



Diabetes Update 2019

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Summary: This presentation is a review of current treatment methods of type 1 diabetes including types of insulin and delivery systems.

Nursing Implications:

- Treatment for type 1 diabetes using the basal/bolus approach is recommended.
- Patient must be capable of insulin pump self-management.
- Closed loop delivery systems of insulin in patient care provide glucose monitoring and insulin delivery.
- Know your facility protocol for use of closed loop insulin delivery systems.

Key Takeaways:

- An insulin pump enables management of interactions between insulin delivery and blood glucose, carbs, exercise, stress, and hormones, with less effort.
- Changes in patient status may reflect alterations in function of insulin pump.
- Goals of treatment for HgbA1C, preprandial and postprandial capillary plasma glucose.

Link: <https://library.amsn.org/amsn/sessions/5193/view>

References:

Allen, N.& Gupta,A. (2019) *Current Diabetes Technology: Striving for the Artificial Pancreas*. Diagnostics 2019, 9, 31 doi:10.3390/diagnostics9010031

American Diabetes Association (2019) *Pharmacologic Approaches to Glycemic Treatment: Standards of Medical Care in Diabetes Care*. 42(Suppl. 1):S90-S102

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