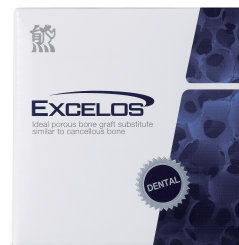




Absorbable synthetic bone graft substitute

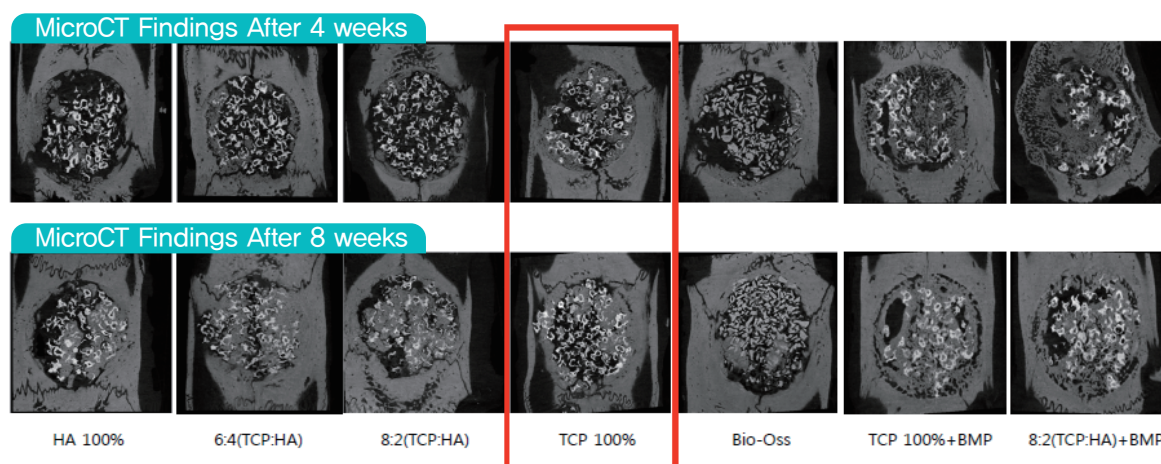
Characteristics

1. 100% β -TCP which is proven to be biocompatible by clinical trial
Comply with ASTM F1088-04 "Standard specification for β -Tricalcium phosphate for surgical implantation"
2. Advanced 3 Dimensional interconnected pore structure
Average macro-porosity: 80%, pore size: 100 ~ 300um
3. Faster absorption and biodegrade rate than Conventional HA



In vivo Efficacy*

The effect of 100% β -TCP(Excellos) on bone regeneration in rat calvarial defect model



8 weeks	BIO-Oss	100% HA	6:4 (TCP:HA)	8:2 (TCP:HA)	100% TCP
New bone formation ratio(%)	14.47	27.58	27.98	23.08	25.08
Bone formation Ability compare to Bio-Oss(%)	100	190	144	159	173

There are more new bone formation than bovine derived product, Bio-Oss after 8 weeks of implants

※ Initial fusion rate increase, it showed 173%, more than twice of ability to regenerate new bone formation than Bio-Oss.

*Ref.) Performance of β -TCP porous granules in rat calvarial defect model, J.H. Lee, H.R. Baek, 2010, SMG-SNU Boramae Medical Center.