

EXCELOS inject

Pure β -tricalcium phosphate
beads mixed with bio - degradable hydrogel

Resorbable

Injectable

Moldable

Mixable



DAEWOONG



BioALPHA



ExcelOS Inject is composed of β -TCP beads and bio-degradable hydrogel



• Characteristics

01. Optimal Remodeling - Resorbable



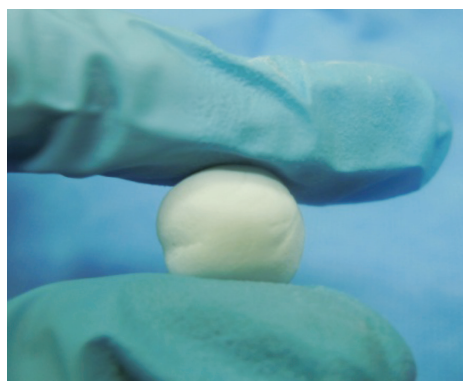
- Resorbed and replaced with bone during new bone formation
- **β -TCP Beads (45~75 μ m)** can permeate into cancellous bone without being absorbed by macrophage

02. Easy to Apply - Injectable



- The synthetic hydrogel provides injectability
- Suitable for filling bony voids or gaps
- Ideal for minimal invasive surgery

03. Complete Cohesion - Moldable & Mixable

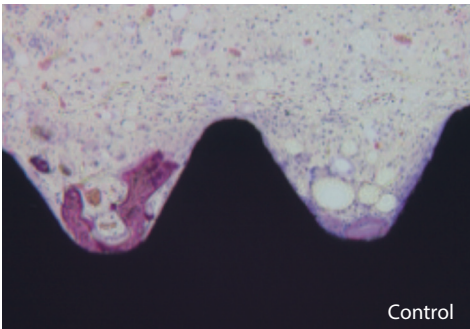


- High elasticity and viscosity provides Moldable and Mixable characteristic
- Add osteo-inductivity potential with autograft

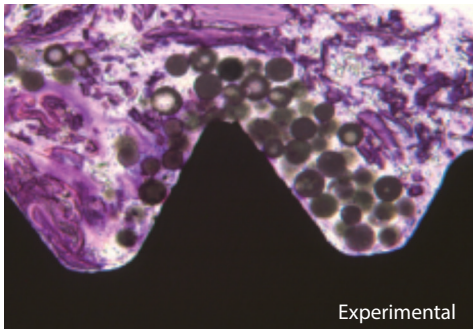
• In-vivo results

Enhanced Stability - New bone formation capacity

- Enhanced quality of bone formation
- New bone formation surrounds screw thread
- Tighter binding with fixation hardware implants



Control



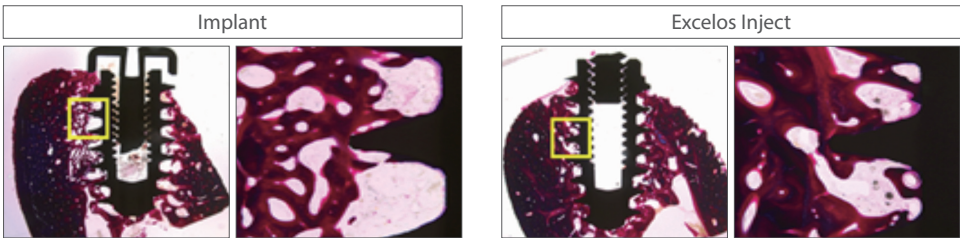
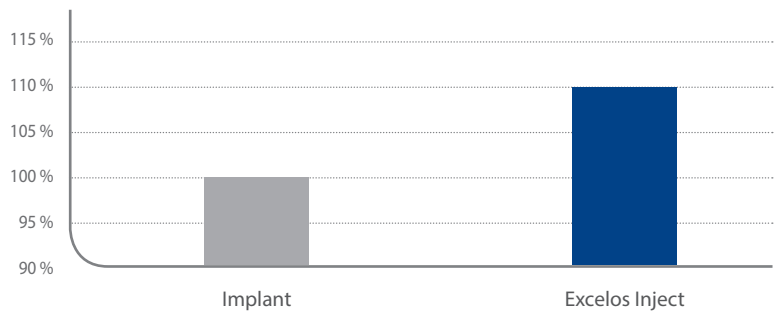
Experimental

- Rabbit tibia implant model (4 weeks)
 - Control group : Implant only
 - Experimental group : Implant and ExcelOS inject

Percentage of new bone formation(%)	
Control group	Experimental group
8.48	41.10

* Statistically significant : p <0.05

Screw Removal Torque



- Adult dog Implant Model : 6Weeks
 - Control group : Implant only
 - Experimental group : Implant and ExcelOS Inject

Comparison of screw removal torque test	
Group	Increment (%)
Implant only	Control
ExcelOS Inject	10.80 %

• Indication

ExcelOS Inject is indicated for filling bony voids or gaps of the skeletal system

- Extremities
- Spine
- Pelvis
- Cranium
- Intraoral/maxillofacial

• Product information

Ref. #	Description	Weight	Volume	Tip length
IEXT0030	ExcelOS Inject, 0.45g/0.30mL, Tip	0.45 g	0.3 mL	10 mm, 45°
IEXT0050	ExcelOS Inject, 0.75g/0.50mL, Tip	0.75 g	0.5 mL	10 mm, 45°
IEXT0100	ExcelOS Inject, 1.5g/1.00mL, Tip	1.5 g	1 mL	10 mm, 45°
IEXT0300	ExcelOS Inject, 4.5g/3.00mL, Tip	4.5 g	3 mL	40 mm
IEXT0500	ExcelOS Inject, 7.5g/5.00mL, Tip	7.5 g	5 mL	40 mm



ExcelOS Inject Syringe



Short / Long Tip