

CureOs® HTO BONE GRAFT

Intended Use

CureOs® is used to cure bone defects that occurs during reconstructive processes such as trauma, bone infections, congenital anomalies, musculoskeletal system tumor surgery, revision arthroplasty surgery and spinal surgery.

CureOs is indicated to be filled all traumatic and pathological (extremity, spine and pelvis) bone and spine cavities that is deemed necessary by a medical doctor. CureOs can be used with other graft materials such as screw, trocar and quercer wire. Type and volume of the graft that to be used is determined by the medical doctor according to size and type of the defects.

CureOs is used to cure traumatic bone defects, pathological bone defects, osteosynthesis, broken bones, tibial osteotomy and any situations that is deemed necessary by a medical doctor.

Target patient population is primarily; extremity caused by traumatic and pathological reasons, patients that have cavity between spine and pelvis, patients that have broken bones and patients that need a cure for bone tissue that is deemed necessary by a medical doctor.

Indications

CureOs is indicated to fill all traumatic and pathological bone (extremity, spine and pelvis) cavities.

CureOs can be used with all other bone grafts. Type and volume of the graft that to be used is determined by the medical doctor according to size and type of the defects.

CureOs is also indicated to be used for all traumatic bone defects, pathological bone defects, osteosynthesis, broken bones, tibial osteotomy and any situations that is deemed necessary by a medical doctor.

Mechanism of Action

The smallest functional unit of bone is called Osteon. When Osteon is examined at electron microscopic level, it is seen that 1 micrometer diameter collagen fibrils come together and create bone layers (lamellar bones) and bone channel system. 100 nanometer HA crystals is arranged

over collagen fibrils and delineate the microscopic structure of the bone. Osteon sequences shaped as 3D columns create the strongest structure against forces coming from all directions. Vein network inside Havers and Volkman channels feed the osteocytes arrayed circularly around the channels. Osteocytes are in contact with themselves and osteogenic cells (bone lining cells) that is on endosteal and periosteum at spongy bone through their cytoplasm. "Wound on bones is perceived by the osteogenic cells, osteoclasts and osteoblasts are stimulated respectively and rebuild cycle starts."

HTO



CureOs® tamamen emilebilir ve kademeli olarak yeni kemik oluşumunu sağlar.

Ürün, optimize edilmiş çetin ve sterilize form olarak sunulmaktadır.

CureOs® HTO KEMİK GREFTİ ÜRÜN ÖZELLİKLERİ

Açı	Greft Büyüklüğü	Şekil
5,71°	6 mm	
6,62°	7 mm	
7,29°	8 mm	
8,19°	9 mm	
9,09°	10 mm	
9,98°	11 mm	
10,87°	12 mm	