


Medical Laboratory Report

Patient Name : Mr test
Age and Gender : 63 Years / Male
Category : IPD - MH BMC
Referring Doctor : DR.VIDYA
Sample Processed at : MH DOMBIVALI SHAHSTRI NAGAR HOSPITAL

Patient UID No : BMCM240601214000
PRN No : 8788713252
Registered On : 04 Jun 2024
Sample UID No. 
843515297


HEMATOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
<u>PLATELET COUNT</u>			
Platelet count	267.00	x 10^3 /μL	150 - 410
Electrical impedance			
M.P.V.	8.60	fl.	
Electrical impedance			
Platelets on smear	Adequate on smear.		
Test performed on fully automated 3 part differential cell counter.			

COMPLETE BLOOD COUNT

Haemoglobin	16.50	g/dl	13.0 - 18.0
Photometric			
Total Leucocyte Count	8.25	x 10 ³ /μL	4.0- 11.0
Electrical impedance			
Total Erythrocyte Count	5.29	x 10 ⁶ /μL	3.5 - 5.5
Electrical impedance			
Platelet count	267.00	x 10 ³ /μL	150 - 410
Electrical impedance			
MPV	8.60	fl	
Calculated			
PCT	0.23	%	
Electrical Impedence			
PDW	14.70	%	
Electrical Impedence			
<u>R.B.C. Indices</u>			
P.C.V.	47.00	%	40 - 52
Electrical impedance			
M.C.V.	88.90	fL	82 - 95.0
Measured			
M.C.H.	31.20	pg	25 - 33
Measured			
M.C.H.C	35.10	gm/dl	31.5 - 34.5




DR. HETAL SHAH
(CONSULTANT PATHOLOGIST)
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~~~ END OF REPORT ~~~


Sample Collected On : 04.06.2024 14:37  
Results Authenticated : 04.06.2024 14:45

Sample Accepted On : 04.06.2024 14:37  
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E16999  
Printed On : 04.06.2024 14:50

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### HEMATOLOGY

| Test Done                               | Observed Value          | Units                 | Biological Reference Interval |
|-----------------------------------------|-------------------------|-----------------------|-------------------------------|
| <b><u>COMPLETE BLOOD COUNT</u></b>      |                         |                       |                               |
| <b><u>R.B.C. Indices</u></b>            |                         |                       |                               |
| Calculated                              |                         |                       |                               |
| <b>R.D.W. CV</b>                        | 13.30                   | %                     | 11.0 - 16.0                   |
| Calculated                              |                         |                       |                               |
| <b><u>Differential W.B.C. Count</u></b> |                         |                       |                               |
| <b>Neutrophils</b>                      | 43.10                   | %                     | 40 - 70                       |
| Cytochemistry & impedance/PS            |                         |                       |                               |
| <b>Lymphocytes</b>                      | 49.40                   | %                     | 20 - 40                       |
| Cytochemistry & impedance/PS            |                         |                       |                               |
| <b>Eosinophils</b>                      | 2.00                    | %                     | 0 - 6                         |
| Cytochemistry & impedance/PS            |                         |                       |                               |
| <b>Monocytes</b>                        | 5.20                    | %                     | 0 - 8                         |
| Cytochemistry & impedance/PS            |                         |                       |                               |
| <b>Basophils</b>                        | 0.30                    | %                     | 0 - 1                         |
| Cytochemistry & impedance/PS            |                         |                       |                               |
| <b><u>Absolute Count</u></b>            |                         |                       |                               |
| <b>Absolute Neutrophil Count</b>        | 3.56                    | x 10 <sup>3</sup> /μL | 1.5 - 8.0                     |
| Calculated                              |                         |                       |                               |
| <b>Absolute Lymphocyte Count</b>        | 4.08                    | x 10 <sup>3</sup> /μL |                               |
| Calculated                              |                         |                       |                               |
| <b>Absolute Eosinophil Count</b>        | 0.17                    | x 10 <sup>3</sup> /μL | 0.04 - 0.44                   |
| Calculated                              |                         |                       |                               |
| <b>Absolute Monocyte Count</b>          | 0.43                    | x 10 <sup>3</sup> /μL |                               |
| Calculated                              |                         |                       |                               |
| <b>Absolute Basophil Count</b>          | 0.02                    | x 10 <sup>3</sup> /μL |                               |
| Calculated                              |                         |                       |                               |
| <b><u>Peripheral Smear Findings</u></b> |                         |                       |                               |
| <b>Abnormalities of Erythrocytes</b>    | Normocytic Normochromic |                       |                               |
| <b>Abnormalities of Leucocytes</b>      | Within Normal Limits.   |                       |                               |
| <b>Platelets on smear</b>               | Adequate on smear.      |                       |                               |



  
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|-----------|----------------|-------|-------------------------------|
|-----------|----------------|-------|-------------------------------|

COMPLETE BLOOD COUNT

Test performed on fully automated 5 part differential cell counter.



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847655326

### COAGULATION STUDIES

| Test Done                                                 | Observed Value | Units | Biological Reference Interval |
|-----------------------------------------------------------|----------------|-------|-------------------------------|
| <b><u>ESTIMATION OF PROTHROMBIN TIME</u></b>              |                |       |                               |
| <b>Prothrombin Time</b><br>Electro-mechanical Clot detect | 14.00          | secs. | +/- 3 secs of MNPT            |
| <b>MNPT</b><br>Electro-mechanical Clot detect             | 12.00          | secs. |                               |
| <b>ISI value of PT reagent</b>                            | 1.10           |       |                               |
| <b>Prothrombin Ratio</b><br>Calculated                    | 1.17           |       |                               |
| <b>International Normalised Ratio (INR)</b><br>Calculated | 1.18           |       |                               |

The Prothrombin Time (PT) test is used to test the extrinsic coagulation pathway. The PT increases in deficiency of factors II, V, VII and X, Vitamin k deficiency as well as in DIC, liver disease etc. Routine PT monitoring is essential in patients on anti-coagulant therapy, in whom the INR should be maintained in between 2 and 3.5. If values increase > 3.5, stop anti-coagulant therapy immediately. Test performed on Humaclot Junior automated coagulometer.



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