

Name: RAVI BACHANI

Sex: Male

Age: 33Y

Clinic No.:

Bed No.:

SN: 0001151

Section:

Date: 23/10/2024 11:44:54

Case No.:

bpm 62
ms 954

68 908

62 954

61 982

65 920

65 918

61 980

59 1008

62 958

61 970



Frequency:

1000 Hz

PR Interval:

170 ms

Sample Time:

13 s

QT Interval:

384 ms

HR:

62 bpm

QTc Interval:

390 ms

P Interval:

72 ms

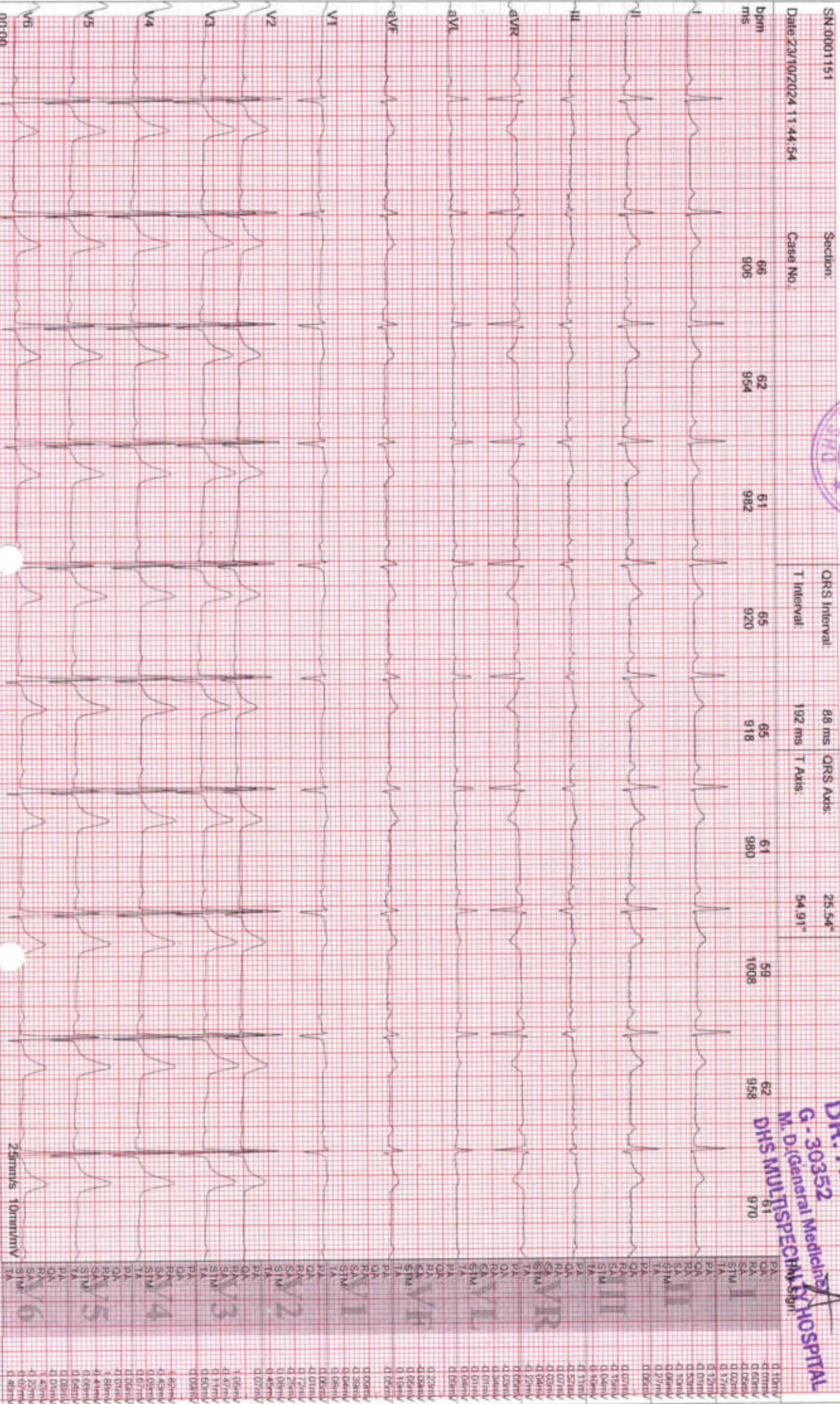
P Axis:

44.67°

Prompt:

Total Beats 11, Normal Beats 11, SVE 0, VE 0.
Bradycardia(HR <= 60 bpm).
Light left cardiac electric axis deviation(QRS axis between 0 degree and 30 degree).

DR. ARCHIT PARIKHI
G-30352
M.D.(General Medicine)
DHS MULTISPECIALTY HOSPITAL



25mm/s 10mm/mV

PATIENT NAME	MR. RAVI BACHANI
AGE / SEX	33 YRS/MALE
REF. DOCTOR	DR. DHS DOCTOR TEAM
DATE	23/10/2024

2D ECHO CARDIOGRAPHY REPORT

Observation:

1. Normal LV size with normal LV systolic function. LVEF: 65%.
2. No RWMA at rest.
3. Reduced LV compliance.
4. Normal sized LA, RA and RV. Normal RV function.
5. All valves are normal in structure.
6. IAS and IVS are intact.
7. No PAH. RVSP = 28 mmHg.
8. No clot/ vegetation / pericardial effusion.
9. Doppler: Trivial MR, Trivial TR, No AR, No PR.
10. IVC is normal in size and well collapse on inspiration.

Conclusion:

**Normal LV systolic function.
No RWMA.
No PAH.**

Measurements :

LVIDD	42.0 mm	AO	23.0mm
LVIDS	23.0 mm	LA	30.0mm
LVEF	65%		
IVSD/LVPWD	09.0mm/09.0mm		

DOPPLER STUDY:

Valves	velocity	Max gradient	Mean gradient	Area	Regurgitation
Aortic	1.1	5.3			No AR
Mitral	E:0.5 A: 0.1				Trivial MR
Pulmonary	0.4	3.2			No PR
Tricuspid	0.5	1.1			Trivial TR

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PATIENT NAME RAVI BACHANI
AGE / SEX 33 Y/ M
REF. DOCTOR HEALTH CHECKUP
DATE 23-Oct-24

ULTRASOUND WHOLE ABDOMEN - PELVIS

LIVER : Liver is normal in size and shows **grade 2 fatty changes**.
No focal lesion is seen. Intra-hepatic biliary radicals are not dilated.
PORTAL VEIN: appears normal in course and caliber. PV- 9 mm

GALL BLADDER : is distended and appears normal. No calculus or mass lesion seen.
CBD: appears normal, 5mm.

PANCREAS : Pancreas appears normal in size and echo pattern.

SPLEEN : Spleen is normal in size (9.5 cm) and shows normal echo pattern.

KIDNEYS : Both kidneys are normal in size, shape & echotexture.
11mm size of calculus noted in right upper ureter, 5.5cm distal to PUJ causing mild proximal hydronephrosis.
Small 3-4mm sized renal concretions noted on both sides. No hydronephrosis on left side.

URINARY BLADDER : is full & normal.

PROSTATE: normal in size.

Bowel loops appear normal. No any inflammatory wall thickening or mass lesion is seen.
No lymphadenopathy seen.
No evidence of collection or mass lesion seen in RIF.
No free fluid.

IMPRESSION :

Fatty liver.

Calculus in right upper ureter, causing mild proximal hydronephrosis.
Small renal concretions on both sides. No hydronephrosis on left side.


DR. JAY THAKKAR, MD

Patient Name	RAVI BACHANI	Patient ID	UHID27630
Age/Gender	33 Years / M	Study Date	23-Oct-2024
Referred By		Reported Date	23-Oct-2024

X – RAY CHEST PA VIEW:

Both lung fields under vision appear normal.
Cardiac size appears normal.
Both costophrenic angles are clear.
Hilar regions are normal.
Both domes appear normal in position.
Bony thorax under vision appears normal.



Dr.Sunny Shivilani
MD Radiology REG-33548

Date Reported: 23-Oct-2024

This Report is done and digitally signed via Tele Radiology Done at Radiscan Diagnostic Ahmedabad. For any clinical discrepancy, please discuss with the Radiologist. This report is not valid for any medico-legal purposes

**TEST REPORT**

Reg. No : 2410100495 UHID : UHID27630 Reg. Date : 23-Oct-2024
Name : MR.RAVI BACHANI Collected On : 23-Oct-2024 10:43
Age/Sex : 33 Years / Male Report Date : 23-Oct-2024
Ref. By : MEDIWHEEL

Parameter	Result	Unit	Reference Interval
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COMPLETE BLOOD COUNT (CBC)

Hemoglobin (SLS method)	14.2	g/dL	13.0 - 17.0
Hematocrit (Electrical Impedance)	43.0	%	40 - 54
RBC Count (Electrical Impedance)	5.03	million/cmm	4.5 - 5.5
WBC Count (Flowcytometry)	5480	/cmm	4000 - 10000
Platelet Count (Electrical Impedance)	270000	/cmm	150000 - 410000
MCV (Calculated)	85.5	fL	83 - 101
MCH (Calculated)	28.3	Pg	27 - 32
MCHC (Calculated)	33.2	%	31.5 - 34.5
RDW (Calculated)	13.0	%	11.5 - 14.5

DIFFERENTIAL WBC COUNT

Neutrophils (%)	43	%	38 - 70
Lymphocytes (%)	42	%	20 - 45
Monocytes (%)	05	%	2 - 8
Eosinophils (%)	10	%	1 - 4
Basophils (%)	00	%	0 - 1
Neutrophils (Absolute)	2356	/cmm	1800 - 7700
Lymphocytes (Absolute)	2302	/cmm	1000 - 3900
Monocytes (Absolute)	274	/cmm	200 - 800
Eosinophils (Absolute)	548	/cmm	20 - 500
Basophils (Absolute)	0	/cmm	0 - 100
Neutrophil-Lymphocyte Ratio(NLR)	0.99	/cmm	0.7 - 4.0

PERIPHERAL SMEAR EXAMINATION

RBC Morphology	RBCs are Normochromic Normocytic.
WBC Morphology	Total Wbc count is normal
Platelets	Platelets are adequate with normal morphology.
Parasites	Malarial parasite is not detected.

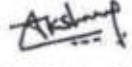
ERYTHROCYTE SEDIMENTATION RATE

ESR (After 1 hour)	8	mm/hr	0 - 14
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----- End Of Report -----

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Approved by:


Dr. Yesha H. Shah
(MD.Pathology)
Mr. Akshay Parmar
M.Sc(Biochemistry)

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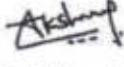
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Parameter	Result	Unit	Reference Interval
FBS Fasting Blood Sugar (FBS) Glucose Oxidase-Peroxidase	107.0	mg/dL	70 - 110
PPBS Post Prandial Blood Sugar (PPBS) Glucose Oxidase-Peroxidase	125.0	mg/dL	110 - 140

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HEMOGLOBIN A1C ESTIMATION

Specimen: Blood EDTA

Hb A1C <i>HPLC, NGSP Certified</i>	4.8	%	>8 : Action Suggested , 7-8 : Good Control , <7 : Goal , 6-7 : Near Normal Glycemia, <6 : Non-diabetic Level
Mean Blood Glucose <i>Calculated</i>	91.06	mg/dL	

Criteria for the diagnosis of diabetes:

1. HbA1c ≥ 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 ≥ 200 mg/dL during an oral glucose tolerance test by using a glucose load containing equivalent of 75 gm anhydrous glucosedissolved in water.Or
 4. In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose ≥ 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.



Importance of HbA1C (Glycated Hb.) in Diabetes Mellitus:

- HbA1C, also known as glycated heamoglobin, is the most important test for the assessment of long term blood glucose control(also called glycemic control).
- HbA1C reflects mean glucose concentration over pas 6-8 weeks and provides a much better indication of longterm glycemic control than blood glucose determination.
- HbA1c is formed by non-enzymatic reaction between glucose and Hb. This reaction is irreversible and therefore remains unaffected by short term fluctuations in blood glucose levels.
- Long term complications of diabetes such as retinopathy (Eye-complications), nephropathy (kidney-complications) and neuropathy (nerve complications), are potentially serious and can lead to blindness, kidney failure, etc.- Glyemic control monitored by HbA1c measurement using HPLC method (GOLD STANDARD) is considered most important. (Ref. National Glycohaemoglobin Standardization Program - NGSP).

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Parameter	Result	Unit	Reference Interval
LIVER FUNCTION TEST			
SGPT <i>Optimized UV-IFCC</i>	23.6	U/L	1 - 45
SGOT <i>Optimized UV-IFCC</i>	16.5	U/L	1 - 35
Total Bilirubin <i>DCA method</i>	0.88	mg/dL	0 - 2.0
Direct Bilirubin <i>DCA method</i>	0.38	mg/dL	0.0 - 0.4
INDIRECT BILIRUBIN <i>Calculated</i>	0.50	mg/dL	0.0 - 1.6
Alkaline Phosphatase <i>PNP-AMP Buffer, Multiple-point rate</i>	72	U/L	53 - 128
Total Protein	7.21	g/dL	6.4 - 8.2
Albumin <i>By Bromocresol Green</i>	4.29	g/dL	3.5 - 5.2
Globulin <i>Calculated</i>	2.92	g/dL	2.3 - 3.5
A/G Ratio <i>Calculated</i>	1.47		0.8 - 2.0
GGT	13.8	U/L	1 - 55
HBsAg <i>Immunochromatography</i>	Non - Reactive		

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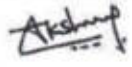
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RENAL FUNCTION TEST			
Creatinine <i>Enzymatic ,IDMS Traceable</i>	0.77	mg/dL	0.7 - 1.3
Urea <i>Urease-GLDH, enzymatic UV</i>	28.3	mg/dL	19.0 - 45.0
BUN <i>Calculated</i>	13.22	mg/dL	7 - 18
Uric Acid <i>Enzymatic using TBHBA</i>	4.2	mg/dL	3.5 - 7.2
Sodium <i>Direct ISE</i>	138.3	mmol/L	137 - 145
Potassium <i>Direct ISE</i>	4.52	mmol/L	3.6 - 5.1
Chloride <i>Direct ISE</i>	95.3	mmol/L	94 - 110
Ionized Calcium <i>Direct ISE</i>	4.89	mg/dL	4.4 - 5.4

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LIPID PROFILE

Cholesterol <i>CHOD-PAP method</i>	130	mg/dL	Desirable : < 200.0 Borderline High : 200-239 High : > 240.0
Triglyceride <i>Enzymatic with GPO method</i>	78.3	mg/dL	Normal : < 150.0 Borderline : 150-199 High : 200-499 Very High : > 500.0
VLDL <i>Calculated</i>	15.66	mg/dL	15 - 35
LDL CHOLESTEROL	125.3	mg/dL	Optimal : < 100.0 Near / above optimal : 100-129 Borderline High : 130-159 High : 160-189 Very High : >190.0
HDL Cholesterol <i>Magnetic Cholesterol Oxidase</i>	45.5	mg/dL	Low : < 40 High : > 60
Cholesterol /HDL Ratio <i>Calculated</i>	2.86		0 - 5.0
LDL / HDL RATIO <i>Calculated</i>	2.75		0 - 3.5
Total Lipids <i>Calculated</i>	376.60		400 - 1000

- Pre-analytical requirements for given tests are -Fasting status anywhere between 10-12 hours before collection. Avoid alcohol beverages before lipid panel - minimum 24 hrs.
- Lipid profile results can be erroneous if pre-analytical requirements are not met properly.
- Any medical decision based on test results is to be taken with 2 or more consecutive results suggesting pattern.
- Please note that any lipid lowering drug may interfere in results estimation.
- Sudden commencement or sudden withdrawal of Lipid lowering drug will interfere with test result.

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THYROID FUNCTION TEST

T3 (Triiodothyronine) CMA	1.28	ng/mL	0.6 - 1.81
T4 (Thyroxine) CMA	7.89	µg/dL	4.5 - 12.5
TSH ELFA-Enzyme Linked Fluorescent Assay	2.170	µIU/ml	0.35 - 4.94

ELFA-Enzyme Linked Fluorescent Assay

Thyroid stimulating hormone (TSH) is synthesized and secreted by the anterior pituitary in response to a negative feedback mechanism involving concentrations of FT3 (free T3) and FT4 (free T4). Additionally, the hypothalamic tripeptide, thyrotropin-releasing hormone (TRH), directly stimulates TSH production. TSH stimulates thyroid cell production and hypertrophy, also stimulate the thyroid gland to synthesize and secrete T3 and T4. Quantification of TSH is significant to differentiate primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

TSH levels During Pregnancy :

First Trimester : 0.1 to 2.5 µIU/mL

Second Trimester : 0.2 to 3.0 µIU/mL

Third trimester : 0.3 to 3.0 µIU/mL

Reference : Carl A. Burtis, Edward R. Ashwood, David E. Bruns. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 5th Edition.


Philadelphia: WB Saunders, 2012:2170

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BLOOD GROUP & RH

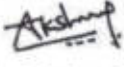
SPECIMEN: EDTA AND SERUM; METHOD: HAEMAGGLUTINATION

ABO	'O'
Rh (D)	Positive

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