



ZENA
Healthcare Services
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Professional Accuracy Precision

Regd. No. : 1834

ZENA HEALTHCARE SERVICES

(A Unit of Zena Enterprises)

Patient Name : MR. BRUNDABAN SOREN

Age / Gender : 44 years / Male

Patient ID : 15882

Referral : MEDI WHEEL

Collection Time : 07/04/2023, 10:34 AM

Reporting Time : 07/04/2023, 03:23 PM

Sample ID :



Test Description	Value(s)	Reference Range	Unit
10	240		
11	269		
12	298		

END OF REPORT

Lab technician

Dr.Kundan Kumar Sahoo
CONSULTANT PATHOLOGIST /
MICROBIOLOGIST

For Home Collection Please Call at Number :

Zena Healthcare Services

Plot No. 119, Opp. Water tank Lane, Near Police Phandi, Saheed Nagar, Bhubaneswar-07
Ph. : 0674-2549902, 9692276908, 8337964922, E-mail : zenahealthcare@gmail.com

Website : www.zenacare.in

Wishing Good Health

ID: 280
AGE: 44 Y M D
Cms

CASE:
BRUNDABAN SOREN
MALE

Arrow CE

07/04/2023 09:34:34

ZENA HEAL THCARE
PLOT -119, SAHIDNAGAR, BHUBANESWAR

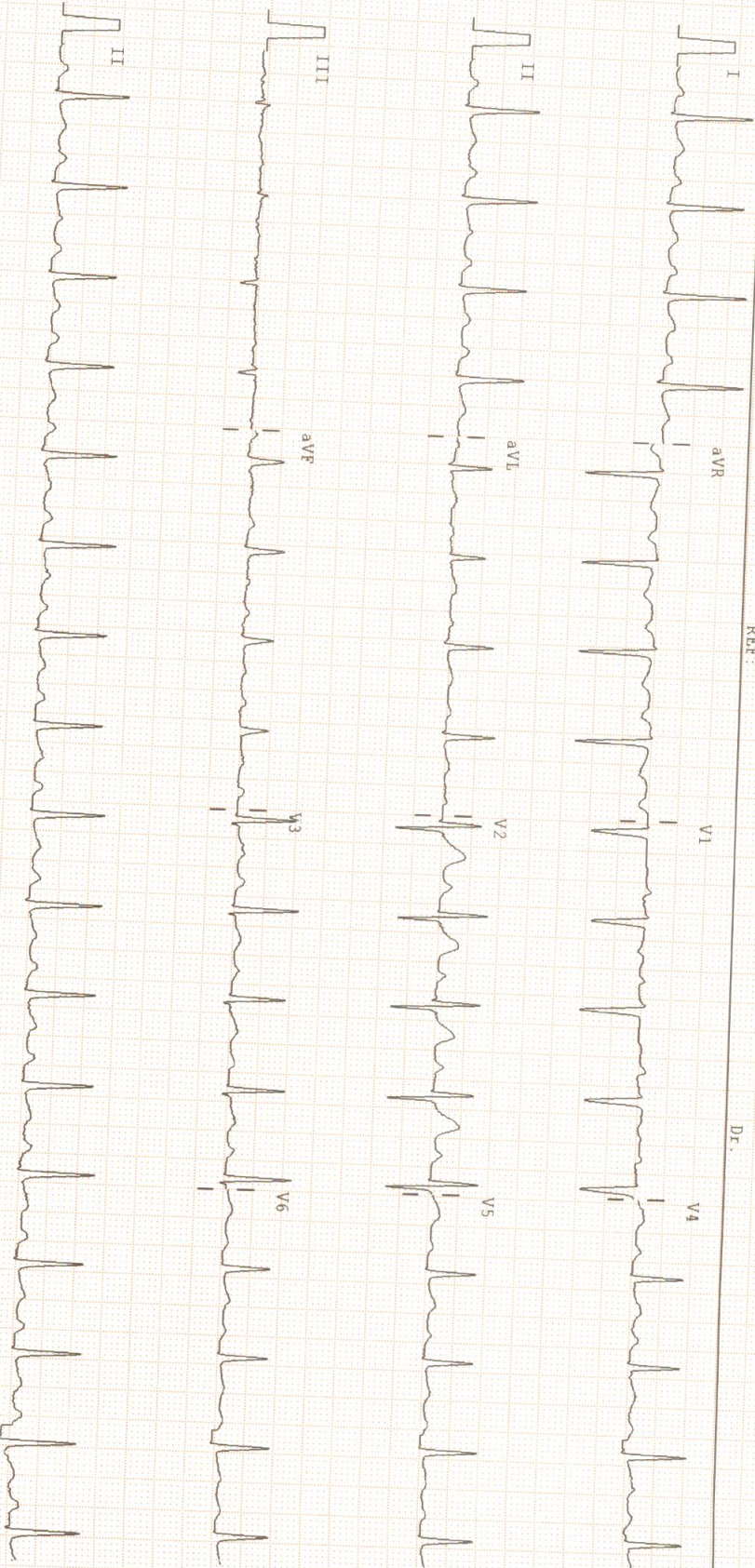
RATE : 101 bpm SINUS RHYTHM
R-R : 591 ms
P-R : 190 ms
QRS : 76 ms
QT : 322 ms
QTc : 394 ms
--AXIS--
P : 44°
QRS : 33°
T : 32°

NORMAL ECG

12 SL: REPORT FORMAT: 3x4+1L SQ

REF:

DR.



25mm/sec 10mm/mV Notch: ON

BLC: ON

0.05-35Hz

ALLENGERS PISCES 10121 VER. 1.91 CLINICALLY CORRELATE THE FINDINGS

Patient :	MR. BRUNDABAN SOREN	Doctor :	Dr. SANAT KUMAR DASH
Age/Sex :	44 Years /Male	Facility :	Dr. Agarwal's Health Care Ltd, Bhubaneswar
Contact :	9337849938	Appt. Dt :	07 Apr'23
MR No. :	BHU/35091/23	Note Dt :	07 Apr'23

OPD SUMMARY

HISTORY

Visit: General Checkup

Chief Complaints : None

Ophthalmic History : None

Systemic History :

- Diabetes since 2 years - not on rx

Allergies : None

GLASSES PRESCRIPTIONS

	R/OD			
	Sph	Cyl	Axis	Vision
Distant	0.00	-0.50	170	6/6
Near	+1.50	-0.50	170	N6

	L/OS			
	Sph	Cyl	Axis	Vision
Distant	0.00	-0.50	170	6/6
Near	+1.50	-0.50	170	N6

REFRACTION

	R/OD	
	Value	Axis
Keratometry:		
Kh	43.00	10
Kv	44.50	100

Avg. K: 43.75

Cyl: -1.50

Auto Refraction:

	Sph	Cyl	Axis
Dry	0.00	-0.25	170
	--	--	--

	L/OS	
	Value	Axis
Keratometry:		
Kh	43.00	170
Kv	45.00	80

Avg. K: 44.00

Cyl: -2.00

Auto Refraction:

	Sph	Cyl	Axis
Dry	+0.00	-0.75	170
	--	--	--

IN CASE OF EMERGENCY (UNUSUAL PAIN, WATERING, REDNESS, OR DECREASE IN VISION)

PLEASE CONTACT: MOBILE NO 8118052202

କରୁଣା କାଳୀନ ପରିସିଦ୍ଧି: ଯେପରିକି ଆଖି ଯନ୍ତ୍ରଣା, ଲୁହ ବୋହିବା, ଆଖି ଲାଲ ପଡ଼ିବା ଓ ଦୃଷ୍ଟି ଶକ୍ତି କମିଯିବା କ୍ଷେତ୍ରରେ ଦୟାକରି ଉକ୍ତ ନମ୍ବର କୁ (୮୧୧୮୦୫୨୨୦୨)



543 / BRUNDABAN SOREN / 44 Yrs / M / 172 Cms / 74 Kg Date: 07-Apr-2023 Refd By : MEDI WHEEL Examined By :

Stage	Time	Duration	Speed(mph)	Elevation	METS	Rate	% THR	BP	RPP	PVC	Comments
Supine	00:19	0:19	00.0	00.0	01.0	119	68 %	130/82	154	00	
Standing	00:38	0:19	00.0	00.0	01.0	118	67 %	130/82	153	00	
HV	00:55	0:17	00.0	00.0	01.0	118	67 %	130/82	153	00	
ExStart	01:11	0:16	00.0	00.0	01.0	118	67 %	130/82	153	00	
BRUCE Stage 1	04:11	3:00	01.7	10.0	04.7	133	76 %	132/83	175	00	
BRUCE Stage 2	07:11	3:00	02.5	12.0	07.1	140	80 %	134/84	187	00	
PeakEx	08:30	1:19	03.4	14.0	08.5	150	85 %	134/84	201	00	
Recovery	09:00	0:30	01.1	00.0	04.2	146	83 %	134/84	195	00	
Recovery	09:30	1:00	01.1	00.0	01.2	142	81 %	133/84	188	00	
Recovery	11:30	3:00	00.0	00.0	01.0	124	70 %	132/82	163	00	
Recovery	13:39	5:09	00.0	00.0	01.0	120	68 %	131/80	157	00	

FINDINGS :

Exercise Time : 07:19
 Max HR Attained : 150 bpm 85% of Target 176
 Max BP Attained : 134/84
 Max WorkLoad Attained : 8.5 Fair response to induced stress
 Test End Reasons : Test Complete

REPORT :

DR. S. K. HOITA
 M.B.B.S.
 REGD No. 6999

ZENA HEALTHCARE

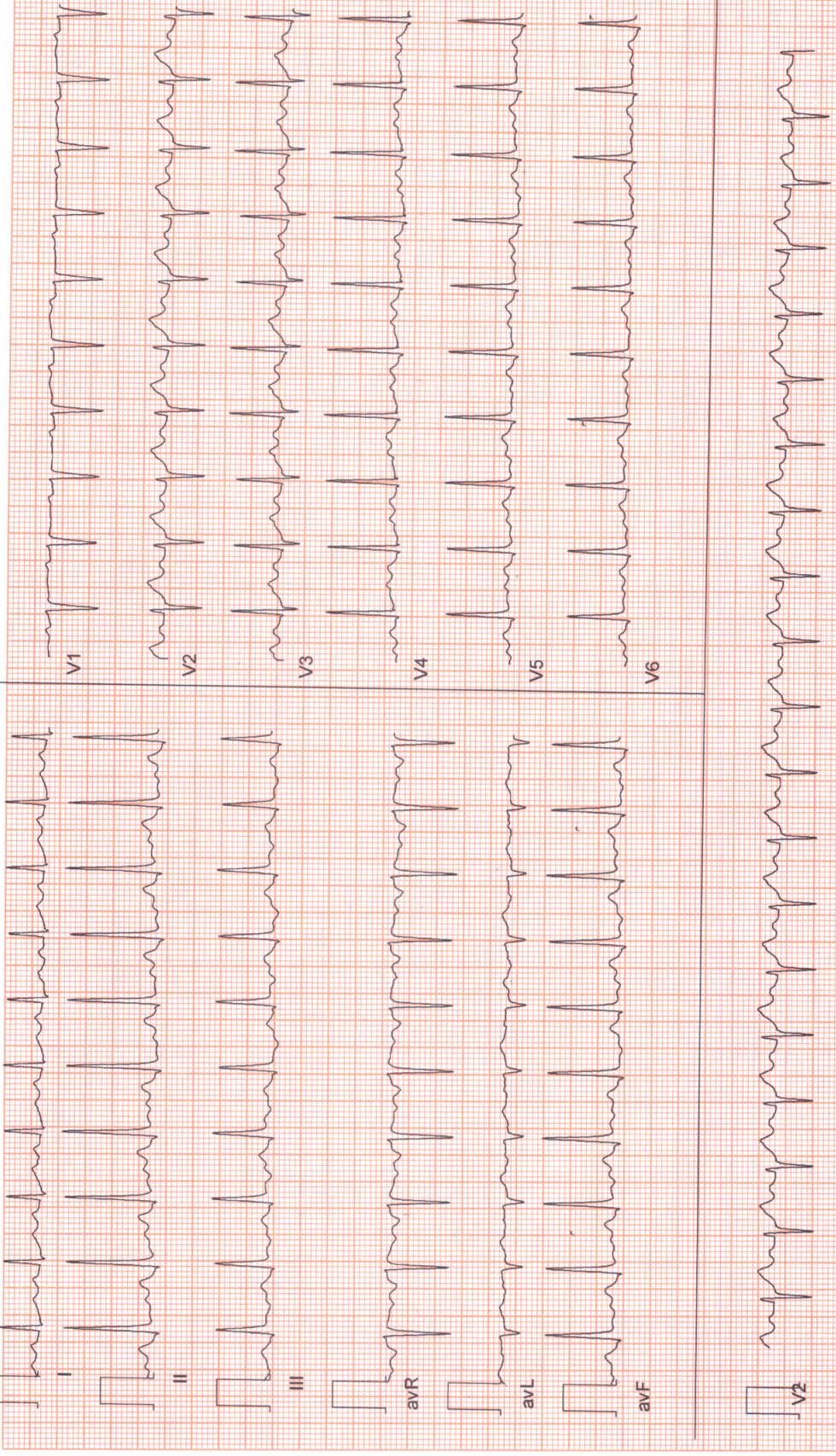
SAHIDNAGAR, BHUBANESWAR

543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

6 x 2 + Rhythm
BRUCE: Supine(0:19)



Date: 07 - 04 - 2023 11:10:08 AM METs : 1.0 HR : 119 Target HR : 68% of 176 BP : 130/82 ExTime : 00:00 0.0 mph 0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz



ZENA HEALTHCARE

SAHIDNAGAR, BHUBANESWAR

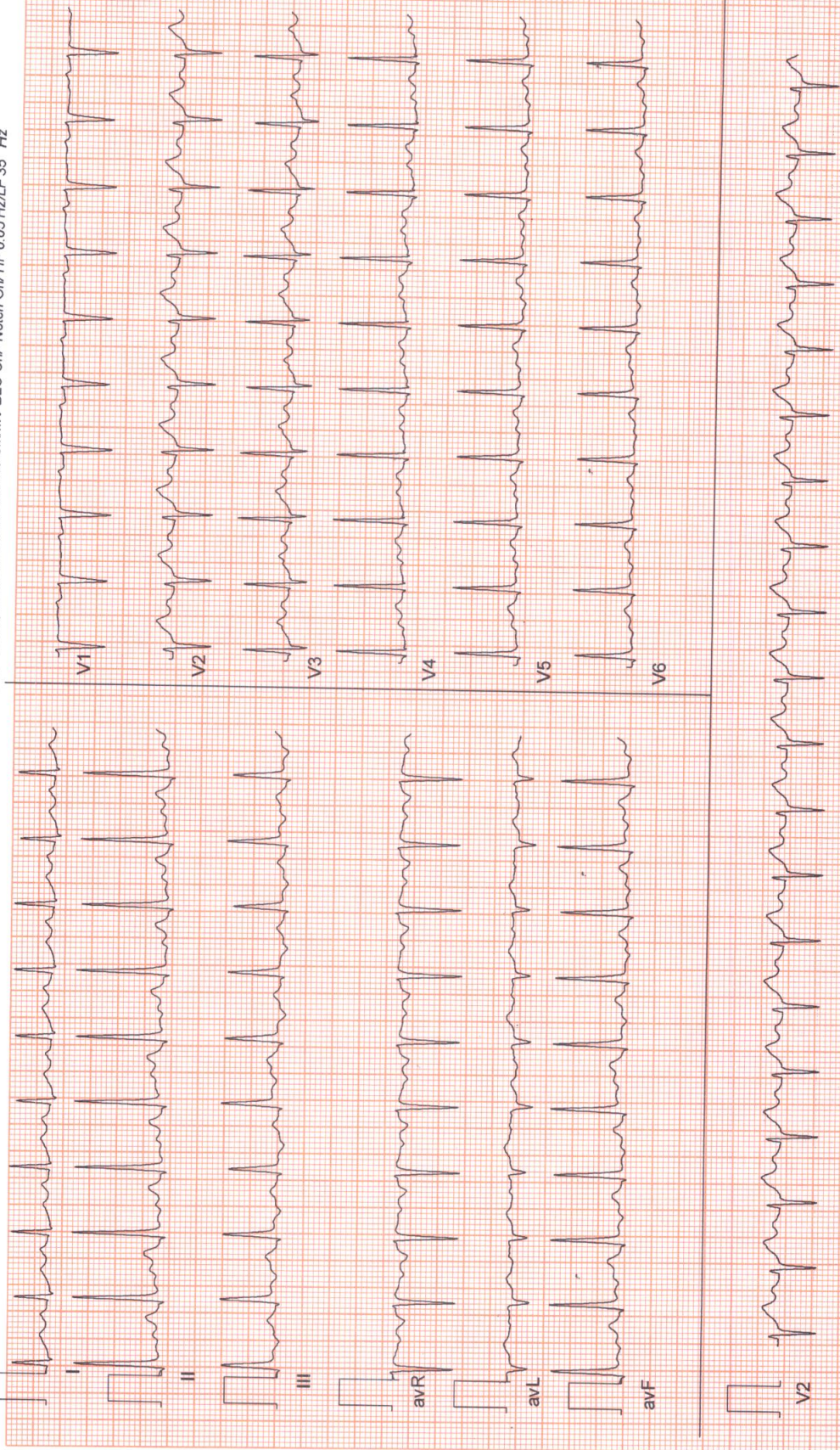
543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

6 x 2 + Rhythm
BRUCE: Standing(0:19)



Date: 07-04-2023 11:10:08 AM METs: 1.0 HR: 118 Target HR: 67% of 176 BP: 130/82

ExTime: 00:00 0.0 mph 0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz



ZENA HEALTHCARE

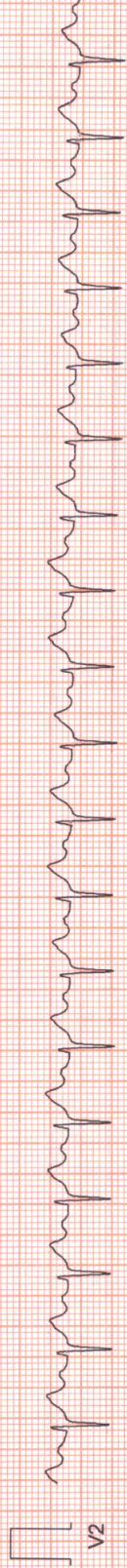
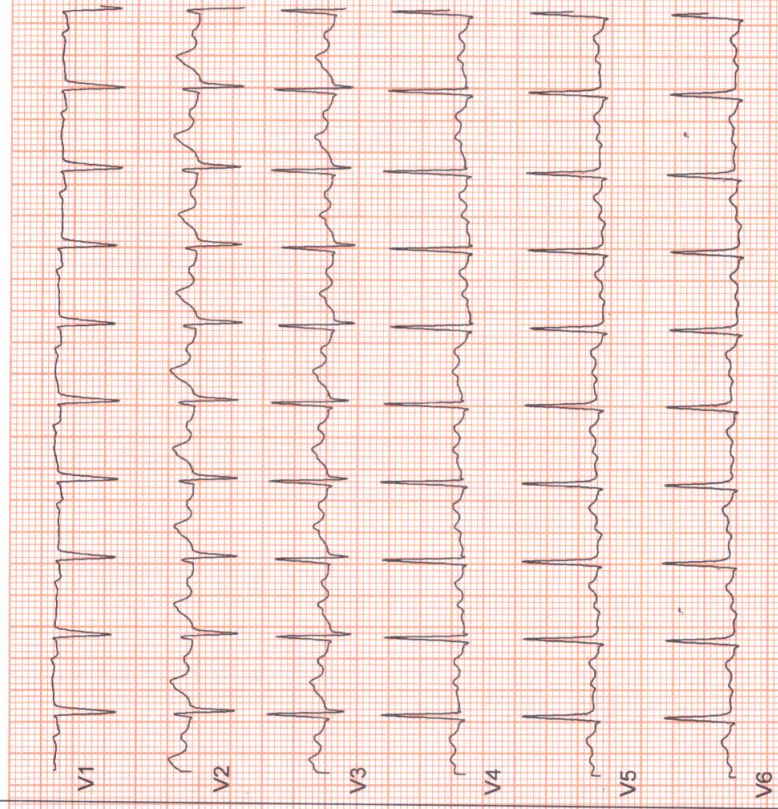
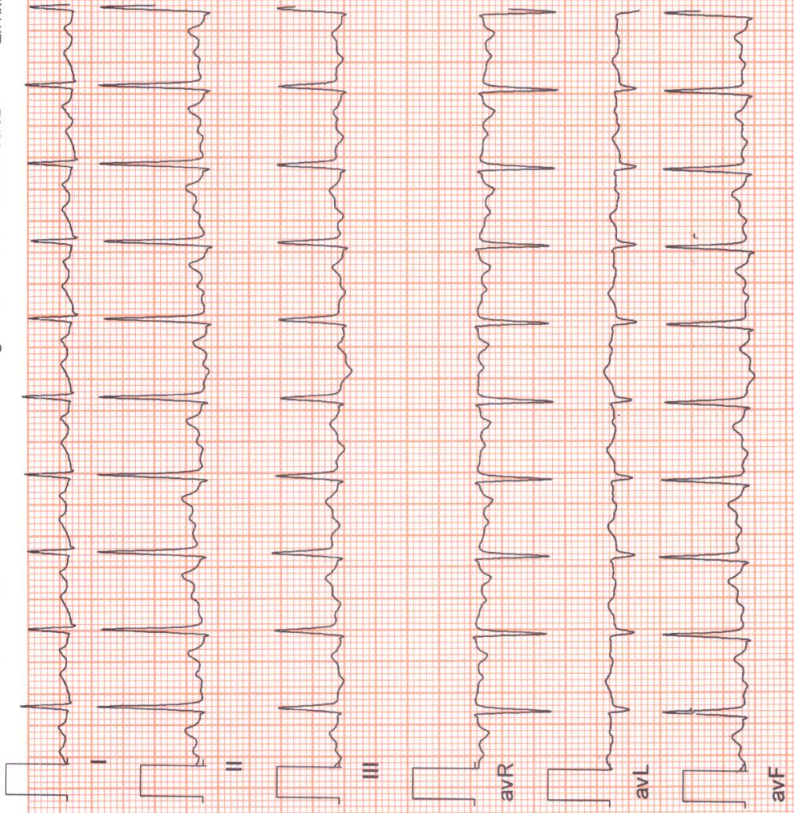
SAHIDNAGAR, BHUBANESWAR

543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

6 x 2 + Rhythm
BRUCE:HV(0:17)



Date: 07-04-2023 11:10:08 AM METs : 1.0 HR : 118 Target HR : 67% of 176 BP : 130/82 ExTime : 00:00 0.0 mph/0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz



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SAHIDNAGAR, BHUBANESWAR

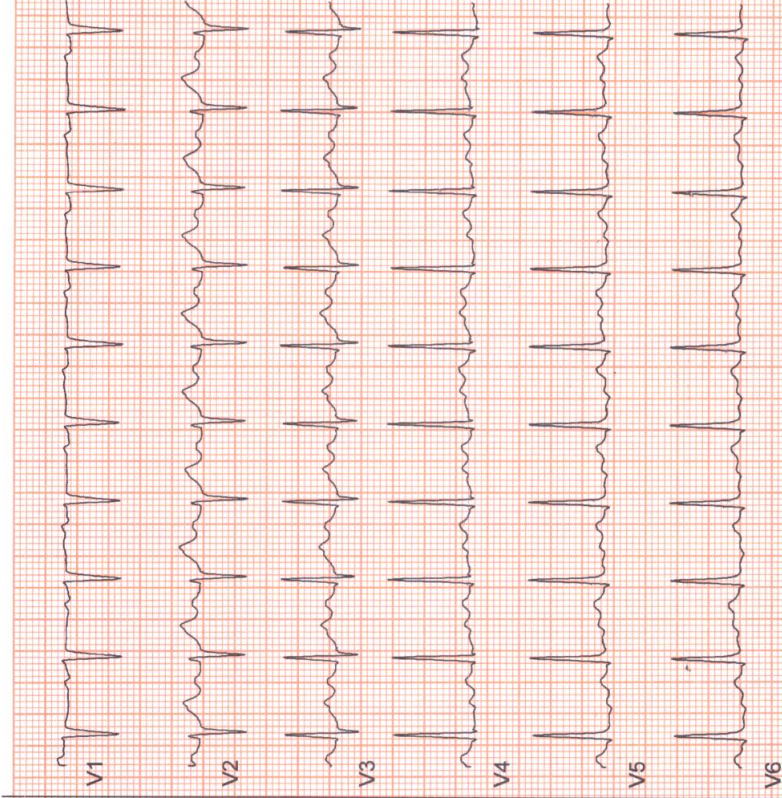
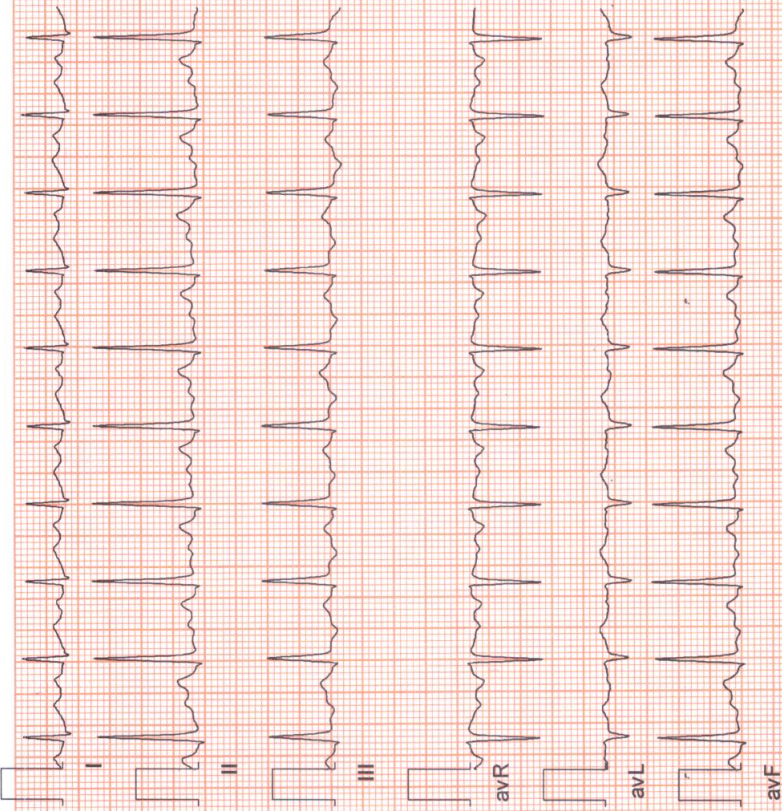
543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

6 x 2 + Rhythm
ExStart



Date: 07 - 04 - 2023 11:10:08 AM METs : 1.0 HR : 118 Target HR : 67% of 176 BP : 130/82

Ex Time : 00:00 0.0 mph 0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz



ZENA HEALTHCARE

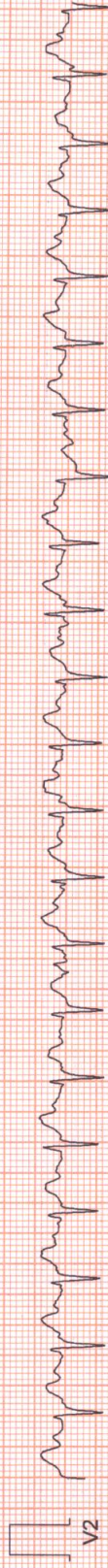
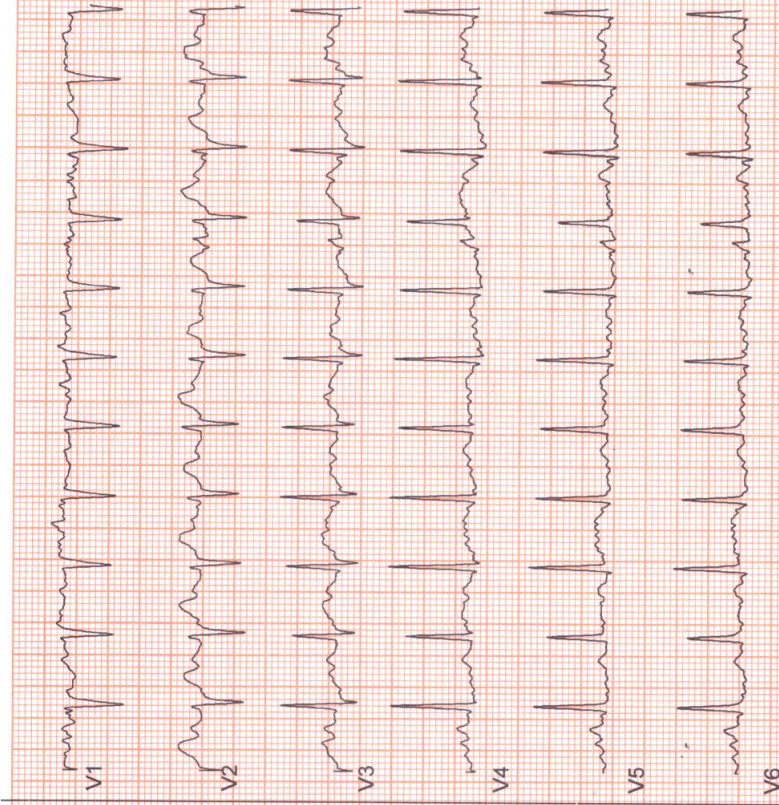
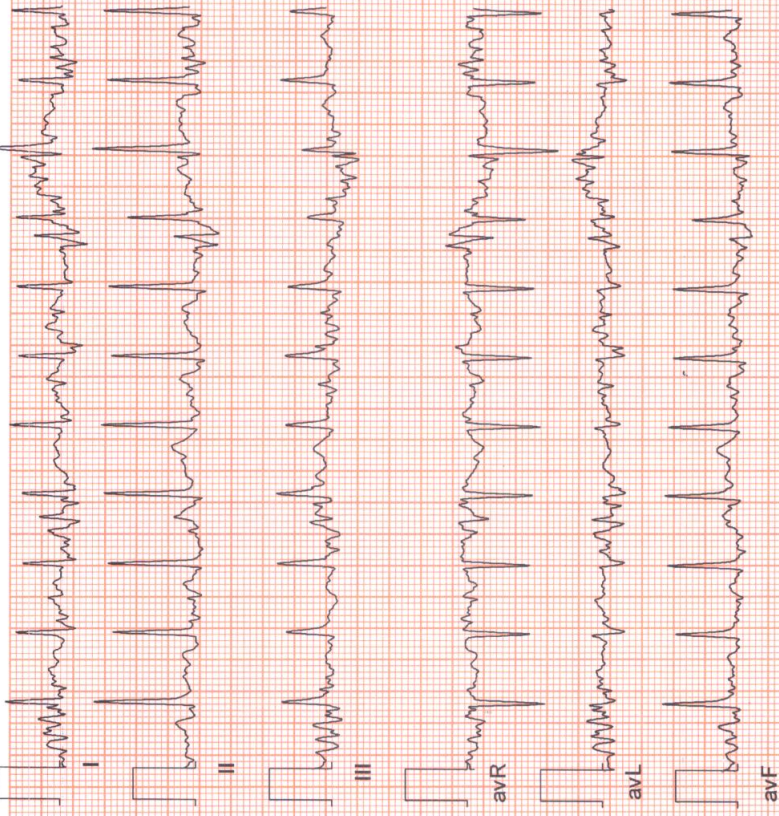
SAHIDNAGAR, BHUBANESWAR

543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

6 x 2 + Rhythm
BRUCE: Stage 1 (3:00)



Date: 07-04-2023 11:10:08 AM METs : 4.7 HR : 133 Target HR : 76% of 176 BP : 132/83 ExTime : 03:00 1.7 mph/10.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/HF 0.05 Hz/LF 35 Hz



ZENA HEALTHCARE

SAHIDNAGAR, BHUBANESWAR

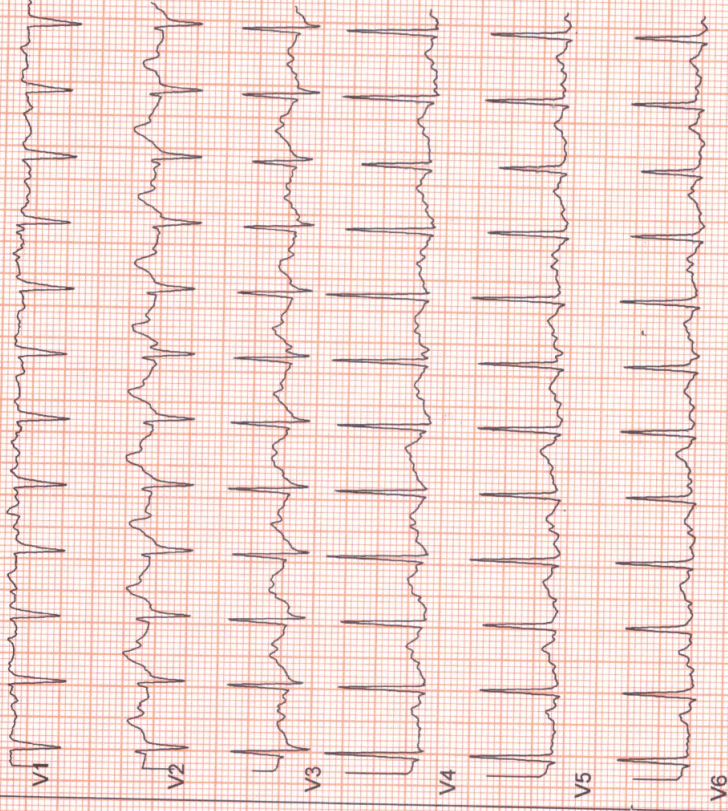
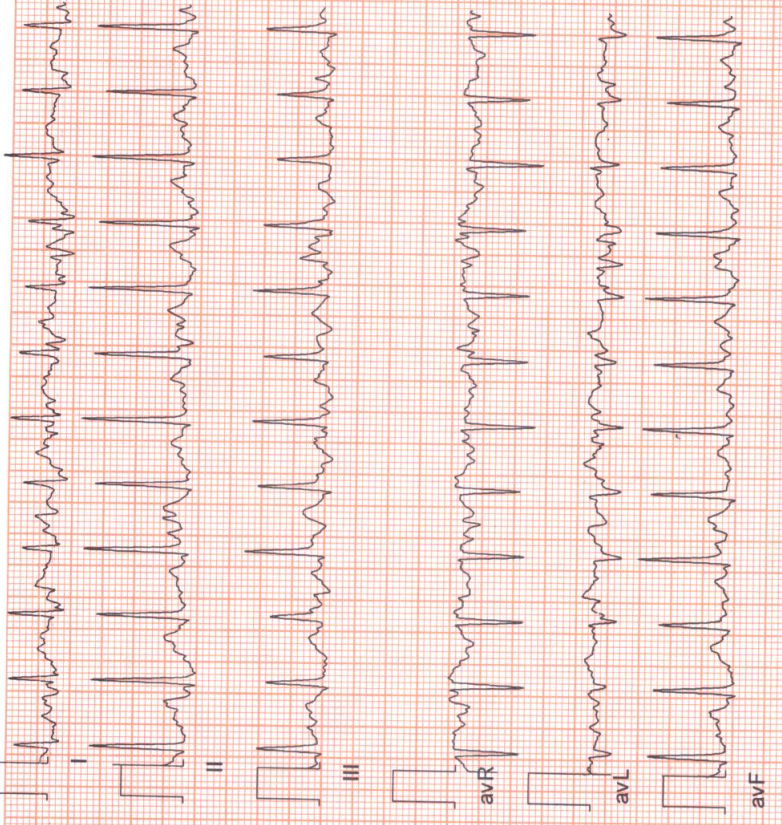
543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

6 x 2 + Rhythm
BRUCE: Stage 2(3:00)



Date: 07 - 04 - 2023 11:10:08 AM METs: 7.1 HR : 140 Target HR : 80% of 176 BP : 134/84

Ex Time : 06:00 2.5 mph 12.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz





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Regd. No. : 1834

ZENA HEALTHCARE SERVICES
(A Unit of Zena Enterprises)

NAME:- BRUNDABAN SOREN
AGE:-44SYRS
Patient ID:-1

REFERRAL:-MEDI WHEEL
DATE:-07.04.2023
SEX:-MALE

CHEST X-RAY PA VEIW SHOWS.

- Both side lung fields are clear.
- Trachea within normal limit.
- Both costophrenic cardiophrenic angle are clear.
- Cardiac shadow within normal limit.
- Media stinum in position

IMPRESSION:-NORMAL STUDY.

B. Pradhan

**Dr. Bhagaban Pradhan
M.D. (Radio diagnosis)
Consultant Radiologist**

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Website : www.zenacare.in

Wishing Good Health

ZENA HEALTHCARE

SAHIDNAGAR, BHUBANESWAR

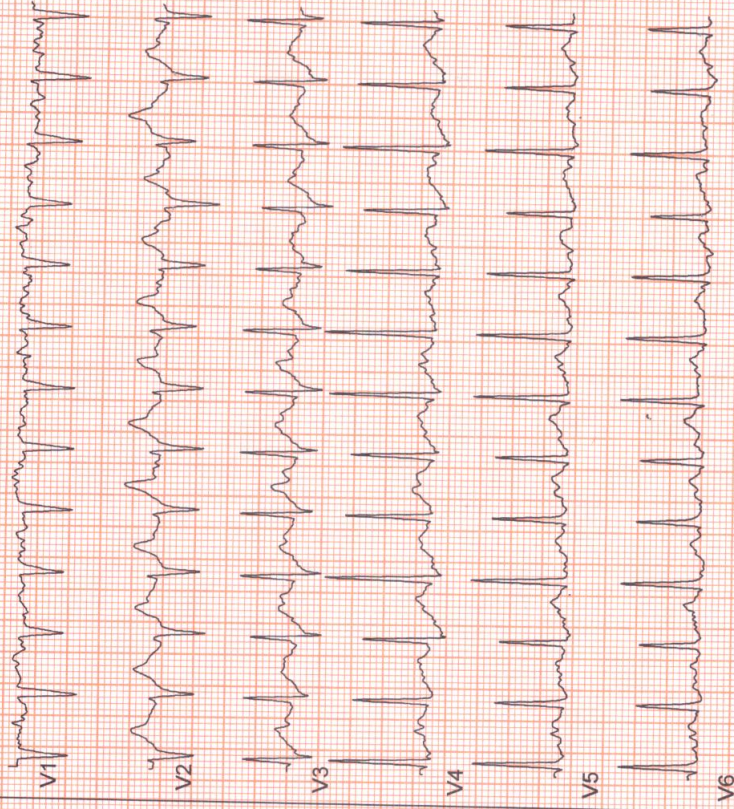
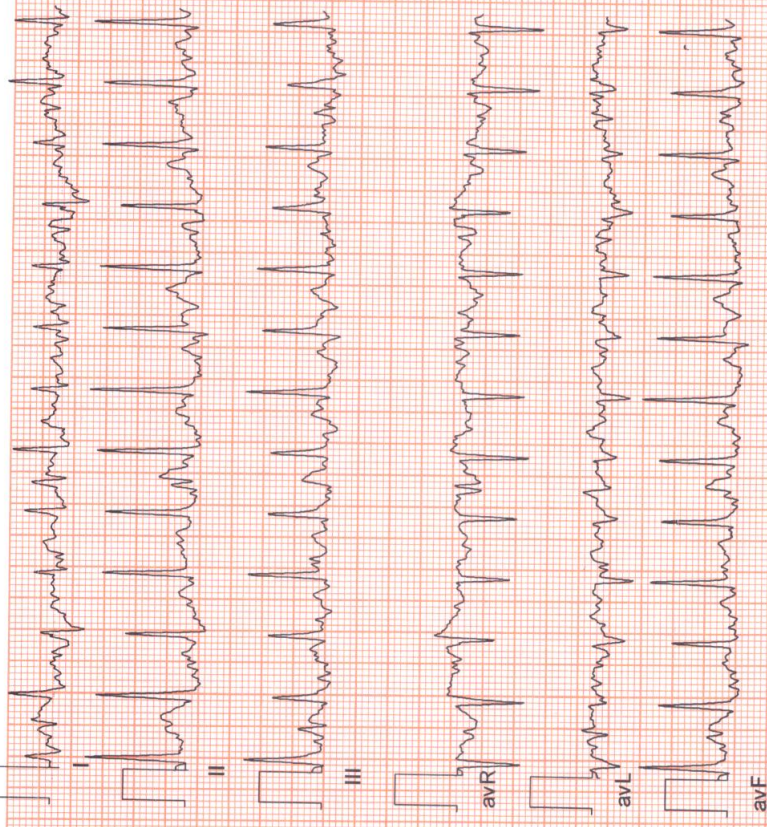
543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

**6 x 2 + Rhythm
PeakEx**



Date: 07-04-2023 11:10:08 AM METs : 8.5 HR : 150 Target HR : 85% of 176 BP : 134/84

ExTime : 07:19 3.4 mph 14.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz



ZENA HEALTHCARE

SAHIDNAGAR, BHUBANESWAR

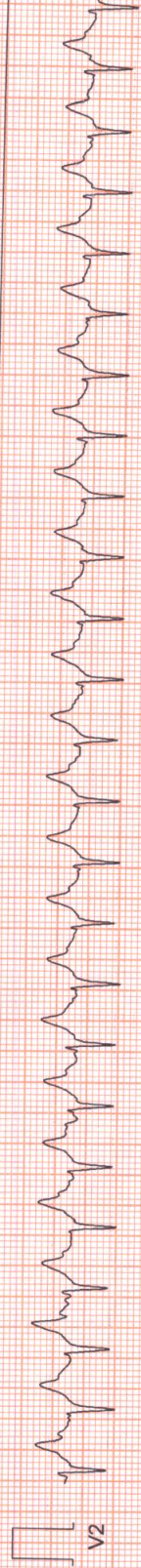
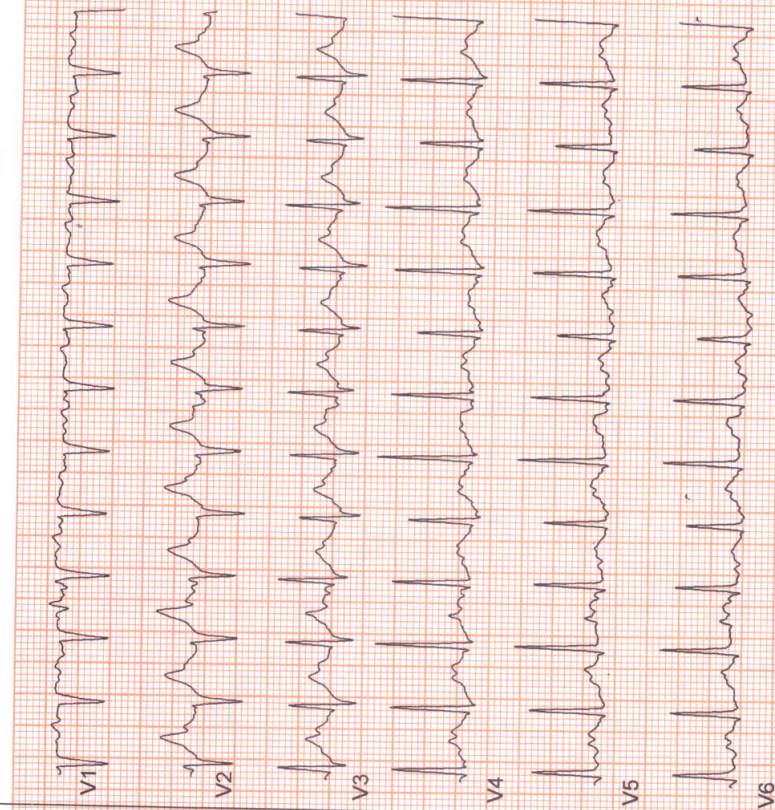
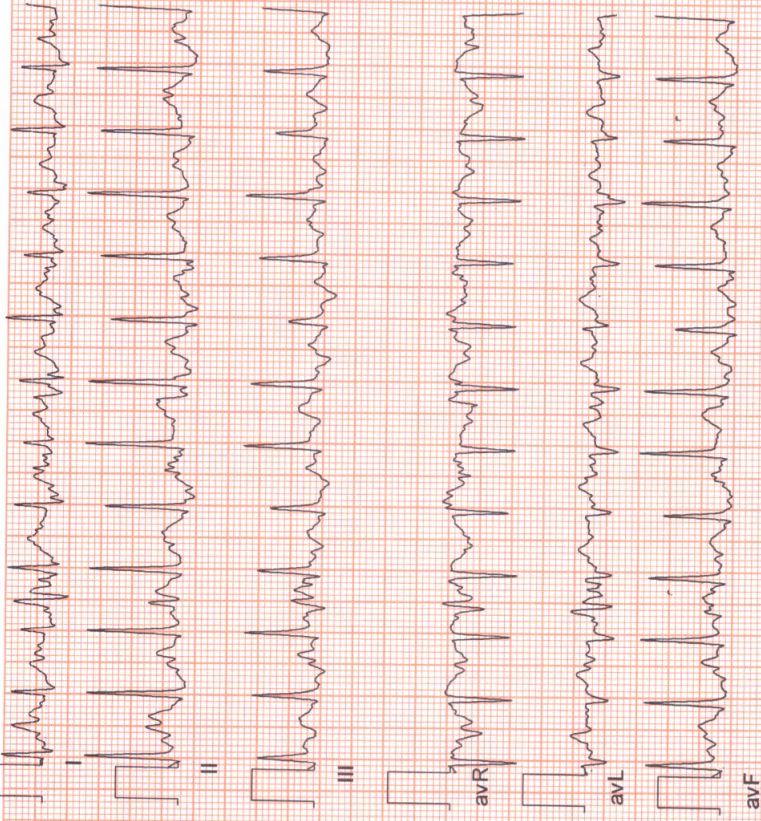
543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

6 x 2 + Rhythm
Recovery(0:30)



Date: 07 - 04 - 2023 11:10:08 AM METs : 4.2 HR : 146 Target HR : 83% of 176 BP : 134/84

ExTime : 07:19 1.1 mph 0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz



ZENA HEALTHCARE

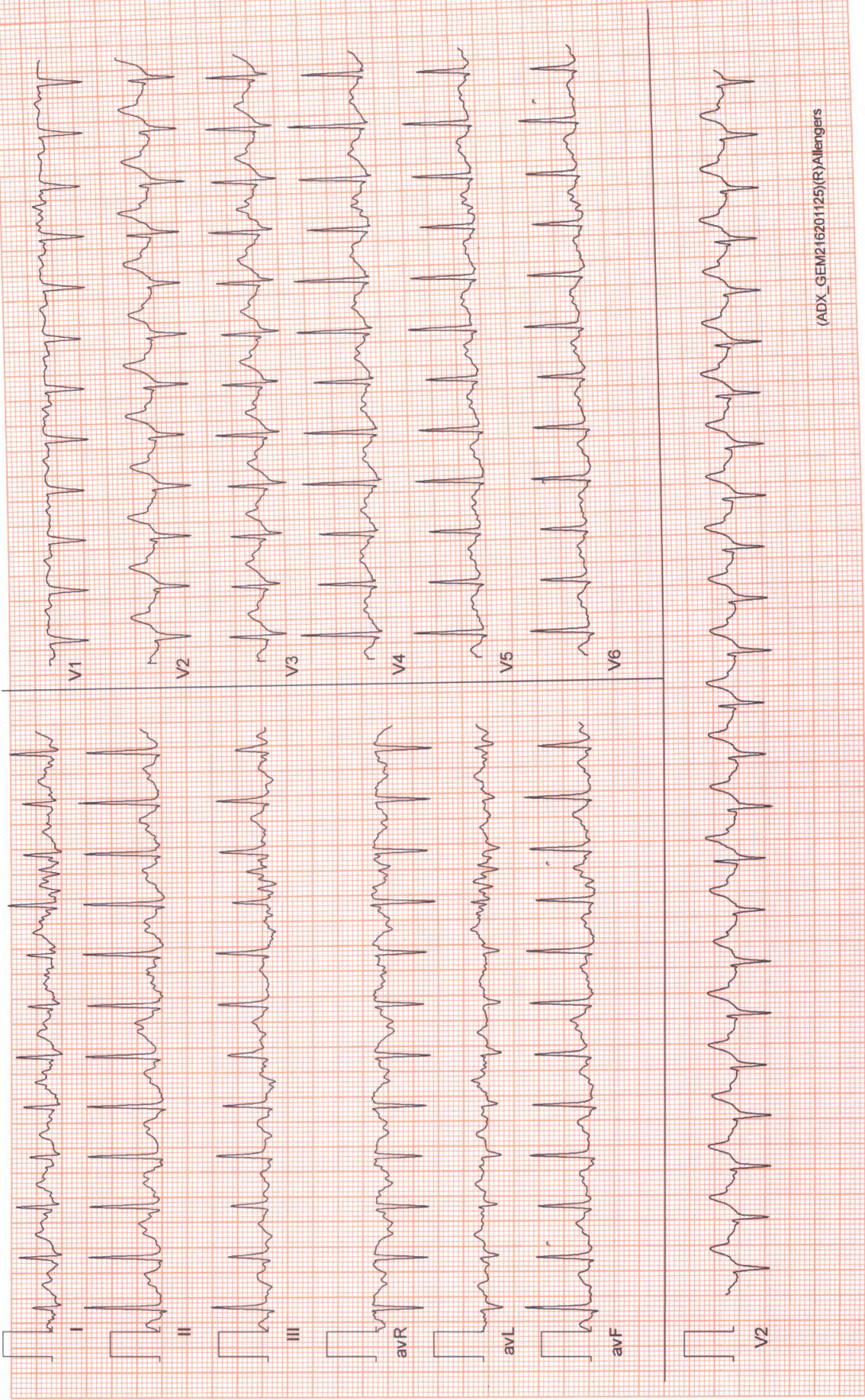
SAHIDNAGAR, BHUBANESWAR

543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

**6 x 2 + Rhythm
Recovery(1:00)**



Date: 07 - 04 - 2023 11:10:08 AM METs : 1.2 HR : 142 Target HR : 81% of 176 BP : 133/84 ExTime : 07:19 1.1 mph/0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz



ZENA HEALTHCARE

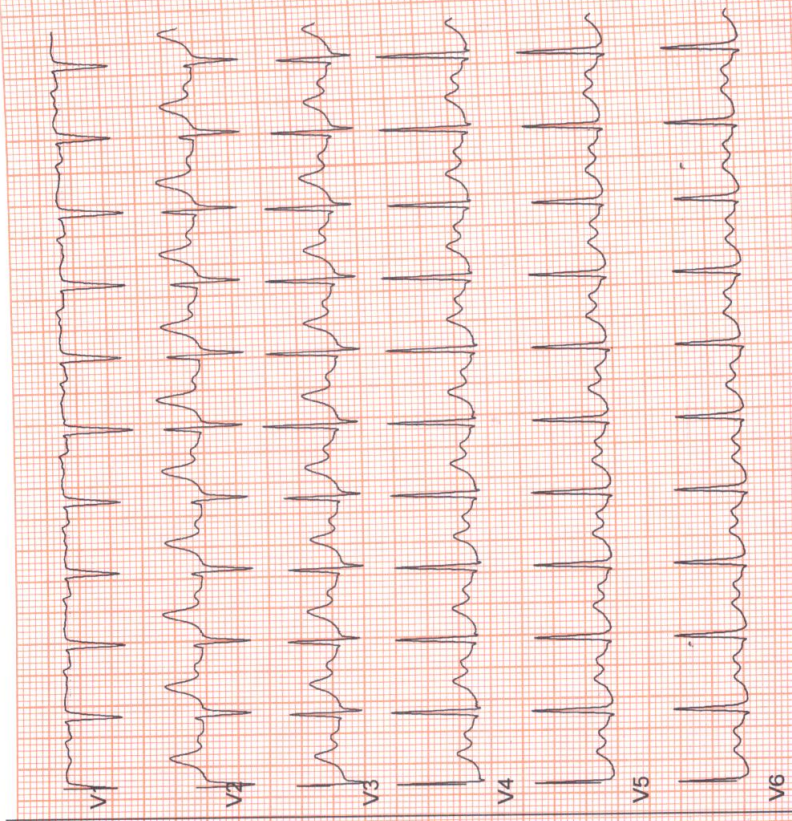
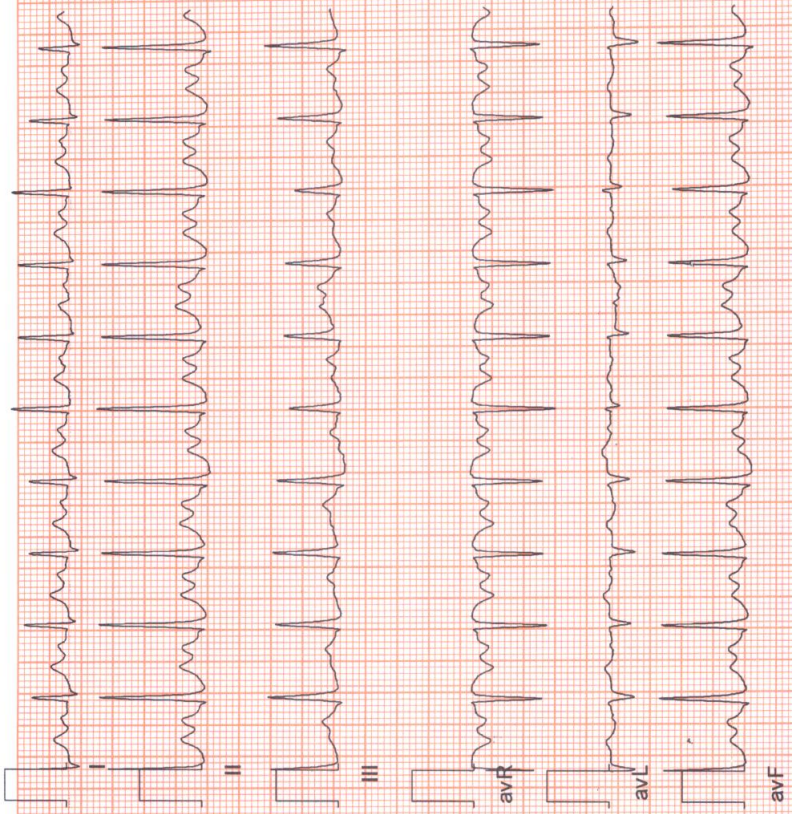
SAHIDNAGAR, BHUBANESWAR

543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

6 x 2 + Rhythm
Recovery(3:00)



Date: 07 - 04 - 2023 11:10:08 AM METs : 1.0 HR : 124 Target HR : 70% of 176 BP : 132/82 ExTime : 07:19 0.0 mph/0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ Notch On/ HF 0.05 Hz/LF 35 Hz



ZENA HEALTHCARE

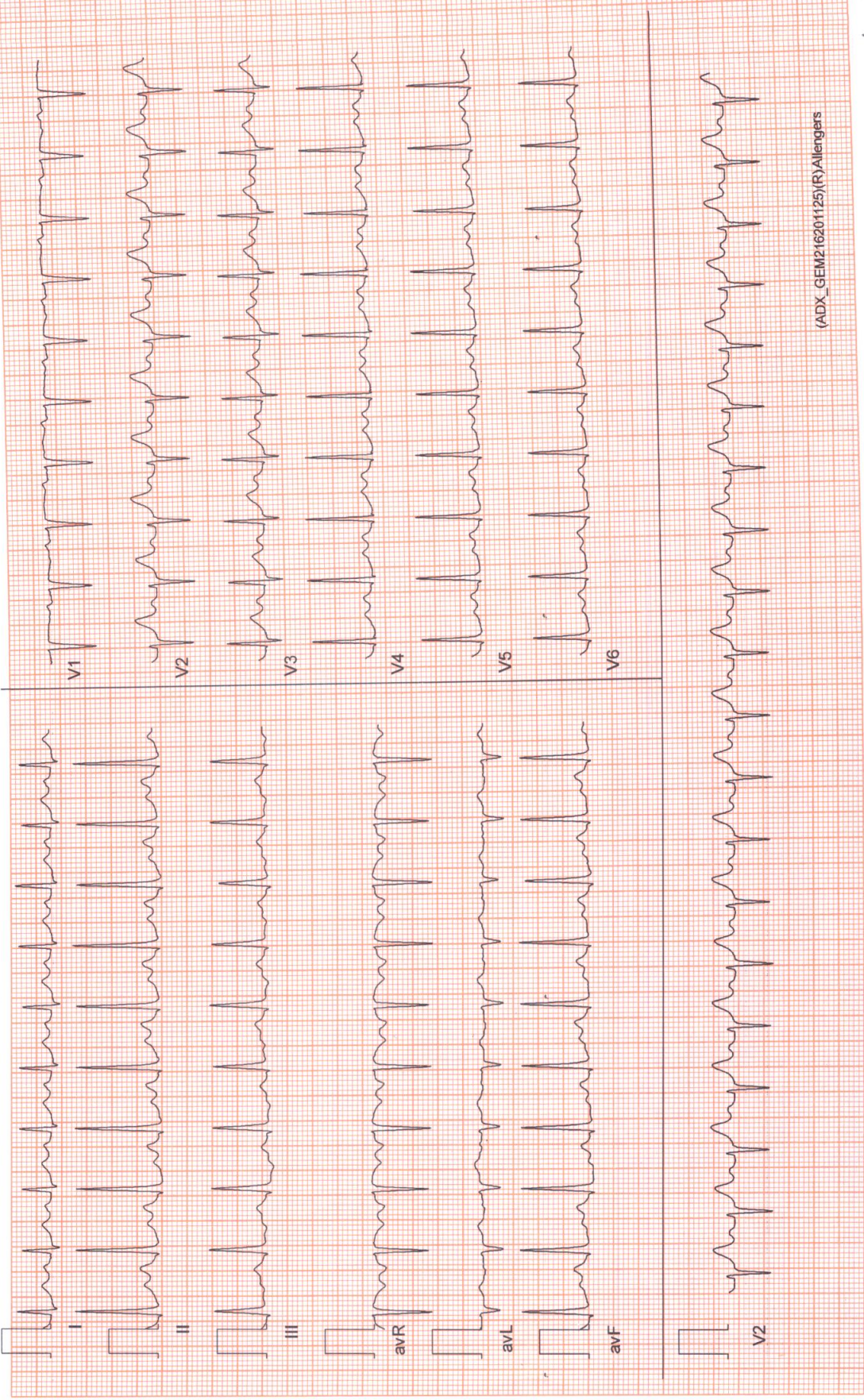
SAHIDNAGAR, BHUBANESWAR

543 / BRUNDABAN SOREN / 44 Yrs / Male / 172 Cm / 74 Kg

**6 x 2 + Rhythm
Recovery(5:09)**



Date: 07 - 04 - 2023 11:10:08 AM METs : 1.0 HR : 120 Target HR : 68% of 176 BP : 131/80 ExTime : 07:19 0.0 mph/0.0 % 25 mm/Sec. 1.0 Cm/mV BLC On/ HF 0.05 Hz/LF 35 Hz



	--	--	--
Dilated	--	--	--
	--	--	--
	--	--	--

Dry Refraction:

	Sph	Cyl	Axis	Vision
Distant	0.00	-0.50	170	6/6
Near	+1.50	-0.50	170	N6

	--	--	--
Dilated	--	--	--
	--	--	--
	--	--	--

Dry Refraction:

	Sph	Cyl	Axis	Vision
Distant	0.00	-0.50	170	6/6
Near	+1.50	-0.50	170	N6

EXAMINATION

R/OD
VA: UCVA - 6/9 UCVA Near- N18
IOP(1): 14 at 2:38 PM with NCT
Appearance: Normal
Appendages: Normal
Conjunctiva: Normal
Sclera: Normal
Cornea: Size/Shape/Surface Normal
Anterior Chamber: Normal depth, No cells/flare
Pupil: Round shape, Normal direct & Consensual reflex
Iris: Within normal Limits
Lens: Clear, Crystalline, Central
Extra Ocular Movements: Uniocular and Binocular movements full and normal
Fundus: Media-Clear, CupRatio-0.3, PVD-Absent, OptDiscSize-Medium, OpticDisc-healthy, Bloodvessel-normal, Macula-Foveal Reflex, Foveal Reflex- Present , Fundus-within normal limits

L/OS
VA: UCVA - 6/9 UCVA Near- N18
IOP(1): 15 at 2:38 PM with NCT
Appearance: Normal
Appendages: Normal
Conjunctiva: Normal
Sclera: Normal
Cornea: Size/Shape/Surface Normal
Anterior Chamber: Normal depth, No cells/flare
Pupil: Round shape, Normal direct & Consensual reflex
Iris: Within normal Limits
Lens: Clear, Crystalline, Central
Extra Ocular Movements: Uniocular and Binocular movements full and normal
Fundus: Media-Clear, PVD-Absent, OptDiscSize-Medium, CupRatio-0.3, OpticDisc-healthy, Bloodvessel-normal, Macula-Foveal Reflex, Foveal Reflex- Present , Fundus-within normal limits

DIAGNOSIS

1. Presbyopia - H52.4
2. Regular astigmatism, bilateral - H52.223

IN CASE OF EMERGENCY (UNUSUAL PAIN, WATERING, REDNESS, OR DECREASE IN VISION)

PLEASE CONTACT: MOBILE NO 8118052202

ଜରୁରୀ କାଳୀନ ପରିସ୍ଥିତି: ଯେପରିକି ଆଖି ଯନ୍ତ୍ରଣା, ଲୁହ ବୋହିବା, ଆଖି ଲାଲ ପଡିବା ଓ ଦୃଷ୍ଟି ଶକ୍ତି କମିଯିବା କ୍ଷେତ୍ରରେ ଦୟାକରି ଉକ୍ତ ନମ୍ବର କୁ (୮୧୧୮୦୫୨୨୦୨)



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Regd. No. : 1834

ZENA HEALTHCARE SERVICES

(A Unit of Zena Enterprises)

Patient Name : MR. BRUNDABAN SOREN

Age / Gender : 44 years / Male

Patient ID : 15882

Referral : MEDI WHEEL

Collection Time : 07/04/2023, 10:34 AM

Reporting Time : 07/04/2023, 03:20 PM

Sample ID :



18263

Test Description	Value(s)	Reference Range	Unit
<u>Glucose, Fasting (FBS)</u>			
Glucose fasting Method : Fluoride Plasma-F, Hexokinase	380.69	75 - 115	mg/dL
<u>Glucose, Post Prandial (PP)</u>			
Blood Glucose-Post Prandial Method : Hexokinase	467.48	70 - 140	mg/dL
<u>BUN, Serum</u>			
BUN-Blood Urea Nitroge Method : Serum, Urease	12.57	10 - 50	mg/dL
<u>Creatinine</u>			
Creatinine Method : Serum, Jaffe	0.82	0.60 - 1.30	mg/dL
<u>Uric acid, Serum</u>			
Uric Acid Method : Uricase, Colorimetric	3.94	3.4 - 7.0	mg/dL

END OF REPORT

Lab technician

K. Sahoo
Dr. Kundan Kumar Sahoo
CONSULTANT PATHOLOGIST /
MICROBIOLOGIST

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(A Unit of Zena Enterprises)

Patient Name : MR. BRUNDABAN SOREN

Age / Gender : 44 years / Male

Patient ID : 15882

Referral : MEDI WHEEL

Collection Time : 07/04/2023, 10:34 AM

Reporting Time : 07/04/2023, 03:18 PM

Sample ID :



Test Description	Value(s)	Reference Range	Unit
------------------	----------	-----------------	------

ESR, Erythrocyte Sedimentation Rate

ESR - Erythrocyte Sedimentation Rate	13	0 - 15	mm/hr
Method : EDTA Whole Blood, Manual Westergren			

Interpretation:

- It indicates presence and intensity of an inflammatory process. It does not diagnose a specific disease. Changes in the ESR are more significant than the abnormal results of a single test.
- It is a prognostic test and used to monitor the course or response to treatment of diseases like tuberculosis, bacterial endocarditis, acute rheumatic fever, rheumatoid arthritis, SLE, Hodgkins disease, temporal arteritis and polymyalgia rheumatica.
- It is also increased in pregnancy, multiple myeloma, menstruation, and hypothyroidism.

Blood Group ABO & Rh Typing, Blood

Blood Group (ABO typing)	"AB"
Method : Manual-Hemagglutination	
RhD Factor (Rh Typing)	Positive
Method : Manual hemagglutination	

END OF REPORT

Lab technician

Dr. Kundan Kumar Sahoo
CONSULTANT PATHOLOGIST /
MICROBIOLOGIST

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Ph. : 0674-2549902, 9692276908, 8337964922, E-mail : zenahealthcare@gmail.com

Website : www.zenacare.in

Wishing Good Health

MATERNITY CARE HOPITAL

NAME :BRUNDABAN SOREN

DATE : 07-04-2023

AGE-44Y/M

SONOGRAPHER : DR.PARUL PATI

USG OF WHOLE ABDOMEN

LIVER: Normal in size, shape and parenchymal echotexture. No. SOL seen. Intrahepatic billiary channels normal in caliber and contains no echogenic structure. Portal and hepatic vascular systems within normal limits. P. V. measures 6.5 mm,

GALL BLADDER: normal in shape and size no sol ,no calculi seen **C.B.D.:** Common duct bile normal in calibre (3.0 mms).

SPLEEN : Normal in size, shape and parenchymal echotexture.

PANCREAS: Normal in size, shape and parenchymal echotexture. Pancreatic duct not dilated.

KIDNEYS: Both the kidneys are normal in size, shape and position. Renal cortical echotexture is within normal limits. Cortico medullary differentiation maintained. No evidence of my calculus or hydronephrosis on both sides. Pelvi-calyceal systems appear normal. No focal lesion seen.

- Right kidney measures : 8.9 x 4.6cms.
- Left kidney measures: 9.7 x 5.5cms.

URETERS: Both ureters not visualized (normal).

URINARY BLADDER: Symmetrical and normal in outline. Lumen clear. Walls normal in thickness

Prostrate-normal in size shape and echosructure .

Impression:Normal study of abdomen



DR. PARUL PATI (O&G MD)

Regd. No: 5569

MATERNITY CARE HOSPITAL & IVF CENTER
A-142/A-143, Sahid Nagar, Bhubaneswar



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Regd. No. : 1834

ZENA HEALTHCARE SERVICES

(A Unit of Zena Enterprises)

Patient Name : MR. BRUNDABAN SOREN

Age / Gender : 44 years / Male

Patient ID : 15882

Referral : MEDI WHEEL

Collection Time : 07/04/2023, 10:34 AM

Reporting Time : 07/04/2023, 03:26 PM

Sample ID :



18263

Test Description	Value(s)	Reference Range	Unit
<u>LFT, Liver Function Test</u>			
Bilirubin - Total Method : Serum, Jendrassik Grof	0.89	0.00 - 1.00	mg/dL
Bilirubin - Direct Method : Serum, Diazotization	0.15	0.00 - 0.20	mg/dL
Bilirubin - Indirect Method : Serum, Calculated	0.74	0.10 - 0.80	mg/dL
SGOT Method : Serum, UV with P5P, IFCC 37 degree	13.56	8 - 33	U/L
SGPT Method : Serum, UV with P5P, IFCC 37 degree	19.77	3 - 35	U/L
GGT-Gamma Glutamyl Transpeptidase Method : Serum, G-glutamyl-carboxy-nitroanilide	6.21	< 55	U/L
Alkaline Phosphatase Method : PNPP-AMP Buffer/Kinetic	86.12	53-128	U/L
Total Protein Method : Serum, Biuret, reagent blank end point	6.98	6.60 - 8.70	g/dL
Albumin Method : Serum, Bromocresol green	4.12	3.50 - 5.30	g/dL
Globulin Method : Serum, EIA	2.86	2.00-3.50	g/dL
A/G Ratio Method : Serum, EIA	1.44	1.2 - 2.2	

END OF REPORT

Lab technician

Dr. Kundan Kumar Sahoo
CONSULTANT PATHOLOGIST /
MICROBIOLOGIST

For Home Collection Please Call at Number :

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Plot No. 119, Opp. Water tank Lane, Near Police Phandi, Saheed Nagar, Bhubaneswar-07
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Website : www.zenacare.in

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Regd. No. : 1834

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Age / Gender : 44 years / Male

Patient ID : 15882

Referral : MEDI WHEEL

Collection Time : 07/04/2023, 10:34 AM

Reporting Time : 07/04/2023, 03:24 PM

Sample ID :



Test Description	Value(s)	Reference Range	Unit
<u>Lipid Profile</u>			
Cholesterol-Total Method : Spectrophotometry	226.05	Desirable level < 200 Borderline High 200-239 High >or = 240	mg/dL
Triglycerides Method : Serum, Enzymatic, endpoint	276.58	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500	mg/dL
HDL Cholesterol Method : Serum, Direct measure-PEG	56.51	Normal: > 40 Major Risk for Heart: < 40	mg/dL
LDL Cholesterol Method : Enzymatic selective protection	114.22	Optimal < 100 Near / Above Optimal 100-129 Borderline High 130-159 High 160-189 Very High >or = 190	mg/dL
VLDL Cholesterol Method : Serum, Enzymatic	55.32	6 - 38	mg/dL
CHOL/HDL Ratio Method : Serum, Enzymatic	4.00	3.5 - 5.0	
LDL/HDL Ratio Method : Serum, Enzymatic	2.02	2.5 - 3.5	

Note:

8-10 hours fasting sample is required.

END OF REPORT

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Age / Gender : 44 years / Male

Patient ID : 15882

Referral : MEDI WHEEL

Collection Time : 07/04/2023, 10:34 AM

Reporting Time : 07/04/2023, 03:22 PM

Sample ID :



18263

Test Description	Value(s)	Reference Range	Unit
Thyroid Profile (T3, T4, TSH)			
T3-Total Method : CLIA	1.54	0.87 - 2.73	ng/dL
T4-Total Method : CLIA	7.25	6.09 - 12.23	ug/dL
TSH-Ultrasensitive Method : CLIA	1.43	0.45 - 4.50	uIU/mL

Interpretation

TSH	T3	T4	Suggested Interpretation for the Thyroid Function Tests Pattern
Raised	Within range	Within range	Raised Within Range Within Range .Isolated High TSH especially in the range of 4.7 to 15 mIU/ml is commonly associated with Physiological & Biological TSH Variability. Subclinical Autoimmune Hypothyroidism. Intermittent 14 therapy for hypothyroidism .Recovery phase after Non-Thyroidal illness"
Raised	Decreased	Decreased	Chronic Autoimmune Thyroiditis Post thyroidectomy, Post radioiodine Hypothyroid phase of transient thyroiditis"
Raised or within range	Raised	Raised or within range	Interfering antibodies to thyroid hormones (anti-TPO antibodies) Intermittent 14 therapy or T4 overdose •Drug interference- Amiodarone, Heparin, Beta blockers, steroids, anti-epileptics.
Decreased	Raised or within range	Raised or within range	Isolated Low TSH -especially in the range of 0.1 to 0.4 often seen in elderly & Range Range associated with Non-Thyroidal illness .Subclinical Hyperthyroidism .Thyroxine ingestion"
Decreased	Decreased	Decreased	Central Hypothyroidism .Non-Thyroidal illness .Recent treatment for Hyperthyroidism (TSH remains suppressed)"
Decreased	Raised	Raised	Primary Hyperthyroidism (Graves' disease). Multinodular goitre, Toxic nodule •Transient thyroiditis: Postpartum, Silent (lymphocytic), Postviral (granulomatous, subacute, DeQuervain's), Gestational thyrotoxicosis with hyperemesis gravidarum"
Decreased Within Rang	Raised	Within range	T3 toxicosis •Non-Thyroidal illness
Within range	Decreased	Within range	Isolated Low T3-often seen in elderly & associated Non-Thyroidal illness In elderly the drop in 13 level can be upto 25%.

END OF REPORT

Lab technician

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Dr. Kundan Kumar Sahoo
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18263

Test Description	Value(s)	Reference Range	Unit
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HbA1C, Glycosylated Hemoglobin

HbA1c (GLYCOSYLATED HEMOGLOBIN), BLOOD	11.06		%
Method : (HPLC, NGSP certified)			
Estimated Average Glucose :	270.72		mg/dL

Interpretation

As per American Diabetes Association (ADA)	
Reference Group	HbA1c in %
Non diabetic adults >=18 years	<5.7
At risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5
Therapeutic goals for glycemic control	Age > 19 years Goal of therapy: < 7.0 Action suggested: > 8.0 Age < 19 years Goal of therapy: <7.5

Note:

1. Since HbA1c reflects long term fluctuations in the blood glucose concentration, a diabetic patient who is recently under good control may still have a high concentration of HbA1c. Converse is true for a diabetic previously under good control but now poorly controlled .
2. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targeting a goal of < 7.0 % may not be appropriate.

Comments

HbA1c provides an index of average blood glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

ADA criteria for correlation between HbA1c & Mean plasma glucose levels.

HbA1c(%)	Mean Plasma Glucose (mg/dL)
6	126
7	154
8	183
9	212

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MEDICAL CERTIFICATE

NAME

Date :- 07.04.2023

Mr. BRUNDABAN SOREN

MEDICAL INFORMATION

Height:- 172cm	Age:-44 yrs
Weight:- 74kg	Sex:- MALE
Blood Pressure:- 169/105mmhg	Pulse:-92/min

Body Mass Index(BMI)

25.0

Physical Fitness certificate

This is to certify that Mr. BRUNDABAN SOREN, aged 44 yrs, reports is Normal and I have found him FIT.

Signature

Dr. M. K. HOTA
M.B.B.S.
REGD No. 6993

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