Dr. Goyal's
Path Lab & Imaging Centre

B-51, Ganesh Nagar, Opp. Janpath Corner, New Sanganer Road, Jaipur
Tele: 0141-2293346, 4049787, 9887049787
Website : www.drgoyalspathlab.com | E-mail : drgoyalpiyush@gmail.com

General Physical Examination

Date of Examination: 28/02/2023

Name: Mrs. GOPALI MEENA Age: 50 Sex: female

DOB: 31/07/1972

Referred By: BOB

Photo ID: Pen Card ID #: Attached

Ht: 145 (cm) Wt: 55 (Kg)

Chest (Expiration): 86 (cm) Abdomen Circumference: 87 (cm)

Blood Pressure: 113 / 82 mm Hg PR: 80 / min RR: 18 / min Temp: Afebrile

BMI 26.2

Eye Examination: Dis vission 6/6, Near vision N/6 with Specs, No color blindness

Other: Not Significant

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

Signature Of Examine : ---------- **Name of Examinee:** ----------

Signature Medical Examiner : ---------- **Name Medical Examiner** ----------

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

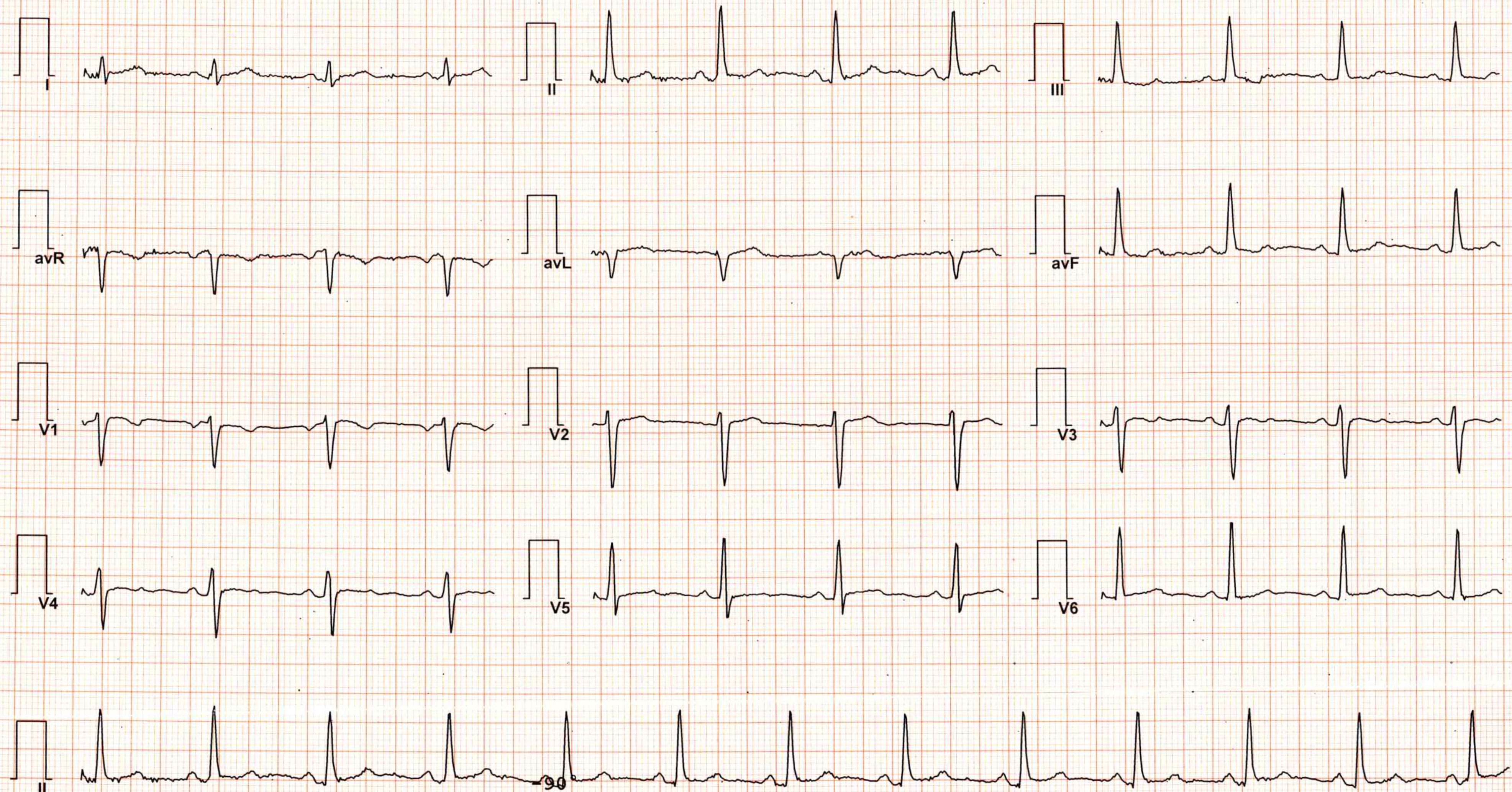
Dr Piyush Goyal
M.B.B.S., M.D. M.R.D
RMC Reg No -017996

DR. GOYALS PATH LAB & IMAGING CENTER

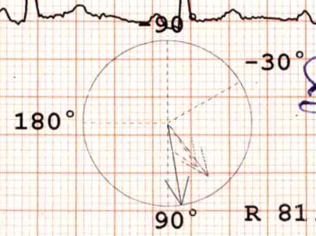
ECG

102221737 / MRS GOPALI MEENA / 50 Yrs / F/ Non Smoker

Heart Rate : 76 bpm / Tested On : 28-Feb-23 12:21:53 / HF 0.05 Hz - LF 100 Hz / Notch 50 Hz / Sn 1.00 Cm/mV / Sw 25 mm/s
/ Refd By.: BOB



Vent Rate : 76 bpm
PR Interval : 148 ms
QRS Duration: 84 ms
QT/QTc Int : 370/398 ms
P-QRS-T axis: 57.00• 81.00• 53.00•



Axis

R 81.00° T 53.00° P 57.00°

Sinus rhythm with Poor r Progression & T inversion in lead V1 V4

Reported By:

Dr Naresh Kumar Mohanka
D.E.M. (RCGP-UK)

Allengers ECG (Pisces)(PIS218210312)

RHQ

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Date :- 28/02/2023 08:27:18	Patient ID :-122229734
NAME :- Mrs. GOPALI MEENA	Ref. By Doctor:-BOB
Sex / Age :- Female 50 Yrs 7 Mon	Lab/Hosp :-
Company :- MediWheel	

Final Authentication : 28/02/2023 10:47:24

BOB PACKAGEFEMALE ABOVE 40

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)

*** End of Report ***

AHSAN

Transcript by.

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RMC No. 32495

Dr. Ashish Choudhary
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Fetal Medicine Consultant
FMF ID - 260517 | RMC No 22430

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Final Authentication : 28/02/2023 12:42:51

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

2D-ECHOCARDIOGRAPHY M.MODE WITH DOPPLER STUDY:

_FAIR TRANSTHORACIC ECHOCARIDIOGRAPHIC WINDOW MORPHOLOGY:

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

M.MODE EXAMITATION:

AO	26	mm	LA	35	Mm	IVS-D	8	mm
IVS-S	15	mm	LVID	44	Mm	LVSD	27	mm
LVPW-D	10	mm	LVPW-S	16	Mm	RV		mm
RVWT		mm	EDV		Ml	LVVS		ml
LVEF	68%		RWMA		ABSENT			

CHAMBERS:

LA	NORMAL	RA	NORMAL
LV	NORMAL	RV	NORMAL
PERICARDIUM		NORMAL	

COLOUR DOPPLER:

MITRAL VALVE					
E VELOCITY	0.75	m/sec	PEAK GRADIENT		Mm/hg
A VELOCITY	0.87	m/sec	MEAN GRADIENT		Mm/hg
MVA BY PHT		Cm2	MVA BY PLANIMETRY		Cm2
MITRAL REGURGITATION			ABSENT		

AORTIC VALVE					
PEAK VELOCITY	1.63	m/sec	PEAK GRADIENT		mm/hg
AR VMAX		m/sec	MEAN GRADIENT		mm/hg
AORTIC REGURGITATION			ABSENT		

TRICUSPID VALVE					
PEAK VELOCITY	0.53	m/sec	PEAK GRADIENT		mm/hg
MEAN VELOCITY		m/sec	MEAN GRADIENT		mm/hg
VMax VELOCITY					
TRICUSPID REGURGITATION			ABSENT		

PULMONARY VALVE					
PEAK VELOCITY	0.90	M/sec.	PEAK GRADIENT		Mm/hg
MEAN VALOCITY			MEAN GRADIENT		Mm/hg
PULMONARY REGURGITATION			ABSENT		

TABBSUM

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Impression--

1. **Normal LV size & contractility**
2. **No RWMA, LVEF 68%.**
3. **Normal cardiac chamber.**
4. **Normal valve**
5. **No clot, no vegetation, no pericardial effusion. (Cardiologist)**

*** End of Report ***

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BOB PACKAGEFEMALE ABOVE 40

ULTRA SOUND SCAN OF ABDOMEN

Liver is of normal size. Echo-texture is normal. 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.

Uterus is anteverted and normal in size and measures 69 x 27 x 47 mm.
Myometrium shows normal echo - pattern. No focal space occupying lesion is seen.
Endometrial echo is normal.

Both ovaries are visualised and are normal. No adnexal mass is seen.
No enlarged nodes are visualised. No retro-peritoneal lesion is identified.
No significant free fluid is seen in pouch of douglas.

IMPRESSION:
*** Normal Study.**
Needs clinical correlation & further evaluation

BILAL

Transcript by.

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ULTRASONOGRAPHY REPORT : BREAST AND AXILLA

Right breast:

Skin , subcutaneous tissue and retroareolar region is normal

Fibro glandular tissue shows normal architecture and echotexture.

Pre and retro mammary regions are unremarkable .

A well defined small anechoic cyst without septation & calcification of size~6.4 x4.4 mm is seen in SMQ.

Axillary lymph nodes are not significantly enlarged and their hilar shadows are preserved.

Left breast:

Skin , subcutaneous tissue and retroareolar region is normal

Fibro glandular tissue shows normal architecture and echotexture.

Pre and retro mammary regions are unremarkable .

Few subcentimetric sized cysts are seen in SMQ.

No obvious cyst, mass or architectural distortion visualized.

Axillary lymph nodes are not significantly enlarged and their hilar shadows are preserved.

IMPRESSION :

**** Bilateral simple breast cysts.***

*** End of Report ***

BILAL

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NAME :- Mrs. GOPALI MEENA
Sex / Age :- Female 50 Yrs 7 Mon
Company :- MediWheel

Patient ID :-122229734
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- EDTA
Sample Collected Time28/02/2023 09:05:17
Final Authentication : 28/02/2023 11:19:28

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
BOB PACKAGEFEMALE ABOVE 40			
HAEMOGARAM			
HAEMOGLOBIN (Hb)	12.0	g/dL	12.0 - 15.0
TOTAL LEUCOCYTE COUNT	9.10	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHIL	74.5	%	40.0 - 80.0
LYMPHOCYTE	**12.1** L	%	20.0 - 40.0
EOSINOPHIL	4.7	%	1.0 - 6.0
MONOCYTE	8.2	%	2.0 - 10.0
BASOPHIL	0.5	%	0.0 - 2.0
NEUT#	6.78	10^3/uL	1.50 - 7.00
LYMPH#	1.21	10^3/uL	1.00 - 3.70
EO#	0.40	10^3/uL	0.00 - 0.40
MONO#	0.42	10^3/uL	0.00 - 0.70
BASO#	0.05	10^3/uL	0.00 - 0.10
TOTAL RED BLOOD CELL COUNT (RBC)	**3.44** L	x10^6/uL	3.80 - 4.80
HEMATOCRIT (HCT)	36.30	%	36.00 - 46.00
MEAN CORP VOLUME (MCV)	**105.6** H	fL	83.0 - 101.0
MEAN CORP HB (MCH)	**34.9** H	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	33.0	g/dL	31.5 - 34.5
PLATELET COUNT	190	x10^3/uL	150 - 410
RDW-CV	14.0	%	11.6 - 14.0
MENTZER INDEX	30.70		

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.

The Sample Processed at Dr Goyal's Path Lab & Imaging Centre

AJAYSINGH

Technologist

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

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Sample Type :- EDTA
Sample Collected Time28/02/2023 09:05:17
Final Authentication : 28/02/2023 11:19:28

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
Erythrocyte Sedimentation Rate (ESR)	**24** H	mm/hr.	00 - 20

(ESR) Methodology : Measurment of ESR by cells aggregation.
Instrument Name : Indepedent form Hematocrit value by Automated Analyzer (Roller-20)
Interpretation : ESR test is a non-specific indicator ofinflammatory disease and abnormal protein states.
The test in used to detect, follow course of a certain disease (e.g-tuberculosis, rheumatic fever, myocardial infarction
Levels are higher in pregnency due to hyperfibrinogenaemia.
The "3-figure ESR " x>100 value nearly always indicates serious disease such as a serious infection, malignant paraproteinaemia or connective tissue diseasa.

(CBC); Methodology : TLC,DLC Fluorescent Flow cytometry, HB SLS method,TRBC,PCV,PLT Hydrodynamically focused Impedance. and **MCH,MCV,MCHC,MENTZER INDEX** are calculated. **InstrumentName: S**ysmex 6 part fully automatic analyzer XN-L,Japan

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Company :- MediWheel

Patient ID :-122229734
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- EDTA, KOx/Na FLUORIDE-F, KOx/Na FLUORIDE-PP Sample Collected Time 28/02/2023 09:05:17

Final Authentication : 28/02/2023 15:01:36

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
BLOOD GROUP ABO	"B" POSITIVE		

BLOOD GROUP ABO Methodology : Haemagglutination reaction **Kit Name :** Monoclonal agglutinating antibodies **(Span clone)**.

FASTING BLOOD SUGAR (Plasma) Methord:- GOD PAP	93.5	mg/dl	75.0 - 115.0

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) Methord:- GOD PAP	114.7	mg/dl	70.0 - 140.0

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 .

The Sample Processed at Dr Goyal's Path Lab & Imaging Centre

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Dr. Chandrika Gupta

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Lab/Hosp :-

Sample Type :- PLAIN/SERUM
Sample Collected Time28/02/2023 09:05:17
Final Authentication : 28/02/2023 10:35:00

BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
LIPID PROFILE			
TOTAL CHOLESTEROL Methord:- Enzymatic Endpoint Method	165.04	mg/dl	Desirable <200 Borderline 200-239 High> 240
TRIGLYCERIDES Methord:- GPO-PAP	58.81	mg/dl	Normal <150 Borderline high 150-199 High 200-499 Very high >500
DIRECT HDL CHOLESTEROL Methord:- Direct clearance Method	44.54	mg/dl	Low < 40 High > 60
DIRECT LDL CHOLESTEROL Methord:- Direct clearance Method	110.70	mg/dl	Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189 Very High > 190
VLDL CHOLESTEROL Methord:- Calculated	11.76	mg/dl	0.00 - 80.00
T.CHOLESTEROL/HDL CHOLESTEROL RATIO Methord:- Calculated	3.71		0.00 - 4.90
LDL / HDL CHOLESTEROL RATIO Methord:- Calculated	2.49		0.00 - 3.50
TOTAL LIPID Methord:- CALCULATED	450.89	mg/dl	400.00 - 1000.00

TOTAL CHOLESTEROL InstrumentName:Randox Rx Imola **Interpretation**: Cholesterol measurements are used in the diagnosis and treatments of lipid lipoprotein metabolism disorders.

TRIGLYCERIDES InstrumentName:Randox Rx Imola **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.

DIRECT HDLCHOLESTERO InstrumentName:Randox Rx Imola **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.

DIRECT LDL-CHOLESTEROLInstrumentName:Randox Rx Imola **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.

TOTAL LIPID AND VLDL ARE CALCULATED

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SURENDRAKHANGA

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Sample Collected Time28/02/2023 09:05:17
Final Authentication : 28/02/2023 10:35:00

BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
LIVER PROFILE WITH GGT			
SERUM BILIRUBIN (TOTAL) Methord:- Colorimetric method	0.42	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) Methord:- Colorimetric Method	0.26	mg/dL	Adult - Up to 0.25 Newborn - <0.6 mg/dL >- 1 month - <0.2 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	0.16	mg/dl	0.30-0.70
SGOT Methord:- IFCC	30.8	U/L	Men- Up to - 37.0 Women - Up to - 31.0
SGPT Methord:- IFCC	23.6	U/L	Men- Up to - 40.0 Women - Up to - 31.0
SERUM ALKALINE PHOSPHATASE Methord:- AMP Buffer	45.60	IU/L	30.00 - 120.00
SERUM GAMMA GT Methord:- IFCC	16.40	U/L	7.00 - 32.00
SERUM TOTAL PROTEIN Methord:- Biuret Reagent	7.30	g/dl	6.40 - 8.30
SERUM ALBUMIN Methord:- Bromocresol Green	4.21	g/dl	3.80 - 5.00
SERUM GLOBULIN Methord:- CALCULATION	3.09	gm/dl	2.20 - 3.50
A/G RATIO	1.36		1.30 - 2.50

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 hepatobilary 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 areseen 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)

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SURENDRAKHANGA

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Company :- MediWheel

Patient ID :-122229734
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- PLAIN/SERUM
Sample Collected Time28/02/2023 09:05:17
Final Authentication : 28/02/2023 10:35:00

BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
SERUM CREATININE Methord:- Colorimetric Method	0.79	mg/dl	Men - 0.6-1.30 Women - 0.5-1.20
SERUM URIC ACID Methord:- Enzymatic colorimetric	4.16	mg/dl	Men - 3.4-7.0 Women - 2.4-5.7

The Sample Processed at Dr Goyal's Path Lab & Imaging Centre

SURENDRAKHANGA

Dr. Chandrika Gupta
MBBS.MD (Path)
RMC NO. 21021/008037

Dr. Goyal's
Path Lab & Imaging Centre

B-51, Ganesh Nagar, Opp. Janpath Corner, New Sanganer Road, Jaipur
Tele: 0141-2293346, 4049787, 9887049787
Website : www.drgoyalspathlab.com | E-mail : drgoyalpiyush@gmail.com

Date :- 28/02/2023 08:27:18
NAME :- Mrs. GOPALI MEENA
Sex / Age :- Female 50 Yrs 7 Mon
Company :- MediWheel

Patient ID :-122229734
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- PLAIN/SERUM
Sample Collected Time28/02/2023 09:05:17
Final Authentication : 28/02/2023 10:35:00

BIOCHEMISTRY

Test Name	Value	Unit	Biological Ref Interval
BLOOD UREA NITROGEN (BUN)	10.2	mg/dl	0.0 - 23.0

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Date :- 28/02/2023 08:27:18
NAME :- Mrs. GOPALI MEENA
Sex / Age :- Female 50 Yrs 7 Mon
Company :- MediWheel

Patient ID :-122229734
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- EDTA
Sample Collected Time28/02/2023 09:05:17
Final Authentication : 28/02/2023 11:19:28

HAEMATOLOGY

Test Name	Value	Unit	Biological Ref Interval
GLYCOSYLATED HEMOGLOBIN (HbA1C) Methord:- HPLC	5.7	%	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 overthe 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 plasmaglucose concentration in GHb depends on the time interval, with more recent values providing a larger contribution than earlier values. The interpretation of GHbdepends 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 measureof the risk for the development of complications in patients with diabetes mellitus. The absolute risk of retinopathy and nephropathy are directly proportional to themean of HbA1C.Genetic variants (e.g. HbS trait, HbC trait), elevated HbF and chemically modified derivatives of hemoglobin can affect the accuracy of HbA1cmeasurements. The effects vary depending on the specific Hb vatiant or derivative and the specific HbA1c method.
Ref by ADA 2020

MEAN PLASMA GLUCOSE Methord:- Calculated Parameter	117	mg/dL	Non Diabetic < 100 mg/dL Prediabetic 100- 125 mg/dL Diabetic 126 mg/dL or Higher

The Sample Processed at Dr Goyal's Path Lab & Imaging Centre

AJAYSINGH

Technologist

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

Dr. Goyal's
Path Lab & Imaging Centre

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Date :- 28/02/2023 08:27:18
NAME :- Mrs. GOPALI MEENA
Sex / Age :- Female 50 Yrs 7 Mon
Company :- MediWheel

Patient ID :-122229734
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- PLAIN/SERUM
Sample Collected Time28/02/2023 09:05:17
Final Authentication : 28/02/2023 11:44:59

IMMUNOASSAY

Test Name	Value	Unit	Biological Ref Interval
TOTAL THYROID PROFILE			
SERUM TOTAL T3 Methord:- Chemiluminescence(Competitive immunoassay)	1.326	ng/ml	0.970 - 1.690
SERUM TOTAL T4 Methord:- Chemiluminescence(Competitive immunoassay)	7.984	ug/dl	5.500 - 11.000
SERUM TSH ULTRA Methord:- Enhanced Chemiluminescence Immunoassay	2.520	µIU/mL	0.500 - 6.880

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 TT4 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

The Sample Processed at Dr Goyal's Path Lab & Imaging Centre

AJAYKUMAR

Technologist

Dr. Chandrika Gupta
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Date :- 28/02/2023 08:27:18
NAME :- Mrs. GOPALI MEENA
Sex / Age :- Female 50 Yrs 7 Mon
Company :- MediWheel

Patient ID :-122229734
Ref. By Dr:- BOB
Lab/Hosp :-

Sample Type :- SWAB
Sample Collected Time28/02/2023 09:05:17
Final Authentication : 28/02/2023 12:53:52

PAP SMEAR

PAP SMEAR FOR CYTOLOGY EXAMINATION

Microscopic & diagnosis,

Smears show predominantly superficial & intermediate squamous epithelial cells along with few parabasal cells in the background of mild acute inflammation.

No endocervical cells seen.
No atypical or malignant cells seen.

IMPRESSION :Negative for intraepithelial lesion.

Note: Please note papanicolaou smear study is a screening procedure for cervical cancer with inherent false negative result, hence should be interpreted with caution.

Slides will be kept for one month only.

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

The Sample Processed at Dr Goyal's Path Lab & Imaging Centre

SITAGURJAR

Technologist

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