

Context-aware Insulin Pump Systems and Artificial Pancreases

Disclosure Number

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Technology Summary

The invention relates to sensor and more specifically to sensors for monitoring insulin pump systems. This invention enables one to improve the security and safety of electronic diabetes therapy systems by using contextual information of the patient's environment. We detect critical patient events and enable actions based on those events. These sensors could be new and separate components (or devices), but they could also augment current insulin pump system components (e.g., a smart device, a smart phone, a continuous blood glucose system, a continuous blood glucose sensor, a blood glucose monitor, pump, or an insertion site). This additionally provides improved forensic evidence of current (and potentially future) electronic diabetes therapy systems.

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