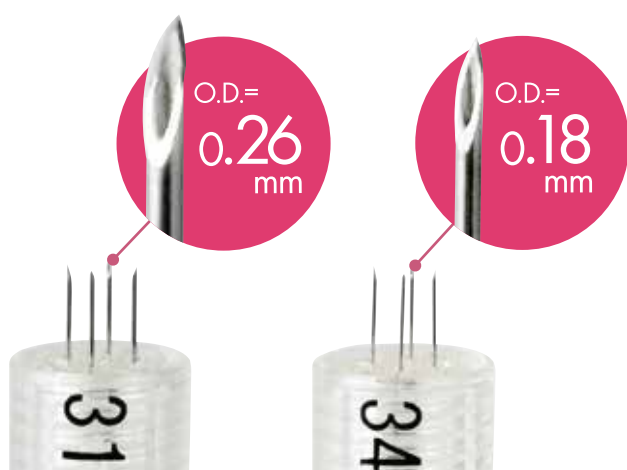


Quatron®

CE 0344



High quality needles, crafted with precision under
ISO 13485 quality control.



LENGTH
ADJUSTABLE
MULTI
NEEDLE



Made in Japan



Quatron is designed to realize stable and comfortable injectable treatments for doctors and patients. The innovative multi-needle allows safer and quicker injections when broader extent need to be treated, leading to efficient and satisfactory treatments.



► FEATURERS

- Four points injection at one time
- High quality fine needles of 31 and 34G
- Perpendicular Insertion
- Needle length adjustable up to 4mm

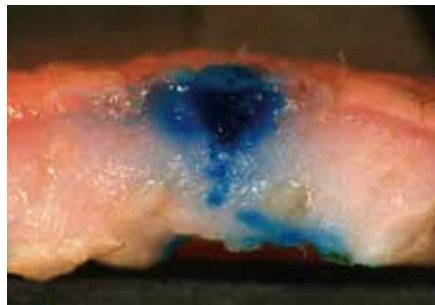
► BENEFITS

- Less invasive, less treatment time and less downtime
- Shallow and broad injectables delivery
- Easy change of needle length according to patients and applied area

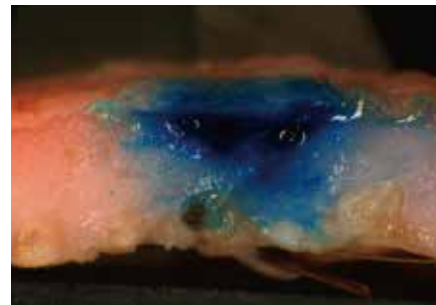
► Why Quatron makes injection more efficient?

1. Less Pricks to Cover Injection Site

Cross-section of swine skin after fluid injection. Quatron delivers fluids to broader area.



Conventional single needle



Quatron

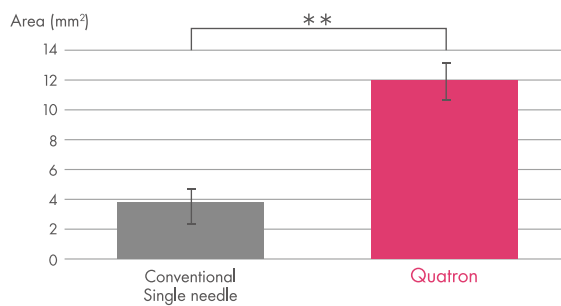


FIGURE 1: Quatron enlarged fluid delivery area (in-house test)
Comparison of the areas of fluid diffusion in swine skin

Quatron 34G showed broader diffusion width than conventional 34G single needles. (t-test, **: $p < 0.01$, $n = 10$)

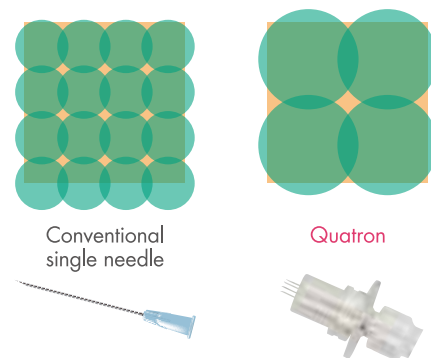
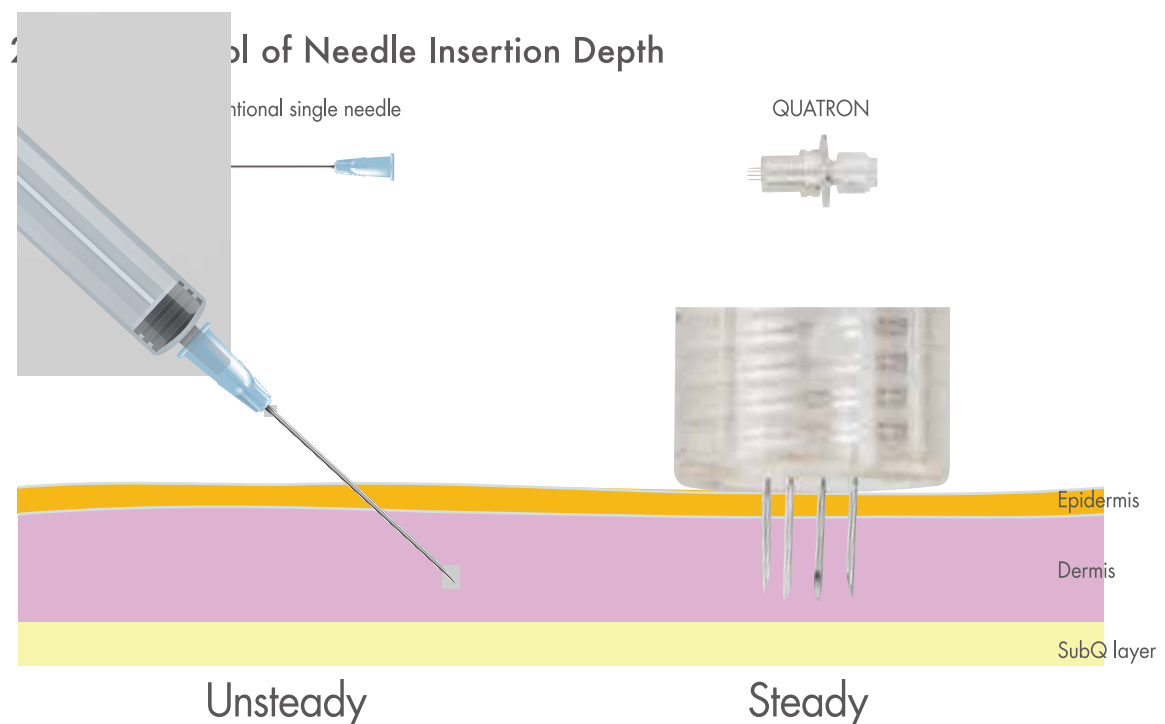


FIGURE 2: Comparison of fluid delivered area
16 points injection vs. 4 points injection



3. Less Extrusion Force

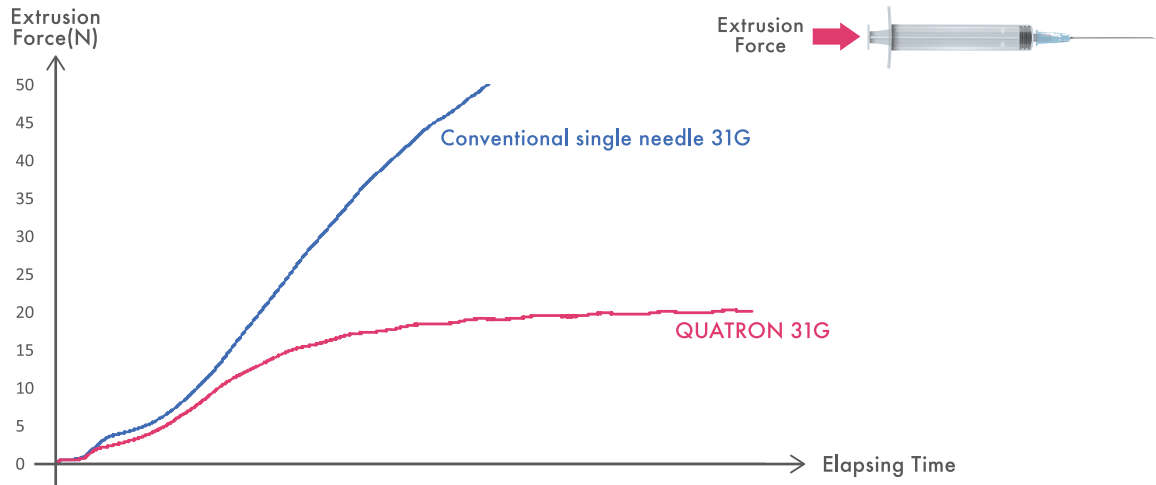


FIGURE 3: Comparison of extrusion force

The extrusion force was compared between 31G Quatron and 31G conventional single needle connected with 1 mL syringe, filled with hyaluronic acid of 12,430 mPa-s. The plunger was pressed at the speed of 21 μ L/min. (In-house Test)

POTENTIAL APPLICATIONS

> Aesthetic procedures

- └ Mesotherapy
- └ PRP
- └ Injection for hair loss treatment

> Dermatology, Plastic Surgery

- └ Steroid injection for hypertrophic scar/keloid
- └ Botulinum toxin injection for hyperhidrosis
- └ Steroid injection for alopecia areata

> Others

- └ Local anesthesia

PRODUCT RANGE

	Gauge (O.D.)	Length	Package
NQ-1	31G (0.26mm)	Adjustable up to 4mm	10 pcs
NQ-2	34G (0.18mm)		

Manufactured by:



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