



Insulin Pump 胰島素幫浦(英文)

Insulin pump gradually and continuously injects insulin into the body through the pump and soft tube so that insulin can be absorbed by the body with stability under subcutaneous tissue, thereby better control blood sugar. Insulin pump controls blood sugar value through two infusion methods. These two methods include 24-hour continuous and small basal quantity, and the additional quantity given before meal dine or during high blood pressure.

Due to the features of pump infusion, patients could readily adjust the infusion amount for insulin and thereby stabilize the fluctuation of blood sugar value. On one hand, blood sugar is better controlled while on the other hand prevent low blood sugar.

Moreover, insulin pump can relieve the pain for multiple injections a day so that patients will have more flexible meal time and free and flexible lifestyles. The injection method also complies with normal insulin secretion released by normal human body.

For patients having difficulty to control blood sugar, Type 1 diabetes patient, young people or maternity woman, patients with frequent low blood sugar, or diabetes patient with non-routine life, are another proper treatment choice.

How is pump used to control the blood sugar of patients?

The pump controls the blood sugar of patients through two infusion methods; one is the 24-hour continuous and small basal quantity that can adjust according to the different requirement during daytime work and nighttime sleep. Those with low blood sugar can adjust and supply the human body with a day of basic requirement and will not cause Ketoacidosis when not injected.

Patients often run the risk of unstable blood sugar when regular meals could not be supplied. The additional amount administered before meal or at high blood sugar can avoid the trouble with two injections a day.

The pump body is the same as the caller, which draws the insulin into the special burette while the connecting tube of the burette and the soft needle are placed into the pump. The operation of dosage adjustment will be much more convenient than that of injection syringe.

Patients with fear shots may be interested in the pump that only gives one shot in every 3 day. Users only need to inject the needle into the subcutaneous tissue and draw out the hard needle to leave the soft needle inside the subcutaneous tissue.

From then on, the insulin will be injected to the body through this soft needle and the patient will only need to change the soft needle and tube set in every 3 days. The insulin infusion area

can be carried out on the abdomen, arms, outside side of the thigh, or the hip.

The pump administers insulin similar to the insulin secretion by normal pancreas. Due to the use of short-term or fast insulin, the insulin under subcutaneous tissue can be effectively and stably absorbed by the body without depositing under the subcutaneous tissue while the blood sugar can be more easily controlled and stabilized.

Common cases of reason for installing insulin pumps

The average reasons for cases to install the pump include the follows:

- Poor blood sugar control.
- Failure to control fixed amount of diet and time.
- Get married and have children.
- Frequent occurrence of low blood sugar without early perception of low blood sugar.
- Complications.
- Against multiple injections.
- Desire to improve living quality.

In these installation cases, we discover that some cases will have the best learning ability when they have the strongest motives to actively control blood sugar. Meanwhile, the patients will show significant progress regardless in diet control or the self-monitoring of blood sugar. Moreover, we also discover that since insulin pump must be paid at own expense and the national health insurance does not reimburse, the cases will control their blood sugar with more attention. It is our pleasure for our medical team to have observed significant progress in all cases.

若有任何疑問 · 請不吝與我們聯絡
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