



NAME	MRS Sonia DEVI	STUDY DATE	01/08/2023 11:07AM
AGE / SEX	50 y / F	HOSPITAL NO.	MH011189014
ACCESSION NO.	NM9214049	MODALITY	US
REPORTED ON	01/08/2023 12:07PM	REFERRED BY	Health Check MHD

2D ECHOCARDIOGRAPHY REPORT

Findings:

	End diastole	End systole
IVS thickness (cm)	1.2	1.4
Left Ventricular Dimension (cm)	4.8	3.0
Left Ventricular Posterior Wall thickness (cm)	1.1	1.3
Aortic Root Diameter (cm)	3.4	
Left Atrial Dimension (cm)	3.6	
Left Ventricular Ejection Fraction (%)	55%	

LEFT VENTRICLE	:	Mild LVH present. No RWMA. LVEF=55%
RIGHT VENTRICLE	:	Normal in size. Normal RV function.
LEFT ATRIUM	:	Normal in size
RIGHT ATRIUM	:	Normal in size
MITRAL VALVE	:	Mild MR
AORTIC VALVE	:	Normal
TRICUSPID VALVE	:	Trace TR (PASP ~ 30 mmHg)
PULMONARY VALVE	:	Normal
MAIN PULMONARY ARTERY & ITS BRANCHES	:	Appears normal.
INTERATRIAL SEPTUM	:	Intact.
INTERVENTRICULAR SEPTUM	:	Intact.
PERICARDIUM	:	No pericardial effusion or thickening

DOPPLER STUDY

VALVE	Peak Velocity (cm/sec)	Maximum P.G. (mmHg)	Mean P. G. (mmHg)	Regurgitation	Stenosis
MITRAL	E=98 A=110	-	-	Mild	Nil
AORTIC	143	-	-	Nil	Nil
TRICUSPID	-	N	N	Trace	Nil
PULMONARY	68	N	N	Nil	Nil

SUMMARY & INTERPRETATION:

- No LV regional wall motion abnormality with LVEF = 55%



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GST: 07AAAAH3917LIZM

PAN NO: AAAAH3917L

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REPORTED ON	01/08/2023 12:07PM	REFERRED BY	Health Check MHD

- o Mild LVH present. Normal sized RA/RV/LA. Normal RV function.
- o Mild MR
- o Trace TR (PASP ~ 30 mmHg)
- o Grade I diastolic dysfunction.
- o IVC normal in size, >50% collapse with inspiration, suggestive of normal RA pressure.
- o No clot/ no vegetation/ no pericardial effusion.

Please correlate clinically.

**Dr. Bipin Dubey MBBS, MD, General Medicine, DM(Cardiology) DMC No.42490
HOD and Consultant (Cardiology)**

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



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GST: 07AAAAH3917LIZM

PAN NO: AAAAH3917L

NAME	MRS Sonia DEVI	STUDY DATE	01/08/2023 12:04PM
AGE / SEX	50 y / F	HOSPITAL NO.	MH011189014
ACCESSION NO.	R5888181	MODALITY	CR
REPORTED ON	01/08/2023 1:18PM	REFERRED BY	Health Check MHD

X-RAY CHEST – PA VIEW

FINDINGS:

Lung fields appear normal on both sides.
Cardia appears normal.
Both costophrenic angles appear normal.
Both domes of the diaphragm appear normal.
Bony cage appear normal.

IMPRESSION:

No significant abnormality noted.
Needs correlation with clinical findings and other investigations.

Dr. Nipun Gumber MBBS, MD DMC No.90272

ASSOCIATE CONSULTANT

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



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NAME	MRS Sonia DEVI	STUDY DATE	01/08/2023 11:50AM
AGE / SEX	50 y / F	HOSPITAL NO.	MH011189014
ACCESSION NO.	R5888182	MODALITY	MG
REPORTED ON	01/08/2023 12:58PM	REFERRED BY	Health Check MHD

BILATERAL MAMMOGRAM

Bilateral breast mammogram was performed in craniocaudal and mediolateral oblique projections and the images were reviewed on a mammography compatible digital CR system.

Indication: Screening. No previous mammogram provided.

Findings:

Both breasts shows almost entirely fatty parenchyma (ACR class A).

Presence of any mass / glandular asymmetry– No

Presence of any calcification - No.

No skin thickening, nipple retraction or architectural distortion seen in either breast.

Axillary lymph nodes - Nodes with fatty hila seen bilaterally.

IMPRESSION: NORMAL STUDY. BIRADS 1.

Kindly correlate clinically

***Recommendation- Self breast exam monthly
Follow up study yearly.***

Kindly bring these films and the report on your next visit.

Please note: Not all breast abnormalities show up on mammography. The management of a palpable abnormality must be based on clinical grounds. If you detect a lump or any other changes in your breast before your next screening mammogram, consult your doctor immediately.

Dr. Simran Singh DNB, FRCR(UK) DMC N0.36404

CONSULTANT RADIOLOGIST

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



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Human Care Medical Charitable Trust

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

Department Of Laboratory Medicine

Name : MRS SONIA DEVI **Age** : 50 Yr(s) Sex :Female
Registration No : MH011189014 **Lab No** : 32230800132
Patient Episode : H03000055445 **Collection Date** : 01 Aug 2023 09:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 01 Aug 2023 12:29
Receiving Date : 01 Aug 2023 09:22

BIOCHEMISTRY

THYROID PROFILE, Serum

Specimen Type : Serum

T3 - Triiodothyronine (ECLIA)	1.15	ng/ml	[0.70-2.04]
T4 - Thyroxine (ECLIA)	10.00	µg/dl	[4.60-12.00]
Thyroid Stimulating Hormone (ECLIA)	2.590	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>

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Department Of Laboratory Medicine

Name : MRS SONIA DEVI **Age** : 50 Yr(s) Sex :Female
Registration No : MH011189014 **Lab No** : 32230800132
Patient Episode : H03000055445 **Collection Date** : 01 Aug 2023 09:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 01 Aug 2023 12:22
Receiving Date : 01 Aug 2023 09:22

BIOCHEMISTRY

Lipid Profile (Serum)

TOTAL CHOLESTEROL (CHOD/POD)	149	mg/dl	[<200] Moderate risk:200-239 High risk:>240
TRIGLYCERIDES (GPO/POD)	136	mg/dl	[<150] Borderline high:151-199 High: 200 - 499 Very high:>500
HDL - CHOLESTEROL (Direct) Methodology: Homogenous Enzymatic	47	mg/dl	[30-60]
VLDL - Cholesterol (Calculated)	27	mg/dl	[10-40]
(CALCULATED)LDL- CHOLESTEROL	75	mg/dl	[<100] Near/Above optimal-100-129 Borderline High:130-159 High Risk:160-189
T.Chol/HDL.Chol ratio	3.2		<4.0 Optimal 4.0-5.0 Borderline >6 High Risk
LDL.CHOL/HDL.CHOL Ratio	1.6		<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

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Registration No : MH011189014 **Lab No** : 32230800132
Patient Episode : H03000055445 **Collection Date** : 01 Aug 2023 09:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 01 Aug 2023 12:22
Receiving Date : 01 Aug 2023 09:22

BIOCHEMISTRY

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

Test Name	Result	Unit	Biological Ref. Interval
LIVER FUNCTION TEST (Serum)			
BILIRUBIN-TOTAL (Diazonium Ion)	0.65	mg/dl	[0.10-1.20]
BILIRUBIN - DIRECT (Diazotization)	0.25	mg/dl	[<0.2]
BILIRUBIN - INDIRECT (Calculated)	0.40	mg/dl	[0.20-1.00]
SGOT/ AST (UV without P5P)	40.90	IU/L	[5.00-37.00]
SGPT/ ALT (UV without P5P)	46.10	IU/L	[10.00-50.00]
ALP (p-NPP,kinetic)*	93	IU/L	[39-100]
TOTAL PROTEIN (Biuret)	7.5	g/dl	[6.0-8.2]
SERUM ALBUMIN (BCG-dye)	4.6	g/dl	[3.5-5.0]
SERUM GLOBULIN (Calculated)	2.9	g/dl	[1.8-3.4]
ALB/GLOB (A/G) Ratio(Calculated)	1.59		[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.

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Department Of Laboratory Medicine

Name : MRS SONIA DEVI **Age** : 50 Yr(s) Sex :Female
Registration No : MH011189014 **Lab No** : 32230800132
Patient Episode : H03000055445 **Collection Date** : 01 Aug 2023 09:05
Referred By : HEALTH CHECK MHD **Reporting Date** : 01 Aug 2023 12:39
Receiving Date : 01 Aug 2023 09:22

BIOCHEMISTRY

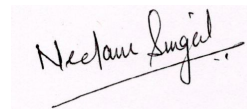
Test Name	Result	Unit	Biological Ref. Interval
KIDNEY PROFILE (Serum)			
BUN (Urease/GLDH)	8.00	mg/dl	[8.00-23.00]
SERUM CREATININE (Jaffe's method)	0.52	mg/dl	[0.60-1.40]
SERUM URIC ACID (Uricase)	5.6	mg/dl	[2.6-6.0]
SERUM CALCIUM (NM-BAPTA)	9.3	mg/dl	[8.6-10.0]
SERUM PHOSPHORUS (Molybdate, UV)	3.7	mg/dl	[2.3-4.7]
SERUM SODIUM (ISE)	136.0	mmol/l	[134.0-145.0]
SERUM POTASSIUM (ISE)	4.69	mmol/l	[3.50-5.20]
SERUM CHLORIDE (ISE Indirect)	100.2	mmol/L	[95.0-105.0]
eGFR	111.8	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.

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



Dr. Neelam Singal
CONSULTANT BIOCHEMISTRY

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Department Of Laboratory Medicine

Name : MRS SONIA DEVI **Age** : 50 Yr(s) Sex :Female
Registration No : MH011189014 **Lab No** : 32230800133
Patient Episode : H03000055445 **Collection Date** : 01 Aug 2023 11:45
Referred By : HEALTH CHECK MHD **Reporting Date** : 01 Aug 2023 13:43
Receiving Date : 01 Aug 2023 12:06

BIOCHEMISTRY

Specimen Type : Plasma

PLASMA GLUCOSE - PP

Plasma GLUCOSE - PP (Hexokinase) 251 mg/dl [70-140]

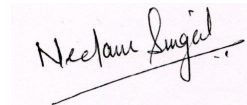
Note : Conditions which can lead to lower postprandial glucose levels as compared to fasting glucose are excessive insulin release, rapid gastric emptying, brisk glucose absorption , post exercise

Specimen Type : Serum/Plasma

Plasma GLUCOSE-Fasting (Hexokinase) 137 mg/dl [70-100]

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



Dr. Neelam Singal
CONSULTANT BIOCHEMISTRY

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Department Of Laboratory Medicine

Name : MRS SONIA DEVI **Age** : 50 Yr(s) Sex :Female
Registration No : MH011189014 **Lab No** : 33230800101
Patient Episode : H03000055445 **Collection Date** : 01 Aug 2023 09:07
Referred By : HEALTH CHECK MHD **Reporting Date** : 01 Aug 2023 12:20
Receiving Date : 01 Aug 2023 09:26

HAEMATOLOGY

ERYTHROCYTE SEDIMENTATION RATE (Automated) Specimen-Whole Blood

ESR **45.0** **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)	5300	/cu.mm	[4000-10000]
RBC Count (Impedence)	4.49	million/cu.mm	[3.80-4.80]
Haemoglobin (SLS Method)	12.0	g/dL	[12.0-15.0]
Haematocrit (PCV) (RBC Pulse Height Detector Method)	36.6	%	[36.0-46.0]
MCV (Calculated)	81.5	fL	[83.0-101.0]
MCH (Calculated)	26.7	pg	[25.0-32.0]
MCHC (Calculated)	32.8	g/dL	[31.5-34.5]
Platelet Count (Impedence)	211000	/cu.mm	[150000-410000]
RDW-CV (Calculated)	14.8	%	[11.6-14.0]
DIFFERENTIAL COUNT			
Neutrophils (Flowcytometry)	66.2	%	[40.0-80.0]
Lymphocytes (Flowcytometry)	23.6	%	[20.0-40.0]

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Department Of Laboratory Medicine

Name : MRS SONIA DEVI **Age** : 50 Yr(s) Sex :Female
Registration No : MH011189014 **Lab No** : 33230800101
Patient Episode : H03000055445 **Collection Date** : 01 Aug 2023 09:07
Referred By : HEALTH CHECK MHD **Reporting Date** : 01 Aug 2023 10:53
Receiving Date : 01 Aug 2023 09:26

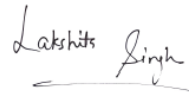
HAEMATOLOGY

Monocytes (Flowcytometry)	8.3	%	[2.0-10.0]
Eosinophils (Flowcytometry)	1.5	%	[1.0-6.0]
Basophils (Flowcytometry)	0.4	%	[1.0-2.0]
IG	0.40	%	
Neutrophil Absolute(Flourescence flow cytometry)	3.5	/cu mm	[2.0-7.0]x10 ³
Lymphocyte Absolute(Flourescence flow cytometry)	1.3	/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.

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



Dr.Lakshita singh

Human Care Medical Charitable Trust

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Department Of Laboratory Medicine

Name : MRS SONIA DEVI **Age** : 50 Yr(s) Sex :Female
Registration No : MH011189014 **Lab No** : 38230800024
Patient Episode : H03000055445 **Collection Date** : 01 Aug 2023 09:06
Referred By : HEALTH CHECK MHD **Reporting Date** : 01 Aug 2023 12:45
Receiving Date : 01 Aug 2023 10:12

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]	5.0	(5.0-9.0)
(Reflectancephotometry(Indicator Method))		
Specific Gravity	1.005	(1.003-1.035)
(Reflectancephotometry(Indicator Method))		
Bilirubin	Negative	NEGATIVE
Protein/Albumin	Negative	(NEGATIVE-TRACE)
(Reflectance photometry(Indicator Method)/Manual SSA)		
Glucose	NOT DETECTED	(NEGATIVE)
(Reflectance photometry (GOD-POD/Benedict Method))		
Ketone Bodies	NOT DETECTED	(NEGATIVE)
(Reflectance photometry(Legal's Test)/Manual Rotheras)		
Urobilinogen	NORMAL	(NORMAL)
Reflectance photometry/Diazonium salt reaction		
Nitrite	NEGATIVE	NEGATIVE
Reflectance photometry/Griess test		
Leukocytes	NIL	NEGATIVE
Reflectance photometry/Action of Esterase		
BLOOD	NIL	NEGATIVE
(Reflectance photometry(peroxidase))		
MICROSCOPIC EXAMINATION (Manual)	Method: Light microscopy on centrifuged urine	
WBC/Pus Cells	1-2 /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:

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Department Of Laboratory Medicine

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Registration No : MH011189014 **Lab No** : 38230800024
Patient Episode : H03000055445 **Collection Date** : 01 Aug 2023 09:06
Referred By : HEALTH CHECK MHD **Reporting Date** : 01 Aug 2023 12:45
Receiving Date : 01 Aug 2023 10:12

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.

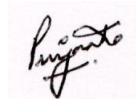
Bilirubin: In certain liver diseases such as biliary obstruction or hepatitis,

bilirubin gets excreted in urine.

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

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



Dr. Priyanka Bhatia
CONSULTANT PATHOLOGY

Human Care Medical Charitable Trust

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Department Of Laboratory Medicine

Name : MRS SONIA DEVI **Age** : 50 Yr(s) Sex :Female
Registration No : MH011189014 **Lab No** : 31230800012
Patient Episode : H03000055445 **Collection Date** : 01 Aug 2023 09:06
Referred By : HEALTH CHECK MHD **Reporting Date** : 01 Aug 2023 10:51
Receiving Date : 01 Aug 2023 09:28

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 2

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



Dr Himanshu Lamba

Human Care Medical Charitable Trust

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Department Of Laboratory Medicine

Name : MRS SONIA DEVI Age : 50 Yr(s) Sex :Female
Registration No : MH011189014 Lab No : 32230800132
Patient Episode : H03000055445 Collection Date : 01 Aug 2023 09:05
Referred By : HEALTH CHECK MHD Reporting Date : 01 Aug 2023 11:41
Receiving Date : 01 Aug 2023 09:26

BIOCHEMISTRY

Specimen: EDTA Whole blood

HbA1c (Glycosylated Hemoglobin) 7.5 % [4.0-6.5]
As per American Diabetes Association(ADA) 2010
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) 169 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.

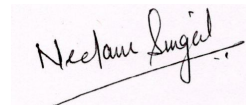
Limitations :

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

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