

LABORATORY REPORT

Name	: PRASHANT SHANKAR HEGDE SHANKAR MAHABAL HEGDE	File. No.	: AAL02-356599
DOB/Gender	: 29-10-1972 (51 Yrs 4 Days/Male)	Referral Doctor	: Dr. Enomen Goodluck Ekata
Lab No.	: 22233080258	Referral Clinic	: Peshawar(Irham Medical Center)
Request Date	: 04-11-2023 19:10:16	Clinic File No	: 39628
Insurance	: NAS ADMINISTRATION SERVICES LTD		

HAEMATOLOGY & COAGULATION

Test Name	Result	Units	Ref. Range	Method
<u>COMPLETE BLOOD COUNT (CBC) WITH DIFFERENTIAL</u>				
RBC	4.91	10 ¹² /L	4.50 - 5.50	Hydrodynamic focusing (DC Detection)
Haemoglobin	14.4	g/dl	13.0 - 17.0	Photometry-SLS
HCT	41.9	%	40.0 - 50.0	Hydrodynamic focusing
MCV	85.3	fl	83.0 - 101.0	Calculation
MCH	29.3	pg	27-32	Calculation
MCHC	34.4	g/dL	31.5 - 34.5	Calculation
Platelet Count	251	10 ³ /uL	150 - 400	Hydrodynamic Focusing(DCD)
WBC	5.86	10 ³ /uL	4.00 - 10.00	Flow Cytometry
<u>DIFFERENTIAL COUNT (%)</u>				
Neutrophils	48.3	%	40.0 - 80.0	Flow Cytometry
Lymphocytes	38.6	%	20.0 - 40.0	Flow Cytometry
Monocytes	7.7	%	2.0-10.0	Flow Cytometry
Eosinophils	4.4	%	1 - 6	Flow Cytometry
Basophils	1.0	%	<1-2	Flow Cytometry
Band Forms	0.0	%	< 6	Flow Cytometry
<u>DIFFERENTIAL COUNT (ABSOLUTE)</u>				
Neutrophils (Absolute)	2.83	10 ³ /uL	2.00 - 7.00	Calculation
Lymphocytes (Absolute)	2.26	10 ³ /uL	1.00 - 3.00	Calculation
Monocytes (Absolute)	0.45	10 ³ /uL	0.20 - 1.00	Calculation
Eosinophils (Absolute)	0.26	10 ³ /uL	0.02 - 0.50	Calculation
Basophils (Absolute)	0.06	10 ³ /uL	0.02 - 0.10	Calculation
Band Forms (Absolute)	0.00	10 ³ /uL	< 0.66	Calculation

Sample Type : EDTA WB

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

H/L Collected On : 04-11-2023 12:00:00
Authenticated On : 05-11-2023 01:37:43
Received On : 04-11-2023 19:12:00
Released On : 05-11-2023 01:40:32



Esmeralda Obenita
Lab Incharge
DHA/LS/2992011/ 241430

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CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
HbA1c (whole blood)	6.2^H	%	Normal: =< 5.6 High risk/prediabetes: 5.7-6.4* Diabetes: => 6.5**	Enzymatic

* Requires screening by glucose criteria.

** Confirm by repeating the test on a different day.

Kindly note new reference range for HbA1c effective from 7/6/2020.

Remarks:

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

Sample Type : EDTA WB

Glucose - Fasting	98.00	mg/dL	70 - 100	Hexokinase/G-6-PDH
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According to American Diabetes Association 2010, fasting plasma glucose (FPG) levels of (100-125 mg/dl) are in the increased risk category for diabetes.

Sample Type : Fluoride Plasma

Protein- Total (serum)	6.95	g/dL	6.40 - 8.30	calorimetric assay
**Albumin	4.36	g/dL	3.97 - 4.94	Colorimetric - BCG

Please note Reference Range Reviewed w.ef 15/10/23

Calcium (serum)	9.2	mg/dL	8.4 - 10.2	Arsenazo III
Creatinine (serum)	0.97	mg/dL	0.6 - 1.3	Alkaline Picrate

Kindly note that the reference range is effective from 17-01-2023.

Phosphorus (serum)	5.5^H	mg/dL	2.3 - 4.7	Phosphomolybdate
Urea (serum)	25.51	mg/dL	12.84 - 42.80	Urease

Kindly note new reference range for Urea effective from 31/1/2022

Uric Acid (serum)	6.32	mg/dL	3.7 - 7.7	Uricase
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Kindly note new reference range for Uric acid effective from 20/1/2022

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Test Name	Result	Units	Ref. Range	Method
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Sample Type : Serum

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HORMONES/ENDOCRINE/TUMOR MARKERS

Test Name	Result	Units	Ref. Range	Method
**TSH (Thyroid Stimulating Hormone)	4.6700^H	μIU/mL	0.270 - 4.20	ECLIA

Conversion Formula: (Concentration in IU/ mL) × (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 .

Remarks:

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Sample Type : Serum

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Insurance : **NAS ADMINISTRATION SERVICES LTD**

ELECTROLYTES PANEL (NA,K,CL,HCO3) CLINICAL BIOCHEMISTRY

Test Name	Result	Units	Ref. Range	Method
**Sodium	139.40	mmol/L	136 - 145	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
**Potassium (serum)	5.50	mmol/L	3.5 - 5.5	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
**Chloride (serum)	101.90	mmol/L	98 - 107	ISE Indirect
Please note Reference Range Reviewed w.ef 15/10/2023.				
*Total CO2 (Bicarbonate)	19.3^L	mmol/L	22.0 - 29.0	Photometry

Remarks:

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**LIPID PROFILE I
CLINICAL BIOCHEMISTRY**

Test Name	Result	Units	Ref. Range	Method
Cholesterol (serum)	175.3	mg/dL	Desirable: < 200 Border High: 200 - 239 High: >= 240	Enzymatic
Triglycerides (serum)	163.0^H	mg/dL	Normal: < 150 Borderline High: 150 - 199 High: 200 - 499 Very High: >= 500	Glycerol Phosphate Oxidase
HDL Cholesterol	32.6^L	mg/dL	> 40.0	Accelerator Selective Detergent
LDL Cholesterol	105.7	mg/dL	Optimal: < 100 Near Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: >= 190	Liquid Selective detergent
*VLDL	37.0^H	mg/dL	5.0 - 30.0	Calculation
*Cholesterol / HDL	5.4^H	Ratio	Desirable: < 4.5 Borderline: 4.5 - 6 Undesirable: > 6	Calculation

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

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