

CELEBRATING 100 YEARS OF INSULIN

1921

Insulin was discovered

Dr. Frederick Banting and Charles Best, discovered insulin when they reversed diabetes that had been induced in dogs with an extract from the pancreatic islet cells of healthy dogs

1922

Leonard Thompson received an insulin injection

14-year old Leonard Thompson is the first person with type 1 diabetes to receive an insulin injection

1923

Commercial launch of insulin

The world's first commercial insulin product became available for the treatment of diabetes and mass production began

1940's

Development of the "dip-and-read" urine test

1945

Tablets for testing urine glucose without heating launched

1949

The creation of the standardized insulin syringe

1955

Invention of the Palmer injector

1955

Insulin becomes the first protein to be fully sequenced

1963

Insulin becomes the first human protein to be chemically synthesized

1963

The first insulin pump is designed

1964

Blood glucose test strips are introduced

1966

First pancreas transplant

1970

Portable blood glucose meter is introduced

1978

Synthetic insulin produced

1978

Insulin is the first human protein to be manufactured through biotechnology

1979

Portable insulin pumps trialed

1990's

Significant advances in external insulin pump technology

1991

World Diabetes Day launched

In response to the rapid rise of diabetes around the world, the World Health Organization launched on November 14, the birthday of Frederick Banting

2005

Patient-use of Continuous Glucose Monitoring (CGM) is approved

2008

1st International Conference on Advanced Technologies & Treatments for Diabetes (ATTD), Prague, Czech Republic

2015

First algorithm for automated insulin delivery system was approved by the CE

2016

FDA approves first Artificial Pancreas System

1925

Home testing for sugar in urine was introduced

1930's

Slower acting insulins were developed

1936

Mechanism to prolong insulin duration discovered

1956

Oral medications became available

1959

Development of a reliable radioimmunoassay for direct measurement of circulating insulin levels, enabling new research into insulin-deficient versus insulin-insensitive diabetes

1960

Glucagon introduced to treat hypoglycemia

1974

Continuous glucose monitoring and insulin infusion available

1976

Wearable insulin pumps manufactured.

1977

HbA1c Test Developed

1981

The first microprocessor-controlled insulin pump is introduced

1982

Human Insulin Produced by Bacteria Approved

1982

Introduction of human insulin derived from rDNA

1985

First insulin injection pen delivery system is introduced to consumers

1993

Instant glucose tablets are introduced

1996

Fast-acting insulin is introduced

1999

Physician-use continuous glucose monitoring approved

2018-2022

Extensive studies are being held throughout the world to upgrade the artificial pancreas and develop automated clinical decision support systems (advisors)

2022

15th Anniversary of the International Conference on Advanced Technologies & Treatments for Diabetes (ATTD 2022), Barcelona & Online

Supported by

Lilly