

LABORATORY REPORT

Name	: EDLE HIRAD	File. No.	: DML02-857914
DOB/Gender	: 15-10-1957 (66 Yrs 5 Month 11 Days/Male)	Referral Doctor	: Dr. Sajid Sanaullah Khan
Lab No.	: 22240650306	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 05-03-2024 19:21:33	Clinic File No	: 38204
Insurance	: NEXTCARE		

CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
HbA1c (Glycosylated Hb)	13.80^H	%	Normal: =< 5.6 High risk/prediabetes: 5.7-6.4 Diabetes: =>6.5	TINIA(turbidimetric inhibition immunoassay)

In the absence of unequivocal hyperglycemia, result should be confirmed by repeat testing. Diabetic patients with HbA1c less than 7% meets the therapeutic goals of the American Diabetes Association (ADA 2010). Please note Reference Range Reviewed w.ef 15/10/23 .

Sample Type : EDTA WB

Glucose (Fasting)	378.00^H [Critical]	mg/dL	70 - 100	HK/G-6-PDH
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Please note Reference Range Reviewed w.ef 15/10/23

Remarks:

discussed with Dr. Solmaz
Test result to be interpreted in the light of clinical history and to be investigated further if necessary.

Sample Type : Fluoride Plasma

Alanine Aminotransferase (ALT / GPT)	32.30	U/L	10.0 - 50.0	NADH w/ P5P
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Please note Reference Range Reviewed w.ef 15/10/23

Aspartate Aminotransferase(AST / GOT)	22.00	U/L	10 - 50	NADH w/ P5P
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Please note Reference Range Reviewed w.ef 15/10/23

Urea	34.70	mg/dL	17.14 - 49.28	Urease/GLDH
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Please note Reference Range Reviewed w.ef 15/10/23

Sample Type : Serum

These tests are accredited under ISO 15189:2012 unless specified by (*)

Sample processed on the same day of receipt unless specified otherwise.

Test results pertains only the sample tested and to be correlated with clinical history.

Reference range related to Age/Gender.

Dr. Solmaz Siddiqui
Laboratory Director
DHA/LS/248469

Patient Sample Collected On : 04-03-2024 12:00:00
Authenticated On : 05-03-2024 22:20:55

Received On : 05-03-2024 19:24:00
Released On : 05-03-2024 22:21:14



Esmeralda Obenita
Lab Incharge
DHA/LS/2992011/
241430

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HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
Free T3 (Tri-iodothyronine - Free)	2.44	pg/mL	2 - 4.4	ECLIA

Conversion Formula: (Concentration in pg/mL) x (1.536) = pmol/L. This free fraction represents the physiologically active thyroid hormone. Free T3 is typically elevated to a greater degree than free thyroxine (T4) in Graves' disease. Free T3 is also important in monitoring patients on anti-thyroid therapy where treatment is focused on reducing the T3 production and the T4 conversion to T3. Please note Reference Range Reviewed w.ef 15/10/23

Free T4 (Thyroxine- Free)	1.35	ng/dL	0.92 - 1.68	ECLIA
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Conversion Formula: (Concentration in ng/dL) x (12.87) = pmol/L. Free T4 values may provide the best indication of thyroid dysfunction, since free T4 is less sensitive to changes in the serum binding proteins. Free T4 levels are elevated to a greater degree than free T3 in toxic multinodular goiter and excessive T4 therapy. Please note Reference Range Reviewed w.ef 15/10/23

TSH (Thyroid Stimulating Hormone)	1.2500	μIU/mL	0.270 - 4.20	ECLIA
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Conversion Formula: (Concentration in IU/ mL) x (1.0) = mIU/L. The determination of TSH serves as the initial test in thyroid diagnostics. Even very slight changes in the concentrations of the free thyroid hormones bring about much greater opposite changes in the TSH level. Accordingly, TSH is a very sensitive and specific parameter for assessing thyroid function and is particularly suitable for early detection or exclusion of disorders in the central regulating circuit between the hypothalamus, pituitary and thyroid. Please note Reference Range Reviewed w.ef 15/10/23 .

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LIPID PROFILE I CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
Cholesterol	289.00^H	mg/dL	Desirable: < 200 Borderline: 200 - 239 High: >or =240	Enzymatic- Cholesterol esterase
Please note Reference Range Reviewed w.ef 15/10/23				
Triglycerides	177.00^H	mg/dL	NCEP Adult Treatment Panel Normal: <150 Borderline: 150 - 199 High: 200-499 Very High: >or =500	Enzymatic GPO
Please note Reference Range Reviewed w.ef 15/10/23				
HDL Cholesterol	39.80^L	mg/dL	Major Risk: < 40	Homogeneous enzymatic-CHER & CHOD
Please note Reference Range Reviewed w.ef 15/10/23				
LDL Cholesterol	212.00^H	mg/dL	Optimal: < 100 Near or above optimal: 100-129 Borderline High: 130 - 159 High: 160-189 Very High: >or=190	Homo. Enz, Liq. Selective Surfactant
Please note Reference Range Reviewed w.ef 15/10/23				
**VLDL	37.20^H	mg/dL	5.0 - 30.0	Calculation
**Cholesterol / HDL	7.26^H	Ratio	Desirable: < 4.5 Borderline: 4.5 - 6 Undesirable: >6	Calculation

Remarks:

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Sample Type : Serum

----- End Of Report -----

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