In compliance with the accrediting board policies, the American Diabetes Association requires the following disclosure to the participants:

- Jeremy Schmidt
- Disclosed no conflict of interest
One of the first glucose monitors.

Glucose monitor from 1984

Insulin Pumps
This is believed to be the first insulin pump.
Treatments for Type 2 Diabetes

OADs - Oral Antidiabetic Medicines
- Biguanides
- Sulfonyureas
- Meglitinides
- Thiazolidinediones
- DPP4 Inhibitors
- SGLT2 Inhibitors

GLP1 Inhibitors
- Twice a day (Byetta)
- Once a day (Victoza)
- Once a week (Trulicity and Bydureon)

Insulin
- Basal Insulin
- Rapid acting insulin
- Intermediate acting insulin
- Mixed insulins
- Mix of Insulin and GLP1 inhibitors
- Specialty insulins (U200) (U-500)
### Treatments for Type 2 Diabetes

#### Basal Insulins
- Toujeo
- Lantus
- Basaglar
- Tresiba
- Levemir

#### Intermediate Insulin
- NPH

#### Mixed Insulins
- Humalog 50/50 and 75/25
- Novolog 70/30
- Novolin 70/30
Treatments for Type 2 Diabetes

- Mix of insulin and GLP1 inhibitors
  - Soliqua
  - Xultophy

Treatments for Type 2 Diabetes

- Specialty Insulins
  - Humalog U200
  - Tresiba U200
  - Regular U500

Treatments for Type 2 Diabetes

- Rapid Acting Insulin
  - Humalog
  - Novolog
  - Apidra
  - FIASP
**Insulin Pens Today**

Vgo
A 24-hour patch pump that allows for both basal and meal dosing.

Tandem Tslim X2
- Allows software upgrading for free for any new features through the end of 2018

Tflex
- Largest capacity insulin pump
- Holds 480 units
Omnipod
Tubeless insulin pump

Medtronic
The most innovative insulin pump available today.

Inhaled Insulin

Current
**Libre**  
The first CGM without calibration

**Dexcom**  
Stand alone CGM or can be used with an insulin pump.

**Future of Diabetes Technology**

- The goal of glucose monitoring is to make the CGM even more accurate and more convenient for patient’s to use.
Smart Insulin Pens
Allows you to see how much insulin was delivered.

Smart Insulin Patches
Approximately 120 micro needles that release insulin as blood sugar increases

Needle Free CGM
Available in Europe
Tubeless Pump run by your phone

Artificial Pancreas

Future of Diabetes Technology

Artificial pancreas

- This technology is currently under investigation
- While it is not a cure it may be a wonderful fix for diabetes
Artificial Pancreas

Islet Cell Transplants

Encapsulated Insulin
Placed under the skin and releases insulin as blood sugar increases