

# Dr. Goyal's

## Path Lab & Imaging Centre

B-51, Ganesh Nagar, Near Metro Pillar No. 109-110, New Sanganer Road,  
Sodala, Jaipur-302019

Tele : 0141-2293346, 4049787, 988704978

### General Physical Examination

Website: www.drgoyalpathlab.com | E-mail: drgoyalpiyush@gmail.com

Date of Examination: 07-04-24

Name: Akhe Singh Age: 49 Sex: Male

DOB: 01.01.1975

Referred By: Boig

Photo ID: Aadhay ID #: adchreal

Ht: 179 (cm)

Wt: 93 (Kg)

Chest (Expiration): 105 (cm)

Abdomen Circumference: 99 (cm)

Blood Pressure: 161/114 mm Hg PR: 90 min

BMI 29 kg/m<sup>2</sup>

Eye Examination: Dis vision G/G near vision N/G.

with spec. NO colour blindness.

Other: not significant.

On examination he/she appears physically and mentally fit: Yes/No

Signature Of Examinee : \_\_\_\_\_ Name of Examinee: \_\_\_\_\_


Signature Medical Examiner : D Piyush Goyal Name Medical Examiner \_\_\_\_\_  
M.B.B.S. D.M.R.D.  
M.C. Reg. No. -077936

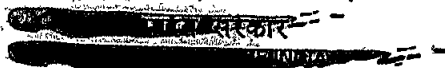
## *Conditions of Reporting*

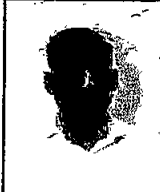
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6. This report is not valid for any medico -legal purposes.

**भारतीय रिजिस्ट्रार जनरल**

**भारतीय रिजिस्ट्रार जनरल**







अखे सिंह

**Akhe Singh**


जन्म तिथि / DOB : 01/01/1975

पुरुष / MALE

Mobile No. 7297964039

**9561 3011 7874**


VID : 9193 9331 3245 7226

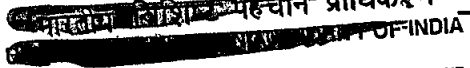


**मेरा आधार, मेरी पहचान**

**भारतीय रिजिस्ट्रार जनरल**


**भारतीय रिजिस्ट्रार जनरल**






**पता:**  
S/O: दुर्गा सिंह राठौड़, भादवा, भादवा, नागौर,  
राजस्थान - 341501


**Address**  
S/O: Durga Singh Rathore BHADWA  
Bhadwa Bhadawa Nagaur Rajasthan -  
341501




1847  
1800 300 1847



help@uidai.gov.in



www.uidai.gov.in



P.O. Box No. 1947,  
Bengaluru-560 001

**D Piyush Goyal**  
M.B.E.S., D.M.R.D.  
RMC Reg. No.-017996

Vertical text along the right edge, possibly bleed-through or a margin note.

DR. GOYAL PATH LAB

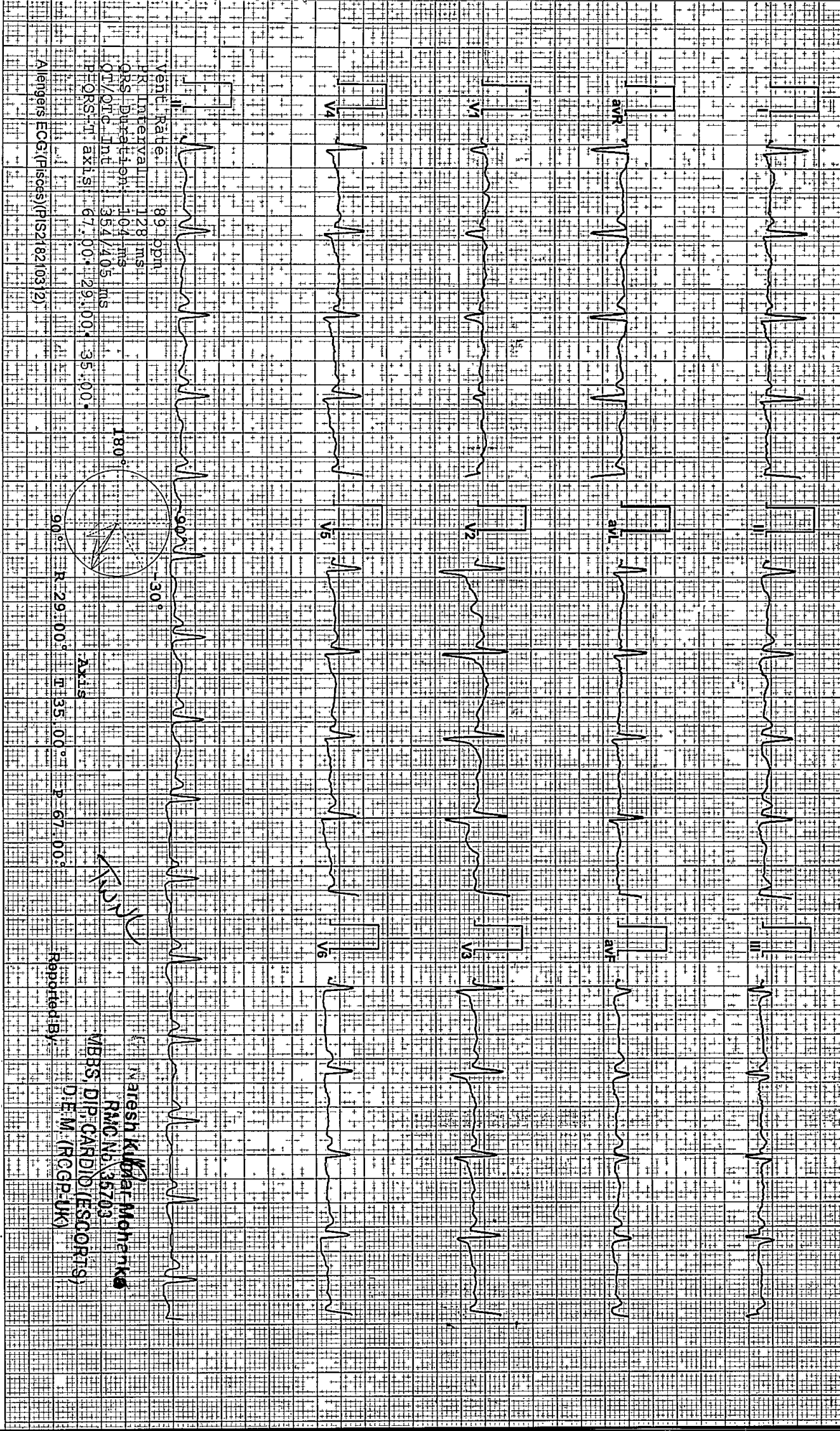
5202

/ MR AKHE SINGH / 49 Yrs / M

ECCG

Heart Rate : 89 bpm / Tested On : 07-Apr-24 10:49:01 / HF 0.05 Hz - LF 35 Hz / Notch 50 Hz / Sn 1.00 Cm/mV / Sw 25 mm/s

/ Refd By: BOB



Heart Rate: 89 bpm

PR Interval: 128 ms

QRS Duration: 104 ms

QT/QTc Int: 354/405 ms

QRS-T axis: 67.00° / 29.00° / 35.00°

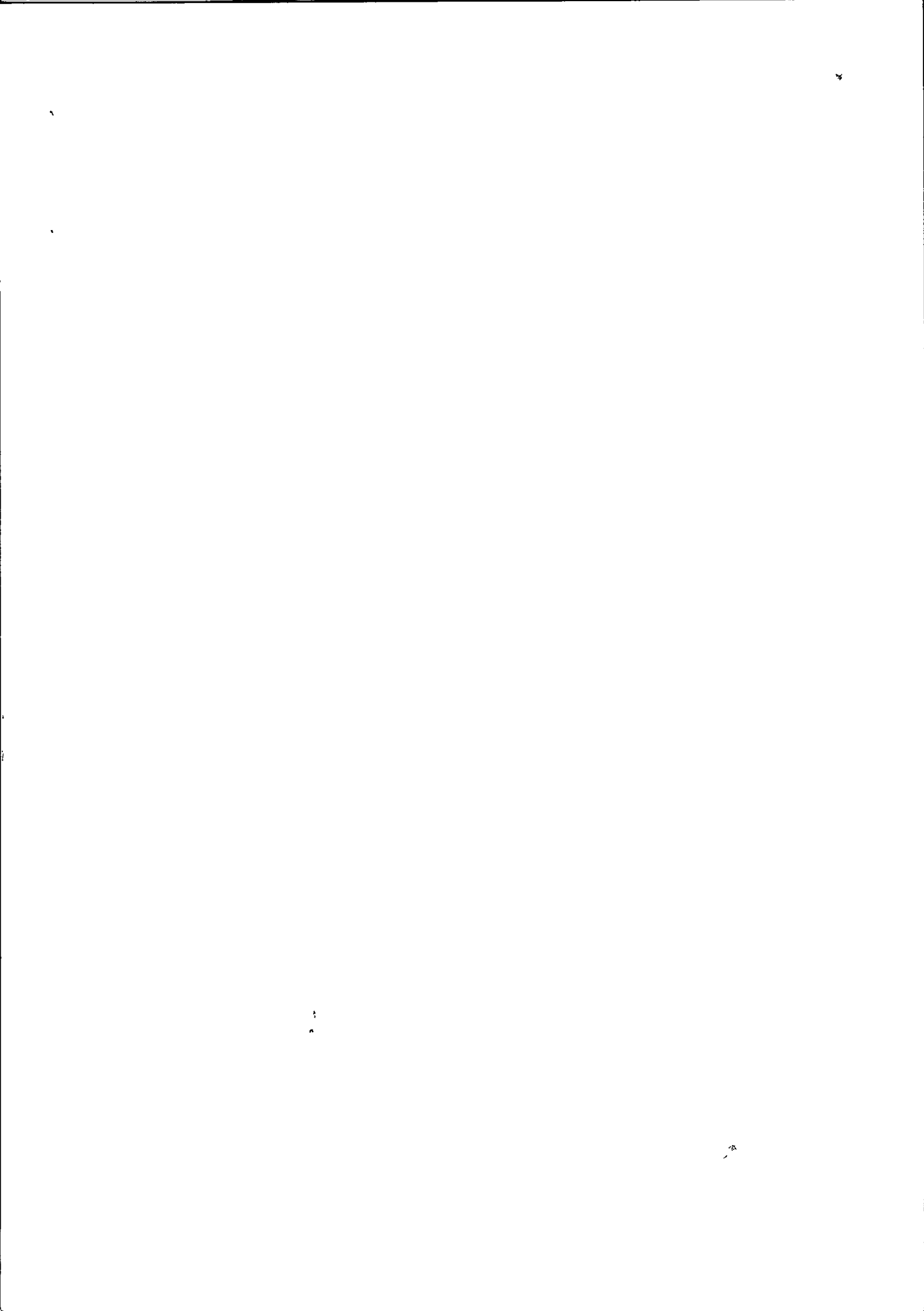


Axis

APR

Arash Kumar Mohanta  
RMO No. 35703  
MBBS, DIP-CARDIO (ESCOPRS),  
D.F.M. (RCGP, UK)

Reported by:



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Website: www.drgoyalspathlab.com | E-mail: drgoyalpiyush@gmail.com

Date :- 07/04/2024 08:57:13

Patient ID :-122424819

NAME :- Mr. AKHE SINGH

Ref. By Dr:- BOB

Sex / Age :- Male 49 Yrs. 3 Mon 7 Days

Lab/Hosp :-

Company :- MediWheel

Sample Type :- EDTA

Sample Collected Time 07/04/2024 09:11:17

Final Authentication : 07/04/2024 14:09:31

## HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
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### BOB PACKAGE ABOVE 40MALE

GLYCOSYLATED HEMOGLOBIN (HbA1C)  
Method:- HPLC

6.1 H %

Non-diabetic: < 5.7  
Pre-diabetics: 5.7-6.4  
Diabetics: = 6.5 or higher  
ADA Target: 7.0  
Action suggested: > 6.5

Instrument name: ARKRAY's ADAMS Lite HA 8380V, JAPAN.

#### Test Interpretation:

HbA1C is formed by the condensation of glucose with n-terminal valine residue of each beta chain of HbA to form an unstable schiff base. It is the major fraction, constituting approximately 80% of HbA1c. Formation of glycated hemoglobin (GHb) is essentially irreversible and the concentration in the blood depends on both the lifespan of the red blood cells (RBC) (120 days) and the blood glucose concentration. The GHb concentration represents the integrated values for glucose over the period of 6 to 8 weeks. GHb values are free of day to day glucose fluctuations and are unaffected by recent exercise or food ingestion. Concentration of plasma glucose concentration in GHb depends on the time interval, with more recent values providing a larger contribution than earlier values. The interpretation of GHb depends on RBC having a normal life span. Patients with hemolytic disease or other conditions with shortened RBC survival exhibit a substantial reduction of GHb. High GHb have been reported in iron deficiency anemia. GHb has been firmly established as an index of long term blood glucose concentrations and as a measure of the risk for the development of complications in patients with diabetes mellitus. The absolute risk of retinopathy and nephropathy are directly proportional to the mean of HbA1C. Genetic variants (e.g. HbS trait, HbC trait), elevated HbF and chemically modified derivatives of hemoglobin can affect the accuracy of HbA1c measurements. The effects vary depending on the specific Hb variant or derivative and the specific HbA1c method.

Ref by ADA 2020

MEAN PLASMA GLUCOSE

128 H mg/dL

Non Diabetic < 100 mg/dL  
Prediabetic 100-125 mg/dL  
Diabetic 126 mg/dL or Higher

Method:- Calculated Parameter

Instrument name: ARKRAY's ADAMS Lite HA 8380V, JAPAN.

Test Interpretation:

represents the...  
by recent exercise or food ingestion...  
providing a larger contribution than...  
disease or other...  
anemia...  
complications...  
HbA1c...  
mean...  
Ref by ADA 2020

MEAN PLASMA GLUCOSE

MUKESH SINGH  
Technologist

*Rashmi Bakshi*

Dr. Rashmi Bakshi  
MBBS, MD (Path)  
RMC No. 17975/008828



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 Sex / Age :- Male 49 Yrs 3 Mon 7 Days  
 Company :- MediWheel

Patient ID :-122424819  
 Ref. By Dr:- BOB  
 Lab/Hosp :-



Sample Type :- EDTA Sample Collected Time 07/04/2024 09:11:17 Final Authentication : 07/04/2024 14:09:31

### HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
<b>HAEMOGARAM</b>			
HAEMOGLOBIN (Hb)	14.3	g/dL	13.0 - 17.0
TOTAL LEUCOCYTE COUNT	7.07	/cumm	4.00 - 10.00
<b>DIFFERENTIAL LEUCOCYTE COUNT</b>			
NEUTROPHIL	61.6	%	40.0 - 80.0
LYMPHOCYTE	34.0	%	20.0 - 40.0
EOSINOPHIL	1.8	%	1.0 - 6.0
MONOCYTE	2.3	%	2.0 - 10.0
BASOPHIL	0.3	%	0.0 - 2.0
NEUT#	4.36	10 <sup>3</sup> /uL	1.50 - 7.00
LYMPH#	2.41	10 <sup>3</sup> /uL	1.00 - 3.70
EO#	0.12	10 <sup>3</sup> /uL	0.00 - 0.40
MONO#	0.16	10 <sup>3</sup> /uL	0.00 - 0.70
BASO#	0.02	10 <sup>3</sup> /uL	0.00 - 0.10
TOTAL RED BLOOD CELL COUNT (RBC)	4.82	x10 <sup>6</sup> /uL	4.50 - 5.50
HEMATOCRIT (HCT)	44.60	%	40.00 - 50.00
MEAN CORP.VOLUME (MCV)	92.6	fL	83.0 - 101.0
MEAN CORP.HB.(MCH)	29.7	pg	27.0 - 32.0
MEAN CORP.HB CONC (MCHC)	32.1	g/dL	31.5 - 34.5
PLATELET COUNT	316	x10 <sup>3</sup> /uL	150 - 410
RDW-CV	14.4 H	%	11.6 - 14.0
MENTZER INDEX	19.21		

The Mentzer index is used to differentiate iron deficiency anemia from beta thalassemia trait. If a CBC indicates microcytic anemia, these are two of the most likely causes, making it necessary to distinguish between them. If the quotient of the mean corpuscular volume divided by the red blood cell count is less than 13, thalassemia is more likely. If the result is greater than 13, then iron-deficiency anemia is more likely.

LYMPH#  
 MONO#  
 BASO#  
 TOTAL RED BLOOD CELL COUNT  
 HEMATOCRIT  
 MEAN CORP VOLUME  
 MEAN CORP HB  
 MEAN CORP HB CONC  
**MUKESH SINGH**  
**Technologist**  
 Page No: 2 of 13  
 MENTZER INDEX



*Rashmi*  
**Dr. Rashmi Bakshi**  
 MBBS, MD ( Path )  
 RMC No. 17975/008828

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 Company :- MediWheel

Sample Type :- EDTA Sample Collected Time 07/04/2024 09:11:17 Final Authentication : 07/04/2024 14:09:31

### HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
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**Erythrocyte Sedimentation Rate (ESR)** 08 mm/hr. 00 - 13

(ESR) Methodology : Measurement of ESR by cells aggregation.  
 Instrument Name : Independent form Hematocrit value by Automated Analyzer (Roller-20)  
 Interpretation : ESR test is a non-specific indicator of inflammatory disease and abnormal protein states.  
 The test is used to detect, follow course of a certain disease (e.g-tuberculosis, rheumatic fever, myocardial infarction  
 Levels are higher in pregnancy due to hyperfibrinogenaemia.  
 The "3-figure ESR" >100 value nearly always indicates serious disease such as a serious infection, malignant paraproteinaemia  
 (CBC); Methodology: TLC DLC Fluorescent Flow cytometry, HB SLS method, TRBC, PCV, PLT Hydrodynamically focused Impedance. and  
 or connective tissue disease.  
 MCH, MCV, MCHC, MENTZER INDEX are calculated. Instrument Name: Sysmex 6 part fully automatic analyzer XN-L, Japan

Date 07/04/24  
 NAME Mr.  
 Sex / Age Male 49 Yrs 3 Mon 7 Days  
 Company MediWheel  
 Sample Type EDTA

Test Name	Value	Unit	Biological Ref Interval
Erythrocyte Sedimentation Rate (ESR)	08	mm/hr.	00 - 13
(ESR) Methodology	Measurement of ESR by cells aggregation.		
Instrument Name	Independent form Hematocrit value by Automated Analyzer (Roller-20)		
Interpretation	ESR test is a non-specific indicator of inflammatory disease and abnormal protein states.		
	The test is used to detect, follow course of a certain disease (e.g-tuberculosis, rheumatic fever, myocardial infarction)		
	Levels are higher in pregnancy due to hyperfibrinogenaemia.		
	The "3-figure ESR" >100 value nearly always indicates serious disease such as a serious infection, malignant paraproteinaemia		
	(CBC); Methodology: TLC DLC Fluorescent Flow cytometry, HB SLS method, TRBC, PCV, PLT Hydrodynamically focused Impedance. and		
	or connective tissue disease.		
	MCH, MCV, MCHC, MENTZER INDEX are calculated. Instrument Name: Sysmex 6 part fully automatic analyzer XN-L, Japan		

MUKESH SINGH  
 Technologist

Page No: 3 of 13



*Rashmi Bakshi*

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 NAME :- Mr. AKHE SINGH Ref. By Dr:- BOB  
 Sex / Age :- Male 49 Yrs 3 Mon 7 Days Lab/Hosp :-  
 Company :- MediWheel  
 Sample Type :- PLAIN/SERUM Sample Collected Time 07/04/2024 09:11:17 Final Authentication : 07/04/2024 10:58:23

## BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
<b>LIPID PROFILE</b>			
TOTAL CHOLESTEROL Method:- Enzymatic Endpoint Method	228.11 H	mg/dl	Desirable <200 Borderline 200-239 High > 240
TRIGLYCERIDES Method:- GPO-PAP	255.70 H	mg/dl	Normal <150 Borderline high 150-199 High 200-499 Very high >500
DIRECT HDL CHOLESTEROL Method:- Direct clearance Method	34.58	mg/dl	Low < 40 High > 60
DIRECT LDL CHOLESTEROL Method:- Direct clearance Method	150.91 H	mg/dl	Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189 Very High >190
VLDL CHOLESTEROL Method:- Calculated	51.14	mg/dl	0.00 - 80.00
T.CHOLESTEROL/HDL CHOLESTEROL RATIO Method:- Calculated	6.60 H		0.00 - 4.90
LDL /HDL CHOLESTEROL RATIO Method:- Calculated	4.36 H		0.00 - 3.50
TOTAL LIPID Method:- CALCULATED	790.95	mg/dl	400.00 - 1000.00
<p><b>TOTAL CHOLESTEROL InstrumentName:Randox Rx Imola</b> Interpretation: Cholesterol measurements are used in the diagnosis and treatments of lipid lipoprotein metabolism disorders/CEPHIL</p> <p><b>TRIGLYCERIDES InstrumentName:Randox Rx Imola</b> Interpretation : Triglyceride measurements are used in the diagnosis and treatment of diseases involving lipid metabolism and various endocrine disorders e.g. diabetes mellitus, nephrosis and liver obstruction.</p> <p><b>DIRECT HDL CHOLESTEROL InstrumentName:Randox Rx Imola</b> Interpretation: An inverse relationship between HDL-cholesterol (HDL-C) levels in serum and the incidence/prevalence of coronary heart disease (CHD) has been demonstrated in a number of epidemiological studies. Accurate measurement of HDL-C is of vital importance when assessing patient risk from CHD. Direct measurement gives improved accuracy and reproducibility when compared to precipitation methods.</p> <p><b>DIRECT LDL CHOLESTEROL InstrumentName:Randox Rx Imola</b> Interpretation: Accurate measurement of LDL-Cholesterol is of vital importance in therapies which focus on lipid reduction to prevent atherosclerosis or reduce its progress and to avoid plaque rupture.</p> <p><b>TOTAL LIPID AND VLDL ARE CALCULATED</b></p>			

VLDL CHOLESTEROL  
Method:- Calculated

CHOLESTEROL/HDL  
Method:- Calculated

LDL /HDL CHOLESTEROL RATIO  
Method:- Calculated

**SURENDRAKHANGA**  
Method:- CALCULATED

TOTAL CHOLESTEROL InstrumentName:Randox Rx Imola

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### BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
<b>LIVER PROFILE WITH GGT</b>			
SERUM BILIRUBIN (TOTAL) Method:- Colorimetric method	0.38	mg/dl	Up to - 1.0 Cord blood <2 Premature < 6 days <16 Full-term < 6 days= 12 1month - <12 months <2 1-19 years <1.5 Adult - Up to - 1.2 Ref-(ACCP 2020)
SERUM BILIRUBIN (DIRECT) Method:- Colorimetric Method	0.09	mg/dL	Adult - Up to 0.25 Newborn - <0.6 > 1 month - <0.2
SERUM BILIRUBIN (INDIRECT) Method:- Calculated	0.29	mg/dl	0.30-0.70
SGOT Method:- IFCC	22.6	U/L	Men- Up to - 37.0 Women - Up to - 31.0
SGPT Method:- IFCC	48.9 H	U/L	Men- Up to - 40.0 Women - Up to - 31.0
SERUM ALKALINE PHOSPHATASE Method:- AMP Buffer	88.70	IU/L	30.00 - 120.00
SERUM GAMMA GT Method:- IFCC	123.10 H	U/L	11.00 - 50.00
SERUM TOTAL PROTEIN Method:- Biuret Reagent	6.83	g/dl	6.40 - 8.30
SERUM ALBUMIN Method:- Bromocresol Green	4.58	g/dl	3.80 - 5.00
SERUM GLOBULIN Method:- CALCULATION	2.25	gm/dl	2.20 - 3.50
A/G RATIO	2.04		1.30 - 2.50

**SERUM BILIRUBIN (INDIRECT)**  
 Total Bilirubin Methodology: Colorimetric method InstrumentName: Randox Rx Imola Interpretation: An increase in bilirubin concentration in the serum occurs in toxic or infectious diseases of the liver e.g. hepatitis B or obstruction of the bile duct and in rhesus incompatible babies. High levels of unconjugated bilirubin indicate that too much haemoglobin is being destroyed or that the liver is not actively treating the haemoglobin it is receiving.

**AST Aspartate Aminotransferase** Methodology: IFCC InstrumentName: Randox Rx Imola Interpretation: Elevated levels of AST can signal myocardial infarction, hepatic disease, muscular dystrophy and organ damage. Although heart muscle is found to have the most activity of the enzyme, significant activity has also been seen in the brain, liver, gastric mucosa, adipose tissue and kidneys of humans.

**ALT Alanine Aminotransferase** Methodology: IFCC InstrumentName: Randox Rx Imola Interpretation: The enzyme ALT has been found to be in highest concentrations in the liver, with decreasing concentrations found in kidney, heart, skeletal muscle, pancreas, spleen and lung tissue respectively. Elevated levels of the transaminases can indicate myocardial infarction, hepatic disease, muscular dystrophy and organ damage.

**Alkaline Phosphatase** Methodology: AMP Buffer InstrumentName: Randox Rx Imola Interpretation: Measurements of alkaline phosphatase are of use in the diagnosis, treatment and investigation of hepatobiliary disease and in bone disease associated with increased osteoblastic activity. Alkaline phosphatase is also used in the diagnosis of parathyroid and intestinal disease.

**TOTAL PROTEIN** Methodology: Biuret Reagent InstrumentName: Randox Rx Imola Interpretation: Measurements obtained by this method are used in the diagnosis and treatment of a variety of diseases involving the liver, kidney and bone marrow as well as other metabolic or nutritional disorders.

**ALBUMIN (ALB)** Methodology: Bromocresol Green InstrumentName: Randox Rx Imola Interpretation: Albumin measurements are used in the diagnosis and treatment of numerous diseases involving primarily the liver or kidneys. Globulin & A/G ratio is calculated.

**Instrument Name** Randox Rx Imola Interpretation: Elevations in GGT levels are seen earlier and more pronounced than those with other liver enzymes in cases of obstructive jaundice and metastatic neoplasms. It may reach 5 to 30 times normal levels in intra- or post-hepatic biliary obstruction. Only moderate elevations in the enzyme level (2 to 5 times normal)

SERUM ALBUMIN  
 Method:- Bromocresol Green

SURENDRAKHANGA  
 Method:- Bromocresol Green

SERUM GLOBULIN  
 Page No: 5 of 13  
 A/G RATIO



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B-51, Ganesh Nagar, Near Metro Pillar No. 109-110, New Sanganeer Road, 5509 Sodala, Jaipur-302019

Tele : 0141-2293346, 4049787, 9887049787

Website: www.drgoyalspathlab.com | E-mail: drgoyalpiyush@gmail.com



Date : 07/04/2024 08:57:13

Patient ID :-122424819

NAME :- Mr. AKHE SINGH

Ref. By Dr:- BOB

Sex / Age :- Male 49 Yrs 3 Mon 7 Days

Lab/Hosp :-

Company :- MediWheel

Sample Type :- PLAIN/SERUM

Sample Collected Time 07/04/2024 09:11:17

Final Authentication : 07/04/2024 10:32:21

## IMMUNOASSAY

Test Name	Value	Unit	Biological Ref Interval
<b>TOTAL THYROID PROFILE</b>			
SERUM TOTAL T3 Method:- Chemiluminescence(Competitive immunoassay)	1.410	ng/ml	0.970 - 1.690
SERUM TOTAL T4 Method:- Chemiluminescence(Competitive immunoassay)	10.000	ug/dl	6.530 - 13.210
SERUM TSH ULTRA Method:- Enhanced Chemiluminescence Immunoassay	2.419	µIU/mL	0.350 - 5.500

**Interpretation:** Triiodothyronine (T3) contributes to the maintenance of the euthyroid state. A decrease in T3 concentration of up to 50% occurs in a variety of clinical situations, including acute and chronic disease. Although T3 results alone cannot be used to diagnose hypothyroidism, T3 concentration may be more sensitive than thyroxine (T4) for hyperthyroidism. Consequently, the total T3 assay can be used in conjunction with other assays to aid in the differential diagnosis of thyroid disease. T3 concentrations may be altered in some conditions, such as pregnancy, that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, Free T3 can provide the best estimate of the metabolically active hormone concentration. Alternatively, T3 uptake, or T4 uptake can be used with the total T3 result to calculate the free T3 index and estimate the concentration of free T3.

**Interpretation:** The measurement of Total T4 aids in the differential diagnosis of thyroid disease. While >99.9% of T4 is protein-bound, primarily to thyroxine-binding globulin (TBG), it is the free fraction that is biologically active. In most patients, the total T4 concentration is a good indicator of thyroid status. T4 concentrations may be altered in some conditions, such as pregnancy, that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, free T4 can provide the best estimate of the metabolically active hormone concentration. Alternatively, T3 uptake may be used with the total T4 result to calculate the free T4 index (FT4I) and estimate the concentration of free T4. Some drugs and some nonthyroidal patient conditions are known to alter T4 concentrations in vivo.

**Interpretation:** TSH stimulates the production of thyroxine (T4) and triiodothyronine (T3) by the thyroid gland. The diagnosis of overt hypothyroidism by the finding of a low total T4 or free T4 concentration is readily confirmed by a raised TSH concentration. Measurement of low or undetectable TSH concentrations may assist the diagnosis of hyperthyroidism, where concentrations of T4 and T3 are elevated and TSH secretion is suppressed. These have the advantage of discriminating between the concentrations of TSH observed in thyrotoxicosis, compared with the low, but detectable, concentrations that occur in subclinical hyperthyroidism. The performance of this assay has not been established for neonatal specimens. Some drugs and some nonthyroidal patient conditions are known to alter TSH concentrations in vivo.

### INTERPRETATION

PREGNANCY	REFERENCE RANGE FOR TSH IN uIU/mL (As per American Thyroid Association)
1st Trimester	0.10-2.50
2nd Trimester	0.20-3.00
3rd Trimester	0.30-3.00

**Interpretation:** The measurement of Total T4 aids in the differential diagnosis of thyroid disease. While >99.9% of T4 is protein-bound, primarily to thyroxine-binding globulin (TBG), it is the free fraction that is biologically active. In most patients, the total T4 concentration is a good indicator of thyroid status. T4 concentrations may be altered in some conditions, such as pregnancy, that affect the capacity of the thyroid hormone-binding proteins. Under such conditions, free T4 can provide the best estimate of the metabolically active hormone concentration. Alternatively, T3 uptake may be used with the total T4 result to calculate the free T4 index (FT4I) and estimate the concentration of free T4. Some drugs and some nonthyroidal patient conditions are known to alter T4 concentrations in vivo.

**NARENDRAKUMAR**  
Technologist

*Rashmi Bakshi*  
**Dr. Rashmi Bakshi**  
MBBS, MD (Path)  
RMC No. 17975/008828

### INTERPRETATION

PREGNANCY



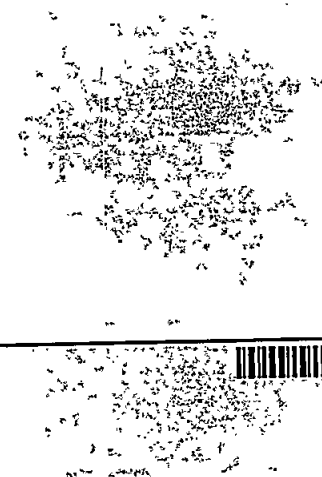
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 Website: www.drgoyalspathlab.com | E-mail: drgoyalpiyush@gmail.com



Date: 07/04/2024 08:57:13 Patient ID :-122424819  
 NAME :- Mr. AKHE SINGH Ref. By Dr:- BOB  
 Sex / Age :- Male 49 Yrs 3 Mon 7 Days Lab/Hosp :-  
 Company :- MediWheel

Sample Type :- URINE Sample Collected Time 07/04/2024 09:11:17 Final Authentication : 07/04/2024 11:31:43

## CLINICAL PATHOLOGY

Test Name	Value	Unit	Biological Ref Interval
<b>Urine Routine</b>			
<b>PHYSICAL EXAMINATION</b>			
COLOUR	PALE YELLOW		PALE YELLOW
APPEARANCE	Clear		Clear
<b>CHEMICAL EXAMINATION</b>			
REACTION(PH)	6.0		5.0 - 7.5
Method:- Reagent Strip(Double indicator blue reaction)			
SPECIFIC GRAVITY	1.010		1.010 - 1.030
Method:- Reagent Strip(bromthymol blue)			
PROTEIN	NIL		NIL
Method:- Reagent Strip (Sulphosalicylic acid test)			
GLUCOSE	NIL		NIL
Method:- Reagent Strip (Glu.Oxidase Peroxidase Benedict)			
BILIRUBIN	NEGATIVE		NEGATIVE
Method:- Reagent Strip (Azo-coupling reaction)			
UROBILINOGEN	NORMAL		NORMAL
Method:- Reagent Strip (Modified ehrlich reaction)			
KETONES	NEGATIVE		NEGATIVE
Method:- Reagent Strip (Sodium Nitropruside) Rothera's			
NITRITE	NEGATIVE		NEGATIVE
Method:- Reagent Strip (Diazotization reaction)			
RBC	NIL		NIL
Method:- Reagent Strip (Peroxidase like activity)			
<b>MICROSCOPY EXAMINATION</b>			
RBC/HPF	NIL	/HPF	NIL
Method:- Reagent Strip(Double indicator blue reaction)			
WBC/HPF	2-3	/HPF	2-3
Method:- Reagent Strip (Sulphosalicylic acid test)			
EPITHELIAL CELLS	0-1	/HPF	2-3
Method:- Reagent Strip (Sulphosalicylic acid test)			
CRYSTALS/HPF	ABSENT		ABSENT
Method:- Reagent Strip (Sulphosalicylic acid test)			
CAST/HPF	ABSENT		ABSENT
Method:- Reagent Strip (Sulphosalicylic acid test)			
AMORPHOUS SEDIMENT	ABSENT		ABSENT
Method:- Reagent Strip (Sulphosalicylic acid test)			
BACTERIAL FLORA	ABSENT		ABSENT
Method:- Reagent Strip (Sulphosalicylic acid test)			
YEAST CELL	ABSENT		ABSENT
Method:- Reagent Strip (Azo-coupling reaction)			
OTHER	ABSENT		
Method:- Reagent Strip (Modified ehrlich reaction)			
KETONES			
Method:- Reagent Strip (Sodium Nitropruside) Rothera's			

*Rashmi*  
**Dr. Rashmi Bakshi**  
 MBBS, MD ( Path )  
 RMC No. 17975/008828

**VIJENDRAMEENA**  
**Technologist**  
 Page No: 7 of 13  
**MICROSCOPY EXAMINATION**  
 RBC/HPF



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 Company :- MediWheel



Sample Type :- KOx/Na FLUORIDE-F, KOx/Na Sodium Fluoride Final Authentication : 07/04/2024 13:26:45

### BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
-----------	-------	------	-------------------------

FASTING BLOOD SUGAR (Plasma) 105.2 mg/dl 75.0 - 115.0  
 Method:- GOD PAP

Impaired glucose tolerance (IGT)	111 - 125 mg/dL
Diabetes Mellitus (DM)	> 126 mg/dL

Instrument Name: Randox Rx Imola Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm, hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels (hypoglycemia) may result from excessive insulin therapy or various liver diseases.

BLOOD SUGAR PP (Plasma) 154.6 H mg/dl 70.0 - 140.0  
 Method:- GOD PAP

Instrument Name: Randox Rx Imola Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm, hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels (hypoglycemia) may result from excessive insulin therapy or various liver diseases.

SERUM CREATININE 1.00 mg/dl Men - 0.6-1.30  
 Method:- Colorimetric Method Women - 0.5-1.20

SERUM URIC ACID 6.88 mg/dl Men - 3.4-7.0  
 Method:- Enzymatic colorimetric Women - 2.4-5.7

Biological Ref Int

FASTING BLOOD SUGAR (Plasma) 105.2 mg/dl 75.0 - 115.0  
 Method:- GOD PAP

Impaired glucose tolerance (IGT)	111 - 125 mg/dL
Diabetes Mellitus (DM)	> 126 mg/dL

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SERUM CREATININE 1.00 mg/dl Men - 0.6-1.30  
 Method:- Colorimetric Method Women - 0.5-1.20

SERUM URIC ACID 6.88 mg/dl Men - 3.4-7.0  
 Method:- Enzymatic colorimetric Women - 2.4-5.7

*Rashmi*

**Dr. Rashmi Bakshi**  
 MBBS, MD ( Path )  
 RMC No. 17975/008828

SURENDRAKHANGA



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Date : 07/04/2024 08:57:13

Patient ID :-122424819

NAME : Mr. AKHE SINGH

Ref. By Dr:- BOB

Sex / Age : Male 49 Yrs 3 Mon 7 Days

Lab/Hosp :-

Company : MediWheel

Sample Type :- EDTA, URINE

Sample Collected Time 07/04/2024 09:11:17

Final Authentication : 07/04/2024 14:09:31

### HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
BLOOD GROUP ABO	"A" POSITIVE		
BLOOD GROUP ABO Methodology : Haemagglutination reaction Kit Name : Monoclonal agglutinating antibodies (Span clone).			
URINE SUGAR (FASTING) Collected Sample Received	Nil		Nil

Date : 07/04/2024 08:57:13

NAME : Mr. AKHE SINGH

Sex / Age : Male 49 Yrs 3 Mon 7 Days

Company : MediWheel

Sample Type :- EDTA, URINE

### HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
BLOOD GROUP ABO	"A" POSITIVE		
BLOOD GROUP ABO Methodology : Haemagglutination reaction Kit Name : Monoclonal agglutinating antibodies (Span clone).			
URINE SUGAR (FASTING) Collected Sample Received	Nil		Nil

MUKESH SINGH, VIJENDRAMEENA  
Technologist

Page No: 11 of 13



*Rashmi Bakshi*

Dr. Rashmi Bakshi  
MBBS, MD (Path)  
RMC No. 17975/008828

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Date : 07/04/2024 08:57:13

Patient ID :-122424819

NAME :- Mr. AKHE SINGH

Ref. By Dr:- BOB

Sex / Age :- Male 49 Yrs 3 Mon 7 Days

Lab/Hosp :-

Company :- MediWheel

Sample Type :- PLAIN/SERUM

Sample Collected Time 07/04/2024 09:11:17

Final Authentication : 07/04/2024 10:58:23

### BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
-----------	-------	------	-------------------------

BLOOD UREA NITROGEN (BUN)

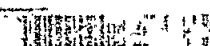
9.1

mg/dl

0.0 - 23.0

Date : 07/04/2024 08:57:13

Patient ID :-122424819



NAME :- Mr. AKHE SINGH

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Sex / Age :- Male 49 Yrs 3 Mon 7 Days

Company :- MediWheel

Sample Type :- PLAIN/SERUM

Final Authentication : 07/04/2024 10:58:23

### BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
-----------	-------	------	-------------------------

BLOOD UREA NITROGEN (BUN)

9.1

mg/dl

0.0 - 23.0

SURENDRAKHANGA

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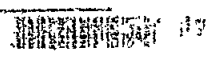
Sample Type :- PLAIN/SERUM Sample Collected Time 07/04/2024 09:11:17 Final Authentication : 07/04/2024 10:32:21

### IMMUNOASSAY

Test Name	Value	Unit	Biological Ref Interval
TOTAL PSA Method:- Chemiluminescence	1.060	ng/ml	0.000 - 4.000

**InstrumentName:** VITROS ECI **Interpretation :** Elevated serum PSA concentrations are found in men with prostate cancer, benign prostatic hypertrophy (BHP) or inflammatory conditions of other adjacent genitourinary tissues, but not in apparently healthy men or in men with cancers other than prostate cancer. PSA has been demonstrated to be an accurate marker for monitoring advancing clinical stage in untreated patients and for monitoring response to therapy by radical prostatectomy, radiation therapy and anti-androgen therapy. PSA is also important in determining the potential and actual effectiveness of surgery or other therapies. Progressive disease is defined by an increase of at least 25%. Sampling should be repeated within two to four weeks for additional evidence. Different assay methods cannot be used interchangeably.

\*\*\* End of Report \*\*\*



Test Name

Biological Ref Int

TOTAL PSA  
Method:- Chemiluminescence

**Instrument Name:** VITROS ECI **Interpretation :** Elevated serum PSA concentrations are found in men with prostate cancer, benign prostatic hypertrophy (BHP) or inflammatory conditions of other adjacent genitourinary tissues, but not in apparently healthy men or in men with cancers other than prostate cancer. PSA has been demonstrated to be an accurate marker for monitoring advancing clinical stage in untreated patients and for monitoring response to therapy by radical prostatectomy, radiation therapy and anti-androgen therapy. PSA is also important in determining the potential and actual effectiveness of surgery or other therapies. Progressive disease is defined by an increase of at least 25%. Sampling should be repeated within two to four weeks for additional evidence. Different assay methods cannot be used interchangeably.

prostate cancer being  
the most common cause  
of elevated prostate  
antigen levels in  
men.

\*\*\* End of Report \*\*\*

NARENDRAKUMAR  
Technologist

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Sex / Age :- Male 49 Yrs 3 Mon 7 Days Lab/Hosp :-  
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Final Authentication : 07/04/2024 12:16:15

BOB PACKAGE ABOVE 40MALE

### X RAY CHEST PA VIEW:

Both lung fields appears clear.  
Bronchovascular markings appear normal.  
Trachea is in midline.  
Both the hilar shadows are normal.  
Both the C.P.angles is clear.  
Both the domes of diaphragm are normally placed.  
Bony cage and soft tissue shadows are normal.  
Heart shadows appear normal.

### Impression :- Normal Study

(Please correlate clinically and with relevant further investigations)



DR ABHISHEK JAIN  
MBBS, DNB. (RADIO DIAGNOSIS)  
RMC NO. 21687

\*\*\* End of Report \*\*\*

**FORM B**

[See Rules 6(2), 6(5) and 8(2)]

**CERTIFICATE OF REGISTRATION**  
(To be issued in duplicate)

In exercise of the powers conferred under Section 19 (1) of the Pre-natal Diagnostic Techniques (Regulation and Prevention of Misuse) Act, 1994 (57 of 1994), **Appropriate Authority, Dist. - Jaipur** I hereby grants registration to the Genetic Counselling Centre\*/Genetic Laboratory\*/Genetic Clinic\*/Ultrasound Clinic\*/Imaging Centre\* named below for purposes of carrying out Genetic Counselling/Pre-natal Diagnostic Procedures\*/Pre-natal Diagnostic Tests/ultrasonography under the aforesaid Act for a period of five years ending on **14/08/2025**

1.

This registration is granted subject to the aforesaid Act and Rules thereunder and any contravention thereof shall result in suspension or cancellation of this Certificate of Registration before the expiry of the said period of five years apart from prosecution.

2.

A. Name and address of the Genetic Counselling **Dr.goyal's Path. Lab & Imaging Center, B-Centre\*/ Genetic Laboratory\*/ Genetic 51 Ganesh Nagar Oppsite Janpat Clinic\*/Ultrasound Clinic\*/ Imaging Centre\*. Corner,new Sanganeri Road,302019**

B. Pre-natal diagnostic procedures\* approved for(Genetic Clinic).

Non-Invasive

**Ultrasound**

Invasive

C. Pre-natal diagnostic tests\* approved (for Genetic Laboratory): **Biochemical Studies**

D. Any other purpose (please specify)

3. Model and make of equipments,being used (any change is to be intimated to the Appropriate Authority under rule 13).

Equipment Name	Model No	Serial No	Manufacturer Name	Machine Type
Wipro GE	Voluson E10	E61906	Wipro GE	New
Wipro GE	Vivid T8	605771WXO	Wipro GE	New
Wipro GE	Voluson E6 BT21	E19168	Wipro GE	New
Siemens	Magnetom Verio 3TMRI	40129	Siemens	New

4. Registration No. allotted **61**

5. Period of validity of earlier Certificate of Registration. **From 15/08/2020 To 14/08/2025**  
(For renewed Certificate of Registration only)

Date: **06.02.2024**Place: **Jaipur**

Signature, Name and Designation of  
Appropriate Authority with SEAL of Office.

SEAL

DISPLAY ONE COPY OF THIS CERTIFICATE AT A CONSPICUOUS PLACE AT THE PLACE OF BUSINESS

**\*Strike out whichever is not applicable or necessary.**

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Final Authentication : 07/04/2024 12:37:42

BOB PACKAGE ABOVE 40MALE  
 2D ECHO OPTION TMT (ADULT/CHILD)

**2D-ECHOCARDIOGRAPHY M.MODE WITH DOPPLER STUDY:**  
**FAIR TRANSTHORACIC ECHOCARDIOGRAPHIC WINDOW MORPHOLOGY:**

MITRAL VALVE	NORMAL	TRICUSPID VALVE	NORMAL
AORTIC VALVE	NORMAL	PULMONARY VALVE	NORMAL

**M.MODE EXAMINATION:**

AO	28	mm	LA	33	Mm	IVS-D	6	mm
IVS-S	13	mm	LVID	36	Mm	LVSD	24	mm
LVPW-D	10	mm	LVPW-S	18	Mm	RV		mm
RVWT		mm	EDV		Ml	LVVS		ml-
LVEF	62%		RWMA			ABSENT		

**CHAMBERS:**

LA	NORMAL	RA	NORMAL
LV	NORMAL	RV	NORMAL
PERICARDIUM		NORMAL	

**COLOUR DOPPLER:**

<b>MITRAL VALVE</b>				
E VELOCITY	0.86	m/sec	PEAK GRADIENT	Mm/hg
A VELOCITY	0.63	m/sec	MEAN GRADIENT	Mm/hg
MVA BY PHT		Cm2	MVA BY PLANIMETRY	Cm2
MITRAL REGURGITATION				ABSENT
<b>AORTIC VALVE</b>				
PEAK VELOCITY	1.0	m/sec	PEAK GRADIENT	mm/hg
AR VMAX		m/sec	MEAN GRADIENT	mm/hg
AORTIC REGURGITATION				ABSENT
<b>TRICUSPID VALVE</b>				
PEAK VELOCITY	0.52	m/sec	PEAK GRADIENT	mm/hg
MEAN VELOCITY		m/sec	MEAN GRADIENT	mm/hg
VMax VELOCITY				
TRICUSPID REGURGITATION				ABSENT
<b>PULMONARY VALVE</b>				
PEAK VELOCITY		M/sec.	PEAK GRADIENT	Mm/hg
MEAN VELOCITY			MEAN GRADIENT	Mm/hg
PULMONARY REGURGITATION				ABSENT

**FORM B**

[See Rules 6(2), 6(5) and 8(2)]

**CERTIFICATE OF REGISTRATION**  
(To be issued in duplicate)

In exercise of the powers conferred under Section 19 (1) of the Pre-natal Diagnostic Techniques (Regulation and Prevention of Misuse) Act, 1994 (57 of 1994), **Appropriate Authority, Dist. - Jaipur** I hereby grants registration to the Genetic Counselling Centre\*/Genetic Laboratory\*/Genetic Clinic\*/Ultrasound Clinic\*/Imaging Centre\* named below for purposes of carrying out Genetic Counselling/Pre-natal Diagnostic Procedures\*/Pre-natal Diagnostic Tests/ultrasonography under the aforesaid Act for a period of five years ending on **14/08/2025**

1.

2. This registration is granted subject to the aforesaid Act and Rules thereunder and any contravention thereof shall result in suspension or cancellation of this Certificate of Registration before the expiry of the said period of five years apart from prosecution.

A. Name and address of the Genetic Counselling **Dr.goyal's Path. Lab & Imaging Center, B-Centre\*/ Genetic Laboratory\*/ Genetic 51 Ganesh Nagar Oppsite Janpat Clinic\*/Ultrasound Clinic\*/ Imaging Centre\*. Corner,new Sangareri Road,302019**

B. Pre-natal diagnostic procedures\* approved for(Genetic Clinic).

Non-Invasive

**Ultrasound**

Invasive

C. Pre-natal diagnostic tests\* approved (for Genetic Laboratory): **Biochemical Studies**

D. Any other purpose (please specify)

3. Model and make of equipments being used (any change is to be intimated to the Appropriate Authority under rule 13).

Equipment Name	Model No	Serial No	Manufacturer Name	Machine Type
Wipro GE	Voluson E10	E61906	Wipro GE	New
Wipro GE	Vivid T8	605771WXO	Wipro GE	New
Wipro GE	Voluson E6 BT21	E19168	Wipro GE	New
Siemens	Magnetom Verio 3TMRI	40129	Siemens	New

4. Registration No. allotted **61**

5. Period of validity of earlier Certificate of Registration. **From 15/08/2020 To 14/08/2025**  
(For renewed Certificate of Registration only)

Date: 06.02.2024

Place: Jaipur

Signature, Name and Designation of  
Appropriate Authority with SEAL of Office.

SEAL

DISPLAY ONE COPY OF THIS CERTIFICATE AT A CONSPICUOUS PLACE AT THE PLACE OF BUSINESS

**\*Strike out whichever is not applicable or necessary.**



# Dr. Goyal's

## Path Lab & Imaging Centre

B-51, Ganesh Nagar, Near Metro Pillar No. 109-110, New Sanganer Road, Jaipur.  
Tele : 0141-2293346, 4049787, 9887049787  
Website : www.drgoyalspathlab.com E-mail : drgoyalpiyush@gmail.com



Date :- 07/04/2024 08:57:13

NAME :- Mr. AKHE SINGH

Sex / Age :- Male 49 Yrs 3 Mon 7 Days

Company :- MediWheel

Patient ID :- 122424819

Ref. By Doctor :- BOB

Lab/Hosp :-

Final Authentication : 07/04/2024 12:37:42

### Impression--

1. Normal LV size & contractility
2. No RWMA, LVEF 62 %.
3. Normal cardiac chamber.
4. Normal valve
5. No clot, no vegetation, no pericardial effusion.

(Cardiologist)

\*\*\* End of Report \*\*\*

**FORM B**

[See Rules 6(2), 6(5) and 8(2)]

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 Tele : 0141-2293346, 4049787, 9887049787  
 Website : www.drgoyalspathlab.com E-mail : drgoyalpiyush@gmail.com



Date :- 07/04/2024 08:57:13	Patient ID :- 122424819
<b>NAME :- Mr. AKHE SINGH</b>	Ref. By Doctor:-BOB
Sex / Age :- Male 49 Yrs 3 Mon 7 Days	Lab/Hosp :-
Company :- MediWheel	

Final Authentication : 07/04/2024 12:22:48

BOB PACKAGE ABOVE 40MALE

### USG WHOLE ABDOMEN

**Liver is mildly enlarged in size (~15.3cm). Echo-texture is bright.** No focal space occupying lesion is seen within liver parenchyma. Intra hepatic biliary channels are not dilated. Portal vein diameter is normal.

**Gall bladder** is of normal size. Wall is not thickened. No calculus or mass lesion is seen in gall bladder. Common bile duct is not dilated.

**Pancreas** is of normal size and contour. Echo-pattern is normal. No focal lesion is seen within pancreas.

**Spleen** is of normal size and shape. Echotexture is normal. No focal lesion is seen.

**Kidneys** are normally sited and are of normal size and shape. Cortico-medullary echoes are normal. No focal lesion is seen. Collecting system does not show any dilatation or calculus.

**Urinary bladder** is well distended and showing smooth wall with normal thickness. Urinary bladder does not show any calculus or mass lesion.

Pre void:- 141cc post void:-10cc

**Prostate** is mildly enlarged in size (~32cc) with normal echo-texture and outline. No significant free fluid is seen in peritoneal cavity.

#### IMPRESSION:

- \* Mild hepatomegaly with grade I fatty changes.
- \* Grade I prostatomegaly.

*Needs clinical correlation.*

\*\*\* End of Report \*\*\*

**Dr. Piyush Goyal**  
 M.B.B.S., D.M.R.D.  
 RMC Reg No. 017996

**Dr. Ashish Choudhary**  
 MBBS, MD (Radio Diagnosis)  
 Fetal Medicine Consultant  
 FMF ID - 260517 | RMC No 22430

**Dr. Abhishek Jain**  
 MBBS, DNB, (Radio-Diagnosis)  
 RMC No. 21687

**Dr. Navneet Agarwal**  
 MD, DNB (Radio Diagnosis)  
 RMC No. 33613/14911

Transcript by.  
**Dr. Poorvi Malik**  
 MBBS, MD, DNB (Radio Diagnosis)  
 RMC No. 21505

**FORM B**

[See Rules 6(2), 6(5) and 8(2)]

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# Dr Goyal's Path Lab, Jaipur

Name : AKHE SINGH / F

07 Apr 2024

