

Registered Office: Sector-6, Dwarka, New Delhi- 110075

: MRS JYOTI KUMARI 31 Yr(s) Sex: Female Name Age

Registration No : MH011053827 Lab No 31230600335

10 Jun 2023 09:44 **Patient Episode** : H03000054707 **Collection Date:**

Referred By : HEALTH CHECK MHD **Reporting Date:** 10 Jun 2023 11:45

Receiving Date : 10 Jun 2023 10:35

Department of Transfusion Medicine (Blood Bank)

BLOOD GROUPING, RH TYPING & ANTIBODY SCREEN (TYPE & SCREEN) Specimen-Blood

Blood Group & Rh Typing (Agglutinaton by gel/tube technique)

Blood Group & Rh typing O Rh(D) Positive

Antibody Screening (Microtyping in gel cards using reagent red cells)

Final Antibody Screen Result Negative

Technical Note:

ABO grouping and Rh typing is done by cell and serum grouping by microplate / gel technique. Antibody screening is done using a 3 cell panel of reagent red cells coated with Rh, Kell, Duffy, Kidd, Lewis, P, MNS, Lutheran and Xq antigens using gel technique.

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

Dr Himanshu Lamba











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Registered Office: Sector-6, Dwarka, New Delhi-110075

: MRS JYOTI KUMARI 31 Yr(s) Sex: Female Name Age

32230603094 **Registration No** : MH011053827 Lab No

10 Jun 2023 09:43 : H03000054707 **Patient Episode Collection Date:**

Referred By : HEALTH CHECK MHD 10 Jun 2023 13:58 **Reporting Date:**

: 10 Jun 2023 10:08 **Receiving Date**

BIOCHEMISTRY

Specimen: EDTA Whole blood

As per American Diabetes Association (ADA) 2010

HbA1c (Glycosylated Hemoglobin) 4.5 [4.0-6.5]

HbA1c in %

Non diabetic adults : < 5.6 %

Prediabetes (At Risk) : 5.7 % - 6.4 %

Diabetic Range : > 6.5 %

Methodology High-Performance Liquid Chromatography(HPLC)

Estimated Average Glucose (eAG) 82 mg/dl

- 1. Monitoring compliance and long-term blood glucose level control in patients with diabetes.
- 2. Index of diabetic control (direct relationship between poor control and development of complications).
- 3. Predicting development and progression of diabetic microvascular complications.

- 1. AIC values may be falsely elevated or decreased in those with chronic kidney disease.
- 2.False elevations may be due in part to analytical interference from carbamylated hemoglobin formed in the presence of elevated concentrations of urea, with some assays.
- 3. False decreases in measured A1C may occur with hemodialysis and altered red cell turnover, especially in the setting of erythropoietin treatment

References: Rao.L.V., Michael snyder.L. (2021). Wallach's Interpretation of Diagnostic Tests. 11th Edition. Wolterkluwer. NaderRifai, Andrea Rita Horvath, Carl T.wittwer. (2018) Teitz Text book

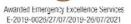
of Clinical Chemistry and Molecular Diagnostics. First edition, Elsevier, South Asia.

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Registered Office: Sector-6, Dwarka, New Delhi-110075

: MRS JYOTI KUMARI 31 Yr(s) Sex: Female Name Age

Registration No MH011053827 Lab No 32230603094

Patient Episode H03000054707 **Collection Date:** 10 Jun 2023 09:43

Referred By : HEALTH CHECK MHD **Reporting Date:** 10 Jun 2023 13:58

Receiving Date : 10 Jun 2023 10:02

BIOCHEMISTRY

Specimen Type : Serum

THYROID PROFILE, Serum

T3 - Triiodothyronine (ECLIA)	1.63	ng/ml	[0.70-2.04]
T4 - Thyroxine (ECLIA)	10.29	μg/dl	[4.60-12.00]
Thyroid Stimulating Hormone (ECLIA)	4.220	uIU/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

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Registered Office: Sector-6, Dwarka, New Delhi- 110075

Name : MRS JYOTI KUMARI Age : 31 Yr(s) Sex :Female

Referred By: HEALTH CHECK MHD Reporting Date: 10 Jun 2023 12:12

Receiving Date : 10 Jun 2023 10:02

BIOCHEMISTRY

Lipid Profile (Serum)

TOTAL CHOLESTEROL	(CHOD/POD)	124	mg/dl	[<200] Moderate risk:200-239 High risk:>240
TRIGLYCERIDES (GPO	/POD)	135	mg/dl	[<150] Borderline high:151-199 High: 200 - 499 Very high:>500
HDL - CHOLESTEROL Methodology: Homog	,	39	mg/dl	[30-60]
VLDL - Cholesterol	_	27	mg/dl	[10-40]
	(CALCULATED) LDL- C	HOLESTEROL	58 mg/dl	<pre>[<100] Near/Above optimal-100-129 Borderline High:130-159 High Risk:160-189</pre>
T.Chol/HDL.Chol ra	tio	3.2		<4.0 Optimal 4.0-5.0 Borderline >6 High Risk
LDL.CHOL/HDL.CHOL	Ratio	1.5		<3 Optimal 3-4 Borderline >6 High Risk

Note:

Reference ranges based on ATP III Classifications.
Recommended to do fasting Lipid Profile after a minimum of 8 hours of overnight fasting.

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Registered Office: Sector-6, Dwarka, New Delhi- 110075

Name : MRS JYOTI KUMARI 31 Yr(s) Sex: Female Age

Registration No MH011053827 Lab No 32230603094

H03000054707 **Patient Episode Collection Date:** 10 Jun 2023 09:43

: HEALTH CHECK MHD 10 Jun 2023 12:40 Referred By **Reporting Date:**

Receiving Date : 10 Jun 2023 10:02

BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Interval
LIVER FUNCTION TEST (Serum)			
BILIRUBIN-TOTAL (mod.J Groff) **	1.02	mg/dl	[0.10-1.20]
BILIRUBIN - DIRECT (mod.J Groff)	0.39 #	mg/dl	[<0.2]
BILIRUBIN - INDIRECT (mod.J Groff)	0.63	mg/dl	[0.20-1.00]
SGOT/ AST (P5P, IFCC)	23.70	IU/L	[5.00-37.00]
SGPT/ ALT (P5P, IFCC)	26.30	IU/L	[10.00-50.00]
ALP (p-NPP, kinetic) *	114 #	IU/L	[37-98]
TOTAL PROTEIN (mod.Biuret)	7.7	g/dl	[6.0-8.2]
SERUM ALBUMIN (BCG-dye)	4.6	g/dl	[3.5-5.0]
SERUM GLOBULIN (Calculated)	3.1	g/dl	[1.8-3.4]
ALB/GLOB (A/G) Ratio	1.48		[1.10-1.80]

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^{**}NEW BORN: Vary according to age (days), body wt & gestation of baby

^{*}New born: 4 times the adult value



Registered Office: Sector-6, Dwarka, New Delhi- 110075

: MRS JYOTI KUMARI 31 Yr(s) Sex: Female Name Age

Registration No MH011053827 Lab No 32230603094

Patient Episode H03000054707 **Collection Date:** 10 Jun 2023 09:43

: HEALTH CHECK MHD Referred By **Reporting Date:** 10 Jun 2023 12:09

Receiving Date : 10 Jun 2023 10:02

BIOCHEMISTRY

Test Name	Result	Unit B	iological Ref. Interval
KIDNEY PROFILE (Serum)			
BUN (Urease/GLDH)	10.00	mg/dl	[8.00-23.00]
SERUM CREATININE (mod.Jaffe)	0.68	mg/dl	[0.60-1.40]
SERUM URIC ACID (mod.Uricase)	4.4	mg/dl	[2.6-6.0]
SERUM CALCIUM (NM-BAPTA)	9.1	mg/dl	[8.6-10.0]
SERUM PHOSPHORUS (Molybdate, UV)	3.4	mg/dl	[2.3-4.7]
SERUM SODIUM (ISE)	140.0	mmol/l	[134.0-145.0]
SERUM POTASSIUM (ISE)	4.57	mmol/l	[3.50-5.20]
SERUM CHLORIDE (ISE / IMT)	106.2 #	mmol/l	[95.0-105.0]
eGFR	116.9	ml/min/1.73sq	[>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.

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Dr. Soma Pradhan







E-2019-0026/27/07/2019-26/07/2021





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Registered Office: Sector-6, Dwarka, New Delhi- 110075

: MRS JYOTI KUMARI 31 Yr(s) Sex: Female Name Age

Registration No : MH011053827 Lab No 32230603095

Patient Episode : H03000054707 **Collection Date:** 10 Jun 2023 14:24

Referred By : HEALTH CHECK MHD **Reporting Date:** 10 Jun 2023 16:42

Receiving Date : 10 Jun 2023 14:57

BIOCHEMISTRY

Specimen Type : Plasma PLASMA GLUCOSE - PP

Plasma GLUCOSE - PP (Hexokinase) mg/dl [70-140]

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

Specimen Type : Serum/Plasma

Plasma GLUCOSE-Fasting (Hexokinase) 91 mg/dl [70-100]

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Registered Office: Sector-6, Dwarka, New Delhi- 110075

Name : MRS JYOTI KUMARI 31 Yr(s) Sex: Female Age

Registration No MH011053827 Lab No 32230603196

Patient Episode H03000054707 **Collection Date:** 10 Jun 2023 14:23

HEALTH CHECK MHD Referred By **Reporting Date:** 10 Jun 2023 16:17

Receiving Date : 10 Jun 2023 14:55

BIOCHEMISTRY

Test Name Result Unit Biological Ref. Interval

PROLACTIN, Serum (ECLIA) 12.2 ng/mL [3.0-24.0]

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Registered Office: Sector-6, Dwarka, New Delhi-110075

: MRS JYOTI KUMARI 31 Yr(s) Sex: Female Name Age

Registration No MH011053827 Lab No 33230601932

Patient Episode H03000054707 **Collection Date:** 10 Jun 2023 09:44

Referred By : HEALTH CHECK MHD **Reporting Date:** 10 Jun 2023 14:53

Receiving Date : 10 Jun 2023 10:08

HAEMATOLOGY

ERYTHROCYTE SEDIMENTATION RATE (Automated) Specimen-Whole Blood

ESR 30.0 # mm/1sthour [0.0-20.0]

Interpretation :

Erythrocyte sedimentation rate (ESR) is a non-specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants (e.g. pyogenic infections, inflammation and malignancies). The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week postpartum.

ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives).

It is especially low (0 -1mm) in polycythemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

Test Name COMPLETE BLOOD COUNT (EDTA Blood)	Result	Unit Bi	ological Ref. Interval
WBC Count (Flow cytometry)	6030	/cu.mm	[4000-10000]
RBC Count (Impedence)	3.48 #	million/cu.mm	[3.80-4.80]
Haemoglobin (SLS Method)	10.9 #	g/dL	[12.0-15.0]
Haematocrit (PCV)	33.1 #	%	[36.0-46.0]
(RBC Pulse Height Detector Method)			
MCV (Calculated)	95.1	fL	[83.0-101.0]
MCH (Calculated)	31.3	pg	[25.0-32.0]
MCHC (Calculated)	32.9	g/dL	[31.5-34.5]
Platelet Count (Impedence)	145000 #	/cu.mm	[150000-410000]
RDW-CV (Calculated)	16.4 #	%	[11.6-14.0]
DIFFERENTIAL COUNT			
Neutrophils (Flowcytometry)	61.6	%	[40.0-80.0]
Lymphocytes (Flowcytometry)	28.9	%	[20.0-40.0]









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Registered Office: Sector-6, Dwarka, New Delhi- 110075

Name : MRS JYOTI KUMARI 31 Yr(s) Sex: Female Age

Registration No MH011053827 Lab No 33230601932

Patient Episode H03000054707 **Collection Date:** 10 Jun 2023 09:44

HEALTH CHECK MHD Referred By **Reporting Date:** 10 Jun 2023 12:42

Receiving Date : 10 Jun 2023 10:08

HAEMATOLOGY

Monocytes (Flowcytometry)	7.5		9	[2.0-10.0]
Eosinophils (Flowcytometry)	1.7		용	[1.0-6.0]
Basophils (Flowcytometry)	0.3 #		8	[1.0-2.0]
IG	0.20		용	
Neutrophil Absolute (Flouroscence fl	ow cytometry)	3.7	/cu mm	$[2.0-7.0] \times 10^{3}$
Lymphocyte Absolute (Flouroscence fl	ow cytometry)	1.7	/cu mm	$[1.0-3.0] \times 10^{3}$
Monocyte Absolute (Flouroscence flow	v cytometry)	0.5	/cu mm	$[0.2-1.2] \times 10^{3}$
Eosinophil Absolute (Flouroscence fl	ow cytometry)	0.1	/cu mm	$[0.0-0.5] \times 10^{3}$
Basophil Absolute (Flouroscence flow	cytometry)	0.0	/cu mm	$[0.0-0.1] \times 10^{3}$

Complete Blood Count is used to evaluate wide range of health disorders, including anemia, infection, and leukemia. Abnormal increase or decrease in cell counts as revealed may indicate that an underlying medical condition that calls for further evaluation.

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Dr. Soma Pradhan











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Registered Office: Sector-6, Dwarka, New Delhi- 110075

Name MRS JYOTI KUMARI 31 Yr(s) Sex: Female Age

Registration No MH011053827 Lab No 38230600584

Patient Episode H03000054707 **Collection Date:** 10 Jun 2023 09:44

HEALTH CHECK MHD 10 Jun 2023 16:20 **Referred By Reporting Date:**

Receiving Date 10 Jun 2023 12:51

CLINICAL PATHOLOGY

Test Name	Result	Biological Ref. Interval
ROUTINE URINE ANALYSIS		
MACROSCOPIC DESCRIPTION		
Colour (Visual)	PALE YELLOW	(Pale Yellow - Yellow)
Appearance (Visual)	TURBID	
CHEMICAL EXAMINATION		
Reaction[pH]	5.0	(5.0-9.0)
(Reflectancephotometry(Indicator Metho	od))	
Specific Gravity	1.010	(1.003-1.035)
(Reflectancephotometry(Indicator Metho	od))	
Bilirubin	Negative	NEGATIVE
Protein/Albumin	Negative	(NEGATIVE-TRACE)
(Reflectance photometry(Indicator Meth	nod)/Manual SSA)	
Glucose	NOT DETECTED	(NEGATIVE)
(Reflectance photometry (GOD-POD/Bened	dict Method))	
Ketone Bodies	NOT DETECTED	(NEGATIVE)
(Reflectance photometry(Legal's Test),	/Manual Rotheras)	
Urobilinogen	NORMAL	(NORMAL)
Reflactance photometry/Diazonium salt	reaction	
Nitrite	NEGATIVE	NEGATIVE
Reflactance photometry/Griess test		
Leukocytes	NIL	NEGATIVE
Reflactance photometry/Action of Ester	rase	
BLOOD	NIL	NEGATIVE
(Reflectance photometry(peroxidase))		
MICROSCOPIC EXAMINATION (Manual) Me	ethod: Light microscopy on	centrifuged urine
WBC/Pus Cells	2-4 /hpf	(4-6)
Red Blood Cells	NIL	(1-2)
Epithelial Cells	20-30 /hpf	(2-4)
Casts	NIL	(NIL)
Crystals	NIL	(NIL)
Bacteria	NIL	

Yeast cells

Interpretation:

NABL Accredited Hospital



PRESENT TRACE



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Awarded Clean & Green Hospital



Registered Office: Sector-6, Dwarka, New Delhi-110075

: MRS JYOTI KUMARI 31 Yr(s) Sex: Female Name Age

38230600584 **Registration No** : MH011053827 Lab No

: H03000054707 **Collection Date: Patient Episode** 10 Jun 2023 09:44

Referred By : HEALTH CHECK MHD **Reporting Date:** 10 Jun 2023 16:20

: 10 Jun 2023 12:51 **Receiving Date**

CLINICAL PATHOLOGY

URINALYSIS-Routine urine analysis assists in screening and diagnosis of various metabolic , urological, kidney and liver disorders

Protein: Elevated proteins can be an early sign of kidney disease. Urinary protein excretion can also be temporarily elevated by strenuous exercise, orthostatic proteinuria, dehydration, urina tract infections and acute illness with fever

Glucose: Uncontrolled diabetes mellitus can lead to presence of glucose in urine.

Other causes include pregnancy, hormonal disturbances, liver disease and certain medications.

Ketones: Uncontrolled diabetes mellitus can lead to presence of ketones in urine.

Ketones can also be seen in starvation, frequent vomiting, pregnancy and strenuous exercise.

Blood: Occult blood can occur in urine as intact erythrocytes or haemoglobin, which can occur in various urological, nephrological and bleeding disorders.

Leukocytes: An increase in leukocytes is an indication of inflammation in urinary tract or kidneys Most Common cause is bacterial urinary tract infection.

Nitrite: Many bacteria give positive results when their number is high. Nitrite concentration duri infection increases with length of time the urine specimen is retained in bladder prior to collection.

pH: The kidneys play an important role in maintaining acid base balance of the body. Conditions of the body producing acidosis/alkalosis or ingestion of certain type of food can affect the pH of urine.

Specific gravity: Specific gravity gives an indication of how concentrated the urine is. Increased Specific gravity is seen in conditions like dehydration, glycosuria and proteinuria while decrease Specific gravity is seen in excessive fluid intake, renal failure and diabetes insipidus.

Bilirubin: In certain liver diseases such as biliary obstruction or hepatitis, bilirubin gets excreted in urine.

Urobilinogen: Positive results are seen in liver diseases like hepatitis and cirrhosis and in case of hemolytic anemia.

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Dr. Soma Pradhan









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NAME	MRS Jyoti KUMARI	STUDY DATE	10/06/2023 11:13AM
AGE / SEX	31 y / F	HOSPITAL NO.	MH011053827
ACCESSION NO.	R5653632	MODALITY	US
REPORTED ON	10/06/2023 2:29PM	REFERRED BY	Health Check MHD

USG WHOLE ABDOMEN

Results:

Liver is normal in size (14.0 cm) and echopattern. No focal intra-hepatic lesion is detected. Intra-hepatic biliary radicals are not dilated. Portal vein is normal in calibre.

Gall bladder is not visualized (post operative status).

Common bile duct is normal in calibre.

Pancreas is normal in size and echopattern.

Spleen is enlarged in size (~ 14 cm) and normal in echopattern.

Both kidneys are normal in position, size and outline. Cortico-medullary differentiation of both kidneys is maintained. Central sinus echoes are compact. No focal lesion or calculus seen. Bilateral pelvicalyceal systems are not dilated.

Urinary bladder is normal in wall thickness with clear contents. No significant intra or extraluminal mass is seen.

Uterus is anteverted. It is normal in size. Myometrial echogenicity appears uniform. Endometrium is central (4.8 mm).

Both ovaries are normal in size and echopattern.

No significant free fluid is detected.

IMPRESSION: Splenomegaly.

Kindly correlate clinically

Dr. Abhinav Pratap Singh MBBS, DNB DMC No.58170

ASSOCIATE CONSULTANT

NAME	MRS Jyoti KUMARI	STUDY DATE	10/06/2023 11:13AM
AGE / SEX	31 y / F	HOSPITAL NO.	MH011053827
ACCESSION NO.	R5653632	MODALITY	US
REPORTED ON	10/06/2023 2:29PM	REFERRED BY	Health Check MHD

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

NAME	MRS Jyoti KUMARI	STUDY DATE	10/06/2023 2:43PM
AGE / SEX	31 y / F	HOSPITAL NO.	MH011053827
ACCESSION NO.	R5653633	MODALITY	CR
REPORTED ON	10/06/2023 3:30PM	REFERRED BY	Health Check MHD

X-RAY CHEST - PA VIEW

Findings:

Visualized lung fields appear clear.

Both hilar shadows appear normal.

Cardiothoracic ratio is within normal limits.

Both hemidiaphragmatic outlines appear normal.

Both costophrenic angles are clear.

Kindly correlate clinically

Dr. Nipun Gumber MBBS, MD DMC No.90272

ASSOCIATE CONSULTANT

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