

Patient Name : Ms.AFSHA KHATOON	Visit No : CHA250036034
Age/Gender : 54 Y/F	Registration ON : 28/Feb/2025 10:41AM
<b>Lab No : 10133330</b>	Sample Collected ON : 28/Feb/2025 10:43AM
Referred By : Dr.ROHAN BAJPAI	Sample Received ON : 28/Feb/2025 11:15AM
Refer Lab/Hosp : CGHS (DEBIT)	Report Generated ON : 28/Feb/2025 12:58PM
Doctor Advice : LIPID-PROFILE,T3T4TSH,URIC ACID,HBA1C (EDTA),CBC+ESR,LFT,KIDNEY FUNCTION TEST - I	



Test Name	Result	Unit	Bio. Ref. Range	Method
<b>CBC+ESR (COMPLETE BLOOD COUNT)</b>				
Erythrocyte Sedimentation Rate ESR	<b>30.00</b>		0 - 20	Westergreen



**CHARAK**

[Checked By]

Print.Date/Time: 28-02-2025 15:38:00

\*Patient Identity Has Not Been Verified. Not For Medicolegal



*Sharma*

DR. NISHANT SHARMA DR. SHADAB Dr. SYED SAIF AHMAD  
PATHOLOGIST PATHOLOGIST MD (MICROBIOLOGY)

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Doctor Advice : LIPID-PROFILE,T3T4TSH,URIC ACID,HBA1C (EDTA),CBC+ESR,LFT,KIDNEY FUNCTION TEST - I	



Test Name	Result	Unit	Bio. Ref. Range	Method
<b>HBA1C</b>				
Glycosylated Hemoglobin (HbA1c)	5.3	%	4 - 5.7	HPLC (EDTA)

**NOTE:-**

Glycosylated Hemoglobin Test (HbA1c) is performed in this laboratory by the Gold Standard Reference method, ie: HPLC Technology (High performance Liquid Chromatography D10) from Bio-Rad Laboratories. USA.

**EXPECTED ( RESULT ) RANGE :**

Bio system	Degree of normal
4.0 - 5.7 %	Normal Value (OR) Non Diabetic
5.8 - 6.4 %	Pre Diabetic Stage
> 6.5 %	Diabetic (or) Diabetic stage
6.5 - 7.0 %	Well Controlled Diabet
7.1 - 8.0 %	Unsatisfactory Control
> 8.0 %	Poor Control and needs treatment

**URIC ACID**

Sample Type : SERUM

SERUM URIC ACID	5	mg/dL	2.40 - 5.70	Uricase, Colorimetric
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**LIPID-PROFILE**

Cholesterol/HDL Ratio	3.10	Ratio	Calculated
LDL / HDL RATIO	1.73	Ratio	Calculated

Desirable / low risk - 0.5 - 3.0  
Low/ Moderate risk - 3.0 - 6.0  
Elevated / High risk - >6.0  
Desirable / low risk - 0.5 - 3.0  
Low/ Moderate risk - 3.0 - 6.0  
Elevated / High risk - > 6.0



[Checked By]

Print.Date/Time: 28-02-2025 15:38:02

\*Patient Identity Has Not Been Verified. Not For Medicolegal

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DR. SHADAB PATHOLOGIST  
Dr. SYED SAIF AHMAD MD (MICROBIOLOGY)

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Test Name	Result	Unit	Bio. Ref. Range	Method
<b>CBC+ESR (COMPLETE BLOOD COUNT)</b>				
Hb	11.8	g/dl	12 - 15	Non Cyanide
R.B.C. COUNT	4.20	mil/cmm	3.8 - 4.8	Electrical Impedence
PCV	37.0	%	36 - 45	Pulse hieght detection
MCV	87.7	fL	80 - 96	calculated
MCH	28.0	pg	27 - 33	Calculated
MCHC	31.9	g/dL	30 - 36	Calculated
RDW	14.7	%	11 - 15	RBC histogram derivation
RETIC	0.9 %	%	0.5 - 2.5	Microscopy
TOTAL LEUCOCYTES COUNT	7160	/cmm	4000 - 10000	Flocytometry
<b>DIFFERENTIAL LEUCOCYTE COUNT</b>				
NEUTROPHIL	51	%	40 - 75	Flowcytometry
LYMPHOCYTE	41	%	20-40	Flowcytometry
EOSINOPHIL	5	%	1 - 6	Flowcytometry
MONOCYTE	3	%	2 - 10	Flowcytometry
BASOPHIL	0	%	00 - 01	Flowcytometry
PLATELET COUNT	217,000	/cmm	150000 - 450000	Elect Imped..
PLATELET COUNT (MANUAL)	217000	/cmm	150000 - 450000	Microscopy .
Mentzer Index	21			
Peripheral Blood Picture	:			

Red blood cells are normocytic normochromic. Platelets are adequate. No immature cells or parasite seen.



[Checked By]



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**Lab No : 10133330** Sample Collected ON : 28/Feb/2025 10: 43AM  
Referred By : Dr.ROHAN BAJPAI Sample Received ON : 28/Feb/2025 11: 11AM  
Refer Lab/Hosp : CGHS (DEBIT) Report Generated ON : 28/Feb/2025 01: 14PM  
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Test Name	Result	Unit	Bio. Ref. Range	Method
<b>LIVER FUNCTION TEST</b>				
TOTAL BILIRUBIN	0.48	mg/dl	0.4 - 1.1	Diazonium Ion
CONJUGATED ( D. Bilirubin)	0.09	mg/dL	0.00-0.30	Diazotization
UNCONJUGATED ( I.D. Bilirubin)	0.39	mg/dL	0.1 - 1.0	Calculated
ALK PHOS	106.00	U/L	30 - 120	PNPP, AMP Buffer
SGPT	23.0	U/L	5 - 40	UV without P5P
SGOT	24.0	U/L	5 - 40	UV without P5P
<b>LIPID-PROFILE</b>				
TOTAL CHOLESTEROL	171.00	mg/dL	Desirable: <200 mg/dl Borderline-high: 200-239 mg/dl High:>/=240 mg/dl	CHOD-PAP
TRIGLYCERIDES	102.00	mg/dL	Normal: <150 mg/dl Borderline-high:150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Serum, Enzymatic, endpoint
H D L CHOLESTEROL	55.10	mg/dL	30-70 mg/dl	CHER-CHOD-PAP
L D L CHOLESTEROL	95.50	mg/dL	Optimal:<100 mg/dl Near Optimal:100 - 129 mg/dl Borderline High: 130 - 159 mg/dl High: 160 - 189 mg/dl Very High:>/= 190 mg/dl	CO-PAP
VLDL	20.40	mg/dL	10 - 40	Calculated

**KIDNEY FUNCTION TEST - I**

Sample Type : SERUM

BLOOD UREA	38.00	mg/dl	15 - 45	Urease, UV, Serum
CREATININE	0.70	mg/dl	0.50 - 1.40	Alkaline picrate-kinetic
SODIUM Serum	136.0	MEq/L	135 - 155	ISE Direct
POTASSIUM Serum	4.3	MEq/L	3.5 - 5.5	ISE Direct



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Test Name	Result	Unit	Bio. Ref. Range	Method
<b>T3T4TSH</b>				
T3	2.17	nmol/L	1.49-2.96	ECLIA
T4	156.06	n mol/l	63 - 177	ECLIA
TSH	<b>6.79</b>	uIU/ml	0.47 - 4.52	ECLIA

**Note**

- (1) Patients having low T3 & T4 levels but high TSH levels suffer from primary hypothyroidism, cretinism, juvenile myxedema or autoimmune disorders.
- (2) Patients having low T3 & T4 levels but high TSH levels suffer from grave's disease, toxic adenoma or sub-acute thyroiditis.
- (3) Patients having either low or normal T3 & T4 levels but low TSH values suffer from iodine deficiency or secondary hypothyroidism.
- (4) Patients having high T3 & T4 levels but normal TSH levels may suffer from toxic multinodular goitre. This condition is mostly asymptomatic and may cause transient hyperthyroidism but no persistent symptoms.
- (5) Patient with high or normal T3 & T4 levels and low or normal TSH levels suffer either from T3 toxicosis or T4 Toxicosis respectively.
- (6) In patients with non thyroidal illness abnormal test results are not necessarily indicative of thyroidism but may be due to adaptation to the catabolic state and may revert to normal when the patient recovers.
- (7) There are many drugs for eg. Glucocorticoids, dopamine, Lithium, iodides, oral radiographic dyes, etc. Which may affect the thyroid function tests.
- (8) Generally when total T3 & T4 results are indecisive then Free T3 & Free T4 test are recommended for further confirmation along with

( 1 Beckman Dxi-600 2. ELECTRO-CHEMILUMINESCENCE TECHNIQUE BY ELECSYS -E411 )

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

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