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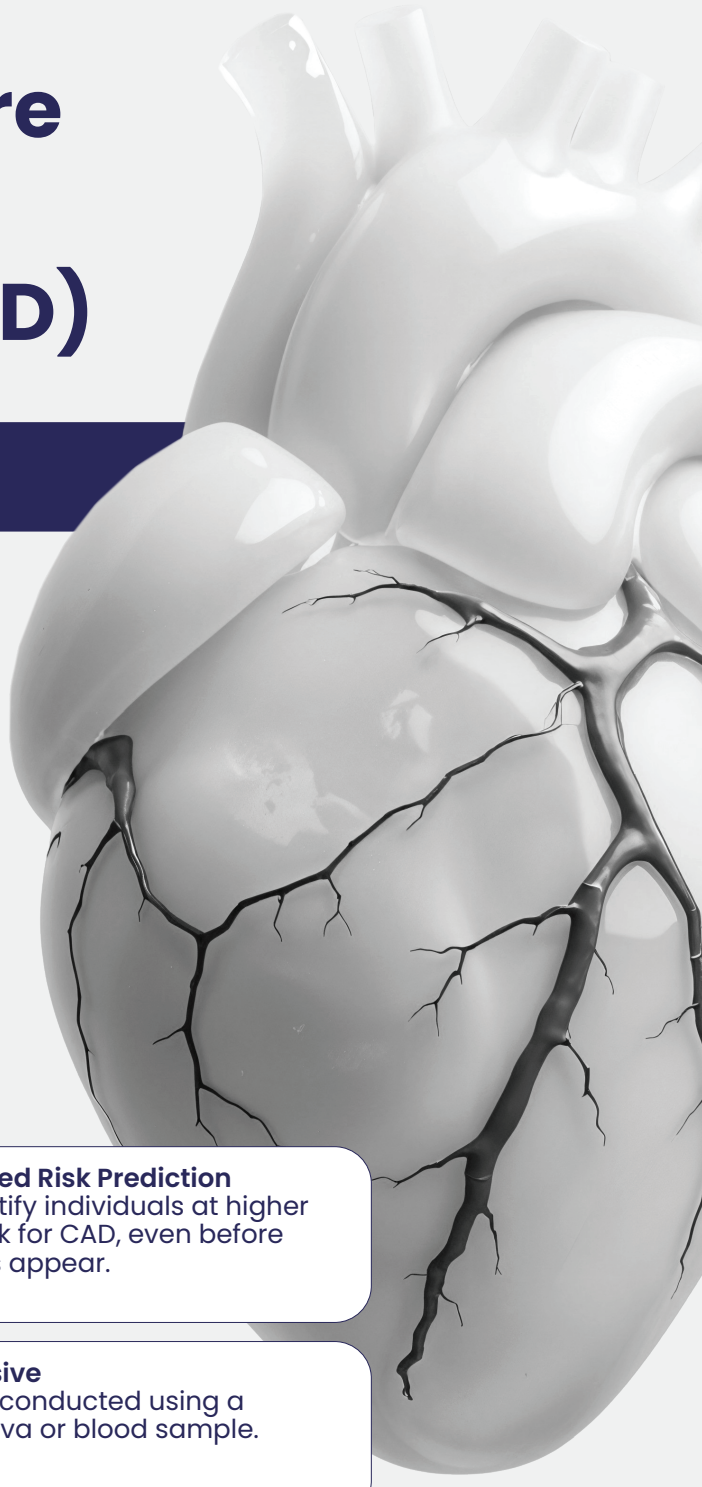
Polygenic Risk Score (PRS) for Coronary Artery Disease (CAD)



What is PRS for CAD?

Polygenic Risk Score (PRS) for Coronary Artery Disease (CAD) is an advanced genetic tool that calculates an individual's risk of developing CAD based on multiple genetic variants. Unlike traditional risk factors such as cholesterol levels or blood pressure, PRS looks at a wide range of genetic markers associated with heart disease, offering a more personalized risk assessment.

Key Features

Comprehensive Genetic Analysis
PRS evaluates thousands of genetic variants associated with CAD to provide an overall risk score.

Personalized Risk Prediction
Helps identify individuals at higher genetic risk for CAD, even before symptoms appear.

Preventive Healthcare
Enables early intervention by focusing on individuals with high PRS scores who might otherwise be overlooked based on traditional risk factors.

Non-invasive
The test is conducted using a simple saliva or blood sample.

Integration with Traditional Risk Models
PRS can be used in conjunction with conventional risk factors (age, lifestyle, etc.) to provide a more complete picture of heart disease risk.

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Benefits

- **Early Detection:** Identifies high-risk individuals who could benefit from more aggressive preventive measures, such as lifestyle changes or medications.
- **Tailored Prevention Strategies:** Enables healthcare providers to personalize prevention and treatment plans based on the patient's genetic profile.
- **Improved Patient Outcomes:** Early detection and intervention can significantly reduce the likelihood of developing CAD.

Who Should Consider PRS for CAD?

- Individuals with a family history of heart disease.
- People with normal traditional risk factors (such as cholesterol or blood pressure) but still concerned about their heart health.
- Patients with an existing history of CAD who want to understand their genetic predisposition for future cardiovascular events.

How Does the PRS Test Work?

1. A sample (saliva or blood) is collected.

2. The DNA is extracted and analyzed using Next-Generation Sequencing (NGS) to identify relevant genetic markers.

3. A polygenic risk score is generated, indicating the patient's genetic risk of CAD.

4. The results are shared with the patient and healthcare provider for a personalized risk assessment and action plan.

Why Choose Novo Genomics?

Cutting-edge genetic testing technology.

Accredited by CAP, CBAHI, and ISO, ensuring the highest standards in genetic testing.

Results delivered with actionable insights for patients and healthcare providers.