

## Altis DBMXtra-rti

Altis DBMXtra-rti™ is an innovative ready-to-inject osteoinductive bone filler used to treat bone voids. DBMXtra-rti™ is a naturally derived demineralized bone matrix with assayed quantity of endogenously derived bone morphogenetic protein complex, impregnated into bone matrix, in a convenient prefilled syringe that allows instant injection into a bone void as an osteoinductive bone graft substitute for orthopaedic procedures.

The result is a unique biomaterial that resorbs and is rapidly replaced by *de novo* host bone.

### Indications

- **Orthopaedic Surgery:** Indicated as a bone void filler of long bones of the appendicular skeleton (ulna, radius, humerus, tibia and femur), axial skeleton (lumbar and thoracic) and craniomaxillofacial skeletal structures.
- **Spinal Surgery:** As an allograft substitute for spinal arthrodesis
- **Oral surgery:** orthognathic surgery, alveolus splitting, bone granulomas, dentigerous cysts, extraction sockets.
- **Periodontology:** regeneration of furcation and of deep intrabony defects.
- **Implantology:** restoration and regeneration of peri-implant bone lost due to periodontitis and dehiscence- two wall defects, lateral and crestal access sinus lift. DBMXtra-rti™ may be protected and segregated from surrounding soft tissue using AltiMEM-GTR™ collagen membrane.

## Benefits

### **DBMXtra-rti™ offers the potential to reduce:**

- Need for autologous bone graft
- Hospital stay
- Costs - immediately following surgery and over time
- Complications that would require follow-up visits
- Elimination of pain at harvest site in autograft procedures
- Late onset complications from autogenous bone harvesting procedure
- Eliminates risk of infection from autograft donor site

## Unique attributes of DBMXtra-rti

- ✓ **Extensive clinical experience** in more than 1300 patients
- ✓ **Superior endogenous morphogen content** purified from cortical bone
- ✓ **Osteoinductivity superior** to regular demineralized bone matrix
- ✓ **Injectable** DBMXtra-rti™ is offered as an injectable system in a prefilled syringe for convenience
- ✓ **Space maintaining collagenous** scaffold supporting new bone formation
- ✓ **BMP is bound to collagen scaffold** - reducing risk of ectopic bone formation
- ✓ **Excellent safety profile**- no reports of adverse events to date
- ✓ **Naturally derived** collagenous scaffold and morphogen complex
- ✓ **Histological** evidence of osteoinductivity and biocompatibility shown in humans
- ✓ **Extensive preclinical research** backing performance and safety DBMXtra-rti™
- ✓ **Cost Effective**

**Contact: Tel.** +27 (0)12 844 0098/99

**Email:** [nic@altisbiologics.com](mailto:nic@altisbiologics.com) or [sales@altisbiologics.com](mailto:sales@altisbiologics.com)

Product description	Cat Number	Nappi code
Altis Demineralised Bone Matrix Ready to Inject 0.5cc	OBMXRTI0.5	1116750-001
Altis Demineralised Bone Matrix Ready to Inject 1cc	OBMXRTI1	251209-001
Altis Demineralised Bone Matrix Ready to Inject 2cc	OBMXRTI2	251222-001
Altis Demineralised Bone Matrix Ready to Inject 5cc	OBMXRTI5	251223-001

v2. 15082023

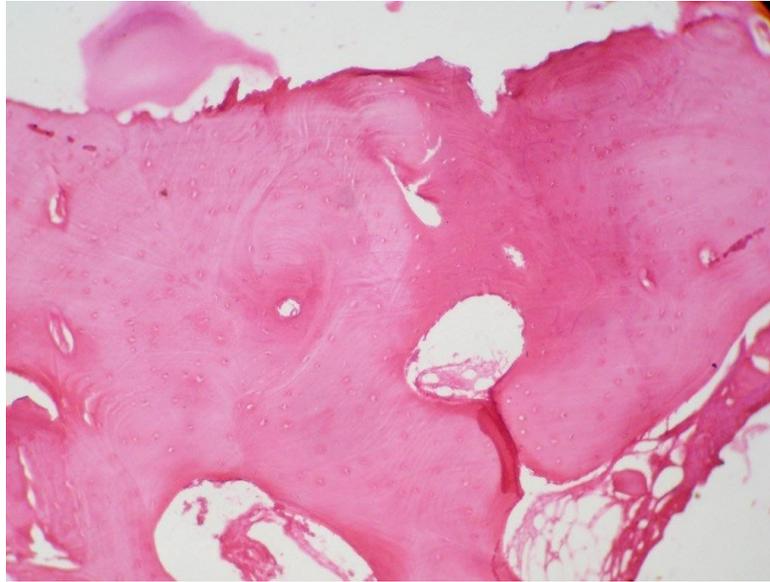


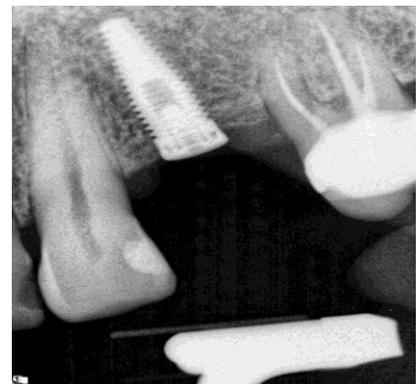
Figure 1. Hematoxylin and Eosin stained biopsy from injection site showing healthy human bone formation following injection of DBMXtra-rti™



Figure 2. Patient with extraction socket following 1<sup>st</sup> molar extraction .



4 months after treatment with DBMXtra, showing ossification, ridge preservation & increased bone density.



Titanium implant placed into newly formed bone for dental prosthesis attachment.