The 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 efforts prior to use and includes a dispenser 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

Components are pre-measured and pre-loaded in the syringe’s dual chambers

Dispenser gun allows for precise placement of material

3-inch cannula allows for minimally invasive access and fill of large defects
Available in 5, 8 and 16 cc sizes
Fracture void size will vary with patients

Indications

- Shoulder Replacement
  - 8 cc to 10 cc
- Proximal Humerus Fx
  - 8 cc to 10 cc
- Benign Bone Cysts
  - 5 cc to 8 cc
- Distal Radius
  - 5 cc to 8 cc
- Proximal Humerus Fx
  - 8 cc to 10 cc
- Shoulder Replacement
  - 8 cc to 10 cc
- Osteolytic Lesion
  - 8 cc to 10 cc
- Iliac Crest Backfill
  - 8 cc to 10 cc
- Distal Radius
  - 5 cc to 8 cc
- Calcaneus Fx
  - 8 cc to 10 cc
- Primary Hip Replacement
  - 5 cc to 8 cc
- Periprosthetic Fx
  - 8 cc to 10 cc
- Revision Hip Replacement
  - 30 cc to 40 cc
- Trauma indications
- Recon indications

- Periprosthetic Fx
  - 8 cc to 10 cc
- Core Decompression
  - 8 cc to 10 cc
- Revision Hip Replacement
  - 30 cc to 40 cc
- Core Decompression
  - 8 cc to 10 cc
- Revision Knee Replacement
  - 20 cc to 30 cc
- Distal femur Fx
  - 8 cc to 10 cc
- Tibial Plateau Fx
  - 8 cc to 10 cc
- Revision Knee Replacement Fx
  - 20 cc to 30 cc
- Pilon and Ankle Fx
  - 8 cc to 10 cc
- Primary Knee Replacement
  - 5 cc to 8 cc
- Calcaneus Fx
  - 8 cc to 10 cc
- Revision Knee Replacement Fx
  - 20 cc to 30 cc

- Primary Hip Replacement
  - 5 cc to 8 cc
- Calcaneus Fx
  - 8 cc to 10 cc
- Proximal Humerus Fx
  - 8 cc to 10 cc

Trauma indications
Recon indications
Recon indications
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 remolds 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
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 Parratte, 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.

![Preoperative X-ray](image1)
![3 Months Postoperative X-ray](image2)
![2 Years Postoperative X-ray](image3)

### 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.

![Preoperative X-ray](image4)
![1 Month Postoperative X-ray](image5)
![2 Years Postoperative X-ray](image6)

### 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.

![Preoperative X-ray](image7)
![6 Months Postoperative X-ray](image8)
Learn more about this revolutionary system at www.strucsurecp.com

Ordering Information

STRUCSURE™ CP kit includes syringe, dispenser gun and 7-gauge cannula

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<th>Reference #</th>
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<tr>
<td>717805</td>
<td>STRUCSURE CP – 5 cc Kit</td>
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<td>717808</td>
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<tr>
<td>717816</td>
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