Powerbone FLEXIBLE GRAFT

PERI IMPLANT AND RIDGE PROCEDURES JUST GOT MORE FLEXIBLE

Powerbone Flexible Graft is a bone graft of Silicate substituted β-TCP granules embedded in a resorbable polymer (PCL) lattice with a compressed upper layer.

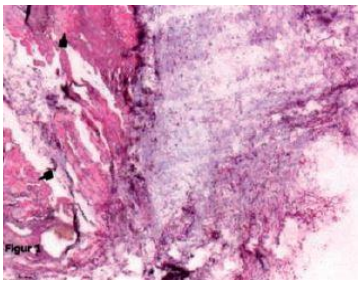
Powerbone Flex eliminates consent associated with allograft or xenograft materials.

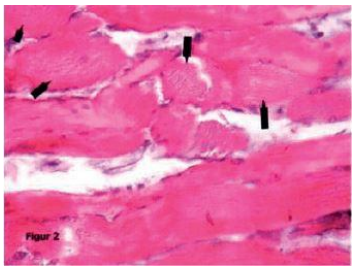
APPLICATION

Powerbone Flexible Graft can be easily cut and trimmed before application or pre-soaked in blood, centrifuged cells or medicines. Larger cases with a mobilised flap may require fixation with a small screw.

OSTEOINDUCTIVE AND OSTEOCONDUCTIVE PERFORMANCE

The stable 3-dimensional PLA lattice creates space, holds the clot, and supports early vascularisation. Resorption of silicate attracts cells [1,2,5] and is shown to enhance regeneration compared with β-TCP alone. [3,4]





Osteoid formation (osteoinductivity) 2 months after implantation of powerbone (SiCAP) in skeletal muscle.

RESORPTION AND RADIOPAQUE PROFILE

Powerbone Flexible Graft resorbs in 5-8 months.

PRESENTATION

Powerbone Flexible Graft is available in 2mm and 4mm sheets x 25 mm² or 50 mm².

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4. Nagineni, Vamsi V., et al. "Silicate-substituted calcium phosphate ceramic bone graft replacement for spinal fusion procedures." Spine 37.20 (2012): E1264-E1272.
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Ivy Cottage, Bridgnorth Road,
Stourton, DY7 5BH

M. +44 (0) 7800 990 131
E. ask@regen-store.co.uk
W. www.regen-store.co.uk

Company registration number 10714405.

Regen Store

Incorporating Ariston Dental UK