

Digital Painless Automatic Syringe

i-JECT



i-JECT dedicated needle	Conventional existing needle
Setting time for i-JECT dedicated needle: 1.3sec.	Setting time for conventional needle : 4sec.

Competitiveness of i-JECT dedicated needle, 4 times faster in the needle setting

1
4 times faster clamping speed than conventional needle.

2
Eliminates needle thread damage caused by multiple turns

3
Eliminates the risk of infection from needle puncture by removing the needle with single-turn.



i-JECT dedicated needle standard

31G 12mm(EX.short)-special	PACK	1	\$ 16.00
30G 12mm(EX.short)	"	1	\$ 8.00
30G 21mm(Short)	"	1	\$ 8.00
30G 25mm(Long)	"	1	\$ 8.00
27G 21mm(Short)	"	1	\$ 8.00
27G 25mm(Long)	"	1	\$ 8.00



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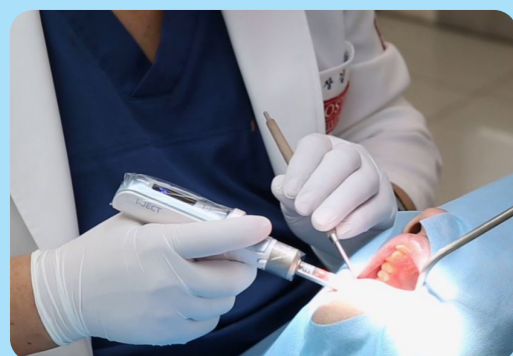




Digital painless anesthetic syringe i-JECT for local anesthesia based on pain relief algorithm

We have studied the clinical application of anesthetic injections in hospitals for more than 10 years.

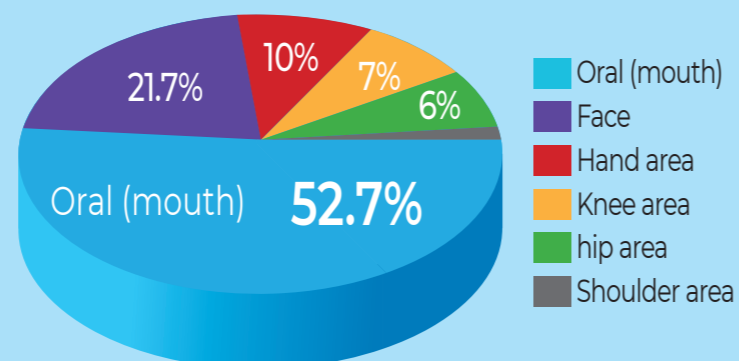
i-JECT was created through joint research and development with medical device R & BD platform at Seoul National University Dental Hospital, of which ergonomic design and the state-of-the-art patented technology will help you with painless anesthesia procedures.



'i-JECT' Example of clinical use

What was the most painful part of the anesthesia procedure?

52.7% of patients in the hospital reported the most severe dental anesthesia.

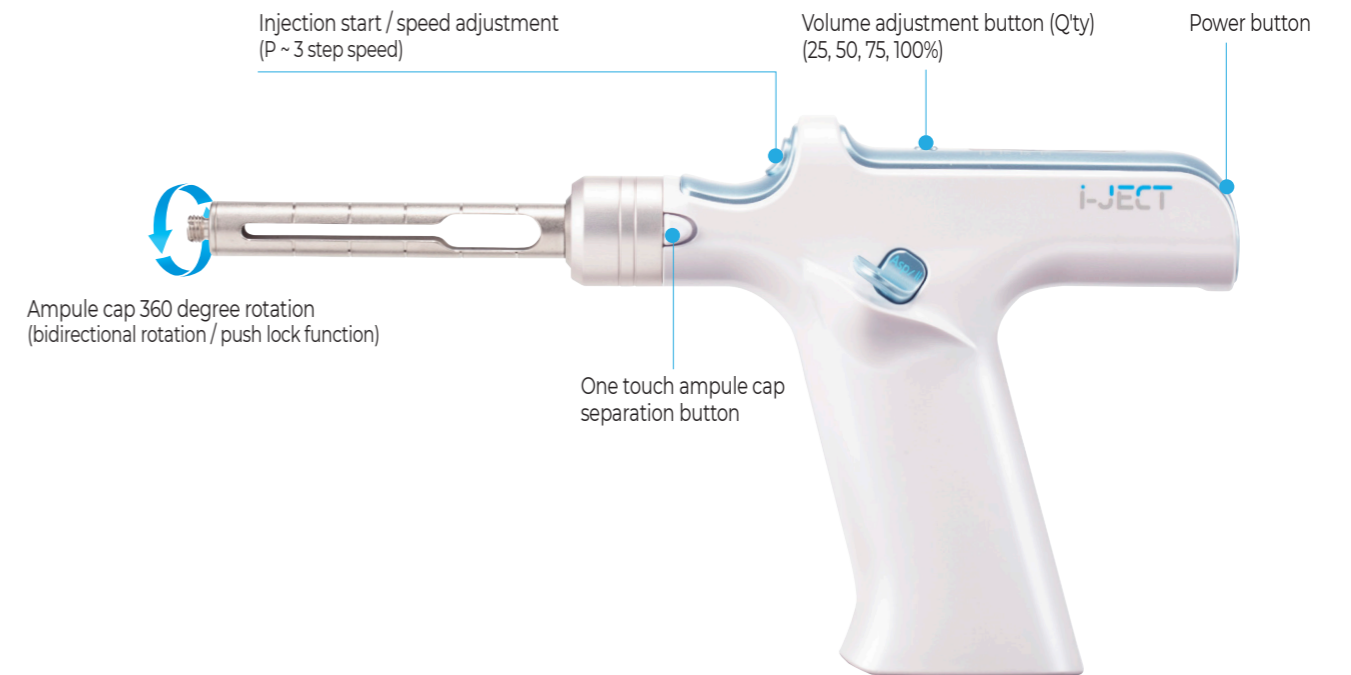


- Diarrhythmiformes : Consumer Survey on Hospital Anesthesia Injections
- Investigating Organization: Open survey panel
- Survey period : 2020. 03. 20 ~ 03. 20
- respondents: total 300



Digital painless anesthesia syringe for doctors and patients

i-JECT



85% similar grip feeling with conventional manual syringe

i-JECT has developed a grip with the same design as a conventional hand-held syringe for doctors' easy use.



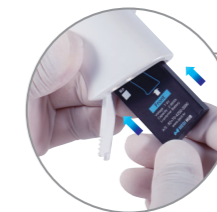
Standing picture, conventional manual syringe

Picture of i-JECT grip

Sterile metal cap (Stainless steel) is provided as standard to reduce the cost of consumables

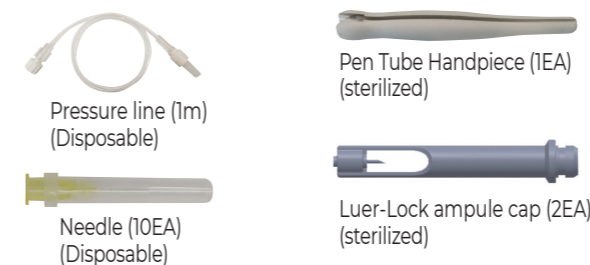


Metal ampule cap provided
(sterilization function) / Option: plastic ampule cap



Convenient battery removal
(2 batteries included)

Pen type Accessories



Use hygienic vinyl cover

'i-JECT' can be used all areas of local anesthesia



Care for the patient begins with an unpainful anesthetic injection.

i-JECT is more effective for these patients.

- Patients in fear of anesthesia
- Patients seeking painless anesthesia
- Patients with hypertension / inflammation
- First Visit / Female Patients

- Relievs fear of anesthetic injection
- Effective Anesthesia
- Pain reduction
- Improved hospital satisfaction

Relieves fear of anesthetic injection

Fast anesthesia effect

Improving hospital image

Safe Quantitative Anesthesia Effect

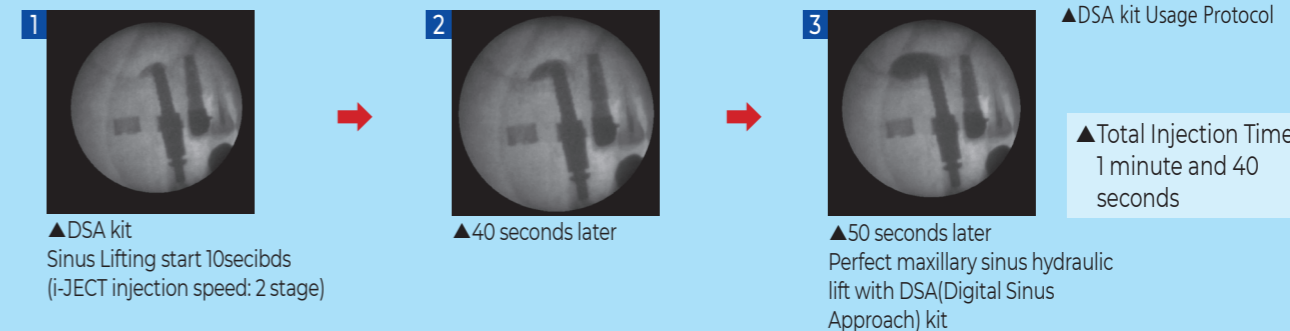
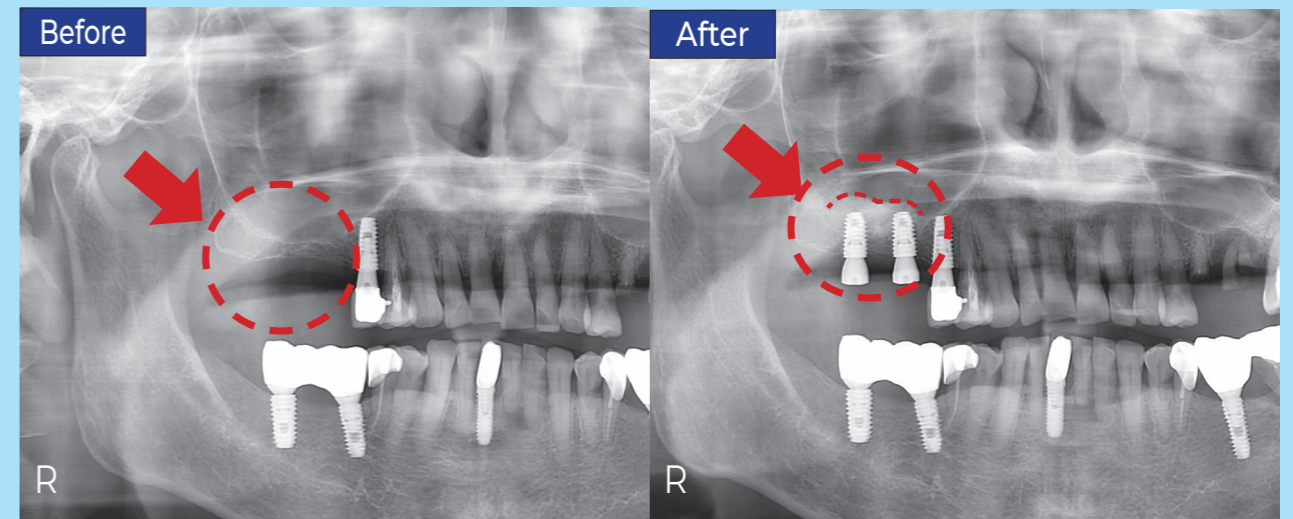
Psychological Placebo Effect in Patients

DIGITAL SINUS APPROACH(DSA)

Safety : Safely perform hydraulic lift with the function of precision constant saline solution injection without damage to maxillary membrane.

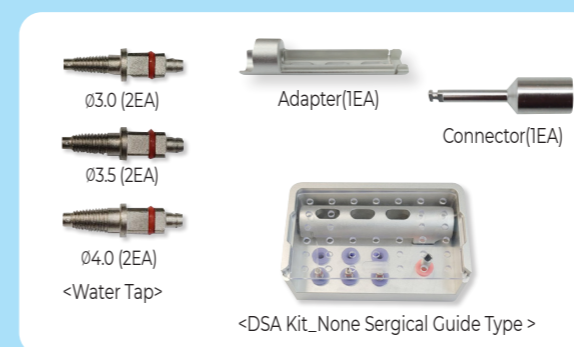
Convenience : Digital automatic injection function by pressing a button rather than a conventional unstable manual injection method.

DSA clinical treatment using i-JECT (Digital Sinus Approach)



DSA kit Usage Protocol

Stage 1	Use 'Crestal Approach kit' and open the maxillary(less than 1mm) to be implanted.
Stage 2	Fully open the maxillary(more than 1mm) to be implanted by Water Tip to 50 rpm(implant placement mode).
Stage 3	Connect silicon tube at the bottom of Water Tip. (Before the connection, make sure that the silicon tube is filled with saline solution)
Stage 4	Press the Start Button and inject saline solution at 2nd Speed Stage.
Stage 5	1 minute 40 seconds later, complete maxillary membrane lifting with an injection of approximately 3ml of capacity. (No.6 and No.7 teeth simultaneous implant space can be secured with an injection of approximately 3ml of capacity)



▲DSA kit(Non Surgical Guide) <Component>



View clinical procedure video

