

## Fresh Excogitation of Diabetes Treatment

The disease known as diabetes affects a majority of people in our world today. People within the 10 to 70 year age groups suffer from this disease. A decrease in the hormone known as insulin is the cause of diabetic disease. The pancreas of the body has certain cells which insulin is secreted by. When food is eaten it breaks into small particles called glucose, which is a sugar thereby giving the energy to the body. Glucose is helped by the insulin in moving into the body's cells. If the body does not secrete insulin, then it cannot move through the cells. This causes an increase in the content of sugar or the glucose and leads to diabetes disease.

There are several symptoms of the disease which include loss in weight, frequent urination, blurred vision, stress, irritation, Heart problems, Kidney failure etc. Diabetes is -also a genetic disorder but it is also caused by some factors like obesity, excess intake of sugar, increased cholesterol levels etc. Hypoglycemia and Hyperglycemia are the two conditions that arise due to Type-1 diabetes.

Hypoglycemia is the condition when the level of glucose becomes low in the blood whereas Hyperglycemia is the condition when the level of glucose becomes high in the body.

The treatment given to the diabetes patient requires him to take care of his diet, medication, exercising, control on stress and depression, kidney dialysis and transplant, etc. The level of glucose in the blood can be controlled with the help of a well-managed and a well-balanced diet with low cholesterol, low sugar and low fats including the green leafy vegetables etc. Type 1 diabetes is because of low level of insulin or ineffective use of it. Hence, insulin acts as a major drug for type 1 diabetes patients while exercising is also helpful in controlling the disease and increasing the responsiveness of the body to insulin which maintains the glucose level of the blood. If exercising and a healthy diet don't response in diabetes control then there are other medications as well which act as a major cure.

Treatment of diabetes includes insulin replacement. Different forms of insulin-replacement include single-dose, mixed-dose, split mixed dose and multiple dose. Insulin shots are injected in the skin underneath the fat so that it gets absorbed in the blood. Insulin pumps are available which a part of multiple-dose of insulin. Islet transplants, kidney transplants and pancreas transplants are also available these days as a means of treatment.

Scientists are developing a mode of treatment which is absolutely painless and is developed from stem-cell technology and will be available in a few years from now. This technology is being developed by injecting the human embryonic stem cells into mice. According to the scientists, the treatment will completely eliminate the use of insulin shots. About 1,30,000 people in Australia suffer from this disease and are using insulin shots on daily basis. And the newly developed stem-cells technology would prove to be a boon for such people. But it will take some more years for the technology to evolve.

## About the Author

Julia Hanf author of the book How To Play the Diabetes Diet Game and Win Through a real life crisis Julia figured out how to live diabetes free. Visit <http://www.yourdiabetescure.com> and learn more about your solution for diabetes.

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