

Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 31240400933
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 10:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 12:16
Receiving Date : 20 Apr 2024 10:30

Department of Transfusion Medicine (Blood Bank)

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

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

Blood Group & Rh typing B 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 Xg antigens using gel technique.

Page 1 of 4

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



Dr Himanshu Lamba

Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 32240410298
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 10:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 11:42
Receiving Date : 20 Apr 2024 10:23

BIOCHEMISTRY

Specimen: EDTA Whole blood

HbA1c (Glycosylated Hemoglobin)

5.3 %

As per American Diabetes Association (ADA) 2010
[4.0-6.5]

HbA1c in %

Non diabetic adults : < 5.7 %

Prediabetes (At Risk) : 5.7 % - 6.4 %

Diabetic Range : > 6.5 %

Estimated Average Glucose (eAG)

105

mg/dl

Use :

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.

Limitations :

1. A1C 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.

Page 2 of 4

Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 32240410298
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 10:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 12:45
Receiving Date : 20 Apr 2024 10:29

BIOCHEMISTRY

Lipid Profile (Serum)

TOTAL CHOLESTEROL (CHOD/POD)	176	mg/dl	[<200] Moderate risk:200-239 High risk:>240
TRIGLYCERIDES (GPO/POD)	156 #	mg/dl	[<150] Borderline high:151-199 High: 200 - 499 Very high:>500
HDL - CHOLESTEROL (Direct) Methodology: Homogenous Enzymatic	46	mg/dl	[30-60]
VLDL - Cholesterol (Calculated)	31	mg/dl	[10-40]
(CALCULATED) LDL- CHOLESTEROL	99	mg/dl	[<100] Near/Above optimal-100-129 Borderline High:130-159 High Risk:160-189
T.Chol/HDL.Chol ratio	3.8		<4.0 Optimal 4.0-5.0 Borderline >6 High Risk
LDL.CHOL/HDL.CHOL Ratio	2.1		<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.

Technical Notes:
Lipid profile is a panel of blood tests that serves as initial broad medical screening tool for abnormalities in lipids, the results of these tests can identify certain genetic

Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

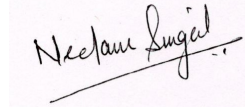
Name	: MRS DOLLY	Age	: 32 Yr(s) Sex :Female
Registration No	: MH013303414	Lab No	: 32240410298
Patient Episode	: H03000062491	Collection Date	: 20 Apr 2024 10:05
Referred By	: HEALTH CHECK MHD	Reporting Date	: 20 Apr 2024 12:45
Receiving Date	: 20 Apr 2024 10:29		

BIOCHEMISTRY

diseases and determine approximate risks for cardiovascular disease, certain forms of pancreatitis and other diseases.

Page 4 of 4

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



Dr. Neelam Singal
CONSULTANT BIOCHEMISTRY

Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 32240410298
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 10:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 12:53
Receiving Date : 20 Apr 2024 10:29

BIOCHEMISTRY

THYROID PROFILE, Serum

Specimen Type : Serum

T3 - Triiodothyronine (ECLIA)	1.330	ng/ml	[0.800-2.040]
T4 - Thyroxine (ECLIA)	8.960	µg/dl	[5.500-11.000]
Thyroid Stimulating Hormone (ECLIA)	3.420	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>

Page 1 of 8



Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 32240410298
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 10:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 12:46
Receiving Date : 20 Apr 2024 10:29

BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Interval
LIVER FUNCTION TEST (Serum)			
BILIRUBIN-TOTAL (Diazonium Ion)	0.45	mg/dl	[0.10-1.20]
BILIRUBIN - DIRECT (Diazotization)	0.18	mg/dl	[0.00-0.30]
BILIRUBIN - INDIRECT (Calculated)	0.27	mg/dl	[0.20-1.00]
SGOT/ AST (UV without P5P)	21	U/L	[10-35]
SGPT/ ALT (UV without P5P)	8	U/L	[0-33]
ALP (p-NPP,kinetic)*	81	U/L	[37-98]
TOTAL PROTEIN (Biuret)	6.5 #	g/dl	[7.0-9.0]
SERUM ALBUMIN (BCG-dye)	4.0	g/dl	[3.5-5.2]
SERUM GLOBULIN (Calculated)	2.5	g/dl	[1.8-3.4]
ALB/GLOB (A/G) Ratio(Calculated)	1.60		[1.10-1.80]

Technical Notes:

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.

Page 2 of 8



Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 32240410298
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 10:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 12:42
Receiving Date : 20 Apr 2024 10:29

BIOCHEMISTRY

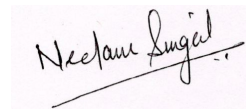
Test Name	Result	Unit	Biological Ref. Interval
KIDNEY PROFILE (Serum)			
BUN (Urease/GLDH)	10.00	mg/dl	[6.00-20.00]
SERUM CREATININE (Jaffe's method)	0.70	mg/dl	[0.60-1.40]
SERUM URIC ACID (Uricase)	5.6	mg/dl	[2.6-6.0]
SERUM CALCIUM (NM-BAPTA)	8.78	mg/dl	[8.00-10.50]
SERUM PHOSPHORUS (Molybdate, UV)	3.6	mg/dl	[2.5-4.5]
SERUM SODIUM (ISE)	143.0	mmol/l	[134.0-145.0]
SERUM POTASSIUM (ISE)	4.41	mmol/l	[3.50-5.20]
SERUM CHLORIDE (ISE Indirect)	110.2 #	mmol/L	[95.0-105.0]
eGFR	115.0	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.

Page 3 of 8

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



Dr. Neelam Singal
CONSULTANT BIOCHEMISTRY

Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 32240410299
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 13:22
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 16:10
Receiving Date : 20 Apr 2024 14:06

BIOCHEMISTRY

Specimen Type : Plasma

PLASMA GLUCOSE - PP

Plasma GLUCOSE - PP (Hexokinase) 117 mg/dl [70-140]

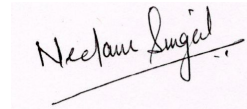
Note : Conditions which can lead to lower postprandial glucose levels as compared to fasting glucose are excessive insulin release, rapid gastric emptying, brisk glucose absorption , post exercise

Specimen Type : Plasma

Plasma GLUCOSE-Fasting (Hexokinase) 89 mg/dl [74-106]

Page 4 of 8

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



Dr. Neelam Singal
CONSULTANT BIOCHEMISTRY

Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 33240406327
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 10:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 12:17
Receiving Date : 20 Apr 2024 10:26

HAEMATOLOGY

ERYTHROCYTE SEDIMENTATION RATE (Automated) Specimen-Whole Blood

ESR 17.0 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	Result	Unit	Biological Ref. Interval
COMPLETE BLOOD COUNT (EDTA Blood)			
WBC Count (Flow cytometry)	4960	/cu.mm	[4000-10000]
RBC Count (Impedence)	3.75 #	million/cu.mm	[3.80-4.80]
Haemoglobin (SLS Method)	11.2 #	g/dL	[12.0-15.0]
Haematocrit (PCV) (RBC Pulse Height Detector Method)	35.1 #	%	[36.0-46.0]
MCV (Calculated)	93.6	fL	[83.0-101.0]
MCH (Calculated)	29.9	pg	[25.0-32.0]
MCHC (Calculated)	31.9	g/dL	[31.5-34.5]
Platelet Count (Impedence)	210000	/cu.mm	[150000-410000]
RDW-CV (Calculated)	14.4 #	%	[11.6-14.0]
DIFFERENTIAL COUNT			
Neutrophils (Flowcytometry)	62.7	%	[40.0-80.0]
Lymphocytes (Flowcytometry)	28.8	%	[20.0-40.0]

Page 5 of 8

Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 33240406327
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 10:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 11:49
Receiving Date : 20 Apr 2024 10:26

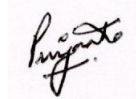
HAEMATOLOGY

Monocytes (Flowcytometry)	7.1	%	[2.0-10.0]
Eosinophils (Flowcytometry)	1.2	%	[1.0-6.0]
Basophils (Flowcytometry)	0.2 #	%	[1.0-2.0]
IG	0.00	%	
Neutrophil Absolute(Flourescence flow cytometry)	3.1	/cu mm	[2.0-7.0]x10 ³
Lymphocyte Absolute(Flourescence flow cytometry)	1.4	/cu mm	[1.0-3.0]x10 ³
Monocyte Absolute(Flourescence flow cytometry)	0.4	/cu mm	[0.2-1.2]x10 ³
Eosinophil Absolute(Flourescence flow cytometry)	0.1	/cu mm	[0.0-0.5]x10 ³
Basophil Absolute(Flourescence flow cytometry)	0.0	/cu mm	[0.0-0.1]x10 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.

Page 6 of 8

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



Dr. Priyanka Bhatia
CONSULTANT PATHOLOGY

Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 38240402167
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 13:22
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 19:34
Receiving Date : 20 Apr 2024 14:10

CLINICAL PATHOLOGY

Test Name	Result	Biological Ref. Interval
ROUTINE URINE ANALYSIS		
MACROSCOPIC DESCRIPTION		
Colour (Visual)	PALE YELLOW	(Pale Yellow - Yellow)
Appearance (Visual)	CLEAR	
CHEMICAL EXAMINATION		
Reaction[pH] (Reflectancephotometry (Indicator Method))	6.0	(5.0-9.0)
Specific Gravity (Reflectancephotometry (Indicator Method))	1.005	(1.003-1.035)
Bilirubin	Negative	NEGATIVE
Protein/Albumin (Reflectance photometry (Indicator Method)/Manual SSA)	Negative	(NEGATIVE-TRACE)
Glucose (Reflectance photometry (GOD-POD/Benedict Method))	NOT DETECTED	(NEGATIVE)
Ketone Bodies (Reflectance photometry (Legal's Test)/Manual Rotheras)	NOT DETECTED	(NEGATIVE)
Urobilinogen Reflectance photometry/Diazonium salt reaction	NORMAL	(NORMAL)
Nitrite Reflectance photometry/Griess test	NEGATIVE	NEGATIVE
Leukocytes Reflectance photometry/Action of Esterase	NIL	NEGATIVE
BLOOD (Reflectance photometry (peroxidase))	NIL	NEGATIVE
MICROSCOPIC EXAMINATION (Manual) Method: Light microscopy on centrifuged urine		
WBC/Pus Cells	2-4 /hpf	(4-6)
Red Blood Cells	NIL	(1-2)
Epithelial Cells	1-2 /hpf	(2-4)
Casts	NIL	(NIL)
Crystals	NIL	(NIL)
Bacteria	NIL	
Yeast cells	NIL	

Interpretation:

Page 7 of 8

Human Care Medical Charitable Trust

Registered Office: Sector-6, Dwarka, New Delhi 110 075

Department Of Laboratory Medicine

Name : MRS DOLLY **Age** : 32 Yr(s) Sex :Female
Registration No : MH013303414 **Lab No** : 38240402167
Patient Episode : H03000062491 **Collection Date** : 20 Apr 2024 13:22
Referred By : HEALTH CHECK MHD **Reporting Date** : 20 Apr 2024 19:34
Receiving Date : 20 Apr 2024 14:10

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, urinary 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 during 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.

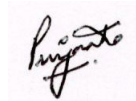
Specific gravity: Specific gravity gives an indication of how concentrated the urine is. Increased Specific gravity is seen in conditions like dehydration, glycosuria and proteinuria while decreased Specific gravity is seen in excessive fluid intake, renal failure and diabetes insipidus.

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.

Page 8 of 8

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



Dr. Priyanka Bhatia
CONSULTANT PATHOLOGY



NAME	MRS , DOLLY	STUDY DATE	20/04/2024 11:27AM
AGE / SEX	32 y / F	HOSPITAL NO.	MH013303414
ACCESSION NO.	R7271032	MODALITY	US
REPORTED ON	20/04/2024 12:43PM	REFERRED BY	Health Check MHD

USG WHOLE ABDOMEN

Results:

Liver is normal in size and **shows grade I fatty changes**. No focal intra-hepatic lesion is detected. Intra-hepatic biliary radicals are not dilated. Portal vein is normal in calibre.

Gall bladder appears echofree with normal wall thickness. Common bile duct is normal in calibre.

Pancreas is normal in size and echopattern.

Spleen is normal in size and 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 (7 x 3.9 x 5 cm). Myometrial echogenicity appears uniform. Endometrium is central~11.2 mm.

Both ovaries show peripherally arranged follicles with increased stromal echogenicity suggestive of polycystic ovarian pattern.

Right ovary measures ~2.8 x 2.0 x 2.8 cm, vol. 8.7 cc.

Left ovary measures ~ 2.8 x 1.6 x 3.1 cm, vol. 7.8 cc

No significant free fluid is detected.

IMPRESSION:

- **Grade I fatty liver.**
- **Bilateral polycystic ovaries (Adv: Clinical /hormonal correlation).**

Kindly correlate clinically.



NABH Accredited Hospital
H-2019-0640/09/06/2019-08/06/2022



NABL Accredited Hospital
MC/3228/04/09/2019-03/09/2021



Awarded Emergency Excellence Services
E-2019-0026/27/07/2019-26/07/2021



Awarded Nursing Excellence Services
N-2019-0113/27/07/2019-26/07/2021



Awarded Clean & Green Hospital
IND18.6278/05/12/2018- 04/12/2019

www.manipalhospitals.com E info@manipalhospitals.com P +91 11 4967 4967

Home sample collection: +91 74 2876 9482 Pharmacy Home Delivery: +91 84 4848 6472

Human Care Medical Charitable Trust



Sector-6, Dwarka, New Delhi 110 075

GST: 07AAAAH3917LIZM

PAN NO: AAAAH3917L

NAME	MRS , DOLLY	STUDY DATE	20/04/2024 11:27AM
AGE / SEX	32 y / F	HOSPITAL NO.	MH013303414
ACCESSION NO.	R7271032	MODALITY	US
REPORTED ON	20/04/2024 12:43PM	REFERRED BY	Health Check MHD

Perna Malhotra

Dr. Perna Malhotra MBBS, MD, DMC No: 90870

ASSOCIATE CONSULTANT

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



NABH Accredited Hospital
H-2019-0640/09/06/2019-08/06/2022



NABL Accredited Hospital
MC/3228/04/09/2019-03/09/2021



Awarded Emergency Excellence Services
E-2019-0026/27/07/2019-26/07/2021



Awarded Nursing Excellence Services
N-2019-0113/27/07/2019-26/07/2021



Awarded Clean & Green Hospital
IND18.6278/05/12/2018- 04/12/2019

www.manipalhospitals.com E info@manipalhospitals.com P +91 11 4967 4967

Home sample collection: +91 74 2876 9482 Pharmacy Home Delivery: +91 84 4848 6472

Managed by Manipal Hospital (Dwarka) Private Limited