

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Mr Dhiraj Goel MRN : 15050000150123 Gender/Age : MALE , 29y (17/11/1993)

Collected On : 11/04/2023 11:23 AM Received On : 11/04/2023 11:41 AM Reported On : 11/04/2023 01:39 PM

Barcode : D72304110101 Specimen : Whole Blood Consultant : Dr. Alex Mathew(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9013362807

**HAEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>COMPLETE BLOOD COUNT (CBC)</b>			
Haemoglobin (Hb%) (Spectrophotometry)	14.6	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	5.08	10 <sup>6</sup> /mm <sup>3</sup>	4.5-6.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	44.1	%	40.0-54.0
MCV (Mean Corpuscular Volume) (Calculated)	87	µm <sup>3</sup>	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	28.8	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	33.2	g/dL	32.0-36.0
Red Cell Distribution Width (RDW) (Calculated)	<b>14.3 H</b>	%	11.5-14.0
Platelet Count (Electrical Impedance)	358	10 <sup>3</sup> /mm <sup>3</sup>	150.0-450.0
Total Leucocyte Count(WBC) (Electrical Impedance)	6.7	10 <sup>3</sup> /mm <sup>3</sup>	4.0-11.0
<b>DIFFERENTIAL COUNT (DC)</b>			
Neutrophils (DHSS)	58.7	%	40.0-80.0
Lymphocytes (DHSS)	34.4	%	20.0-40.0
Monocytes (DHSS)	3.4	%	2.0-10.0
Eosinophils (DHSS)	3.4	%	1.0-6.0
Basophils (DHSS)	0.1	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	3.94	10 <sup>3</sup> /mm <sup>3</sup>	2.0-7.5



Patient Name : Mr Dhiraj Goel MRN : 15050000150123 Gender/Age : MALE , 29y (17/11/1993)

Absolute Lymphocyte Count (Calculated)	2.31	x10 <sup>3</sup> cells/ $\mu$ l	1.0-3.0
Absolute Monocyte Count (Calculated)	0.23	x10 <sup>3</sup> cells/ $\mu$ l	0.2-1.0
Absolute Eosinophil Count (Calculated)	0.23	x10 <sup>3</sup> cells/ $\mu$ l	0.02-0.5
Absolute Basophil Count (Calculated)	<b>0.01 L</b>	x10 <sup>3</sup> cells/ $\mu$ l	0.02-0.1

*As per the recommendation of International Council for Standardization in Hematology, the differential counts are additionally being reported as absolute numbers.*

<b>Erythrocyte Sedimentation Rate (ESR)</b> (Modified Westergren Method)	09	mm/hr	0.0-15.0
---	----	-------	----------

*Prachi*

Dr. Prachi  
 MBBS, MD Pathology  
 MBBS,MD Pathology, JUNIOR CONSULTANT, Reg no DMC - 70512

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>Fasting Blood Sugar (FBS)</b> (GOD/POD)	99.4	mg/dL	74.0-106.0
<b>LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)</b>			
Cholesterol Total (Non LDL Selective Elimination, CHOD/POD)	195.1	mg/dL	<200.0
Triglycerides (LIPASE/GK/GPO/POD)	<b>260.3 H</b>	mg/dL	<150.0
HDL Cholesterol (HDLC) (Colorimetric (Phosphotungstic Acid Method))	<b>37.3 L</b>	mg/dL	40.0-60.0
Non-HDL Cholesterol	<b>157.8 H</b>	mg/dL	<130.0
LDL Cholesterol (Turbidometric /Microtip)	<b>101.22 H</b>	mg/dL	<100.0
VLDL Cholesterol (Calculated)	<b>52.1 H</b>	mg/dL	0.0-40.0



Patient Name : Mr Dhiraj Goel MRN : 15050000150123 Gender/Age : MALE , 29y (17/11/1993)

Cholesterol /HDL Ratio (Calculated) **5.3 H** - <4.5

**THYROID PROFILE (T3, T4, TSH)**

Tri Iodo Thyronine (T3) (ECLIA/ ELFA)	2.26	nmol/L	1.49-2.6
Thyroxine (T4) (ECLIA/ ELFA)	107	nmol/L	71.2-141.0
TSH (Thyroid Stimulating Hormone) (Electrochemiluminescence (ECLIA))	3.09	uIU/ml	0.465-4.68

**LIVER FUNCTION TEST(LFT)**

Bilirubin Total (Azobilirubin Dyphylline)	0.48	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Dual Wavelength Reflectance)	0.09	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Calculated)	0.39	mg/dL	0.1-1.0
Total Protein (Biuret Method)	<b>8.34 H</b>	gm/dL	6.3-8.2
Serum Albumin (Bromcresol Green (BCG))	4.87	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.46	gm/dL	2.3-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.41	-	0.9-2.0
SGOT (AST) (P - Phosphate)	41.4	U/L	17.0-59.0
SGPT (ALT) (P - Phosphate)	43.5	U/L	<50.0
Alkaline Phosphatase (ALP) (PNPP With Amp Buffer)	74.2	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (GCNA)	30.8	U/L	15.0-73.0

--End of Report--

Patient Name : Mr Dhiraj Goel MRN : 15050000150123 Gender/Age : MALE , 29y (17/11/1993)



Dr. Amit Samadhiya  
MBBS, MD Biochemistry  
JUNIOR CONSULTANT, MBBS, MD Biochemistry, DMC - 14287

**Note**

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.





**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Mr Dhiraj Goel MRN : 15050000150123 Gender/Age : MALE , 29y (17/11/1993)  
 Collected On : 11/04/2023 11:23 AM Received On : 11/04/2023 11:43 AM Reported On : 11/04/2023 05:22 PM  
 Barcode : D62304110145 Specimen : Whole Blood Consultant : Dr. Alex Mathew(GENERAL MEDICINE)  
 Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9013362807

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>HBA1C</b>			
HbA1c (Enzymatic Method)	5.4	%	Normal: 4.0-5.6 Pre Diabetes: 5.7-6.4 Diabetes: => 6.5 ADA Recommendation 2017
Estimated Average Glucose	108.28	-	-

**Interpretation:**

- HbA1C above 6.5% can be used to diagnose diabetes provided the patient has symptoms. If the patient does not have symptoms with HbA1C>6.5%, repeat measurement on further sample. If the repeat test result is <6.5%, consider as diabetes high risk and repeat measurement after 6 months.
- HbA1C measurement is not appropriate in diagnosing diabetes in children, suspicion of type 1 diabetes, symptoms of diabetes for less than 2 months, pregnancy, hemoglobinopathies, medications that may result sudden increase in glucose, anemia, renal failure, HIV infection, malignancies, severe chronic hepatic, and renal disease.
- Any sample with >15% should be suspected of having a haemoglobin variant.

**Interpretation Notes**

- 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. Target goals of < 7.0 % may be beneficial in patients. Please co-relate with Blood Sugar Fasting.

**RENAL PACKAGE - 2 (RFT FASTING)**

Fasting Blood Sugar (FBS) (GOD/POD)	94.5	mg/dL	74.0-106.0
Blood Urea Nitrogen (BUN) (Urease, UV)	7.6 L	mg/dL	9.0-20.0

**SERUM CREATININE**

Serum Creatinine (Enzymatic Two Point Rate - Creatinine Amidohydrolase)	0.68	mg/dL	0.66-1.25
eGFR (Calculated)	137.9	mL/min/1.73m <sup>2</sup>	Indicative of renal impairment < 60 Note:eGFR is inaccurate for Hemodynamically unstable patients eGFR is not applicable for less than 18 years of age.





Patient Name : Mr Dhiraj Goel MRN : 15050000150123 Gender/Age : MALE , 29y (17/11/1993)			
Serum Sodium (ISE Direct)	140.3	mmol/L	137.0-145.0
Serum Potassium (ISE Direct)	4.05	mmol/L	3.5-5.1
Serum Chloride (ISE Direct)	104.0	mmol/L	98.0-107.0
Serum Bicarbonate Level (Phosphoenolpyruvate Carboxylase /Mdh Enzymatic End Piont Assay)	22.7	mmol/L	22.0-30.0
Serum Calcium (Arsezano III Dye Binding Method)	9.39	mg/dL	8.4-10.2
Serum Magnesium (Formazan Dye)	2.11	mg/dL	1.6-2.3
Serum Uric Acid (Colorimetric - Uricase,Peroxidase)	6.47	mg/dL	3.5-8.5
Serum Phosphorus (Phosphomolybdate Reduction)	3.75	mg/dL	2.5-4.5

Dr. Amit Samadhiya  
MBBS, MD Biochemistry  
JUNIOR CONSULTANT, MBBS, MD Biochemistry, DMC - 14287

**BLOOD BANK LAB**

Test	Result	Unit
<b>BLOOD GROUP &amp; RH TYPING</b>		
Blood Group	"B"	-
RH Typing	Positive	-

Dr. Manoj Rawat  
Consultant & HOD, Blood Bank Center  
Consultant & HOD Blood Center, DMC - 38026

Patient Name : Mr Dhiraj Goel MRN : 15050000150123 Gender/Age : MALE , 29y (17/11/1993)

Test	CLINICAL PATHOLOGY		
	Result	Unit	Biological Reference Interval
<b>URINE ROUTINE &amp; MICROSCOPY</b>			
<b>PHYSICAL EXAMINATION</b>			
Colour	Pale Yellow	-	-
Appearance	Clear	-	-
<b>CHEMICAL EXAMINATION</b>			
pH(Reaction) (Double Indicator Method)	6.5	-	4.8-7.5
Sp. Gravity (PKa Change Ionic Concentration Method)	1.015	-	1.002-1.030
Protein (Protein Error Method)	Nil	-	Nil
Urine Glucose (GOD/POD)	Nil	-	Nil
Ketone Bodies	Nil	-	-
Blood Urine (Pseudo Peroxidase Method)	Nil	-	-
<b>MICROSCOPIC EXAMINATION</b>			
Pus Cells	1-2	/hpf	1-2
RBC	Nil	/hpf	0 - 3
Epithelial Cells	Nil	/hpf	2-3

--End of Report--

*Prachi*

Dr. Prachi  
 MBBS, MD Pathology  
 MBBS,MD Pathology, JUNIOR CONSULTANT, Reg no DMC - 70512





Patient Name : Mr Dhiraj Goel MRN : 15050000150123 Gender/Age : MALE , 29y (17/11/1993)

**Note**

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.







## Transthoracic Echo color Doppler Report

<b>Patient's Name</b>	Mr. Dhiraj Goel	<b>Age/Sex</b>	29Years/Male
<b>Ref By:</b>	Dr. Alex Mathew	<b>Date:</b>	11/04/2023
<b>MRN No.</b>	15050000150123	<b>PVT/MRD/IPD</b>	Mediwheel full body Health Check Up

### Final Interpretation

1. Normal sized cardiac chamber dimensions.
2. No Regional wall motion abnormality, LVEF = 55-60%.
3. MIP - Normal
4. LVEDP – Normal
5. Normal RV systolic function. TAPSE - 2.7cm.
6. Trace MR, No AR, Trace PR, Trace TR (PASP - 20mmHg).
7. No clot/vegetation/pericardial effusion.
8. IVC normal with >50% collapsibility with respiration.
9. No coarctation of aorta.

### Morphology :-

- ❖ Left Ventricle: It is normal sized.
- ❖ Left Atrium: It is normal sized.
- ❖ Right Atrium: It is normal sized.
- ❖ Right Ventricle: It is normal sized. RV systolic function is normal.
- ❖ Aortic Valve: Aortic valve appears tricuspid & cusps are normal.
- ❖ Mitral Valve: open normally, Subvalvular apparatus appears normal.
- ❖ Tricuspid valve: It appears normal.
- ❖ Pulmonic Valve: It appears normal.
- ❖ Main Pulmonary artery & its branches: Appear normal.
- ❖ Pericardium: There is no pericardial effusion.

### DOPPLER/COLOUR FLOW

<u>VALVE</u>	<u>MAX. VELOCITY cm/sec</u>	<u>PG/MG mmHg</u>	<u>REGURGITATION</u>
MITRAL	E- 79cm/sec, A- 51cm/sec		Trace MR
AORTIC	100		No AR
TRICUSPID	193	(PASP – 20mmHg)	Trace TR
PULMONARY	82		Trace PR

Contd.....





**M MODE & 2D Measurements**

	Observed values	Normal values
Aortic root diameter	29	20-34(mm)
Left atrium size	36	19-40(mm)
Left Ventricular Size diastole	50	ED 37-56(mm)
Left Ventricular Size systole	33	ES 22-40 (mm)
Inter ventricular Septum diastole	09	ED 6-10(mm)
Posterior Wall thickness diastole	08	ED 6-10(mm)
End Diastolic Volume	123	
End Systolic Volume	45	
LV Ejection Fraction (%)	55-60%	55%-75%

**2D EXAMINATION DESCRIPTION**

2D and M Mode examination done in multiple views revealed fair movement of both mitral leaflets. Aortic valve has three cusps & cusps are normal. Tricuspid valve leaflets move normally. Pulmonary valve is normal. Ascending Aorta is normal. Interatrial septum and interventricular septum are intact.

Dimension of left atrium and left ventricle are normal. No regional wall motion abnormality seen. Global LVEF is 55-60%. No intracardiac mass or thrombus seen.

**Dr. Anand Kumar Pandey**  
Director & Senior Consultant  
Interventional Cardiology

**Dr. Amrendra Kumar Pandey**  
Consultant Cardiology

  
**Dr. Sejal Gupta**  
Consultant Cardiologist

**Dr. Rakesh Bachloo**  
Consultant - Cardiology

**Note:- This is a professional opinion based on imaging finding and not the diagnosis. Not valid for medico-legal purposes. In case of any discrepancy due to machine error or typing error, please get it rectified immediately.**





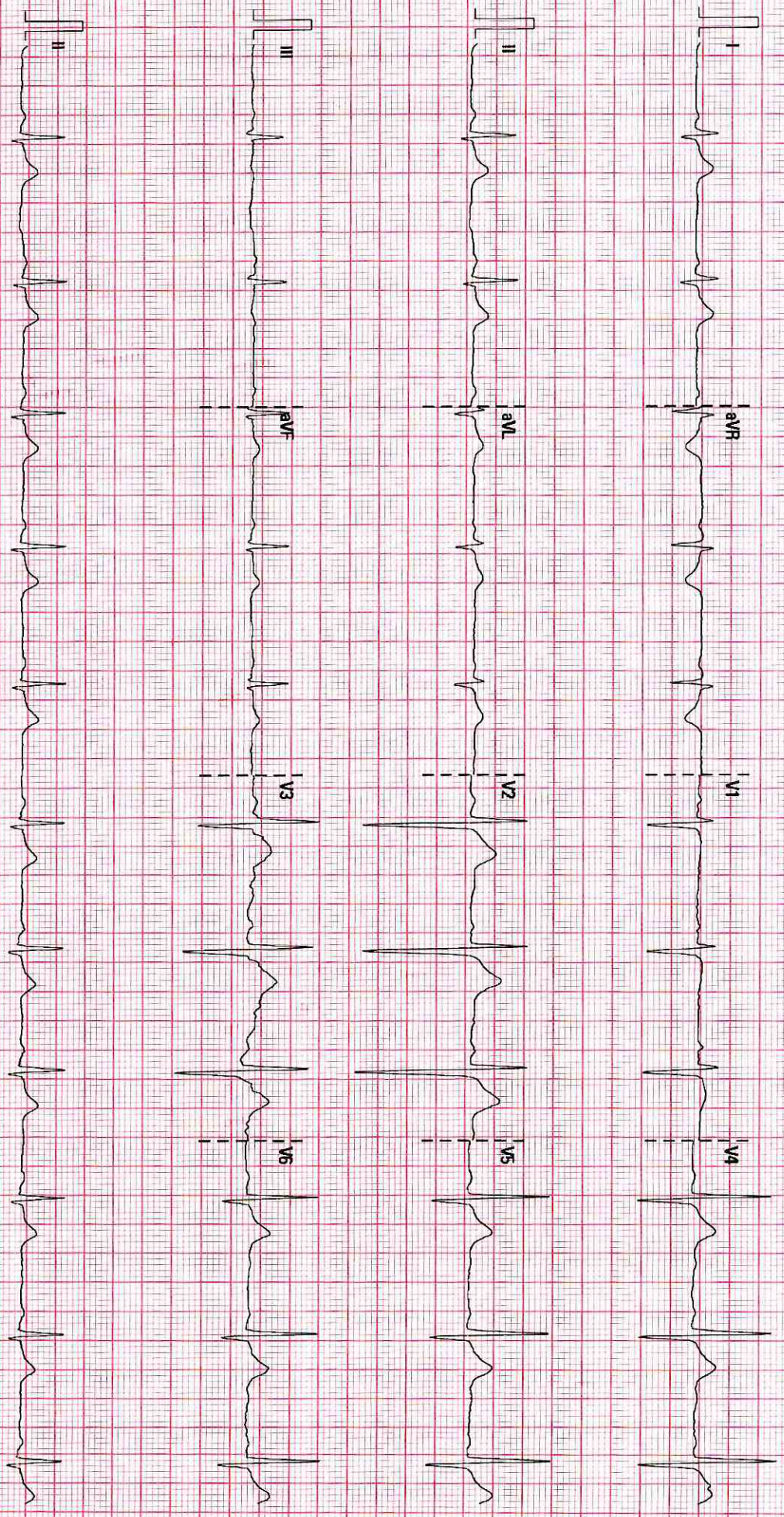
ID: 15050000150123  
Name: DHIRAJ GOEL  
Age: 29 Years  
Gender: Male

2023-04-11 12:01:34

Vent. Rate	66 bpm
PR Interval	150 ms
QRS Duration	94 ms
QT/QTc Interval	389/391 ms
P/QRS/T Axes	48/77/26 deg

Sinus rhythm  
Normal ECG

Unconfirmed Diagnosis



25 mm/s 10 mm/mV 50 Hz BOR 35 Hz

02:07:00 V28:4:1 SN FN:9101:5601





<b>Patient Name</b>	Dhiraj Goel	<b>Requested By</b>	Dr. Alex Mathew
<b>MRN</b>	15050000150123	<b>Procedure DateTime</b>	2023-04-11 13:50:28
<b>Age/Sex</b>	29Y 4M/Male	<b>Hospital</b>	NH-Dharamshila

Inv. No.: 10098

**X-RAY CHEST (PA)**

- Lung fields are clear.
- Costophrenic angles are clear.
- Both domes of diaphragm are normal.
- Mediastinum and both hila are within normal limits.
- Cardiac size is normal.
- Bones under review are unremarkable.

**Impression:** Normal Study.

**Dr. (Col.) Vikas Rastogi**  
MBBS, MD  
SR. CONSULTANT RADIOLOGIST  
DML 89340







Patient Name	Dhiraj Goel	Requested By	Dr. Alex Mathew
MRN	15050000150123	Procedure DateTime	2023-04-11 15:24:54
Age/Sex	29Y 4M/Male	Hospital	NH-Dharamshila

**Investigation No.4168**

**ULTRASONOGRAPHY WHOLE ABDOMEN**

**Liver :** Shows grade II fatty change. Normal sized intrahepatic biliary and vascular channels are seen. No focal lesion. The common bile duct and portal vein are normal.

**Gall bladder :** Normal in size with normal wall thickness and contents.

**The pancreas :** The pancreas shows normal contour, echogenicity and size.

**The spleen :** is normal in size, contour and echopattern.

**The right kidney :** The right kidney has a normal contour & echopattern in the cortex, medulla and pelvicalyceal system. It measures 10.4 x 4.5 cm.

**The left kidney :** The left kidney has a normal contour & echopattern in the cortex, medulla and pelvicalyceal system. It measures 10.7 x 5.2 cm.

Urinary bladder is normal in wall & contents.

Prostate is normal in size, shape and parenchymal echopattern. It measures 10 gms.

No ascites seen.

**Impression :**

- Grade II fatty liver.

**Dr. HARMEET KAUR**  
MBBS MD (Radiodiagnosis)  
CONSULTANT RADIOLOGIST  
DMC - 63518

