The proposal of initial bolus calculator settings in Accu-Chek Combo system

ABSTRACT
Bolus calculator feature (BC) is one of the most important options of modern insulin pumps. It enables both periprandial as well as correction insulin dosing. BC function leads to improvement of patient’s metabolic control. It makes the treatment safer and limits the number of hypoglycemic episodes. In presented article we propose preliminary setting of BC in the Accu-Chek Combo system. It is obvious that those setting should be always verified according to a clinical situation. (Clin Diabet 2015; 4, 6: 251–253)

Key words: diabetes, insulin pump, bolus calculator

For the doctor, BC is a valuable tool for accurate analysis of therapeutic actions taken by the patient [2, 3, 8].

Personal insulin pump Accu-Chek Combo has a modern system of Bolus Advisor which allows the user to customize its settings [3, 5, 6, 8]. Proper use of BC can be based on the following principles:
- BC should be programmed and activated along with setting a patient on a pump for the first time;
- the patient must be clearly informed of the fact that the initial, empirical BC settings may prove suboptimal for him;
- the first verification of the BC settings should take place shortly after activation of this function (optimally within the first 1–2 weeks after connecting IP). Only after analysis of data from a personal insulin pump and possible modification of presets, the suggestions from BC may be for the patient each time a reliable basis for making decisions about meal/corrective dose of insulin [1, 3, 6].

The patient must be advised that in certain clinical situations he may not agree with a dose of insulin proposed by BC and change it.

Analysis of the pump and record data from the meter should be based on data read from devices using a dedicated computer program.

It should be emphasized that the bolus calculator settings in individual personal insulin pumps are based on different, specific to a particular manufacturer algorithms. Therefore, each time there is a change of IP, the BC settings must be re-evaluated, based on the algorithm used in patient’s new device.

Below (Table 1) we present a proposal for the initial setup of the BC in Accu-Chek Combo system. These recommendations can serve as a starting point for the...
implementation of the BC functions. However, please do not treat these proposals doctrinally, as they may be modified in appropriate clinical situations.

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**REFERENCES**


