

MISS. SONAM K. CHOUDHARY

Age / Sex : 30 YRS/ F
Referred by : Dr. Karthik D. Srinivas (MBBS, MD Pathologist)
Reg No. : 223
Collected at : 85696 Dwaipayana Cape, Sangali 858



Registered on : 29/02/2024 04:45 PM
Collected on : 01/03/2024 11:45 AM
Received on : 02/03/2024 04:45 PM
Reported on : 02/03/2024 04:45 PM



Hematology
COMPLETE BLOOD COUNT (CBC)

TEST	VALUE	UNIT	REFERENCE
Hemoglobin	14	g/dl	13 - 17
Total Leukocyte Count	↑ 12,000	cumm	4,000 - 11,000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
Nutrophils	45		40 - 80
Lymphocytes	↑ 45		20 - 40
Mean Corpuscular Volume (MCV) (Calculated)	↓ 12,000	cumm	4,000 - 11,000

Instruments : CBC machine

A complete blood count (CBC) is used to evaluate overall health and detect wide range of disorders, including anemia, infection and leukemia.

There have been some reports of WBC and platelet counts being lower in venous blood than in capillary blood samples, although still within these reference ranges. Low WBC - sepsis, marrow hypoplasia
High WBC - acute stress, infection, malignancies

Low platelets - risk of bleeding


High platelets - risk of thrombosis


Notes :


1.Macrocytic Anemia/Dimorphic Anemia can have low platelet count.


2.Microcytic Anemia/Leucocytosis can have Reactive thrombocytosis.

For microcytic indices a Mentzer index of less than 13 suggests that the patient may have thalassemia trait, and an index of more than 13 suggests that the patient may have iron deficiency.


Mr. Sachin Sharma
DMLT, Lab Incharge


Dr. A. K. Asthana
MBBS, MD.DPB(MUMBAI)
Consulting Pathologist


Mr. Sachin Sharma
DMLT, Lab Incharge


Dr. H. K. Asthana
MBBS