

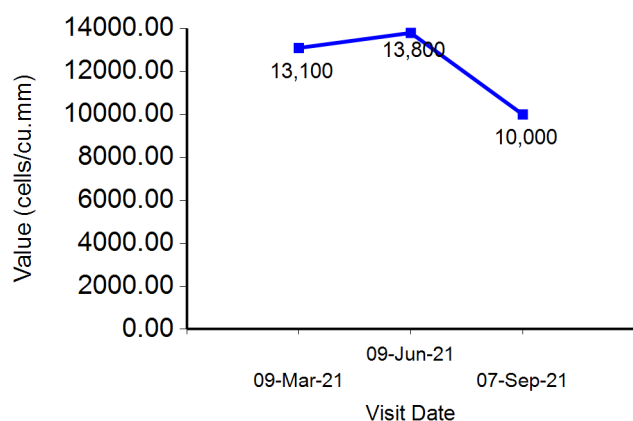
PIN No: 422001
PID NO: P442000110015
Age: 10.2 Year(s) Sex: Male

Reference: Dr.RAMESH AYER
Sample Collected At:
Dr patel metropolis healthcare pvt ltd
(nashik-cen
United legend buil,2 nd floor parijat
nagar,nashik-422007.
422007

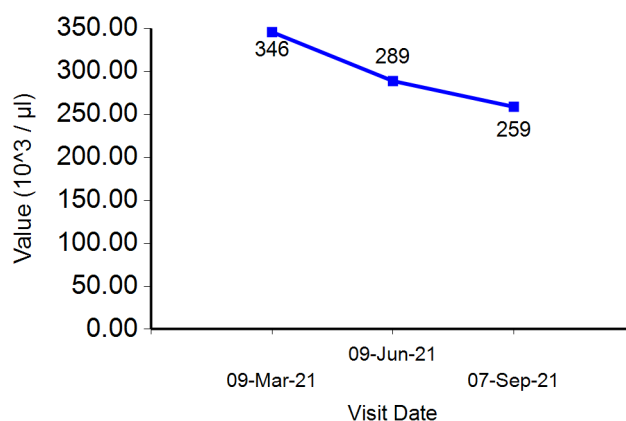
VID: 44212940213077
Registered On:
07/09/2021 08:21 AM
Collected On:
07/09/2021 8:23AM
Reported On:
07/09/2021 11:38 AM

Result Trend (For selected tests used for followup)

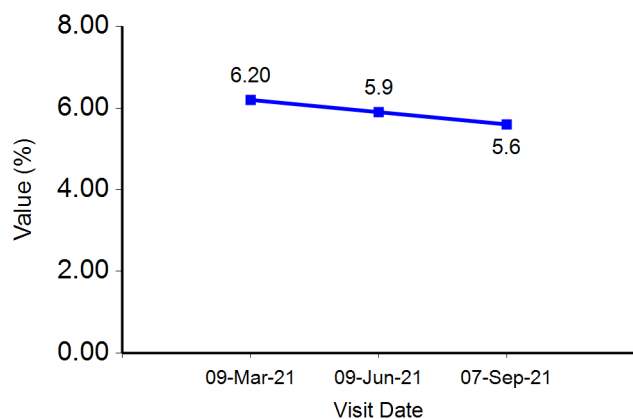
Total Leucocytes (WBC) count



Platelet count



HbA1C- Glycated Haemoglobin





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CBC Haemogram

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>Erythrocytes</u>			
Haemoglobin (Hb)	13.3	gm/dL	12.5-16.5
Erythrocyte (RBC) Count	4.99	mill/cu.mm	4.2-5.6
PCV (Packed Cell Volume)	40.6	%	36-47
MCV (Mean Corpuscular Volume)	81.4	fL	78-95
MCH (Mean Corpuscular Hb)	26.7	pg	26-32
MCHC (Mean Corpuscular Hb Conc.)	32.8	g/dL	32-36
RDW (Red Cell Distribution Width)	13.8	%	11.5-14.0
<u>Leucocytes</u>			
Total Leucocytes (WBC) count	10,000	cells/cu.mm	4000-10500
Absolute Neutrophils Count	6800	/c.mm	1800-7400
Absolute Lymphocyte Count	2600	/c.mm	1100-4700
Absolute Monocyte Count	300	/c.mm	200-1000
Absolute Eosinophil Count	300	/c.mm	20-500
Absolute Basophil Count	<u>0</u>	/c.mm	20-100
Neutrophils	68	%	44-76
Lymphocytes	26	%	15-43
Monocytes	<u>3</u>	%	4.0-9.0
Eosinophils	3	%	0-6
Basophils	0	%	0-2
<u>Platelets</u>			
Platelet count	259	10 ³ / μ l	150-450
MPV (Mean Platelet Volume)	8.5	fL	6-9.5

EDTA Whole Blood - Tests done on Automated Five Part Cell Counter. (WBC, RBC Platelet count by impedance method, WBC differential by VCS technology other parameters calculated) All Abnormal Haemograms are reviewed confirmed microscopically. Differential count is based on approximately 10,000 cells.



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HbA1C- Glycated Haemoglobin, blood by HPLC method
(EDTA Whole Blood)

Investigation	Observed Value	Unit	Biological Reference Interval
HbA1C- Glycated Haemoglobin (HPLC)	5.6	%	Non-diabetic: <= 5.6 Pre-diabetic: 5.7-6.4 Diabetic: >= 6.5
Estimated Average Glucose (eAG)	114.02	mg/dL	

Interpretation & Remark:

1. HbA1c is used for monitoring diabetic control. It reflects the estimated average glucose (eAG).
2. HbA1c has been endorsed by clinical groups & ADA (American Diabetes Association) guidelines 2017, for diagnosis of diabetes using a cut-off point of 6.5%.
3. Trends in HbA1c are a better indicator of diabetic control than a solitary test.
4. Low glycated haemoglobin(below 4%) in a non-diabetic individual are often associated with systemic inflammatory diseases, chronic anaemia(especially severe iron deficiency & haemolytic), chronic renal failure and liver diseases. Clinical correlation suggested.
5. To estimate the eAG from the HbA1C value, the following equation is used: $eAG(mg/dl) = 28.7 \times A1c - 46.7$
6. Interference of Haemoglobinopathies in HbA1c estimation.
 - A. For HbF > 25%, an alternate platform (Fructosamine) is recommended for testing of HbA1c.
 - B. Homozygous hemoglobinopathy is detected, fructosamine is recommended for monitoring diabetic status
 - C. Heterozygous state detected (D10/ turbo is corrected for HbS and HbC trait).
7. In known diabetic patients, following values can be considered as a tool for monitoring the glycemic control. Excellent Control - 6 to 7 %, Fair to Good Control - 7 to 8 %, Unsatisfactory Control - 8 to 10 % and Poor Control - More than 10 % .

Note : Hemoglobin electrophoresis (HPLC method) is recommended for detecting hemoglobinopathy.



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Investigation

Glucose fasting

(Plasma-F,Hexokinase)

Observed Value

92

Unit

mg/dL

Biological Reference Interval

Normal: < 100
Impaired Tolerance: 100-125
Diabetes mellitus: ≥ 126
(on more than one occassion)
(American diabetes association
guidelines 2019)

-- End of Report --

Dr. Manoj N. Patel
M.D, D.C.P