

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mrinali Poonia MRN : 15050000144981 Gender/Age : FEMALE , 37y (08/02/1986)

Collected On : 14/02/2023 09:58 AM Received On : 14/02/2023 10:10 AM Reported On : 14/02/2023 04:10 PM

Barcode : D72302140087 Specimen : Whole Blood Consultant : Dr. Alex Mathew(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7838252300

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (Enzymatic Method)	5.2	%	Normal: 4.0-5.6 Pre Diabetes: 5.7-6.4 Diabetes: => 6.5 ADA Recommendation 2017
Estimated Average Glucose	102.54	-	-

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)	97.0	mg/dL	74.0-106.0
Blood Urea Nitrogen (BUN) (Urease, UV)	12.4	mg/dL	7.0-17.0

SERUM CREATININE

Serum Creatinine (Enzymatic Two Point Rate - Creatinine Amidohydrolase)	0.63	mg/dL	0.5-1.04
eGFR (Calculated)	106.4	mL/min/1.73m ²	Indicative of renal impairment < 60 Note:eGFR is inaccurate for Hemodynamically unstable patients eGFR is not applicable for less than 18 years of age.

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Dharamshila Narayana Superspeciality Hospital

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Hospital Address: Vasundhara Enclave, Near New Ashok Nagar Metro Station, Delhi 110 096

Tel +91 11 6904-5555 | www.narayanahealth.org | info.dnsh@narayanahealth.org

Appointments

1800-309-0309

Emergencies

73700-73700

Patient Name : Mrinali Poonia MRN : 15050000144981 Gender/Age : FEMALE , 37y (08/02/1986)

Serum Sodium (ISE Direct)	139.4	mmol/L	137.0-145.0
Serum Potassium (ISE Direct)	4.85	mmol/L	3.5-5.1
Serum Chloride (ISE Direct)	102.7	mmol/L	98.0-107.0
Serum Bicarbonate Level (Phosphoenolpyruvate Carboxylase /Mdh Enzymatic End Piont Assay)	22.5	mmol/L	22.0-30.0
Serum Calcium (Arsezano III Dye Binding Method)	9.65	mg/dL	8.4-10.2
Serum Magnesium (Formazan Dye)	1.81	mg/dL	1.6-2.3
Serum Uric Acid (Colorimetric - Uricase,Peroxidase)	4.52	mg/dL	3.5-8.5
Serum Phosphorus (Phosphomolybdate Reduction)	3.87	mg/dL	2.5-4.5



Dr. Amit Samadhiya
 MBBS, MD Biochemistry
 Junior Consultant

BLOOD BANK LAB

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group	"AB"	-
RH Typing	Positive	-



Dr. Manoj Rawat
 Consultant & HOD, Blood Bank Center
 Consultant & HOD, Blood Bank Center

Patient Name : Mrinali Poonia MRN : 15050000144981 Gender/Age : FEMALE , 37y (08/02/1986)

CLINICAL PATHOLOGY

Test	Result	Unit
Urine For Sugar (Fasting)	Negative	-
Urine For Sugar (Post Prandial)	Negative	-

Prachi

Dr. Prachi
 MBBS, MD Pathology
 Junior Consultant

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Spectrophotometry)	12.6	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.80	10 ⁶ /mm ³	4.5-6.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	39.0	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Calculated)	81 L	μm ³	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	26.3 L	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.3	g/dL	32.0-36.0
Red Cell Distribution Width (RDW) (Calculated)	14.8 H	%	11.5-14.0
Platelet Count (Electrical Impedance)	366	10 ³ /mm ³	150.0-450.0
Total Leucocyte Count(WBC) (Electrical Impedance)	6.8	10 ³ /mm ³	4.0-11.0

DIFFERENTIAL COUNT (DC)

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Neutrophils (DHSS)	65.3	%	40.0-80.0
Lymphocytes (DHSS)	29.1	%	20.0-40.0
Monocytes (DHSS)	3.0	%	2.0-10.0
Eosinophils (DHSS)	2.4	%	1.0-6.0
Basophils (DHSS)	0.2	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	4.45	$10^3/mm^3$	2.0-7.5
Absolute Lymphocyte Count (Calculated)	1.98	$\times 10^3 cells/\mu l$	1.0-3.0
Absolute Monocyte Count (Calculated)	0.21	$\times 10^3 cells/\mu l$	0.2-1.0
Absolute Eosinophil Count (Calculated)	0.17	$\times 10^3 cells/\mu l$	0.02-0.5
Absolute Basophil Count (Calculated)	0.02	$\times 10^3 cells/\mu l$	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.

Shailja

Dr. Shailja Bhatnagar
MBBS, DNB
Clinical Associate

HAEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Modified Westergren Method)	28 H	mm/hr	0.0-20.0

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Prachi

Dr. Prachi
MBBS, MD Pathology
Junior Consultant

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (GOD/POD)	97	mg/dL	74.0-106.0
Post Prandial Blood Sugar (PPBS) (Enzyme Method (GOD POD))	111	mg/dL	100.0-140.0
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Non LDL Selective Elimination, CHOD/POD)	191.3	mg/dL	<200.0
Triglycerides (LIPASE/GK/GPO/POD)	91.3	mg/dL	<150.0
HDL Cholesterol (HDLC) (Colorimetric (Phosphotungstic Acid Method))	57.7	mg/dL	40.0-60.0
Non-HDL Cholesterol	133.61 H	mg/dL	<130.0
LDL Cholesterol (Turbidometric /Microtip)	115.86 H	mg/dL	<100.0
VLDL Cholesterol (Calculated)	18.3	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	3.4	-	<4.5
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (ECLIA/ ELFA)	2.09	nmol/L	1.49-2.6
Thyroxine (T4) (ECLIA/ ELFA)	121	nmol/L	71.2-141.0
TSH (Thyroid Stimulating Hormone) (Electrochemiluminescence (ECLIA))	3.13	uIU/ml	0.465-4.68
LIVER FUNCTION TEST(LFT)			

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Bilirubin Total (Azobilirubin Dyphylline)	0.56	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Dual Wavelength Reflectance)	0.20	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Calculated)	0.35	mg/dL	0.1-1.0
Total Protein (Biuret Method)	8.29 H	gm/dL	6.3-8.2
Serum Albumin (Bromcresol Green (BCG))	4.54	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.75 H	gm/dL	2.3-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.21	-	0.9-2.0
SGOT (AST) (P - Phosphate)	21.0	U/L	14.0-36.0
SGPT (ALT) (P - Phosphate)	17.6	U/L	<35.0
Alkaline Phosphatase (ALP) (PNPP With Amp Buffer)	88.2	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (GCNA)	30.0	U/L	12.0-43.0

--End of Report--



Dr. Amit Samadhiya
 MBBS, MD Biochemistry
 Junior Consultant

Note

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



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Patient Name	Mrinali Poonia	Requested By	Dr. Alex Mathew
MRN	15050000144981	Procedure DateTime	2023-02-14 13:12:56
Age/Sex	37Y/Female	Hospital	NH-Dharamshila

Inv. No.: 3952

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	Mrinali Poonia	Requested By	Dr. Alex Mathew
MRN	15050000144981	Procedure DateTime	2023-02-14 11:32:50
Age/Sex	37Y/Female	Hospital	NH-Dharamshila

Investigation No. 1204

ULTRASONOGRAPHY WHOLE ABDOMEN

Liver : is enlarged in size (16.4 cm) and shows minimal 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 11.0 x 3.6cm.

The left kidney : The left kidney has a normal contour & echopattern in the cortex, medulla and pelvicalyceal system. It measures 10.3 x 4.5 cm.

Urinary bladder is normal in wall & contents.

Uterus is mildly retroverted and appears normal in size.

Endometrial stripe is normal, It measures 1.3 cm.

Both the ovaries are normal in size and echopattern.

Left Ovary vol : 4.7 cc, Right Ovary vol : 8.5 cc.

Adnexa are clear.

No ascites seen.

Impression :

- **Mild hepatomegaly with minimal fatty change.**



Dr. SHAILENDRA KR. BHARDWAJ
MBBS, DNB (Radiodiagnosis)
CONSULTANT RADIOLOGIST



Transthoracic Echo color Doppler Report

Patient's Name	Mrinali Poonia	Age/Sex	37Years/Female
Ref By:	Dr. Alex Mathew	Date:	14/02/2023
MRN No.	15050000144981	PVT/MRD/IPD	EHP Mediwheel full body Health Check Up

Status:- Sub optimal ECHO window

Final Interpretation

1. Normal sized cardiac chamber dimensions.
2. No Regional wall motion abnormality, LVEF = 55%.
3. MIP - Normal
4. LVEDP – Normal
5. Normal RV systolic function. TAPSE - 1.8cm.
6. Trace MR, No AR, No PR, Trace TR (PASP - 20mmHg).
7. No clot/vegetation/pericardial effusion.
8. IVC <10mm 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.

DOPLER/COLOUR FLOW

VALVE	MAX. VELOCITY cm/sec	PG/MG mmHg	REGURGITATION
MITRAL	E- 109cm/sec, A- 81cm/sec		Trace MR
AORTIC	115		No AR
TRICUSPID	195	(PASP – 20mmHg)	Trace TR
PULMONARY	68		No PR

Contd.....

M MODE & 2D Measurements

	Observed values	Normal values
Aortic root diameter	32	20-34(mm)
Left atrium size	27	19-40(mm)
Left Ventricular Size diastole	38	ED 37-56(mm)
Left Ventricular Size systole	26	ES 22-40 (mm)
Inter ventricular Septum diastole	10	ED 6-10(mm)
Posterior Wall thickness diastole	09	ED 6-10(mm)
End Diastolic Volume	62	
End Systolic Volume	24	
LV Ejection Fraction (%)	55%	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%. No intracardiac mass or thrombus seen.

Dr. Anand Pandey

Sr. Consultant & Head Cardiologist



Dr. Sejal Gupta
Consultant Cardiologist

Dr. Amrendra Pandey

Consultant Cardiology

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.