

LABORATORY REPORT

TEST	RESULT	UNITS	REFERENCE
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Collection Date/ Time : 23/09/2023 20:41

THYROID PROFILE, Serum

Specimen Type : Serum

T3 - Triiodothyronine (ECLIA)	0.83	ng/ml	[0.80-2.04]
T4 - Thyroxine (ECLIA)	7.76	µg/dl	[5.50-11.00]
Thyroid Stimulating Hormone (ECLIA)	2.200	µIU/mL	[0.340-4.250]
1st Trimester:	0.6 - 3.4	micIU/mL	
2nd Trimester:	0.37 - 3.6	micIU/mL	
3rd Trimester:	0.38 - 4.04	micIU/mL	

Note : TSH levels are subject to circadian variation, reaching peak levels between 2-4.a.m.and at a minimum between 6-10 pm.Factors such as change of seasons hormonal fluctuations,Ca or Fe supplements,high fibre diet,stress and illness affect TSH results.

* References ranges recommended by the American Thyroid Association:

- 1) Thyroid. 2011 Oct;21(10):1081-125.PMID .21787128
- 2) <http://www.thyroid-info.com/articles/tsh-fluctuating.html>

Collection Date/ Time : 23/09/2023 11:12

Blood Group & Rh Typing (Agglutination by gel/tube technique) Specimen-Blood

Blood Group & Rh typing **A Rh(D) Positive**

Technical note:

ABO grouping and Rh typing is done by cell and serum grouping by microplate / gel technique.

Collection Date/ Time : 23/09/2023 13:35

ROUTINE URINE ANALYSIS (Semi Automated) Specimen-Urine

MACROSCOPIC DESCRIPTION

Colour	PALE YELLOW	(Pale Yellow - Yellow)
Appearance	SLIGHTLY TURBID	
Reaction[pH]	5.0	(4.6-8.0)
Specific Gravity	1.005	(1.003-1.035)

CHEMICAL EXAMINATION

Protein/Albumin	+	(NEGATIVE)
Glucose	NIL	(NIL)
Ketone Bodies	Negative	(NEGATIVE)
Urobilinogen	Normal	(NORMAL)

MICROSCOPIC EXAMINATION (Automated/Manual)

Pus Cells	8-10 /hpf	(0-5/hpf)
RBC	1-2 /hpf	(0-2/hpf)
Epithelial Cells	6-8 /hpf	
CASTS	NIL	
Crystals	NIL	
Bacteria	NIL	
OTHERS	NIL	

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Glycosylated Hemoglobin

Specimen: EDTA
HbA1c (Glycosylated Hemoglobin) 5.3 % [0.0-5.6]
Method: HPLC

As per American Diabetes Association (ADA)
HbA1c in %
Non diabetic adults >= 18years <5.7
Prediabetes (At Risk) 5.7-6.4
Diagnosing Diabetes >= 6.5

Estimated Average Glucose (eAG) 105 mg/dl

Comments : 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.



LABORATORY REPORT

Name : MRS JYOTI Age : 37 Yr(s) Sex :Female
 Registration No : MH011329958 Lab No : 202309005127
 Patient Episode : H18000001207 Collection Date : 23 Sep 2023 11:12
 Referred By : HEALTH CHECK MGD Reporting Date : 23 Sep 2023 15:07
 Receiving Date : 23 Sep 2023 11:12

HAEMATOLOGY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
COMPLETE BLOOD COUNT (AUTOMATED)		SPECIMEN-EDTA Whole Blood	
RBC COUNT (IMPEDENCE)	4.58	millions/cumm	[3.80-4.80]
HEMOGLOBIN	11.8 #	g/dl	[12.0-15.0]
Method:cyanide free SLS-colorimetry			
HEMATOCRIT (CALCULATED)	38.3	%	[36.0-46.0]
MCV (DERIVED)	83.6	fL	[83.0-101.0]
MCH (CALCULATED)	25.8	pg	[25.0-32.0]
MCHC (CALCULATED)	30.8 #	g/dl	[31.5-34.5]
RDW CV% (DERIVED)	14.2 #	%	[11.6-14.0]
Platelet count	185	x 10 ³ cells/cumm	[150-410]
Method: Electrical Impedance			
MPV (DERIVED)	13.3		
WBC COUNT (TC) (IMPEDENCE)	5.57	x 10 ³ cells/cumm	[4.00-10.00]
DIFFERENTIAL COUNT (VCS TECHNOLOGY/MICROSCOPY)			
Neutrophils	56.0	%	[40.0-80.0]
Lymphocytes	35.0	%	[20.0-40.0]
Monocytes	5.0	%	[2.0-10.0]
Eosinophils	4.0	%	[1.0-6.0]
Basophils	0.0	%	[0.0-2.0]
ESR	50.0 #	mm/1sthour	[0.

Name : MRS JYOTI
 Registration No : MH011329958
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 Referred By : HEALTH CHECK MGD
 Receiving Date : 23 Sep 2023 11:12

Age : 37 Yr(s) Sex :Female.
 Lab No : 202309005127
 Collection Date : 23 Sep 2023 11:12
 Reporting Date : 23 Sep 2023 15:45

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
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rum LIPID PROFILE

Serum TOTAL CHOLESTEROL Method:Oxidase,esterase, peroxide	204 #	mg/dl	[<200] Moderate risk:200-239 High risk:>240
TRIGLYCERIDES (GPO/POD)	102	mg/dl	[<150] Borderline high:151-199 High: 200 - 499 Very high:>500
HDL- CHOLESTEROL Method : Enzymatic Immunoimhibition	42.0	mg/dl	[35.0-65.0]
VLDL- CHOLESTEROL (Calculated)	20	mg/dl	[0-35]
CHOLESTEROL, LDL, CALCULATED	142.0 #	mg/dl	[<120.0] Near/ Borderline High:130-159 High Risk:160-189
Above optimal-100-129			<4.0 Optimal 4.0-5.0 Borderline >6 High Risk
T.Chol/HDL.Chol ratio(Calculated)	4.9		
LDL.CHOL/HDL.CHOL Ratio(Calculated)	3.4		<3 Optimal 3-4 Borderline >6 High Risk

Note:
 Reference ranges based on ATP III Classifications.

Lipid profile is a panel of blood tests that serves as initial broad medical screening too for abnormalities in lipids, the results of this tests can identify certain genetic diseases and determine approximate risks for cardiovascular disease, certain forms of pancreatitis and other diseases

Name : MRS JYOTI Age : 37 Yr(s) Sex :Female
 Registration No : MH011329958 Lab No : 202309005127
 Patient Episode : H18000001207 Collection Date : 23 Sep 2023 11:12
 Referred By : HEALTH CHECK MGD Reporting Date : 23 Sep 2023 15:44
 Receiving Date : 23 Sep 2023 11:12

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
KIDNEY PROFILE			
Specimen: Serum			
UREA	18.8	mg/dl	[15.0-40.0]
<i>Method: GLDH, Kinatic assay</i>			
BUN, BLOOD UREA NITROGEN	8.8	mg/dl	[8.0-20.0]
<i>Method: Calculated</i>			
CREATININE, SERUM	0.49 #	mg/dl	[0.70-1.20]
<i>Method: Jaffe rate-IDMS Standardization</i>			
URIC ACID	3.5 #	mg/dl	[4.0-8.5]
<i>Method:uricase PAP</i>			
SODIUM, SERUM	136.50	mmol/L	[136.00-144.00]
POTASSIUM, SERUM	4.60	mmol/L	[3.60-5.10]
SERUM CHLORIDE	102.6	mmol/L	[101.0-111.0]
<i>Method: ISE Indirect</i>			
eGFR (calculated)	124.9	ml/min/1.73sq.m	[>60.0]

Technical Note

eGFR which is primarily based on Serum Creatinine is a derivation of CKD-EPI 2009 equation normalized to 1.73 sq.m BSA and is not applicable to individuals below 18 years. eGFR tends to be less accurate when Serum Creatinine estimation is indeterminate e.g. patients at extremes of muscle mass, on unusual diets etc. and samples with severe Hemolysis Icterus / Lipemia.

Name : MRS JYOTI **Age** : 37 Yr(s) Sex :Female
Registration No : MH011329958 **Lab No** : 202309005127
Patient Episode : H18000001207 **Collection Date** : 23 Sep 2023 11:12
Referred By : HEALTH CHECK MGD **Reporting Date** : 23 Sep 2023 15:45
Receiving Date : 23 Sep 2023 11:12

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
LIVER FUNCTION TEST			
BILIRUBIN - TOTAL <i>Method: D P D</i>	0.59	mg/dl	[0.30-1.20]
BILIRUBIN - DIRECT <i>Method: DPD</i>	0.11	mg/dl	[0.00-0.30]
INDIRECT BILIRUBIN (SERUM) <i>Method: Calculation</i>	0.48	mg/dl	[0.10-0.90]
TOTAL PROTEINS (SERUM) <i>Method: BIURET</i>	7.00	gm/dl	[6.60-8.70]
ALBUMIN (SERUM) <i>Method: BCG</i>	4.50	g/dl	[3.50-5.20]
GLOBULINS (SERUM) <i>Method: Calculation</i>	2.50	gm/dl	[1.80-3.40]
PROTEIN SERUM (A-G) RATIO <i>Method: Calculation</i>	1.80		[1.00-2.50]
AST (SGOT) (SERUM) <i>Method: IFCC W/O P5P</i>	14.00	U/L	[0.00-40.00]
ALT (SGPT) (SERUM) <i>Method: IFCC W/O P5P</i>	12.60 #	U/L	[14.00-54.00]
Serum Alkaline Phosphatase <i>Method: AMP BUFFER IFCC)</i>	154.0 #	IU/L	[40.0-98.0]
GGT	48.0	U/L	[7.0-50.0]

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Lab No : 202309005127
Collection Date : 23 Sep 2023 11:12
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BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
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Liver function test aids in diagnosis of various pre hepatic, hepatic and post hepatic causes of dysfunction like hemolytic anemia's, viral and alcoholic hepatitis and cholestasis of obstructive causes.

The test encompasses hepatic excretory, synthetic function and also hepatic parenchymal cell damage. LFT helps in evaluating severity, monitoring therapy and assessing prognosis of liver disease and dysfunction.

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-----END OF REPORT-----



Dr. Alka Dixit Vats
Consultant Pathologist

Name : MRS JYOTI
Registration No : MH011329958
Patient Episode : H18000001207
Referred By : HEALTH CHECK MGD
Receiving Date : 23 Sep 2023 11:12

Age : 37 Yr(s) Sex :Female
Lab No : 202309005128
Collection Date : 23 Sep 2023 11:12
Reporting Date : 23 Sep 2023 15:45

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
GLUCOSE-Fasting Specimen: Plasma GLUCOSE, FASTING (F) Method: Hexokinase	72.0	mg/dl	[70.0-110.0]

Normally, the glucose concentration in extracellular fluid is closely regulated so that a source of energy is readily available to tissues and so that no glucose is excreted in the urine.

Increased in Diabetes mellitus, Cushing's syndrome (10-15%), chronic pancreatitis (30%).
Drugs corticosteroids, phenytoin, estrogen, thiazides

Decreased in Pancreatic islet cell disease with increased insulin, insulinoma, adrenocortical insufficiency, hypopituitarism, diffuse liver disease, malignancy(adrenocortical, stomach, fibro sarcoma), infant of a diabetic mother enzyme deficiency diseases(e.g.galactosemia),
Drugs-
insulin, ethanol, propranolol, sulfonylureas, tobutamide, and other oral hypoglycemic agents.

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-----END OF REPORT-----

Dr. Alka Dixit Vats
Consultant Pathologist

Name : MRS JYOTI
Registration No : MH011329958
Patient Episode : H18000001207
Referred By : HEALTH CHECK MGD
Receiving Date : 23 Sep 2023 15:17

Age : 37 Yr(s) Sex :Female
Lab No : 202309005129
Collection Date : 23 Sep 2023 15:17
Reporting Date : 23 Sep 2023 17:14

BIOCHEMISTRY

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
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PLASMA GLUCOSE


Specimen:Plasma

GLUCOSE, POST PRANDIAL (PP), 2 HOURS	157.0 #	mg/dl	[80.0-140.0]
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Method: Hexokinase

Note:
Conditions which can lead to lower postprandial glucose levels as compared to fasting glucose are excessive insulin release, rapid gastric emptying, brisk glucose absorption , post exercise

-----END OF REPORT-----



Dr. Alka Dixit Vats
Consultant Pathologist

RADIOLOGY REPORT

NAME	MRS JYOTI	STUDY DATE	23/09/2023 1:24PM
AGE / SEX	37 y / F	HOSPITAL NO.	MH011329958
ACCESSION NO.	R6146407	MODALITY	CR
REPORTED ON	23/09/2023 3:43PM	REFERRED BY	HEALTH CHECK MGD

XR- CHEST PA VIEW

FINDINGS:

LUNGS: Normal.
TRACHEA: Normal.
CARINA: Normal.
RIGHT AND LEFT MAIN BRONCHI: Normal.
PLEURA: Normal.
HEART: Normal.
RIGHT HEART BORDER: Normal.
LEFT HEART BORDER: Normal.
PULMONARY BAY: Normal.
PULMONARY HILA: Normal.
AORTA: Normal.
THORACIC SPINE: Normal.
OTHER VISUALIZED BONES: Normal.
VISUALIZED SOFT TISSUES: Normal.
DIAPHRAGM: Normal.
VISUALIZED ABDOMEN: Normal.
VISUALIZED NECK: Normal.

IMPRESSION:

-No significant abnormality seen.

Please correlate clinically



Dr. Prabhat Prakash Gupta MBBS, DNB, MNAMS

CONSULTANT RADIOLOGIST

*****End Of Report*****

MANIPAL HOSPITALS

NH-24, Hapur Road, Near Landcraft Golflinks, Ghaziabad - 201002

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RADIOLOGY REPORT

NAME	MRS JYOTI	STUDY DATE	23/09/2023 12:29PM
AGE / SEX	37 y / F	HOSPITAL NO.	MH011329958
ACCESSION NO.	R6146408	MODALITY	US
REPORTED ON	23/09/2023 1:00PM	REFERRED BY	HEALTH CHECK MGD

**USG ABDOMEN & PELVIS
FINDINGS**

LIVER: Liver is normal in size (measures 141 mm), shape and echotexture. Rest normal.
SPLEEN: Spleen is normal in size (measures 116 mm), shape and echotexture. Rest normal.
PORTAL VEIN: Appears normal in size and measures 10.4 mm.
COMMON BILE DUCT: Appears normal in size and measures 3.4 mm.
IVC, HEPATIC VEINS: Normal.
BILIARY SYSTEM: Normal.
GALL BLADDER: Gall bladder is well distended. Wall thickness is normal and lumen is echofree. Rest normal.
PANCREAS: Pancreas is normal in size, shape and echotexture. Rest normal.
KIDNEYS: Bilateral kidneys are normal in size, shape and echotexture. Cortico-medullary differentiation is maintained. Rest normal.
Right Kidney: measures 98 x 36 mm.
Left Kidney: measures 100 x 37 mm.
PELVI-CALYCEAL SYSTEMS: Compact.
NODES: Not enlarged.
FLUID: Nil significant.
URINARY BLADDER: Urinary bladder is well distended. Wall thickness is normal and lumen is echofree. Rest normal.
UTERUS: Uterus is anteverted, normal in size (measures 62 x 17 x 34 mm), shape and echotexture. Endometrial thickness measures 4 mm. A 2.6 x 3.8mm nabothian cyst is seen cervix, rest normal.
OVARIES: Both ovaries are normal in size, shape and echotexture. Rest normal.
Right ovary measures 33 x 28 x 16 mm with volume 7.9 cc.
Left ovary measures 35 x 33 x 17 mm with volume 10.2 cc.
BOWEL: Visualized bowel loops appear normal.

IMPRESSION

-No significant abnormality noted.

Recommend clinical correlation.



Dr. Prabhat Prakash Gupta MBBS, DNB, MNAMS
CONSULTANT RADIOLOGIST

*****End Of Report*****

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37 years

Female

Asian

Vent. rate 79 bpm
PR interval 142 ms
QRS duration 78 ms
QT/QTc 350/401 ms
P-R-T axes 49 80 34

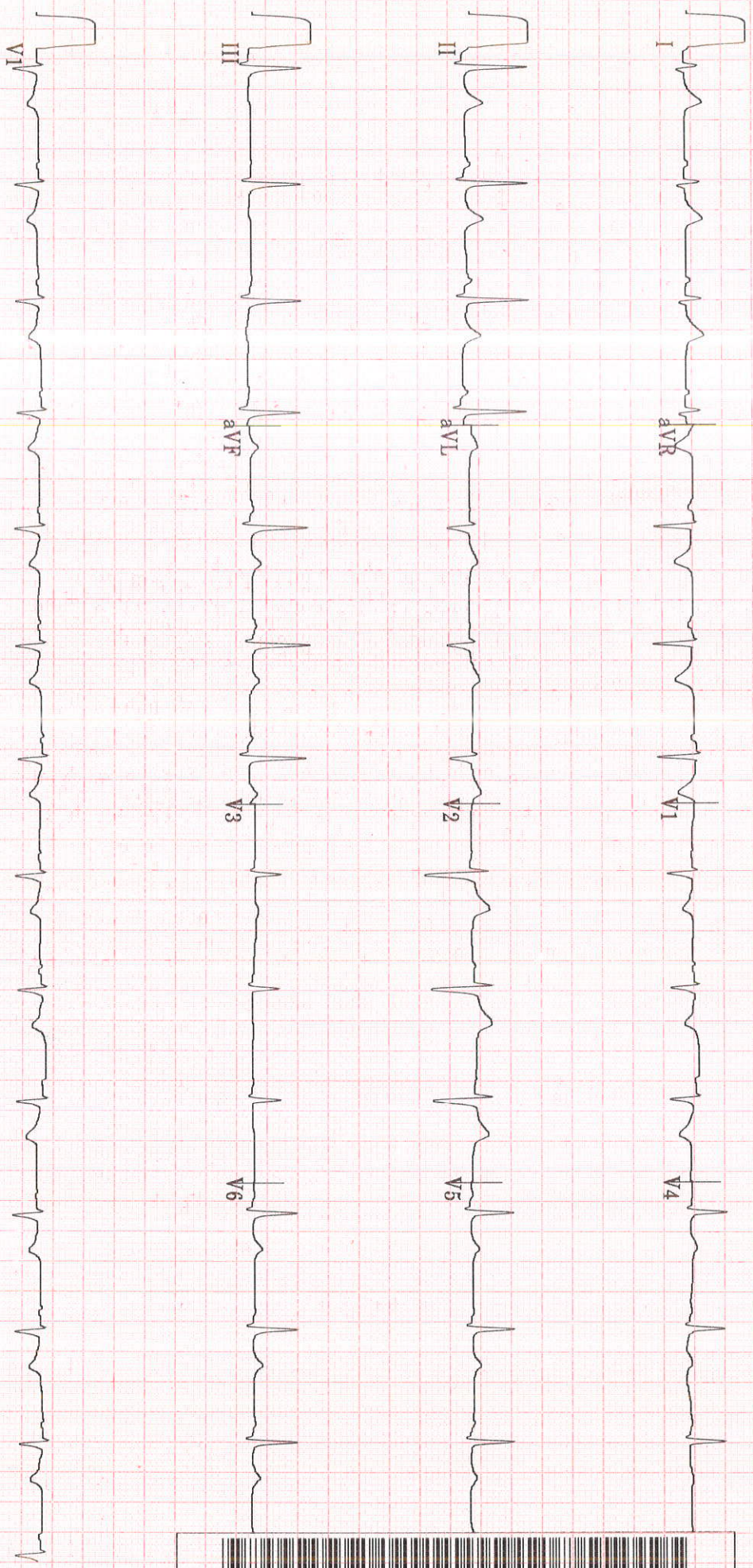
Normal sinus rhythm
Normal ECG

Handwritten signature

Technician:
Test ind:

Referred by: hcp

Unconfirmed



20 Hz 25.0 mm/s 10.0 mm/mV

4 by 2.5s + 1 rhythm 1d

MAC55 009C

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