Charak dhar DIAGNOSTICS Pvt. Ltd.

292/05, Tulsidas Marg, Basement Chowk, Lucknow-226 003
Phone : 0522-4062223, 9305548277, 8400888844
9415577933, 9336154100, **Tollfree No.**: 8688360360
E-mail : charak1984@gmail.com
CMO Reg. No. RMEE 2445133
NABL Reg. No. MC-2491
Certificate No. MIS-2023-0218

Patient Name	: Ms.TALAT ZAIDI	Visit No	: CHA250038571
Age/Gender	: 74 Y/F	Registration ON	: 03/Mar/2025 09:24PM
Lab No	**: 10135866**	Sample Collected ON	: 03/Mar/2025 09:25PM
Referred By	: Dr.UK MISHRA**	Sample Received ON	: 03/Mar/2025 10:21PM
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 04/Mar/2025 09:20AM
Doctor Advice	: HOMOCYSTEINE,25 OH vit. D,VIT B12,HBA1C (EDTA),RANDOM		

PR.

Test Name	Result	Unit	Bio. Ref. Range	Method
HBA1C				
Glycosylated Hemoglobin (HbA1c)	**8.3**	%	4 - 5.7	HPLC (EDTA)

NOTE:-
Glycosylated Hemoglobin Test (HbA1c)is performed in this laboratoryby 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

Test Name	Result	Unit	Bio. Ref. Range	Method
HOMOCYSTEINE				
HOMOCYSTEINE(-O)	10.0	umol/L	3.7 - 15.0	CLIA

Homocysteine (HCY) is a thiol-containing amino acid produced by the intracellular demethylation of methionine. Total homocysteine (HCY) represents the sum of all forms of HCY including forms of oxidized, protein bound & free.

Elevated total Homocysteine levels are caused by four major factors, including:

- Genetic deficiencies in enzymes involved in HCY metabolisms such as cystathionine beta synthase.
- (CBS) methionine synthase (MS), and mythelenetetrahydrofolate reductase (MTHFR).
- Nutritional deficiency in vitamin B such as B6, B12 and folate.
- Renal failure for effective amino acid clearance.
- Drug interactions such as nitric oxide, methotrexate and phenytoin that interfere with Homocysteine metabolisims.
- Elevated levels of Homocysteine are also linked with Alzheimers disease and osteoporosis.

[Checked By]

Print.Date/Time: 04-03-2025 09:55:12
*Patient Identity Has Not Been Verified. Not For Medicolegal

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

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Test Name	Result	Unit	Bio. Ref. Range	Method
25 OH vit. D				
25 Hydroxy Vitamin D	18.90	ng/ml		ECLIA

Deficiency < 10
Insufficiency 10 - 30
Sufficiency 30 - 100
Toxicity > 100

DONE BY: ELECTROCHEMILUMINESCENCE IMMUNOASSAY(Cobas e 411,Unicel DxI600,vitros ECI)

VITAMIN B12				
VITAMIN B12	**1996**	pg/mL		CLIA
			180 - 814 Normal 145 - 180 Intermediate 145.0 Deficient pg/ml	

Summary :-

Nutritional & macrocytic anemias can be caused by a deficiency of vitamin B12. This deficiency can result from diets devoid of meat & bacterial products, from alcoholism or from structural / functional damage to digestive or absorpative processes. Malabsorption is the major cause of this deficiency.

[Checked By]

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PR.

Test Name	Result	Unit	Bio. Ref. Range	Method
BLOOD SUGAR RANDOM				
BLOOD SUGAR RANDOM	**259**	mg/dl	70 - 170	Hexokinase

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

MC-2491

[Checked By]

Print.Date/Time: 04-03-2025 09:55:15

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PATHOLOGIST

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