

✘ PATIENT PROFILES



Miranda
Age 45

CLINICAL INFORMATION

- Smoker
- Total Cholesterol 200 mg/dL
- HDL Cholesterol 49 mg/dL
- Systolic BP 138 mm/Hg
- Not on blood pressure medications
- Family history of premature CVD
- LDL 121 mg/dL
- BMI 31 kg/m², waist 40"
- Triglycerides 150 mg/dL
- Fasting Blood Glucose 98 mg/dL

ASSESS

Assessment: Moderate Risk
ATPIII LDL Goal < 130 mg/dL

TEST

Lp-PLA₂ 278 ng/mL

TREAT

New Risk Category = HIGH
Reset LDL Target to < 100 mg/dL



Paul
Age 55

CLINICAL INFORMATION

- Non-Smoker
- Total Cholesterol 204 mg/dL
- HDL Cholesterol 35 mg/dL
- Systolic BP 128 mm/Hg
- Not on blood pressure medications
- No family history of premature CVD
- LDL 128 mg/dL
- BMI 32 kg/m², waist 42"
- Triglycerides 205 mg/dL
- Fasting Blood Glucose 110 mg/dL
- 5/5 Met Synd Diagnostic Criteria

ASSESS

Assessment: Moderate Risk
ATPIII LDL Goal < 130 mg/dL

TEST

Lp-PLA₂ 297 ng/mL

TREAT

New Risk Category = HIGH
Reset LDL Target to < 100 mg/dL



Anna
Age 67

CLINICAL INFORMATION

- Non-Smoker
- Total Cholesterol 160 mg/dL
- HDL Cholesterol 42 mg/dL
- Systolic BP 136 mm/Hg
- On blood pressure medications
- Family history of premature CVD
- LDL 88 mg/dL
- BMI 27 kg/m², waist 36"
- Triglycerides 150 mg/dL
- Fasting Blood Glucose 92 mg/dL
- CHD By Angiography (No Event)

ASSESS

Assessment: High Risk
ATPIII LDL Goal < 100 mg/dL

TEST

Lp-PLA₂ 255 ng/mL

TREAT

New Risk Category = VERY HIGH
Reset LDL Target to < 70 mg/dL

✘ COMPARISON WITH OTHER TESTS

How does Lp-PLA₂ Compare with Other Tests?

Test Name	Why is it ordered?	What is the clinical utility?	What does the Doctor do with the result?	How often is the test ordered?
Lp-PLA ₂	<ul style="list-style-type: none"> Uncover “hidden risk” of heart attack or stroke. Only blood test to assess Stroke risk 	<ul style="list-style-type: none"> Vascular specific marker for rupture-prone arterial plaques. 	<ul style="list-style-type: none"> Identify patients that can benefit from more aggressive treatment. 	<ul style="list-style-type: none"> Baseline Repeat tests as necessary (up to 4 times a year)
hs-CRP	<ul style="list-style-type: none"> Inflammatory marker 	<ul style="list-style-type: none"> Measure of systemic inflammation versus vascular specific. 	<ul style="list-style-type: none"> High levels require repeat confirmatory testing. 	<ul style="list-style-type: none"> Must run three tests and average results due to variance.
Lp(a)	<ul style="list-style-type: none"> Assists in qualifying LDL cholesterol. 	<ul style="list-style-type: none"> Identifies patients that may need further advanced lipid testing. 	<ul style="list-style-type: none"> Run additional tests Add combination therapy. 	<ul style="list-style-type: none"> With advanced lipid panel
Homocysteine	<ul style="list-style-type: none"> Loose association with arterial health. 	<ul style="list-style-type: none"> Declining use. 	<ul style="list-style-type: none"> Run additional tests. Consider treatment with supplements. 	<ul style="list-style-type: none"> Rarely.
Lipid Profile	<ul style="list-style-type: none"> Medical benchmark. 	<ul style="list-style-type: none"> Measures are the standard in the medical community for evaluating cardiovascular risk. Not a reliable predictor of stroke. 	<ul style="list-style-type: none"> Establish appropriate treatments to lower LDL, HDL, and triglycerides. 	<ul style="list-style-type: none"> Create baseline measure. Repeat tests every three months to goal. 1x year.