



Patient Detail :

Muzzafar Ali

Age/Sex :

62 (Y) / M

NIC # :

35202-9813284-1

Registration Location:

Lahore: Awasia Society College Road

Registration Date:

08-Oct-2022 09:14

Reference:

Blue Card - Diabetes Care Pro

Consultant:

.

Patient Number:

46901-20-6868946

Case Number:

46903-08-10



Department of Hematology

Reporting Time: 08-Oct-2022 16:16

Blood C/E (Complete, CBC)

Test	Reference Value	Unit	46903-01-08 01-Aug-2021 09:22	46915-07-01 07-Jan-2022 10:29	46938-11-02 11-Feb-2022 15:33	46903-08-10 08-Oct-2022 09:14
Hb	13 - 18	g/dl	14.4	14.5	13.9	13.7
Total RBC	4.5 - 6.5	x10 ¹² /l	4.9	5.0	4.6	5.1
HCT	38 - 52	%	42	44	42	44
MCV	75 - 95	fl	86	87	91	88
MCH	26 - 32	pg	29	29	30	27
MCHC	30 - 35	g/dl	34	33	33	31
RDW CV %	11.5 - 14.5	%	15.2	15.4	19.8	16.5
Platelet Count	150 - 400	x10 ⁹ /l	891	1186	505	1085
MPV fl	7 - 11	fl	9.7	9.4	11.1	9.1
WBC Count (TLC)	4 - 11	x10 ⁹ /l	7.8	8.3	5.4	8.8
Neutrophils	40.0 - 75.0	%	58	60.9	54.6	62.0
Lymphocytes	20.0 - 50.0	%	30	27.8	32.2	26.7
Monocytes	2.0 - 10.0	%	08	6.9	10.4	7.6
Eosinophils	1.0 - 6.0	%	04	3.9	2.4	3.2
Basophils	Less Than 1.0	%	-	0.5	0.4	0.5
Abs. Neutrophils	2.00 - 7.00	x10 ⁹ /l	4.51	5.07	2.95	5.44
Abs. Lymphocytes	1.00 - 3.00	x10 ⁹ /l	2.37	2.31	1.74	2.34
Abs. Monocytes	0.20 - 1.00	x10 ⁹ /l	0.62	0.57	0.56	0.67
Abs. Eosinophils	0.02 - 0.50	x10 ⁹ /l	0.27	0.32	0.13	0.28
Abs. Basophils	0.02 - 0.10	x10 ⁹ /l	-	0.04	0.02	0.04

Peripheral Smear

RBC Morphology:

Normocytic normochromic

WBC Morphology:

White Blood Cells show normal morphology. No Atypical cells are seen

Platelet Morphology:

Thrombocytosis with marked anisocytosis

Advised:

Clinical correlation

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Consultant Hematologist

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CHUGHTAI LAB
ONE NATION - ONE LAB

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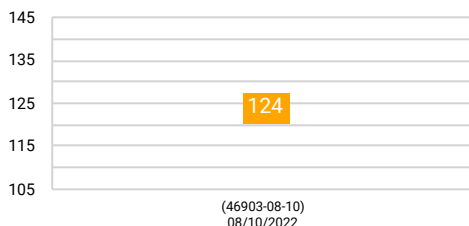
46903-08-10

Department of Chemical Pathology

Reporting Time: 08-Oct-2022 13:44

Plasma Glucose (Fasting)

A blood sample requires fasting of 12 hours. High blood glucose level can be found in people with diabetes, critical medical conditions, as well as pregnant women with gestational diabetes. Low blood glucose level commonly affects people with diabetes, rarely it can also occur as a result of other underlying conditions.



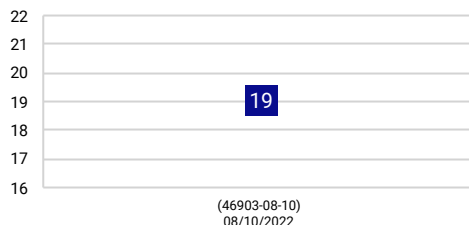
124 mg/dL
Prediabetes

■ Hypoglycemia (<70) ■ Prediabetes (100 - 126) ■ Normal (70 - 99) ■ Diabetes Mellitus (>126)

Note: Change in reference values is effective from 24 August 2021.

Reference : American Diabetes Association (ADA). Standards of medical care in diabetes - 2017

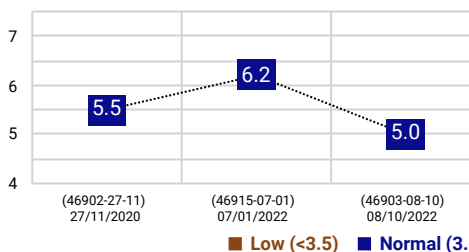
Serum ALT (SGPT)



19 U/L
Normal

■ Normal (<45) ■ High (>45)

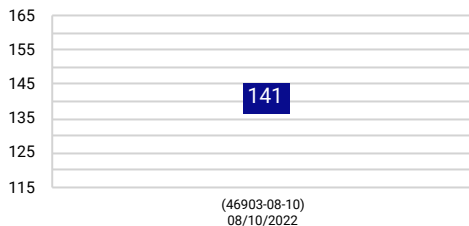
Serum Uric Acid



5.0 mg/dL
Normal

■ Low (<3.5) ■ Normal (3.5 - 7.2) ■ High (>7.2)

Serum Sodium



141 mmol/L
Normal

■ Low (<136.0) ■ Normal (136 - 145) ■ High (>145.01)

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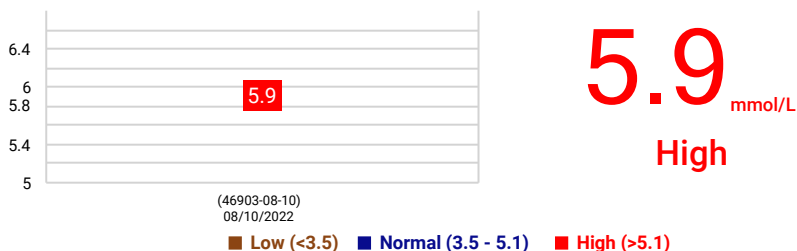
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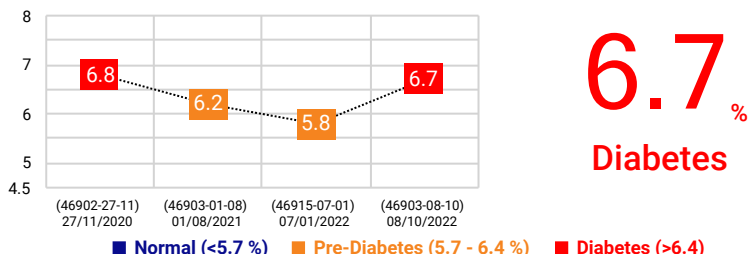
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Serum Potassium



Glycosylated Hemoglobin (HbA1C)

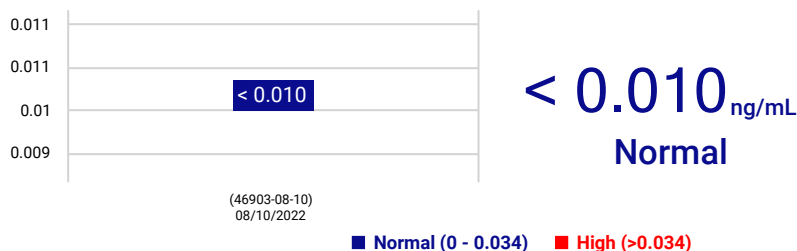


Interpretation: According to guidelines of the American Diabetes Association (ADA) patients already diagnosed with Diabetes Mellitus should monitor HbA1c level as an indicator of glycemic control over the previous 3 months time. The optimum HbA1c level is based on the health status of the individual.

In conditions associated with an altered relationship between A1C & glycemia, such as hemoglobinopathies including sickle cell disease, pregnancy (second, third trimesters & the postpartum period), glucose-6-phosphate dehydrogenase deficiency, HIV, haemodialysis, recent blood loss, transfusion or erythropoietin therapy, only plasma blood glucose criteria should be used to diagnose diabetes.

Cardiac Marker

Plasma Troponin I (cTnI)



Note: Serial sampling to detect the temporal rise and fall of cTnI levels is recommended for the differentiation of acute cardiac events from chronic cardiac disease.

Methodology: Chemiluminescent Microparticle Immunoassay (CMIA)

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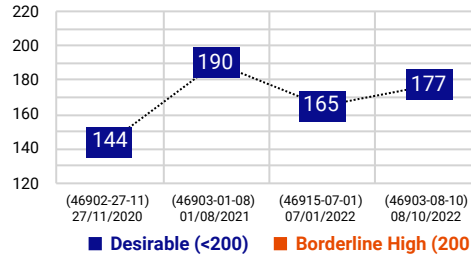
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Lipid Profile

Serum Total Cholesterol

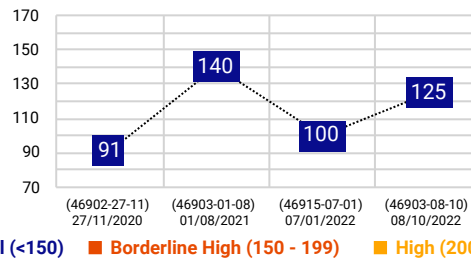
Cholesterol is essential substance for human body at normal levels. High cholesterol can block blood vessels and can increase the risk of heart disease or a stroke.



177 mg/dL
Desirable

Serum Triglycerides

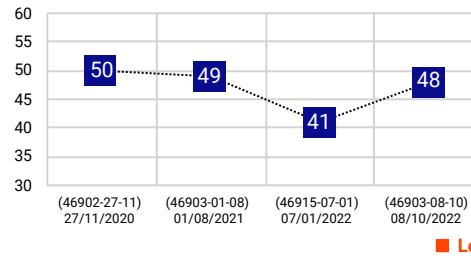
Triglycerides are fats that are a flexible source of energy. High triglyceride levels can be treated by following a lower calorie diet, taking regular exercise and medication prescribed by physician.



125 mg/dL
Normal

Serum HDL-Cholesterol

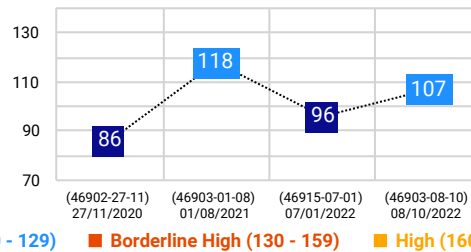
HDL Cholesterol is known as the "Good" cholesterol because it helps to remove other forms of cholesterol from bloodstream and associated with a lower risk of heart disease.



48 mg/dL
Normal

Serum LDL-Cholesterol

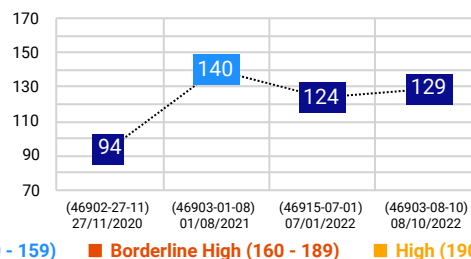
LDL-Cholesterol is known as "Bad" Cholesterol because its high levels lead to accumulate in the blood vessels.



107 mg/dL
Above Desirable

Serum Non-HDL Cholesterol

Non-HDL Cholesterol is the difference between Total and HDL Cholesterol thus, represents Cholesterol carried on all of the potentially proatherogenic Apo-B containing particles (primarily LDL-Cholesterol, IDL-Cholesterol, and VLDL-Cholesterol) as well as Chylomicron remnants and Lipoprotein(a).



129 mg/dL
Desirable

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Renal Function Tests

Serum BUN

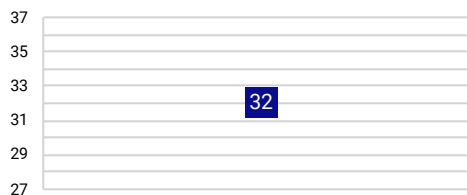


(46903-08-10)
08/10/2022

■ Low (<8) ■ Normal (8 - 22) ■ High (>22)

15 mg/dL
Normal

Serum Urea

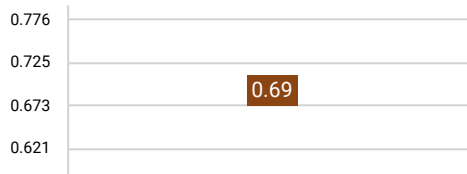


(46903-08-10)
08/10/2022

■ Low (<10) ■ Normal (10 - 50) ■ High (>50)

32 mg/dL
Normal

Serum Creatinine



(46903-08-10)
08/10/2022

■ Low (<0.73) ■ Normal (0.73 - 1.18) ■ High (>1.18)

0.69 mg/dL
Low

Note: Change in reference values is effective from 7 June 2022.

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