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Diabetes is a number of diseases that involve problems with the hormone insulin. Normally, the pancreas (an organ behind the stomach) releases insulin to help your body store and use the sugar and ...

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Diabetes and Heart Disease

Diabetes, Heart Disease, and Stroke | NIDDK

Diabetes is a lifelong condition that causes your blood sugar level to become too high. High blood sugar levels can damage the blood vessels, making them more likely to become narrowed. Many people with type 2 diabetes are also overweight or obese, which is also a risk factor for CVD.

In Brief. The pathophysiology of the link between diabetes and cardiovascular disease (CVD) is complex and multifactorial. Understanding these profound mechanisms of disease can help clinicians identify and treat CVD in patients with diabetes, as well as help patients prevent these potentially devastating complications. This article reviews the biological basis of the link between diabetes and CVD, from defects in the vasculature to the cellular and molecular mechanisms specific to ...

Cardiovascular disease (CVD) is a class of diseases that involve the heart or blood vessels. CVD includes coronary artery diseases (CAD) such as angina and myocardial infarction (commonly known as a heart attack). Other CVDs include stroke, heart failure, hypertensive heart disease, rheumatic heart disease, cardiomyopathy, abnormal heart rhythms, congenital heart disease, valvular heart ...

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Diabetes mellitus (DM) often coexists with cardiovascular disease (CVD) in clinical practice, but the pathophysiology of this comorbid condition could be rather confusing as the amount of scientific evidence is dispersed and has increased, especially in the last decade.

Pathophysiology of cardiovascular disease in diabetes ...

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The Pathophysiology of Cardiovascular Disease and Diabetes ...

Diabetes mellitus elicits cellular, epigenetic, and post-translational changes that directly or indirectly affect the biology of the vasculature and other metabolic systems resulting in the apparition of cardiovascular disease. In this review, we provide a current perspective on the most recent discoveries in this field, with particular focus on hyperglycemia- induced pathology in the cardiovascular system.

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Diabetes and cardiovascular disease | GM

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Diabetes and Heart Disease

Over time, high blood glucose from diabetes can damage your blood vessels and the nerves that control your heart and blood vessels. The longer you have diabetes, the higher the chances that you will develop heart disease. 1 People with diabetes tend to develop heart disease at a younger age than people without diabetes.

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Diabetes and vascular disease: pathophysiology, clinical ...

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This review discusses the pathophysiology and macrovascular complications of prediabetes. The

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