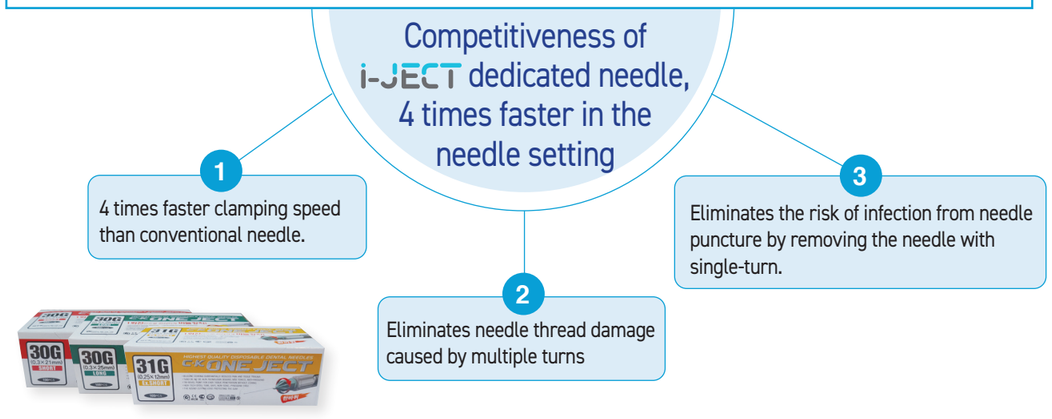
Digital Painless Automatic Syringe

i-JECT



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

❶ Video for using i-JECT
i-JECT

❷ Install i-JECT App
i-JECT

DentalABC | SNUDH Platform for Dental Instrumentation

MEDI HUB Inc.

MEDI HUB Inc.

Inquiry ☎ +82 70 4250 3990

Head Office : (15808) #108, SA Tower, 175, LS-ro, Gunpo-si, Gyeonggi-do, Republic of Korea

Factory : (15808) # 201, SA Tower, 175, LS-ro, Gunpo-si, Gyeonggi-do, Republic of Korea

T. + 82 70 4250 3990 / **F.** + 82 505 365 6126

Email : maro@iject.kr / tenmaro0775@gmail.com

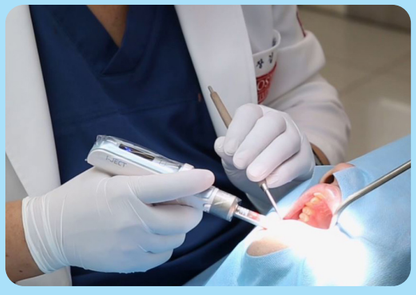
Website : www.medihub.co.kr
www.iject.kr

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.

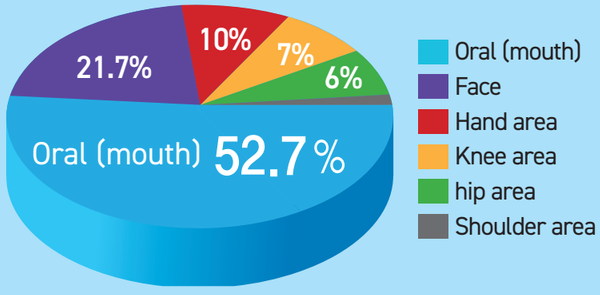
i -JECT was created through joint research and development with medical device R & BD platform at Seoul National University Dental Hospital, of which ergonomic design and the state-of-the-art patented technology will help you with painless anesthesia procedures.



'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.

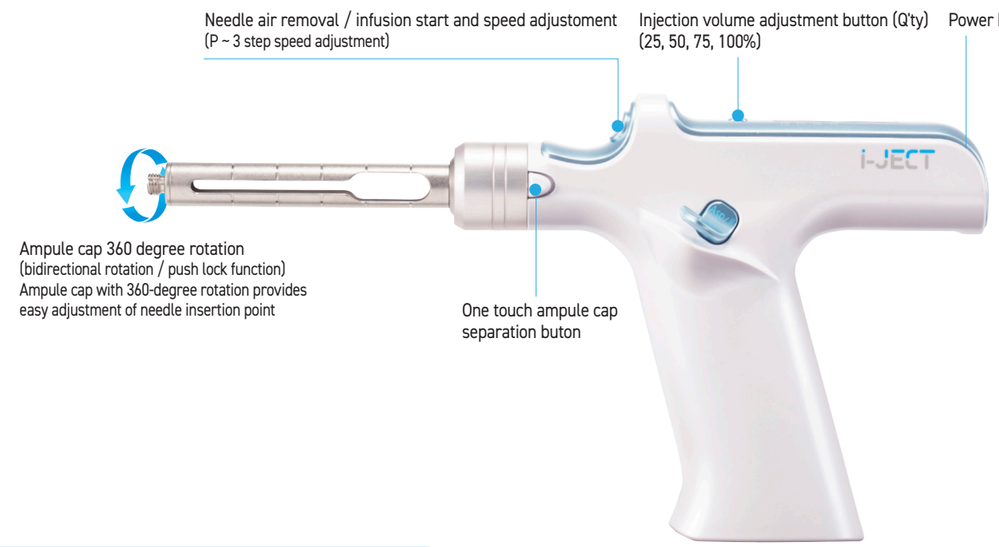


–Diarrhythmiformes : Consumer Survey on Hospital Anesthesia Injections
–Investigating Organization: Open survey panel
–Survey period : 2020. 03. 20 ~ 03. 20
–respondents: total 300

DentalABC | SNUDH Platform for Dental Instrumentation MEDI HUB

Digital painless anesthesia system 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

Pen type Accessories

Pressure line (1m)
(Disposable)

Pen Tube Handpiece (1EA)
(sterilized)

Needle (10EA)
(Disposable)

Luer-Lock ampule cap (2EA)
(sterilized)

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)

Use hygienic vinyl cover

01 Why is i-JECT superior to conventional local anesthesia?

i-JECT is the first Gun type ergonomic design in Korea that allows you to lightly hold the needle and concentrate only the movement of the needle. So, it is convenient because the needle is slowly injected into the mucous membrane and the anesthetic is injected constantly regardless of the density of the tissue. Weak pressure on the mucous membranes and high pressures on hard tissues can relieve pain by maintaining a constant pressure on any tissue. i-JECT's mouth insert (Ampule cap) is made in the same size as the existing metal syringe, so it is easy to secure the field of vision so that you can inject the correct part.

02 Time Analysis during Anesthesia (COMPUTER CONTROL)

The injection speed can be adjusted in 1 ~ 3 steps, and in 1 ~ 2 steps, the anesthetic is auto-injected using the precision motor with the injection pressure and the injection volume within the range where the patient does not feel anesthesia injection pain.
i-JECT produces anesthesia more quickly than conventional anesthesia procedures, which reduces the total time required for anesthesia compared to injection time, reducing chair time.

Upper left 2nd premolar~ right2nd premolar

	Conventional method	i-JECT
Number of injections	6~8 times	2~3 times

Mandibular delivery anesthesia

	Conventional method	i-JECT
Injection time	20~120 sec	45~60 sec
Anesthesia effect	10 minutes	3~5 minutes
Total time	10 min.20sec.~12 min.	3min.45sec.~ 6 min.

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

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

Improving hospital image

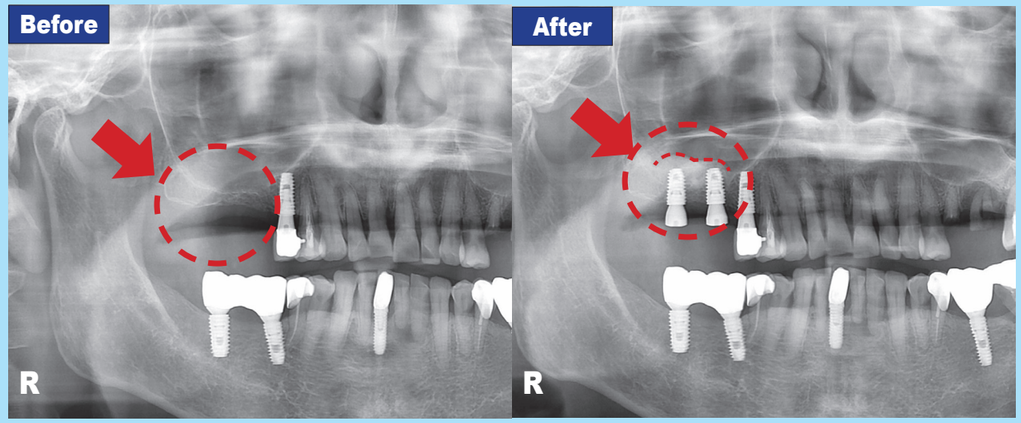
- Relieves fear of anesthetic injection
- Fast anesthesia effect
- Safe Quantitative Anesthesia Effect
- Psychological Placebo Effect in Patients

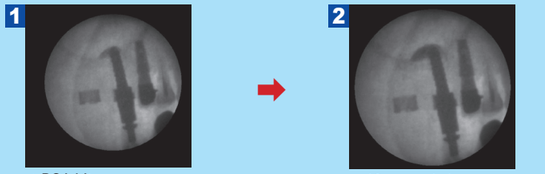
i-JECT DSA

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
Sinus Lifting start 10secibds
(i-JECT injection speed: 2 stage)

▲40 seconds later

▲50 seconds later
Perfect maxillary sinus hydraulic lift with DSA(Digital Sinus Approach) kit

▲DSA kit Usage Protocol

▲Total Injection Time 1 minute and 40 seconds

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(None Sergical Guide) <Component>

i-JECT DSA ◀View clinical procedure video