



SHANKAR HIREGOUDAR

PID NO: P1162200146872
Age: 50.0 Year(s) Sex: Male



Reference:

Sample Collected At:
Relex Healthcare Services India Pvt. Ltd.
11a, Ground Floor, Cycle Merchant Co-
Op Housing Society, 252/6/253a, Nana
Peth, Pune - 411002
Processing Location:- Metropolis
Healthcare Ltd. Bhandarkar Road, Pune -
411004

VID: 220116000192637

Registered On:
29/09/2022 07:33 PM
Collected On:
29/09/2022 7:33PM
Reported On:
29/09/2022 09:05 PM



HbA1C- Glycated Haemoglobin, blood by HPLC method
(EDTA Whole Blood)

Investigation	Observed Value	Unit	Biological Reference Interval
HbA1C- Glycated Haemoglobin (HPLC)	5.8	%	Non-diabetic: <= 5.6 Pre-diabetic: 5.7-6.4 Diabetic: >= 6.5 Refer interpretation for monitoring ranges.
Estimated Average Glucose (eAG)	119.76	mg/dL	

Interpretation & Remark:

- HbA1c is used for monitoring diabetic control. It reflects the estimated average glucose (eAG).
- 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%.
- Trends in HbA1c are a better indicator of diabetic control than a solitary test.
- 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.
- To estimate the eAG from the HbA1C value, the following equation is used: $eAG(mg/dl) = 28.7 \times A1c - 46.7$
- Interference of Haemoglobinopathies in HbA1c estimation.
 - For HbF > 25%, an alternate platform (Fructosamine) is recommended for testing of HbA1c.
 - Homozygous hemoglobinopathy is detected, fructosamine is recommended for monitoring diabetic status
 - Heterozygous state detected (D10/ Tosho G8 is corrected for HbS and HbC trait).
- 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.



SHANKAR HIREGOUDAR

PID NO: P1162200146872
Age: 50.0 Year(s) Sex: Male



Reference:

Sample Collected At:
Relex Healthcare Services India Pvt. Ltd.
11a, Ground Floor, Cycle Merchant Co-
Op Housing Society, 252/6/253a, Nana
Peth, Pune - 411002
Processing Location:- Metropolis
Healthcare Ltd. Bhandarkar Road, Pune -
411004

VID: 220116000192637

Registered On:
29/09/2022 07:33 PM
Collected On:
29/09/2022 7:33PM
Reported On:
29/09/2022 09:05 PM

Investigation	Observed Value	Unit	Biological Reference Interval
Glucose, Fasting & Post Lunch Package			
Glucose fasting (Plasma-F, Hexokinase)	96	mg/dL	Normal: 70-100 Impaired Fasting Glucose(IFG): 100-125 Diabetes mellitus: ≥ 126 (on more than one occasion) (American diabetes association guidelines 2019)
Glucose post prandial (Plasma - P, Hexokinase)	135	mg/dL	Normal: 70-140 Impaired Tolerance: 140-199 Diabetes mellitus: ≥ 200 (on more than one occasion) (American diabetes association guidelines 2018)

An individual may show higher fasting glucose level in comparison to post prandial glucose level due to following reasons :
The glycaemic index and response to food consumed, Changes in body composition, Increased insulin response and sensitivity,
Alimentary hypoglycemia, Renal glycosuria, Effect of oral hypoglycaemics & Insulin treatment.

-- End of Report --



Tests marked with NABL symbol are accredited by NABL vide Certificate no MC_2034

Anjali Sawant