

## Computer-Aided Learning in Insulin Pump Training

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### Abstract

This technical report concerns a novel, computer-aided learning tool for patients with diabetes. The goal of the tool is to make training in the use of an insulin pump “painless,” practical, effective, and educationally rewarding. This learning tool (or application) is unique because it

- uses a virtual pump to facilitate learning and allow the patient to practice pump operation,
- presents training tasks in a standardized format, and
- provides corrective feedback to help patients better understand and manage their diabetes.

The application’s acceptability was surveyed by 126 health care professionals who are experienced in diabetes education and certified in pump training. Results suggest that use of Insulet’s OmniPod® Interactive Training is associated with increased training efficiency and promotes a positive attitude toward insulin pump therapy.

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**Abbreviations:** (CAL) computer-aided learning, (PDM) Personal Diabetes Manager, (training CD) OmniPod® Interactive Training application

**Keywords:** computer-aided learning, insulin pump training

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