Diabetes Technologies Insulin Pump and Sensors

D. JAMES BAILEY, II, M.D., F.A.C.E ENDOCRINOLOGY ASSOCIATES, INC. Diabetes Technologies – Glucose Sensors and Pumps

- Discuss features of available professional and personal CGMs and insulin pumps.
- 2. List components of CGMs and insulin pumps
- 3. Describe appropriate candidates for insulin pump therapy
- 4. Describe inpatient considerations for insulin pump therapy and CGMs

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Pump Candidates -People with diabetes who need insulin replacement

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Pump or CGM First?

Start with CGM

- Helps with fine tuning and insulin needs
- Then add pump



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Medtronic Guardian

- CareLink software to share data and updated plan

Sector

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Realistic Expectations

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- Blood sugars will be in target more frequently, but not perfect





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Insulin for Pumps Rapid Insulin FDA Approval Analogs preferred Lispro in pump 3 days U-200 Lispro can be used Aspart 6 days off label Gluiisine up to 2 days, Regular can be used, but pregnancy category C has delayed peak All have similar efficacy, U-500 off label, harder to consider cost manage postprandials

Diabetes Sucation

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