

OSIQ_{nano} bone matrix

Synthetic bone substitute of pure nano hydroxyapatite

OSIQ, is a ready-to-use nano bone graft substitute which is an injectable bone matrix paste. It is fully synthetic ultra pure nano hydroxyapatite which can be used for the filling or reconstruction of small and medium bone defects. OSIQ can be combined with Kyeron ELIZ granules, Kyeron REOS strips, or autologous and allogenic cancellous bone. OSIQ does not harden in contact with blood or spongiosa. OSIQ is non-load-bearing and is due to its nanocrystalline structure degradable. The unique viscosity of OSIQ will allow an easy and complete filling of the defect. After filling the defect OSIQ will not harden, this will ensure a quick resorption by macrophages and osteoclasts.



FEATURES

- Innovative nano technology
- Ready to use injectable
- Fully synthetic
- Biodegradable

INDICATIONS

- Osteotomies
- Filling cages in spinal surgery
- Defect filling – small / medium
- Acetabulum reconstruction
- Metaphysial fractures

BIOCOMPATIBILITY

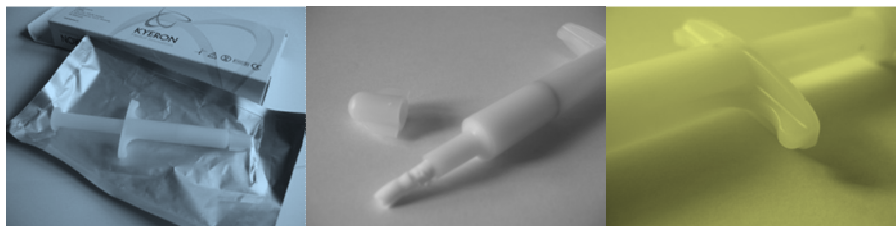
During in vitro test to investigate the biocompatibility of OSIQ it was compared with another commercial available nano-paste. OSIQ showed evidence of in vitro biocompatibility and outperformed the commercial nano-paste already on the market.

- **Viscosity**
Because OSIQ will not harden, it can be quickly resorbed by macrophages and osteoclasts. Its unique viscosity will allow an easy and complete filling of the defect.
- **Osteogenesis**
The rate of proliferation of bone formation cells is accelerated by the use of OSIQ, as well as the stimulation of bone healing. OSIQ will be able to speed-up the bone formation. By the time a complete and stable bony restructuring of the defect is achieved, OSIQ will be completely resorbed.
- **Stability**
OSIQ is non-load-bearing. The load-bearing mechanical stability shall be achieved through osteosynthesis methods

AVAILABLE AS

Art. No.	Type	Volume	Packing
4913105	Paste	0.5 cc	Box of 1 unit
4913110	Paste	1.0 cc	Box of 1 unit
4913120	Paste	2.0 cc	Box of 1 unit
4913130	Paste	3.0 cc	Box of 1 unit
4913150	Paste	5.0 cc	Box of 1 unit

ALSO AVAILABLE AS BOX OF 2 UNITS AND BOX OF 3 UNITS



OSIQ is a perfect bone defect filler in the cancellous bone area.

Complete bone formation is visible within a few months.

KYERON
PO Box 1069
7500 BB Enschede
The Netherlands
www.kyeron.nl
info@kyeron.nl