कूट क्र. 127490  
Employee Code No.

जारीकर्ता प्राधिकारी  
Issuing Authority

धारक के हस्ताक्षर  
Signature of Holder



R PA



RAMESH BAKI 32/YRS Male

Chest PA

26/02/2022 12:17:20 PM

SANYA DIAGNOSTICS, MANINAGAR, AHMEDABAD.





**PRAMUKH**  
**MULTI SPECIALITY**  
**HOSPITAL**

Above ilage Medical Store,  
Nr. Railway Crossing, Maninagar (E)  
Ahmedabad - 380 008.

Patient Name : Ramesh Baki  
Sample No.. : 8513  
Reffered : Bank Of Baroda

Age/Sex : 32 Years/Male  
Registration On:26/02/2022/14:02  
Approved On :26/02/2022 16:55

**BLOOD GROUP**

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

**PATHOLOGIST**  
**Dr.Satishkumar Patel**  
**M.D.,Patho**  
**Reg No :G-6486**





**PRAMUKH**  
**MULTI SPECIALITY**  
**HOSPITAL**

Above ilage Medical Store,  
Nr. Railway Crossing, Maninagar (E)  
Ahmedabad - 380 008.

Patient Name : Ramesh Baki  
Sample No.. : 8513  
Reffered : Bank Of Baroda

Age/Sex : 32 Years/Male  
Registration On:26/02/2022/14:02  
Approved On :26/02/2022 16:55

## Lipid Profile

Specimen :SERUM

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Biological Ref. Interval</u>
<b>S. Cholesterol:</b> (CHOD-POD)	<b>214.40</b>	<b>mg/dl</b>	<b>Normal :&lt; 200</b> <b>Borderline : 200 - 240</b> <b>High : &gt; 240</b>
<b>Serum Triglycerides:</b> (GPO-POD)	<b>89.40</b>	<b>mg/dl</b>	<b>Normal :Normal &lt; 150</b> <b>Borderline : 150 - 199</b> <b>High : &gt; 200</b>
<b>HDL Cholesterol:</b> (Direct-Cholesterol Esterase HSDA)	<b>57.76</b>	<b>mg/dl</b>	<b>40 - 60 mg/dl</b>
<b>Serum LDL Cholesterol:</b> (Calculated)	<b>138.76</b>	<b>mg/dl</b>	<b>Up to 150</b>
<b>Serum VLDL Chlesterol:</b> (Calculated)	<b>17.88</b>	<b>mg/dl</b>	<b>Up to 35</b>
<b>LDLC/HDLC Ratio:</b> (Calculated)	<b>2.4</b>	<b>mg/dl</b>	<b>Up to 3.4</b>
<b>Cholesterol/HDLC Ratio:</b> (Calculated)	<b>3.71</b>	<b>mg/dl</b>	<b>Up to 5.0</b>
<b>Total Lipid:</b> (Calculated)	<b>650.32</b>	<b>mg/dl</b>	<b>400 - 1000 mg/dl</b>

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**PRAMUKH**  
**MULTI SPECIALITY**  
**HOSPITAL**

Above ilage Medical Store,  
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Patient Name : Ramesh Baki  
Sample No.. : 8513  
Reffered : Bank Of Baroda

Age/Sex : 32 Years/Male  
Registration On:26/02/2022/14:02  
Approved On :26/02/2022 16:56

**BLOOD SUGAR LEVEL**

Specimen : FLOURIDE

<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>87.67</b>	<b>mg/dl</b>	<b>70-110</b>
<b>Post Prandial Blood Glucose:</b> (GOD-POD)	<b>129.2</b>	<b>mg/dl</b>	<b>100 - 150</b>

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## **Glycosylated HB - (HBA1C)**

<b><u>Test</u></b>	<b><u>Result</u></b>	<b><u>Unit</u></b>	<b><u>Biological Ref Interval</u></b>
<b>HBA1C:</b> (Immunoturbidimetric)	4.5	%	Normal : $\leq 5.6$ Prediabetes : 5.7 - 6.4 Diabetes : $\geq 6.5$ <b><u>DIABETES CONTROL CRITERIA</u></b> 6 - 7 : Near Normal Glycemia < 7 : Goal 7 - 8 : Good Control > 8 : Action Suggested
<b>Mean Blood Glucose:</b>	<b>82.45</b>	<b>mg/dl</b>	

### **Criteria for the diagnosis of diabetes**

1. HbA1c  $\geq 6.5$  \*  
Or
2. Fasting plasma glucose  $>126$  gm/dL. Fasting is defined as no caloric intake at least for 8 hrs.  
Or
3. 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.
4. 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

- 1) 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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## URINE EXAMINATION

### PHYSICAL :

Colour - **Pale Yellow**  
Deposits - **Absent**  
Transparency - **Clear**  
Reaction - **Acidic**  
Sp. Gravity - **1.004**

### 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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## LIVER FUNCTION TESTS

Specimen: SERUM

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Biological Ref Interval</u>
<b>S. Bilirubin (Total):</b> <small>(Photometric DC Diazo)</small>	0.54	mg/dl	up to 1.2
<b>S. Bilirubin (Direct):</b> <small>(Photometric DC Diazo)</small>	0.13	mg/dl	up to 0.2
<b>S. Bilirubin (Indirect):</b> <small>(Calculated)</small>	0.41	mg/dl	up to 1.0
<b>SGPT(ALT)</b> <small>(UV Kinetic)</small>	36.32	U/L	up to 42
<b>SGOT (AST)</b> <small>(UV Kinetic)</small>	22.41	U/L	up to 40
<b>GGT</b> <small>(Optimized kinetic color test IFCC)</small>	28.88	U/L	12 - 64
<b>Total Proteins:</b> <small>(Biuret)</small>	7.25	g/dl	6.0 - 8.3
<b>Albumin</b> <small>(BCG)</small>	4.71	g/dl	3.5 - 5.2
<b>Globulins:</b> <small>(Calculated)</small>	2.54	g/dl	2.4 - 3.7
<b>AGRATIO:</b> <small>(Calculated)</small>	1.854		
<b>S.Alkaline Phosphatase:</b> <small>(Colorimetric Optimized Kinetic IFCC)</small>	90.1	U/L	40 - 129

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## Thyroid Functions

<u>Test</u>	<u>Result</u>	<u>Normal Range</u>
T3-Triodothyronine	: <b>0.85</b> ng/ml	0.6 - 1.80 ng/ml
T4-Thyroxine	: <b>6.80</b> mcg/dl	4.5 - 10.9 mcg/dl
TSH Thyroid Stimulating Hormone	: <b>2.01</b> microIU/ml	0.35 - 5.55 microIU/ml

Comments :

### **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





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## **COMPLETE BLOOD COUNT**

Sample :EDTA

<b>Test</b>		<b>Result</b>	<b>Unit</b>	<b>Biological Ref. Interval</b>
<b><u>BLOOD COUNT</u></b>				
Hemoglobin	colorimetric	13.5	g/dL	13 - 17
R.B.C Count	Electrical impedance	5.24	mill/cmm	4.5 - 5.5
W.B.C Count	Electrical impedance	7.52	10 <sup>3</sup> /uL	4.0 - 10.0
Platelet Count	Electrical impedance	269.3	10 <sup>3</sup> /uL	150 - 450
<b><u>DIFFERENTIAL COUNT</u></b>				
Polymorphs	Microscopic	62	%	60 - 70
Lymphocytes	Microscopic	34	%	20 - 40
Eosinophils	Microscopic	01	%	1 - 6
Monocytes	Microscopic	03	%	2 - 10
Basophils	Microscopic	00	%	0 - 2
<b><u>BLOOD INDISES</u></b>				
HCT	Rbc Histogram	43.3	%	40 - 50
MCV	Calculated	82.6	fl	80 - 100
MCH	Calculated	<u>25.8</u>	pg	27 - 32
MCHC	Calculated	<u>31.3</u>	g/dl	32 - 36
RDW-CV	Calculated	13.0	%	10 - 16.5

### **PERIPHERAL SMEAR EXAMINATION**

SMEAR Platelets: Adequate

### **Erythrocyte sedimentation rate**

ESR AT 1 hour westergren 06

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mm/Hour

00 - 15

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## **RENAL FUNCTION**

Specimen :SERUM

<b><u>Test</u></b>	<b><u>Result</u></b>	<b><u>Unit</u></b>	<b><u>Biological Ref. Interval</u></b>
<b>Sr. Creatinine:</b> <small>(Modified Jaffe's)</small>	1.08	mg/dl	0.6 - 1.2 mg/dl
<b>Urea:</b> <small>(GLDH)</small>	42.94	mg/dl	10 - 50 mg/dl
<b>S. Uric Acid:</b> <small>(Uricase-POD)</small>	4.04	mg/dl	3.2 - 7.2 mg/dl
<b>Blood Urea Nitrogen:</b> <small>(Calculated)</small>	20.07	mg/dl	08 - 23 mg/dl
<b>Bun/Creat Ratio:</b> <small>(Calculated)</small>	18.58		

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