

Frederick Banting: The Man Who Changed Diabetes Forever

Frederick Banting was a Canadian physician and scientist who, along with Charles Best, discovered insulin in 1921. This discovery revolutionized the treatment of diabetes and saved the lives of millions of people. For his work, Banting was awarded the Nobel Prize in Physiology or Medicine in 1923.



Frederick Banting (Quest Library (Xyz Publishing))

by Stephen Eaton Hume

★★★★☆ 4 out of 5

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Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
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Banting was born in Alliston, Ontario, Canada, on November 14, 1891. He studied medicine at the University of Toronto and graduated in 1916. After serving in the Canadian Army during World War I, Banting returned to Toronto and began working as a surgeon.

In 1920, Banting read an article about a dog that had been pancreatectomized (had its pancreas removed). The dog had developed diabetes and was dying. Banting realized that if he could extract the

hormone from the pancreas that controlled blood sugar levels, he might be able to cure diabetes.

Banting teamed up with Best and together they began to experiment on dogs. They eventually succeeded in extracting insulin from the pancreas and injecting it into diabetic dogs. The dogs' blood sugar levels returned to normal and they were able to live healthy lives.

In 1922, Banting and Best published their findings in the journal "Science." Their discovery was quickly hailed as a medical breakthrough. Insulin was soon being used to treat diabetic patients around the world.

Banting's discovery of insulin was one of the most important medical advances of the 20th century. It saved the lives of millions of people and improved the quality of life for millions more. Banting's legacy continues to inspire scientists and doctors around the world.

Banting's Legacy

Banting's discovery of insulin had a profound impact on the lives of millions of people with diabetes. Before insulin, people with diabetes often died within a few years of diagnosis. Today, people with diabetes can live long, healthy lives thanks to insulin therapy.

Banting's work also inspired other scientists to make important discoveries in the field of diabetes research. In 1958, Frederick Sanger determined the chemical structure of insulin. In 1978, Herbert Boyer and Stanley Cohen developed a method for producing insulin using recombinant DNA technology.

Today, there are many different types of insulin available to treat diabetes. People with diabetes can now choose the type of insulin that is best for them, based on their individual needs. Insulin therapy has also become more convenient and affordable over the years.

Banting's legacy continues to inspire scientists and doctors around the world. His work has helped to improve the lives of millions of people with diabetes, and his research continues to lead to new discoveries and treatments for this disease.

Frederick Banting was a brilliant scientist who made a profound impact on the world. His discovery of insulin saved the lives of millions of people and improved the quality of life for millions more. Banting's legacy continues to inspire scientists and doctors around the world, and his work will continue to make a difference in the lives of people with diabetes for generations to come.



Photo: Library and Archives Canada



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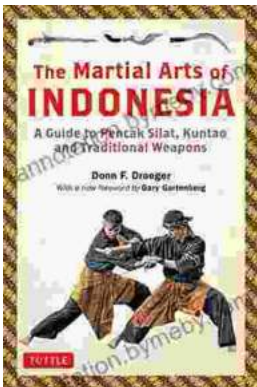
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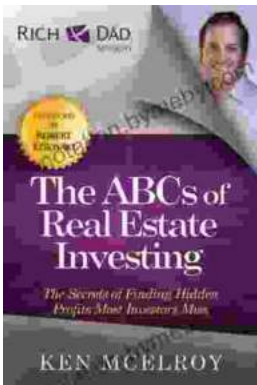
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