

LABORATORY INVESTIGATION REPORT

Patient Name : Mr. MOHAMMAD SUMSUL HAQUE UHID : AIGG.20676703 Episode : OP Ref. Doctor : Dr. Venishetty Shantanu Sample No : AGO0355824A Ack. Date : 15/03/2024 14:22	Age/Sex : 64 Year(s) / Male Order Date : 15/03/2024 13:14 Bill No. : AGOCS240250512 Mobile No : 8801727913676 Facility : AIG Hospitals, Gachibowli Collec.Date : 15/03/24 13:26 Report Date : 15/03/24 18:04
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Biochemistry

TEST	RESULT	UNIT	BIOLOGICAL REF INTERVAL
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HbA1C

Sample Type- EDTA Whole Blood

HbA1C VALUE

7.4 ▲ (H)

%

<5.7

Method - ION EXCHANGE HPLC

As per American Diabetes Association (ADA)	
Reference Group	HbA1c in %
Non diabetic adults	>=18 years <5.7
At risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5
Therapeutic goals for glycemic control	> 19 years Goal of therapy: < 7.0 Action suggested: <8.0 Goal of therapy: < 7.5

1. Since HbA1c reflects long term fluctuations in the blood glucose concentration, a diabetic patient who is recently under good control may still have a high concentration of HbA1c. Converse is true for a diabetic previously under good control but now poorly controlled.

2. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targeting a goal of < 7.0 % may not be appropriate.

Comments: HbA1c provides an index of average blood glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

Cautions: In cases of hemolytic anemia, the lifetime of erythrocytes is shortened and will result in decreased HbA1c results. This effect will depend upon the severity of the anemia.

• Falsely low HbA1c results less than 4.0% may be observed in patients with shorten erythrocyte life span or decrease mean erythrocyte age. Specimens from patients with polycythemia or post-splenectomy may exhibit increased HbA1c values due to a somewhat longer lifespan of the erythrocytes.