

Client
Gurugram
 Pathkind Diagnostics Pvt. Ltd.
 Plot No. 55-56, Udhayog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.
 Plot No. 55-56, Udhayog Vihar Ph-IV, Gurugram - 122015

Name :	Mr. PL10	Billing Date :	07/07/2023 12:31:50
Age :	35 Yrs	Sample Collected on :	10/07/2023 10:01:31
Sex :	Male	Sample Received on :	10/07/2023 11:02:13
P. ID No. :	P1000100012940	Report Released on :	14/07/2023 20:36:28
Accession No :	10002304996	Barcode No. :	10002304996-01
Referring Doctor :	Self		
Referred By :		Ref no. :	

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
BIOCHEMISTRY			
Lipid Profile Direct			
Total Cholesterol <i>Sample: Serum</i> <i>Method: Spectrophotometry-Esterase/CO/Peroxidase</i>	456 H	Desirable Level : < 200 Borderline : 200 - 239 High Risk : >= 240	mg/dL
Triglycerides <i>Sample: Serum</i> <i>Method: Spectrophotometry-Enzymatic</i>	256 H	Desirable : < 150 Borderline High : 150 - 199 High : 200 - 499 Very High : >= 500	mg/dL
LDL Cholesterol (Direct) <i>Sample: Serum</i> <i>Method: Spectrophotometry-Esterase/CO/Peroxidase</i>	45	Optimal : <100 Near Optimal : 100 - 129 Borderline High : 130 - 160 High : 161 - 189 Very High : >=190	mg/dL
HDL Cholesterol <i>Sample: Serum</i> <i>Method: Spectrophotometry-Esterase/CO/Peroxidase</i>	69 H	Low : < 40 Optimal : 40 - 60 High : > 60	mg/dL
VLDL Cholesterol <i>Sample: Serum</i> <i>Method: Calculated</i>	51.2 H	Desirable 10 - 35	mg/dL
Non HDL Cholesterol <i>Sample: Serum</i>	387 H	< 130	mg/dL
Total Cholesterol / HDL Ratio <i>Sample: Serum</i> <i>Method: Calculated</i>	6.61 H	Low Risk : 3.3 - 4.4 Average Risk : 4.5 - 7.0 Moderate Risk : 7.1 - 11.0 High Risk : > 11.0	
LDL / HDL Ratio <i>Sample: Serum</i> <i>Method: Calculated</i>	0.65	Low Risk : 0.5 - 3.0 Moderate Risk : 3.1 - 6.0 High Risk : > 6.0	

Lipid Profile Direct



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Proposed LDL-C goals in very high risk and extreme risk group patients by the Lipid Association of India.

Very High Risk group(VHRG)	Extreme Risk group	
	Category A	Category B
LDL-C goal of <50 mg/dl High-risk conditions Any one of following: 1. ASCVD (CAD/PAD/TIA or stroke) 2. Homozygous familial 3. hypercholesterolemia 4. Diabetes with ≥2 major ASCVD risk factors*/target organ damage	LDL-C goal of <50 mg/dl (recommended) LDL-C goal of ≤30 mg/dl (optional) CAD with ≥1 of following: 1. Diabetes without target organ damage/≤1 major 2. ASCVD risk factors 3. Familial hypercholesterolemia 4. ≥3 major ASCVD risk factors 5. CKD stage 3B and 4 6. ≥2 major ASCVD risk factors with ≥1 moderate 7. non-conventional risk factor# 8. Lp(a) ≥50 mg/dl 9. Coronary calcium score ≥300 HU 10. Extreme of a single risk factor 11. PAD 12. H/o TIA or stroke 13. Non-stenotic carotid plaque	LDL-C goal of ≤30 mg/dl CAD with ≥1 of following: 1. Diabetes + polyvascular disease/≥2 2. major ASCVD risk factors*/target organ 3. damage 4. Recurrent ACS (within 12 months) 5. despite on LDL-C goal 6. Homozygous familial 7. Hypercholesterolemia

The LDL-C goal of ≤30 mg/dl must be pursued after detailed risk-benefit discussion between physician and patient.

Clinical judgment to be used in decision making if the patient has disease/risk factors not covered in the table, eg. peripheral arterial disease or cerebrovascular disease.

*Major ASCVD risk factors: 1. Age- male ≥45 years, female ≥55 years, 2. Family h/o premature CAD- male <55 years, female <65 years, 3. Smoking/tobacco use, 4. Systemic hypertension, 5. Low HDL (males <40 mg/dl and females <50 mg/dl).

#Moderate non-conventional risk factors: 1. Coronary calcium score 100-299 HU, 2. Increased carotid intima-media thickness, 3. Lp(a) ≥20-49 mg/dl, 4. Impaired fasting glucose, 5. Increased waist circumference, 6. Apolipoprotein B ≥ 110 mg/dl, 7. hsCRP ≥2 mg/L.



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** End of Report **



Dr. Aarti Khanna Nagpal
DNB (Pathology)
Senior Consultant

