The macroporous injectable, self-setting calcium phosphate bone graft substitute.

With a porous architecture similar to natural bone.
Because simplicity matters

STRUCSURE™ CP Bone Graft Substitute is an advanced, injectable, hard-setting bone graft substitute designed to gradually resorb while being replaced with natural bone. STRUCSURE CP Bone Graft Substitute is mixed in a unique dual-chambered syringe that minimizes preparation prior to use and includes a delivery gun with a seven-gauge cannula for precise placement of material. This allows for maximized OR efficiency.

Benefits of STRUCSURE CP mixing system

• All-inclusive closed mixing and delivery system ensures sterility
• Pre-measured components eliminate pre-setup and require just two minutes of preparation time
• Mixing technique is simple and reproducible
• Material-saving design reduces waste during injection
Because you need clinical versatility

STRUCSURE™ CP Bone Graft Substitute is composed of a proprietary calcium phosphate mixture. The combination of calcium phosphate powder and a low-molecular-weight polymer creates a porous scaffold ideal for bone growth. The STRUCSURE CP material gradually remodels into bone.

STRUCSURE CP Bone Graft Substitute provides a bone grafting option that addresses your specific clinical needs.

- Global porosity of 70% and 10% macroporosity to enable cellular in-growth.
- Mechanical strength of 24 MPa to prevent subsidence in metaphyseal defects.
- Injectability and radioopacity to ensure complete void filling and bone apposition.
- Gradual setting profile provides flexibility to inject around hardware or place hardware through STRUCSURE CP material without concern of fracturing the material.
- Non-exothermic reaction to prevent cell damage.
- Cohesive nature to allow implantation in moist defects without concern for washout.

Formation of Calcium-Deficient Apatite Crystals

Available in 5, 8 and 16 cc sizes
Fracture void size will vary with patients
Because you need it to work.

STRUCSURE® CP Bone Graft Substitute, with its crystalline structure similar to natural bone and its enhanced porosity, is designed to be gradually remodeled into bone.

Case studies performed by Dr. Sébastien Paratte, Department of Orthopedic Surgery, Ste Marguerite University Hospital, Marseille, France.

CASE STUDIES

Complex Tibial Plateau Fracture
A complex tibial plateau fracture was treated with plates and screws along with an injection of STRUCSURE CP Bone Graft Substitute. Results showed good osseointegration between the biomaterial and the bone throughout the two-year follow-up period, with resorption of the biomaterial and replacement with newly-formed bone over time.

Proximal Humeral Fracture
A proximal fracture with head impaction was treated with intramedullary nailing and injection of STRUCSURE CP Bone Graft Substitute. One month postoperatively, good osseointegration and a homogenous interface between the implant, cement and bone was observed.

At two years, good healing was seen with no delimitation between bone and STRUCSURE CP material. The patient had a Constant score of 89 and had resumed normal activities.

Calcaneum Necrosis Bone Filling
A defect of the greater tuberosity of the calcaneus was treated with injection of STRUCSURE® CP Bone Graft Substitute (red circle indicates treatment site). Very good bony integration was seen six months postoperatively, and the patient reported being pain-free.