



Yash M. Patel

Age : 21 Years

Sex : Male

PID : 555



Sample Collected At:

125, Shivam Bungalow, S G Road,
Mumbai

Ref. By: **Dr. Hiren Shah**



Registered on: 02:31 PM 02 Dec, 2X

Collected on: 03:11 PM 02 Dec, 2X

Reported on: 04:35 PM 02 Dec, 2X

Mean Corpuscular Hemoglobin Concentration (MCHC)

Investigation	Result	Reference Value	Unit
Primary Sample Type :	Blood		
Mean Corpuscular Hemoglobin Concentration (MCHC)			
MCHC Calculated	32.8	32.5 - 34.5	g/dL

Comments :

- The Mean Corpuscular Hemoglobin Concentration (MCHC) blood test measures the concentration of hemoglobin in each red blood cell. It helps assess the overall quality and density of the hemoglobin in the blood.

Low MCHC Causes :

- Iron deficiency anemia - A condition in which the body lacks sufficient iron to produce hemoglobin.
- Thalassemia - A genetic disorder that affects the production of hemoglobin.
- Chronic disease - Chronic diseases such as cancer, kidney disease, and inflammatory bowel disease.
- Blood loss - Acute or chronic blood loss can lead to anemia.
- Nutritional deficiencies - Deficiencies in vitamins B6, B12, and folate can affect red blood cell production.
- Hemoglobinopathies, such as sickle cell anemia.
- Genetic conditions that affect hemoglobin production and can lead to anemia.
- Bone marrow disorders, such as aplastic anemia.
- Hemorrhagic shock - A condition in which severe bleeding leads to a rapid drop in blood pressure.

High MCHC Causes :

- Hemolytic anemia - Autoimmune hemolytic anemia.
- Spherocytosis - A genetic disorder in which red blood cells are abnormally shaped.
- Dehydration or hemoconcentration - A condition in which there is a decreased amount of fluid in the bloodstream.
- Hereditary spherocytosis - An inherited condition that causes red blood cells to be spherical and fragile.
- Liver disease or obstructive jaundice.
- High-dose intravenous immunoglobulin therapy.

Thanks for Reference

****End of Report****

Medical Lab Technician

(DMLT, BMLT)

Dr. Payal Shah

(MD, Pathologist)

Dr. Vimal Shah

(MD, Pathologist)

