



CLINICAL STUDY: ABSORPTION EFFICIENCY

Synerjet (Synerjet) Human Application Test Results Report:
Evaluation of Skin Absorption Efficiency After a Single Synerjet Treatment

Test Institution	Human Dermatology Clinical Trial Center Co., Ltd.
Test Date	May 15, 2025
Evaluation Parameter	Improvement in Skin Absorption
Number of Participants	3 individuals

ABSORPTION:

**MICROJETTING
ONLY**

VS.

ABSORPTION:

**TRIPLE
SYNERGY**

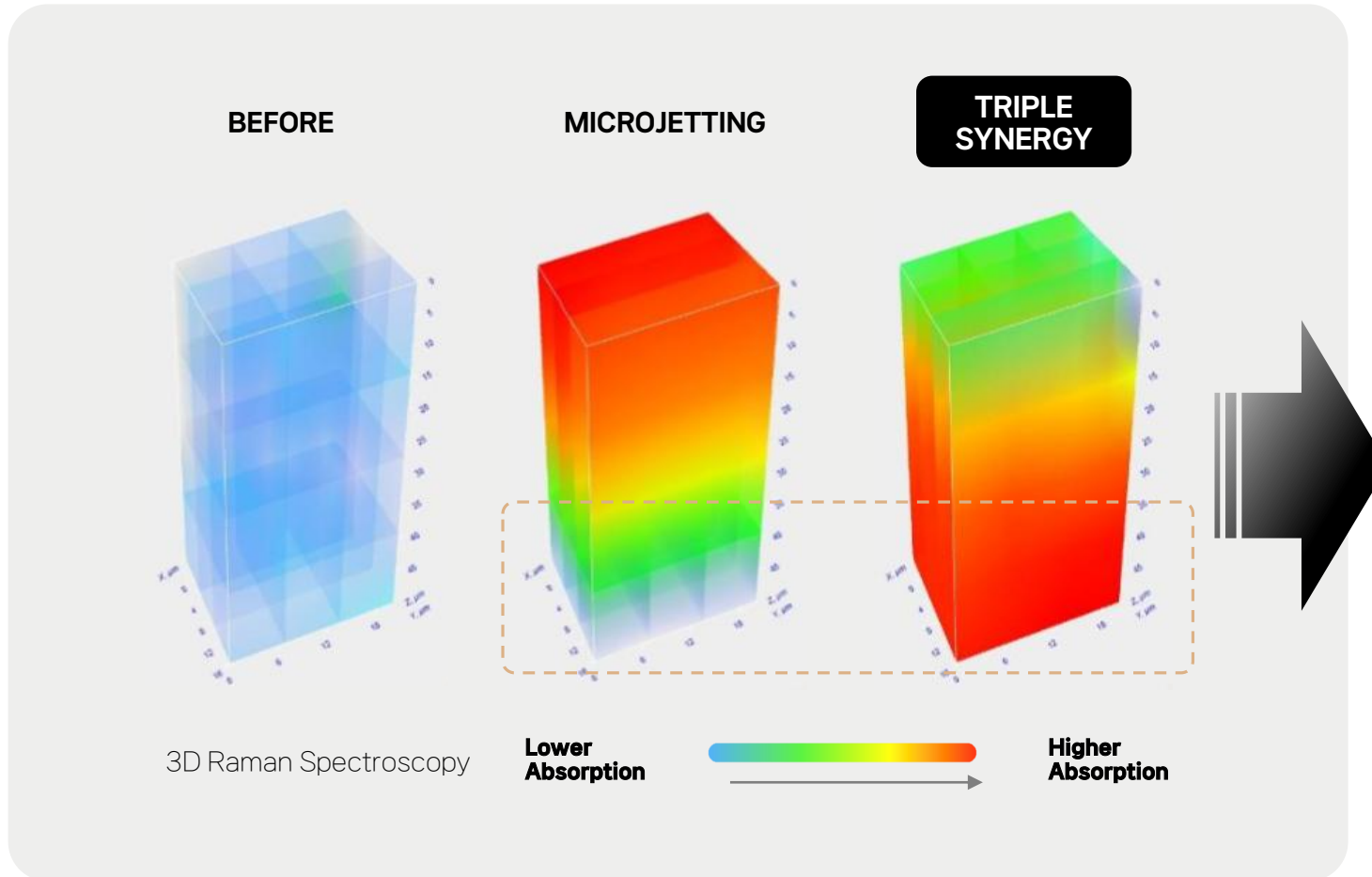
MICROJETTING +
ELECTROPORATION
PLASMA



STUDY DESIGN

CONTROL	Microjetting Alone
TREATMENT	Triple Synergy (Microjetting + Electroporation + Plasma)
PROTOCOL	PS PLASMA 2 Pass MODE Continuous POWER 2–3 ON Time 0.5 sec Repetition 0.5 sec SJ SYNERJETTING Power 150 Hz 10 Volume 2.0 EP Tip 10 mm EP Level 2–3
PRODUCT	PCL (injectable collagen stimulator Polycaprolactone, GOURI, South Korea)
MEASUREMENTS	Absorption amount (A.U.) Absorption depth (μm) Absorption rate (μm/h)
METHOD	3D Raman Spectroscopy (Tokyo Instruments, Inc., Japan)
SUBJECTS	3 Participants

RESULTS



+14%

Absorption
volume (A.U.)
increase

+370%

Absorption
depth (μm)
increase

+370%

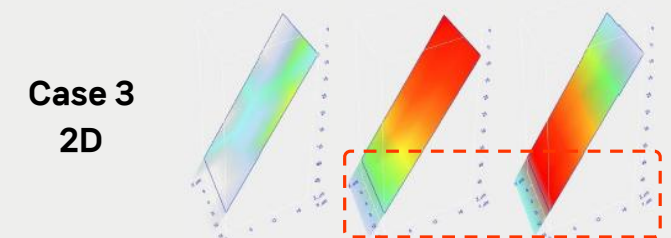
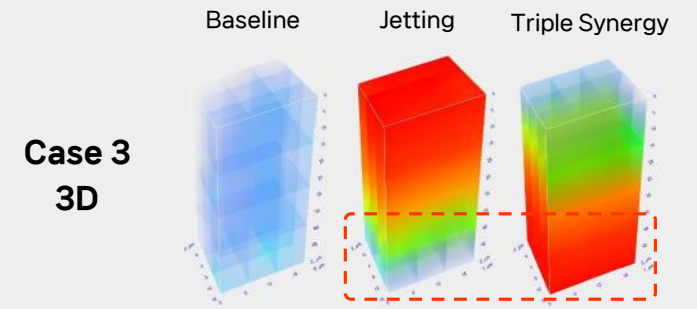
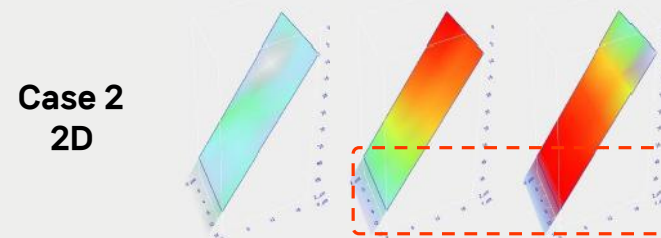
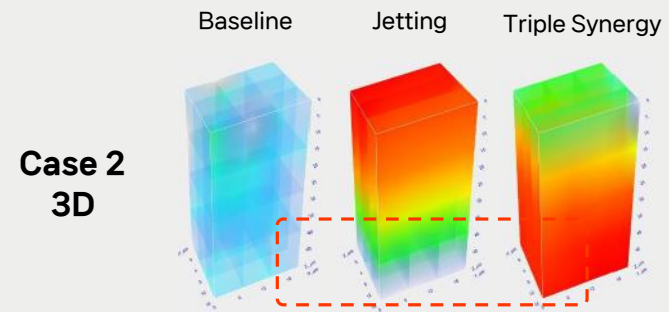
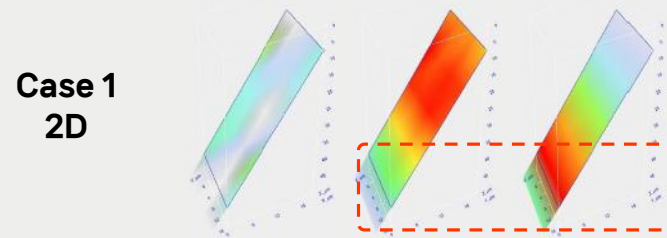
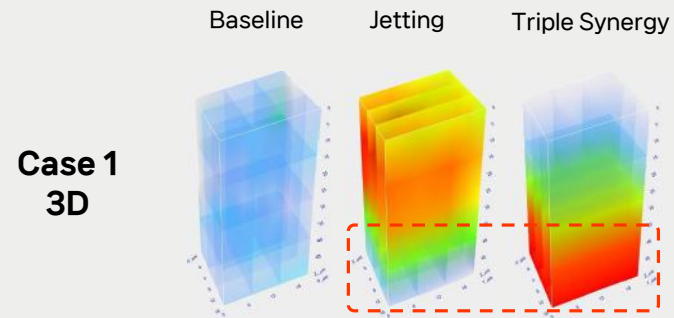
Absorption
speed ($\mu\text{m}/\text{h}$)
increase

MICROJETTING,
ELECTROPORATION
AND PLASMA

**TRIPLE SYNERGY = x4.7 FASTER,
x4.7 DEEPER,
14% BETTER**

ABSORPTION, COMPARED
TO MICROJETTING ONLY

MORE CASES



3D Raman Spectroscopy

Lower Absorption



Higher Absorption



THANK YOU

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