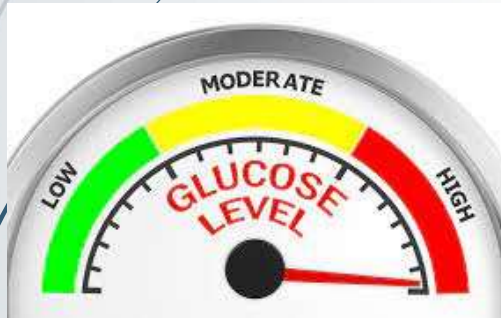




Artificial Pancreas System

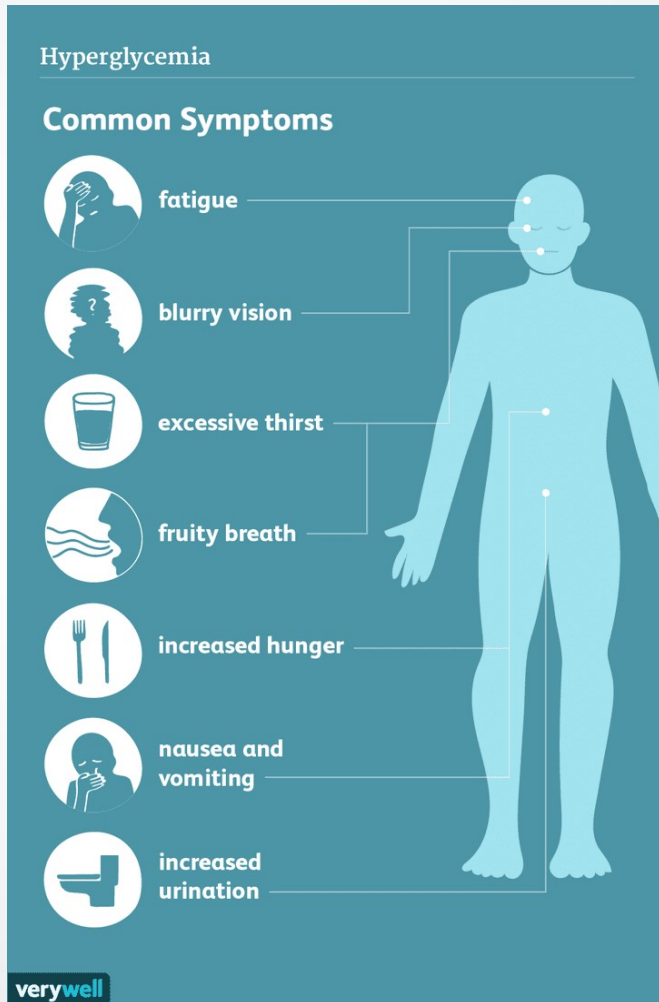
What is diabetes?

- High blood sugar level



Hyperglycemia

Common Symptoms

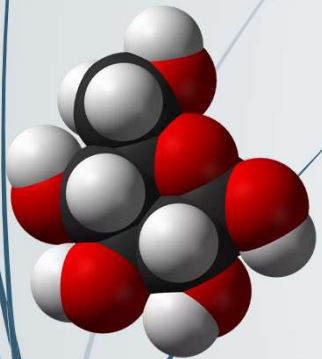


- fatigue
- blurry vision
- excessive thirst
- fruity breath
- increased hunger
- nausea and vomiting
- increased urination

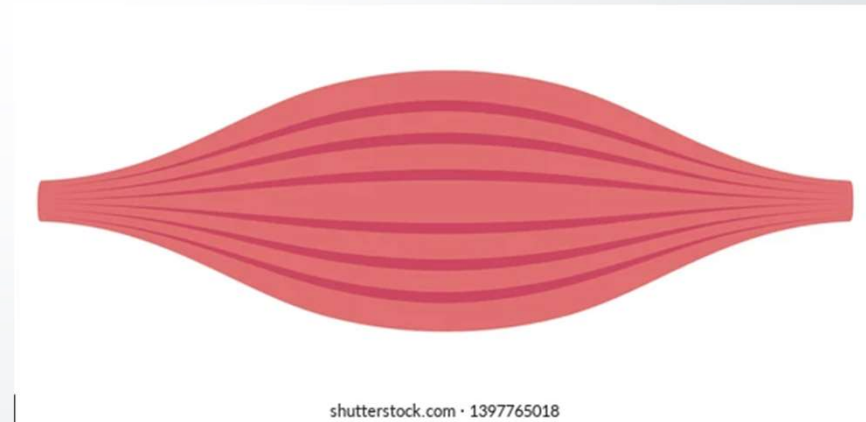
verywell

- Diabetic ketoacidosis
- Hyperosmolar Hyperglycemic State
- Death

Understanding diabetes



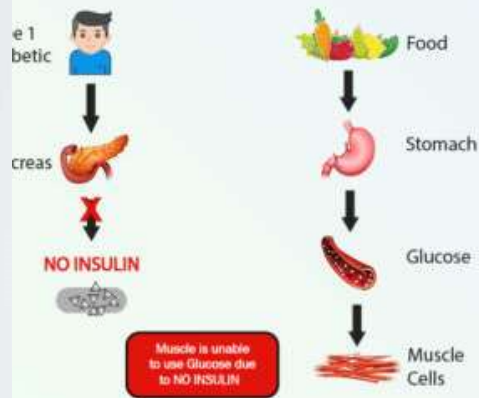
Glucose



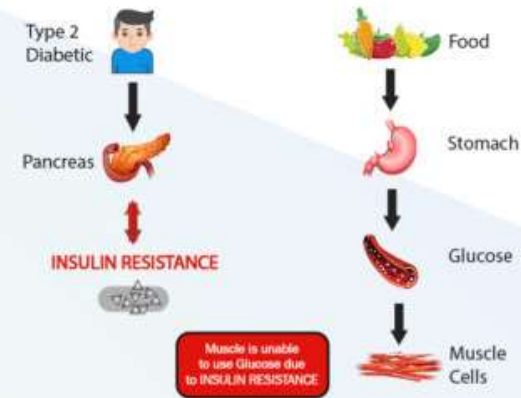
Muscles

TYPES of Diabetes

Diabetes Type 1



Diabetes Type 2



Gestational Diabetes

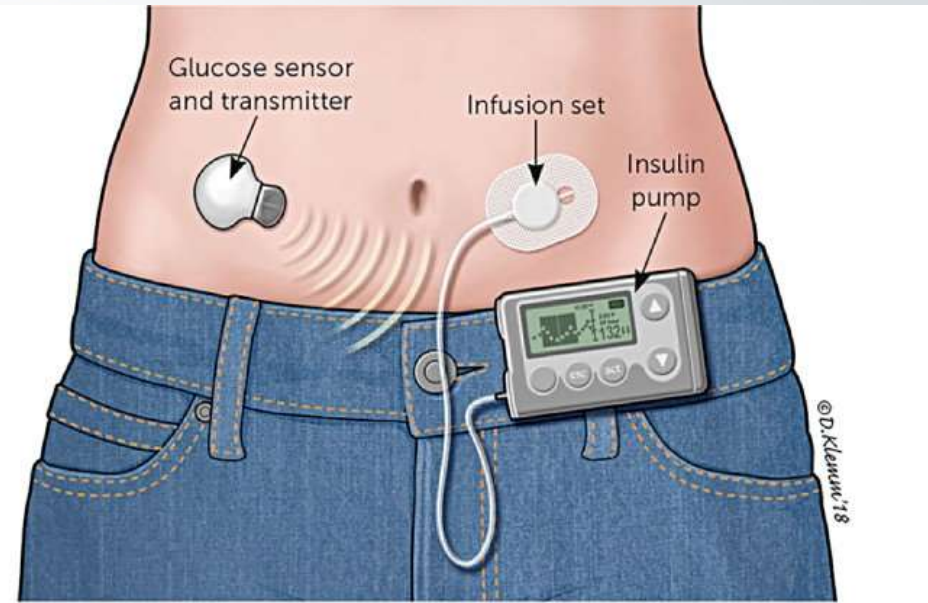


The different diabetes

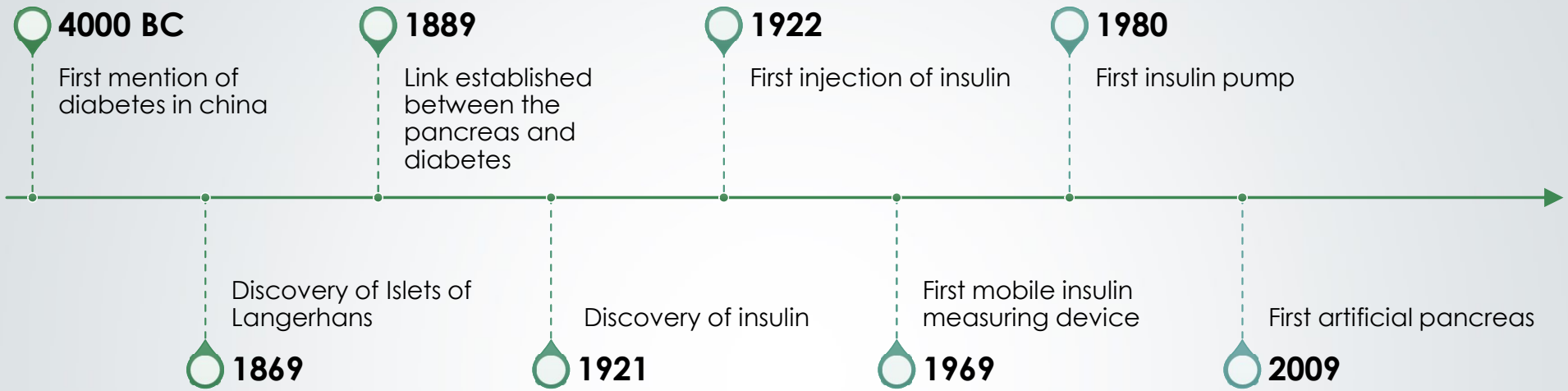
How to cure diabetes



Manual solution



Automated solution



Timeline



Life improvement

Laboratories solution

▶ Medtronic 670G

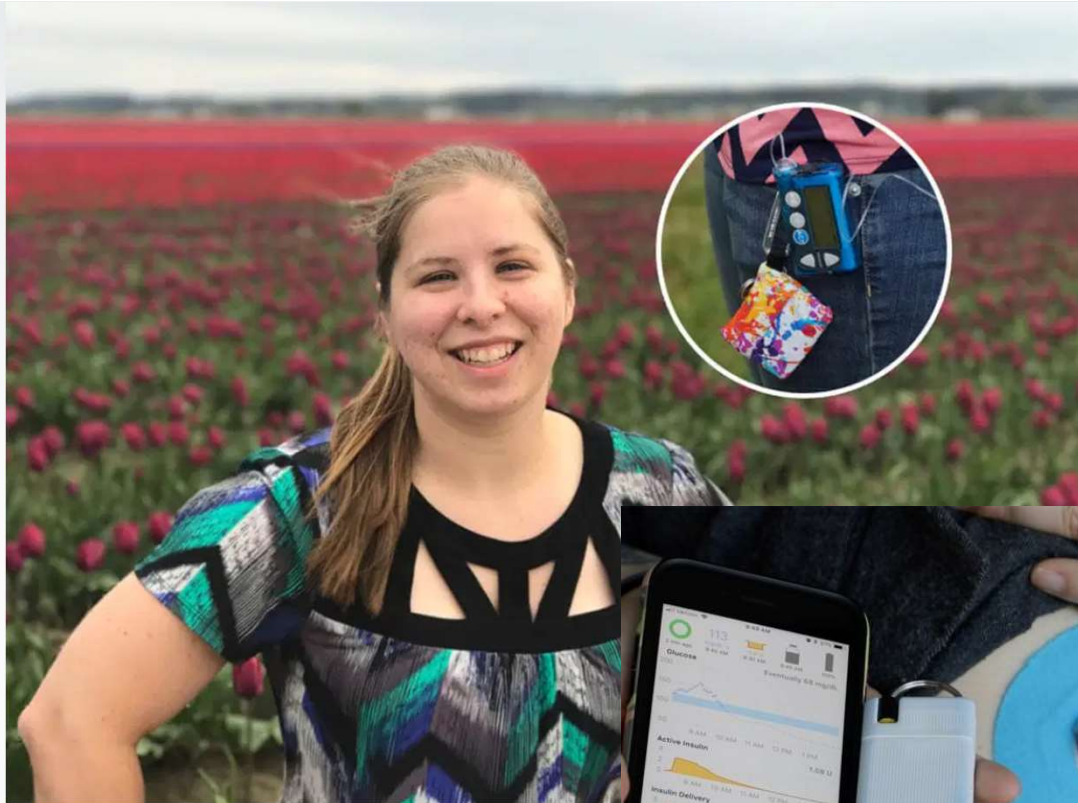
▶ 8000\$

approves first automated insulin delivery device for type 1 diabetes



Open APS

- ▶ Open-source artificial pancreas system
- ▶ Created by Dana Lewis in 2015
- ▶ Can be build with different hardware
- ▶ Need some computer skills
- ▶ Affordable ~200\$



Dana Lewis

