# Dr. Roopa Goyal

MD (Radio-Diagnosis)



### SHOP NO. 16-17, IST FLOOR SHOPPING CENTRE, OPP. JLN HOSPITAL, AJMER -305 001 PHONE: 2428948

Patient Name: MR. RAVI BACHANI

Age / Gender: 32 years / Male

**Endo ID:** 116390

Organization: Goyal Diagnostics Profile

Referral: MEDIWHEEL



Collected Date & Time: Apr 08, 2023, 02:16 p.m.

Reported Date & Time: Apr 08, 2023, 03:38 p.m.

Sample ID:

Test Description	Value(s)	Unit(s)	Reference Range
BIOCHEMISTRY			
LIPID PROFILE			
Cholesterol Total  Method: ENZYMETIC COLORIMETRIC METHOD CHOD	145.0	mg/dL	130 -250
POD			
Triglycerides  Method: ENZYMETIC COLORIMETRIC	78.9	mg/dL	60 -170
HDL Cholesterol	52.7	mg/dL	Normal: 40-60
Method: PHOSPHOTUNGSTIC ACID			Major Risk for Heart: > 60
VLDL Cholesterol Method : Calculated	15.78	mg/dL	6 - 38
LDL Cholesterol	76.52	mg/dL	Optimal < 100
Method : Calculated			Near / Above Optimal 100-129
			Borderline High 130-159
			High 160-189
			Very High >or = 190
CHOL/HDL Ratio Method : Calculated	2.75		2.6-4.9
LDL/HDL Ratio Method : Calculated	1.45		0.5-3.4



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Sample ID:

Test Description	Value(s)	Unit(s)	Reference Range	
IMMUNOLOGY				
T3-Triiodothyronine	1.07	ng/dL	0.60-1.81	
Method: CHEMILUMINOSCENCE				
T4-Thyroxine	9.8	ug/dL	4.5 - 10.9	
Method: CHEMILUMINOSCENCE				
TSH -ULTRA SENSITIVE	1.97	uIU/mL	0.35 - 5.50	
Method: CHEMILUMINOSCENCE				

#### Interpretation:

TSH measurement is useful in screening and diagnosis for euthyroidism, hyperthyroidism and hypothyroidism. TSH levels may be affected by acute illness and drugs like doapmine and glucocorticoids. Low or undetectable TSH is suggestive of graves 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.



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**Collected Date & Time :** Apr 08, 2023, 02:16 p.m. **Reported Date & Time :** Apr 08, 2023, 02:54 p.m.

Sample ID:

Test Description	Value(s)	Unit(s)	Reference Range
<u>HAEMATOLOGY</u>			
HbA1c (GLYCOSYLATED HEMOGLOBIN)	5.5	%	> 8% Action Suggested
BLOOD			7 - 8 % Good Control
Method: Nephelometry Methodology			< 7% Goal
			6 - 7 % Near Normal Glycemia
			< 6% Normal level

#### Instrument:Mispa i2

#### **Clinical Information:**

Glycated hemoglobin measurement is not appropriate where there has been a change in diet or treatment within 6 weeks. Hence, people with recent blood loss, hemolytic anemia, or genetic differences in the hemoglobin molecule (hemoglobinopathy and Hb variants viz: HbS,HbC,HbE, HbD,elevated HbF, as well as those that have donated blood recently, are not suitable for this test. Conditions associated with false increased HbA1C values: HbF, Uremia,Lead Poisoning, Hypertriglyceridemia, Alcoholism, Opiate addiction, Iron defiency state,Postsplenectomy, Hyperbilirubinemia, Chronic aspirin therapy. Conditions associated with false low HbA1C values: HbS, HbC, Hemolytic anemia, Pregnancy, Acute or chronic blood loss

**AVERAGE BLOOD GLUCOSE** 

111.15

90 - 120 Very Good Control 121 - 150 Adequate Control 51 - 180 Sub-optimal Control 181 - 210 Poor Control > 211 Very Poor Control



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Reported Date & Time: Apr 08, 2023, 03:37 p.m.

Sample ID:

Test Description	Value(s)	Unit(s)	Reference Range	
BIOCHEMISTRY				
RENAL FUNCTION TEST				
Urea	21.7	mg/dL	10 - 45	
Method : Uricase				
Creatinine	0.82	mg/dL	0.6 - 1.4	
Method : Serum, Jaffe				
Uric Acid	4.1	mg/dL	3.0 - 7.0	
Method : Serum, Uricase				
Calcium	9.21	mg/dl	8.6 - 10.2	
Method: ARSENASO with serum				
Sodium	139	mmol/L	135 - 145	
Method : Ion-Selective Electrode with serum				
Potassium	4.0	mmol/L	3.50 - 5.00	
Method : Ion Selective Electrode with serum				
Chlorides	101	mmol/L	98 - 106	
Method : Ion-Selective Electrode with serum				

<sup>\*\*</sup>END OF REPORT\*\*



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Test Description	Value(s)	Unit(s)	Reference Range
HAEMATOLOGY			
Hemoglobin (HB)	14.6	gm/dl	13.5 - 18.0
Erythgrocyte (RBC) Count	5.16	mil/cu.mm	4.7 - 6.0
Packed Cell Volume (PCV)	42.5	%	42 - 52
Mean Cell Volume (MCV)	82.4	FL	78 - 100
Mean Cell Haemoglobin (MCH)	28.3	Pg	27 - 31
Mean Corpuscular Hb Concn. (MCHC)	34.4	g/dl	32 - 36
Red Cell Distribution Width (RDW)	13.1	%	11.5 - 14.0
Total Leucocytes Count (WBC)	7600	Cell/cu.mm	4000 - 10000
Neutrophils	52	%	40 - 80
Lymphocytes	40	%	20 - 40
Monocytres	04	%	2 - 10
Eosinophils	04	%	1-6
Basophils	00	%	0-1
Mean Platelet Volume (MPV)	10.2	fL	7.2 - 11.7
РСТ	0.24	%	0.2 - 0.5
Platelet Count	237	10^3/ul	150 - 450

<sup>\*\*</sup>END OF REPORT\*\*



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Sample ID:

Test Description	Value(s)	Unit(s)	Reference Range
DIOCHEMICADY			
BIOCHEMISTRY			
IRON - SERUM	114.3	ug/dL	65 - 175
TOTAL IRON BINDING CAPACITY(TIBC)	376	ug/dL	228 - 428
FERRITIN	66.5	ng/mL	Male:22-322
Method : Serum CLIA			Female:10-291
TRANSFERRIN SATURATION %	30.40	%	16 - 50
Method : Calculated			

INTERPRETATION

The serum iron test is used to measure the amount of iron that is in transit in the body – the iron that is bound to transferrin in the blood. Along with other tests, it is used to help detect and diagnose iron deficiency or iron overload. Testing may also be used to help differentiate various causes of anemia. The amount of iron present in the blood will vary throughout the day and from day to day. For this reason, serum iron is almost always measured with other iron tests, including ferritin, transferrin, and calculated total iron-binding capacity (TIBC) and transferrin saturation. Serum ferritin appears to be in equilibrium with tissue ferritin and is a good indicator of

storage iron in normal subjects and in most disorders. In patients with some hepatocellular diseases, malignancies and inflammatory diseases, serum ferritin is a disproportionately high estimate of storage iron because serum ferritin is an acute phase reactant. In such

disorders iron deficiency anemia may exist with a normal serum ferritin conc. In the presence of inflammation, persons with low serum ferritin are likely to respond to iron therapy.

Increased Levels -

Iron overload - Hemochromatosis, Thalassemia & Sideroblastic anemia

- -Malignant conditions Acute myeloblastic & Lymphoblastic leukemia, Hodgkin's disease & Breast carcinoma
- -Inflammatory diseases Pulmonary infections, Osteomyelitis, Chronic UTI, -Rheumatoid arthritis, SLE, burns, Acute & Chronic hepatocellular disease

Decreased Levels

-Iron deficiency anemia

\*\*END OF REPORT\*\*

SP.

Dr. Nishi Prasad M.D. (Patho.)

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Collected Date & Time: Apr 08, 2023, 02:16 p.m.

Reported Date & Time: Apr 08, 2023, 03:40 p.m.

Sample ID:

Test Description	Value(s)	Unit(s)	Reference Range
BIOCHEMISTRY			
C-Reactive Protein; CRP, SERUM	0.39	mg/L	0.0-6.0

#### Interpretation:

- 1. Measurement of CRP is useful for the detection and evaluation of infection, tissue injury, inflammatory disorders and associated diseases .
- 2. High sensitivity CRP (hsCRP) measurements may be used as an independent risk marker for the identification of individual at risk for future cardiovascular disease.
- 3. Increase in CRP values are non-Specific and should not be interpreted without a complete history.



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Sample ID:

Test Description	Value(s)	Unit(s)	Reference Range
BIOCHEMISTRY			
LIVER FUNCTION TEST			
Bilirubin - Total	0.69	gm/dl	0.0 - 1.20
Bilirubin - Direct	0.26	mg/dL	0.00 - 0.30
Bilirubin - Indirect Method : Calculated	0.43	mg/dL	0.1 - 1.0
ASPARTATE AMINO TRANSFERASE (SGOT-AST)  Method: IFCC with Serum	24.1	U/L	5.0-40.0
ALANINE AMINO TRANSFERASE (SGPT-ALT)  Method: IFCC with POD Serum	33.5	U/L	5.0 - 40.0
Alkaline Phosphatase	88.0	U/L	MALE & FEMALE
Method : IFCC with Serum			4-19 YEAR: 54-369 U/L
			20-59 YEAR: 42-98 U/L
			>60 YEAR: 53-141 U/L
Total Protein  Method: Biuret, with Serum	7.68	g/dL	6.00 - 8.00
Albumin	4.54	g/dL	3.40 - 5.50
Method : Tech; BCG with Serum		<u> </u>	
Globulin	3.14	g/dL	1.5 - 3.5
Method : Calculated			
A/G Ratio	1.45		1.5 - 2.5
Method : Calculated			



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Test Description	Value(s)	Unit(s)	Reference Range	
BIOCHEMISTRY				
Gamma GT	21	U/L	8-61	

Method : G-Glutamyl-Carboxy-Nitoanilide

#### Interpretation

A high GGT level can help rule out bone disease as the cause of an increased ALP level, but if GGT is low or normal, then an increased ALP is more likely due to bone disease. Even small amounts of alcohol within 24 hours of a GGT test may cause a temporary increase in the GGT.



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Test Description	Value(s)	Unit(s)	Reference Range	
CLINICAL PATHOLOGY				
General Examination				
Colour	Pale yellow		Pale Yellow	
Transparency (Appearance)	Clear		Clear	
Reaction (pH)	Acidic		4.5 - 7.0	
Specific gravity	1.015		1.005 - 1.030	
Chemical Examination				
Urine Protein (Albumin)	NIL		NIL	
Urine Glucose (Sugar)	NIL		NIL	
Microscopic Examination				
Pus cells (WBCs)	1-2	/hpf	0-9	
Epithelial cells	4-5	/hpf	0-4	
Red blood cells	NIL	/hpf	0-4	
Crystals	Absent		Absent	
Cast	Absent		Absent	
Amorphous deposits	Absent		Absent	
Bacteria	Absent		Absent	
Yeast cells	Absent		Absent	



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Collected Date & Time: Apr 08, 2023, 02:16 p.m.

Reported Date & Time: Apr 08, 2023, 03:39 p.m.

Sample ID:

\_\_\_\_\_

Value(s)

Unit(s)

Reference Range

#### **HAEMATOLOGY**

**Test Description** 

BLOOD GROUP ABO AND RHTYPE

'O' POSITIVE

Method : Gel Technique & Tube Agglutination

Medical Remark:

The blood group done is forward blood group only. In case of any discrepancy kindly contact the lab



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Sample ID:

Test Description	Value(s)	Unit(s)	Reference Range	
BIOCHEMISTRY				
Glucose fasting  Method : Fluoride Plasma-F, Hexokinase	95.46	mg/dL	70.0-110.0	



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**Collected Date & Time :** Apr 08, 2023, 02:16 p.m. **Reported Date & Time :** Apr 08, 2023, 04:06 p.m.

Sample ID:

230980133

Test Description	Value(s)	Unit(s)	Reference Range
BIOCHEMISTRY			
Blood Glucose-Post Prandial  Method : Hexokinase	102.94	mg/dL	70 - 140



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NAME- Ravi Bachani AGE- 31 yrs DATE - 8-04-2023 REF.BY -

## SKIAGRAM CHEST PA VIEW

Both cp angles are clear. Cardiac size is within normal limits. Both lungs fields are clear.

NAD IN HEART AND LUNGS.



# r. Roopa Goyal

) (Radio-Diagnosis)



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## USG ABDOMEN-PELVIS

NAME - Ravi Bachani

AGE - 31 vrs

Date - 08-04-2023

REF BY -

LIVER: is Enlarged and bright 15.5 cm and shows homogeneous echotexture. No evidence of intrahepatic biliary radicles dilatation / focal space occupying lesion. The portal vein and common bile duct show normal caliber.

GALL BLADDER: distended and shows smooth walls. Wall thickness appears normal. No evidence of sludge/ calculus . No evidence of pericholecystic collection.

SPLEEN: normal in size and shows normal echopattern.

PANCREAS: Normal in size, shape and position. Parenchyma is homogenous.

KIDNEYS: Both the kidneys are normal in size, shape and location. Both show normal corticomedullary differentiation.

Right kidney - measures :-- 11.0 x 4.7 cm, A calculus of 5.9 mm is Seen in upper calyx. Left kidney - measures :- 10.0 x 4.4 cm , A calculus of 6.8 mm is Seen in middle calyx .

URINARY BLADDER: is distended with smooth walls. No evidence of diverticulum or calculus

PROSTATE: is normal in size and shows normal homogeneous echotexture No evidence of ascites / pleural effusion.

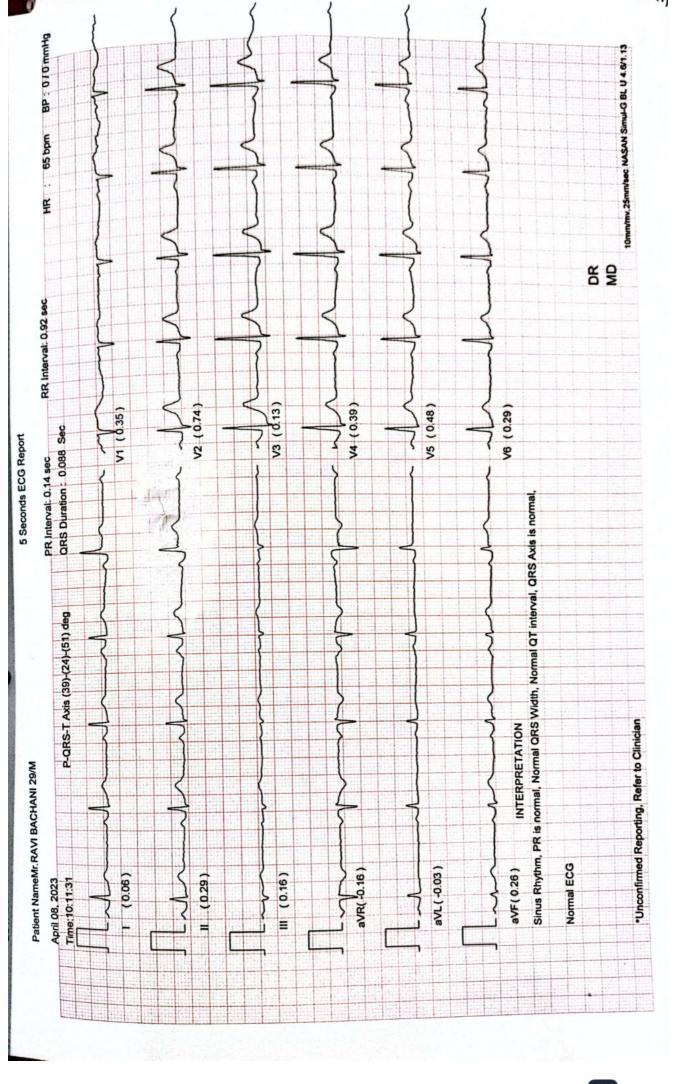
### IMPRESSION:-

- Enlarged Fatty Liver
- Bilateral renal calculi

(Adv- clinical correlation, further evaluation)

ूण लिंग परिक्षण करवाना जघन्य अपराध है। इसकी शिकायत 104 टोल फ्री सेवा पर की जा सकती है।





(Radio-Diagnosis)

P NO. 16-17, IST FLOOR SHOPPING CENTRE, OPP. JLN HOSPITAL, AJMER -305 001 PHONE : 2428948

NAME

**MR. RAVI BACHANI** 

DATE

08-04-2023

AGE SEX **31 YRS** 

MALE

REF BY

:

INTERPRETATION SUMMARY

NORMAL CHAMBER DIMENSIONS

INTACT IAS/ IVS

ALL VALVES ARE NORMAL.

TRACE TR , TRACE MR

. RVSP 15 MM HG

. NO RWMA : LVEF 65 %

NO CLOT, VEGITATION.

. NO PERICARDIAL EFFUSION

NORMAL PERICARDIUM

M MODE/2D MEASUREMENTS (MM) &CALCULATIONS (MI)

LVID d	44.3	LVEDV	
LVID s	28.5	LVESV	
RVID(d)	T	SV	-
IVS d	10.5	F.S	35%
IVS S	14.3	EF	65%
LVPW d	9.6	C.0	-
LVPWS	13.6	MITRAL VALVE	-
AORTIC ROOT	29.3	EF SLOPE	-
	36.8	OPENING AMPLITUDE	-
LEFT ATRIUM AORTIC CUSP OPENING	-	E.P.S.S	-

**DOPPLER MEASUREMENTS & CALCULATIONS:** 

DOPPLEK MEA	SUKEMENTS	VELOCITY(cm/sec.)	GRADIENT P/M	REGURGITATION	
STRUCTURE	MORPHOLOGY		GRADICITI	TRACE	
MITRAL VALVE	NORMAL	E- 113 A- 66	•	TRACE	
	NORMAL	120	-	NIL	
PUL VALVE	NORMAL	124	•	NIL	
AORTIC VALVE	NORMAL	112	•	INIC	

PULMONARY ARTERY	MITRAL VALVE AREA (BY P 1/2 T)	
PEAK ACCELERATION TIME	PRESSURE HALF TIME	
SYSTOLIC PRESSURE 15 MM HG	MVA	

भूण लिंग परिक्षण करवाना जघन्य अपराध है। इसकी शिकायत 104 टोल फ्री सेवा पर की जा सकती है।

DIGITAL Y-RAY BMD OPG MAMMOGRAPHY CLINICAL LAB. PAP SMEAR FNAC THE REPORT IN NOT MEANT FOR MEDICO-LEGAL PURPOSE. HOLTER TMT ECHOCARDI



