



**Path Square**

Your square of good health

Patient Name : Mr. SHAM LAL  
 Age/Gender : 68 Years/Male  
 Reg. No : 0012205120003  
 Vial ID : 10132966

Ref.Doctor : Dr. Manoj Gupta  
 Collected At : WALK IN  
 Processed At : Path Square, Jammu



10132966

Collected on : 12/May/2022 01:57 AM  
 Received On : 12/May/2022 10:40AM  
 Reported on : 12/May/2022 12:22 PM

## HbA1C

TEST DESCRIPTION	RESULT VALUE	UNIT	BIOLOGICAL REFERENCE INTERVAL
HbA1C			
HbA1C, GLYCATED Hb (HPLC)	6.0	%	Non-diabetic: <= 5.6, Pre-diabetic: 5.7-6.4, Diabetic: >= 6.5 Diabetic: >= 6.5
ESTIMATED AVERAGE GLUCOSE (Calculated)	125.50	mg/dL	68 - 125

### 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:  $eAG(\text{mg/dL}) = 28.7 * A1c - 46.7$
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

Dr Atinder Rai Singh  
 Consultant Pathologist  
 Regd No 14386



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**BIOCHEMISTRY**

TEST DESCRIPTION	RESULT VALUE	UNIT	BIOLOGICAL REFERENCE INTERVAL
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**GLUCOSE FASTING**

FASTING GLUCOSE (HEXOKINASE) 98.0 mg/dl Normal: 70-99, Impaired Tolerance: 100-125, Diabetes mellitus: >=126. (American diabetes association guidelines 2020)

\*\*\* End Of Report \*\*\*

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