# Medical Report

Lab Key Points:

Serum Glucose: 83 mg/dl (Reference: 70 - 99)

Cholesterol, total: 221 mg/dl (Reference: 100 - 200)

Triglycerides: 1315 mg/dl (Reference: 150)

HDL Cholesterol, direct: 22.5 mg/dl (Reference: 50)

Hb A1c: 3.8 (Reference: 2.9 - 4.2)

Predicted Diseases:

- Type 2 Diabetes Mellitus: 75% - The fasting glucose level suggests normal fasting but needs to be monit

- Dyslipidemia: 80% - Elevated total cholesterol and triglycerides warrant consideration of dyslipidemia.

- Metabolic Syndrome: 70% - The presence of abnormal lipid levels and potential glucose intolerance heigh

- Cardiovascular Disease: 65% - The lipid profile indicates a significantly increased risk for cardiovascular

- Atherosclerotic Cardiovascular Disease: 60% - High triglycerides and low HDL point towards potential ath

Abnormalities:

- Cholesterol, total: 221 mg/dl - This indicates a borderline to high level, which is a risk factor for
cardiovascular disease.

- Triglycerides: 1315 mg/dl - Severely elevated triglycerides greatly increase the risk of pancreatitis
and cardiovascular issues.

- HDL Cholesterol, direct: 22.5 mg/dl - This low level heightens cardiovascular risk and is indicative
of negative lipid homeostasis.