



NORTHSHORE
MEDICAL LABORATORY

Patient Wellness Report

Patient: TEST, PATIENT1

Accession: AON1000

Provider: Welby Marcus

Northshore Medical Laboratory
7 Northshore Road
Devonshire DV01, Bermuda
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PATIENT		SPECIMEN		PROVIDER	
Name	Age	Accession ID	Date Collected	Account ID	Provider
TEST, PATIENT1	83	AON1000	12/08/2020	0000	Welby Marcus
DOB	Gender	Order ID	Date Received	Address	
01/02/1937	Female	1000	12/08/2020	7 Northshore Road Devonshire DV01, Bermuda	
Patient ID			Date Reported		
1012			12/11/2020		

Normal
Borderline
Out of Range

LIPID PANEL

Tests		In Range	Out of Range	Reference Range	Units
CHOLESTEROL, TOTAL		170		< 200	mg/dL
TRIGLYCERIDES		136		< 150	mg/dL
HDL			30	> 40	mg/dL
LDL			110	40 - 130	mg/dL
NON HDL CHOLESTEROL			140	< 160	mg/dL

LIPOPROTEIN PARTICLE NUMBERS

Tests		In Range	Out of Range	Reference Range	Units
VLDL PARTICLES		46		< 85	nmol/L
TOTAL LDL PARTICLES			956	< 900	nmol/L
NON-HDL PARTICLES			1002	< 1000	nmol/L
REMNANT LIPOPROTEIN			154	< 150	nmol/L
DENSE LDL III			489	< 300	nmol/L
DENSE LDL IV		71		< 100	nmol/L
TOTAL HDL PARTICLES			6647	> 7000	nmol/L
BUOYANT HDL 2B			1336	> 1500	nmol/L

Results Analysis

LIPID PANEL

CHOLESTEROL, TOTAL

Observation description goes here.

TRIGLYCERIDES

Observation description goes here.

HDL

Observation description goes here.

LDL

Observation description goes here.

NON HDL CHOLESTEROL

Observation description goes here.

LIPOPROTEIN PARTICLE NUMBERS

VLDL PARTICLES

Observation description goes here.

TOTAL LDL PARTICLES

Observation description goes here.

NON-HDL PARTICLES

Observation description goes here.

REMNANT LIPOPROTEIN

This highly atherogenic lipoprotein causes platelet aggregation and impairs vascular relaxation. Unlike other LDL particles which have to be oxidized before they are taken into the arterial intima by macrophage cells, RLP can contribute to plaque buildup even when not oxidized. Foam cells (the sticky contributors to arterial plaque) contains high levels of RLP. Treatment with omega 3 fatty acids can be efficacious.

DENSE LDL III

These lipoproteins are small and can thus more easily penetrate and damage the lining of the arteries due to their size, causing plaque and atherosclerosis. They are highly correlated to cardiovascular disease.

DENSE LDL IV

These lipoproteins are small and can thus more easily penetrate and damage the lining of the arteries due to their size, causing plaque and atherosclerosis. They are highly correlated to cardiovascular disease.

Results Analysis

LIPOPROTEIN PARTICLE NUMBERS

TOTAL HDL PARTICLES

Observation description goes here.

BUOYANT HDL 2B

This is a protective lipoprotein that indicates how well cholesterol is being cleared by the liver (reverse cholesterol transport system). HDL is made in the liver as HDL3 and as it travels through the body accumulating cholesterol it becomes the larger and lipid-enriched HDL2b. It positively correlates with heart health.