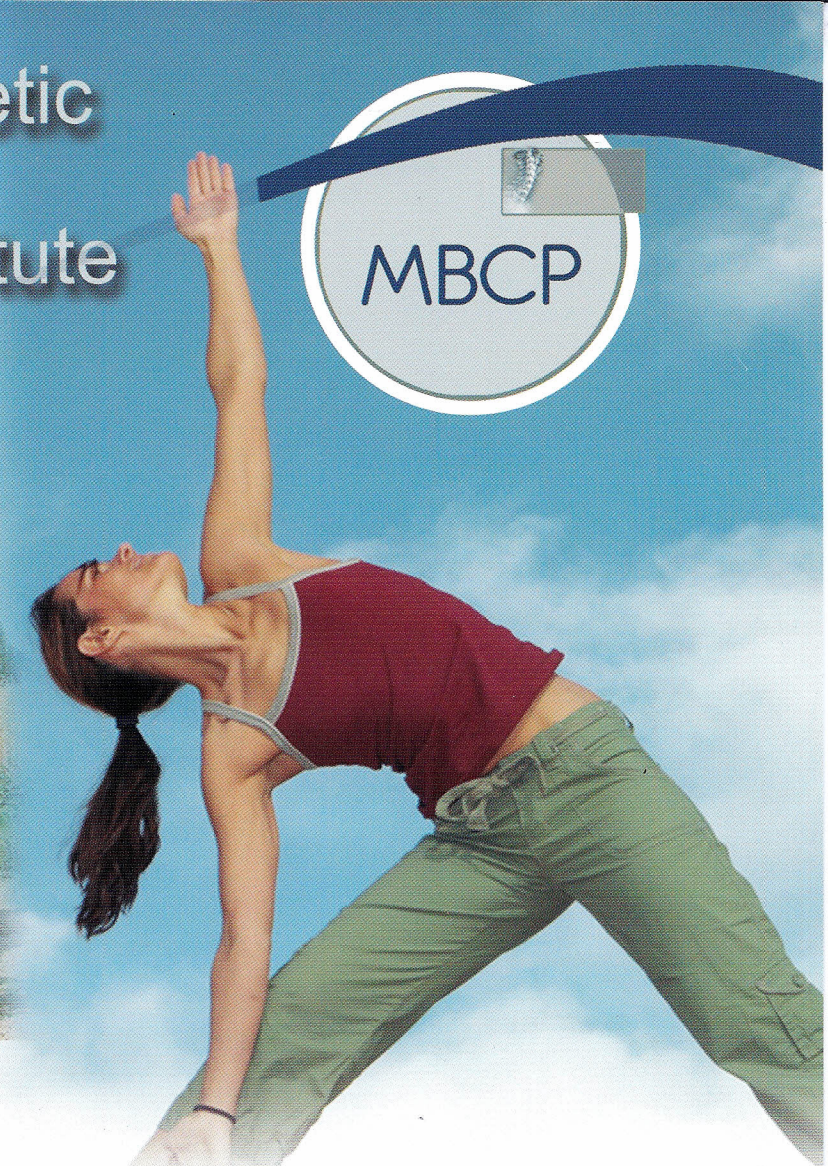
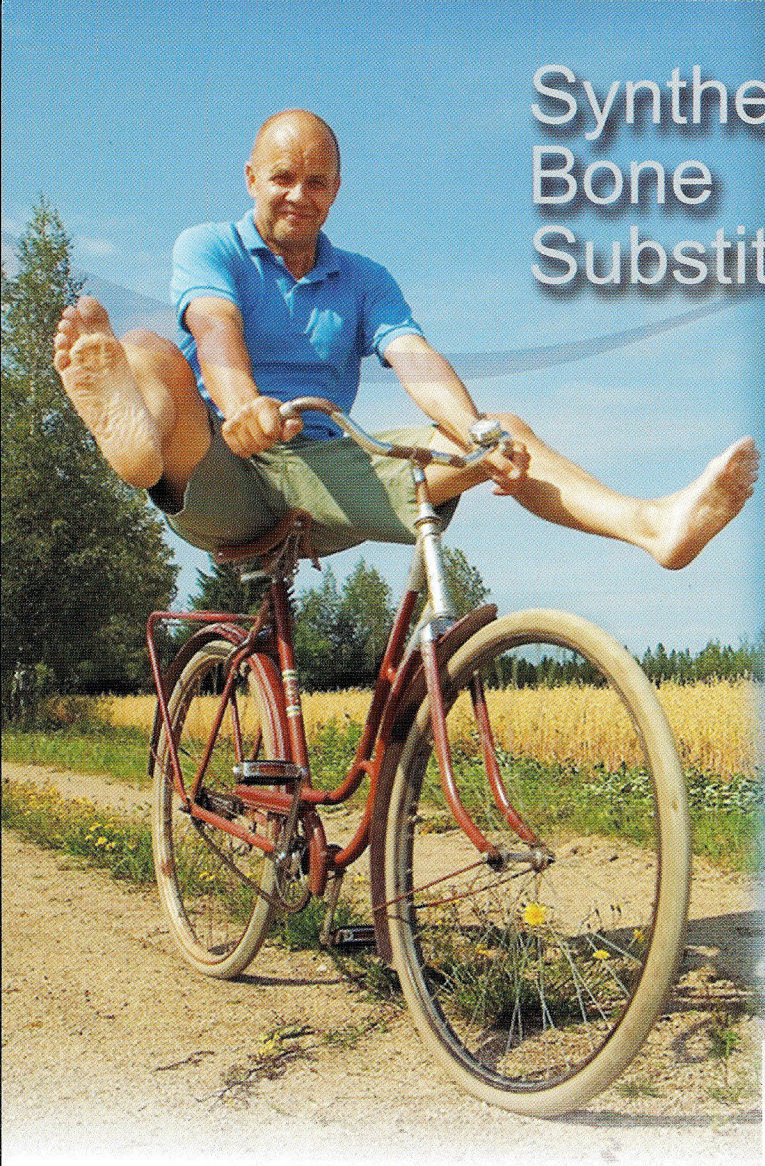


Synthetic Bone Substitute

MBCP



Bioactive

Efficient

Clinical background


Biomatlante

eXpert in bone architecture



From Synthetic to the Living

Micro Macroporous Biphasic Calcium Phosphate

MBCP is a non structural bioactive synthetic bone substitute rapidly replaced by newly formed bone.

MBCP is a biphasic ceramic composed of 60% HA (Hydroxyapatite) and 40% β -TCP (Tricalcium Phosphate Beta)

MBCP presents a global interconnected porosity of 70% with 2/3 of macropores (300-600 μ m) and 1/3 micropores (<10 μ m).

Bioactive

HA/TCP ratio

Short term dissolution/precipitation process into micropores

Osteoconductive

Macropores guides bony cells into the depth of MBCP implant

Osteogenic

New interface recognised by the cells as the host bone

Balance between Resorption & Bone substitution

The global porosity combined with the controlled bioactivity of MBCP lead to a bone remodeling and an adjustment of the new bone to the implantation site. The mechanical properties increase in time to reach those of natural bone.

Benefits

Easy to use

Suitable product range : granules, sticks, wedges, cones, cylinders, custom made shapes.

Shelf life : 5 years

Efficient

More than 400 000 implantations

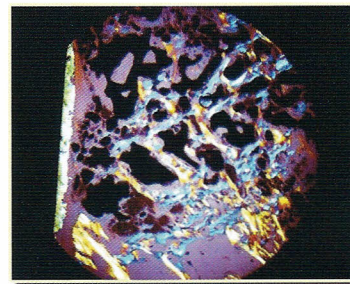
Safe value : fully synthetic (no human nor animal origin)

25 years of clinical background

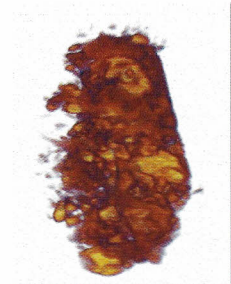
Indications

To augment or replace bone graft in low bearing clinical applications.
All bone filling in trauma, orthopaedy, spine

- Tibial osteotomy
- Fractures with bone defect
- Vertebral arthrodesis
- In certain case of revision arthroplasty



Bone remodeling at the expense of MBCP in cervical fusion cage - 6 months



Human sinus lift six months



Granules 1-2mm	2cc to 30cc
Granules 2-3mm	2cc to 30cc
Sticks	5x5x10/5x5x20mm qty on request
Wedges/Round wedges	5 to 12 mm
Cylinders/cones	Diameter 8 to 14mm

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