

# FAST BONE

INJECTABLE BONE GRAFT SUBSTITUTE OF SS-TCP + CALCIUM SULFATE

ENGLISH 



## SIMPLE:

All-in-one pack for ready to use.

## QUICK:

Fast mixing and setting time.

## SAFE:

Bioabsorbable and osteoconductive material.



**GMREIS**

Qualidade para Vida

Calidad para Vida Quality for Life الجودة للحياة

2024

# FAST BONE

FAST BONE is a synthetic, injectable, biocompatible, resorbable and osteoconductive bone graft substitute made with  $\beta$ -tricalcium phosphate and calcium sulfate. FAST BONE pre-loaded syringe is a compact and closed device with integrated mixing rod for fast and clean mixing prior to application. Indicated for filling of defects/gaps that are not intrinsic to the stability of the bone structure.



FAST BONE provides quick preparation and hardening, reducing surgical time:

- Mixing time: 30 seconds and,
- Setting time: approximately 10 minutes.

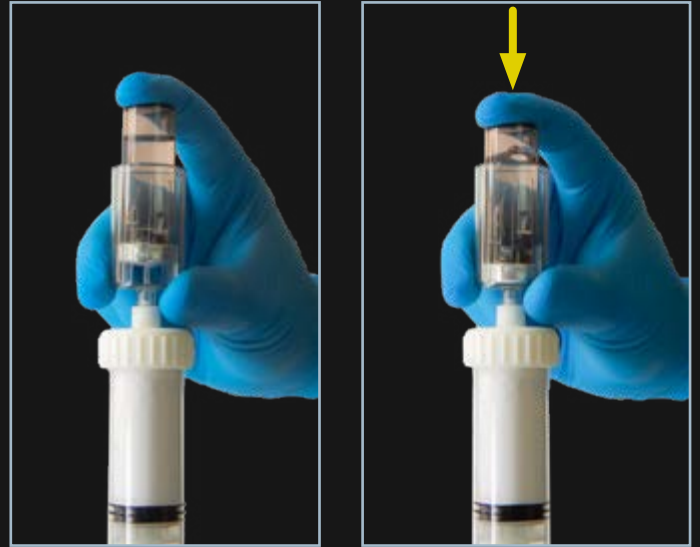
## FEATURES:

- Composition:  $\beta$ -Tricalcium Phosphate ( $\beta$ -TCP) and Calcium Sulphate according to ASTM F 1088 and ASTM F 2224 standards;
- Injection syringe allows application of the graft even in small cavities and regions that are difficult to access;
- Mixture of liquid and powder components completely aseptic, through a mixer coupled to the injection system;
- Isothermal hardening;
- Biocompatible;
- Bioresorbable;
- Osteoconductor and,
- Radiopaque.

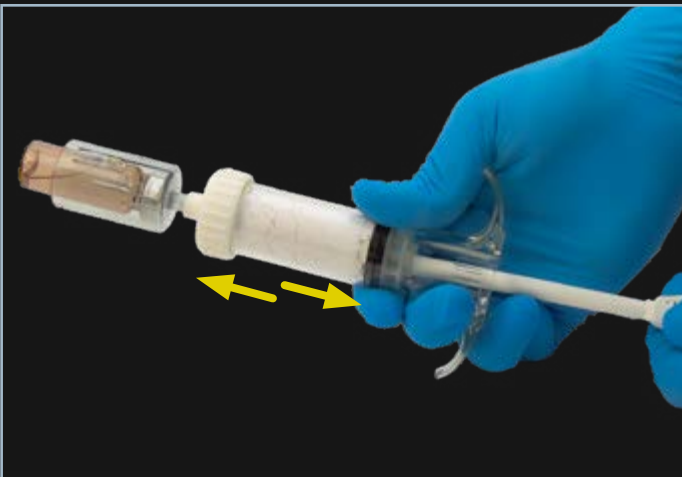
# APPLICATION TECHNIQUE



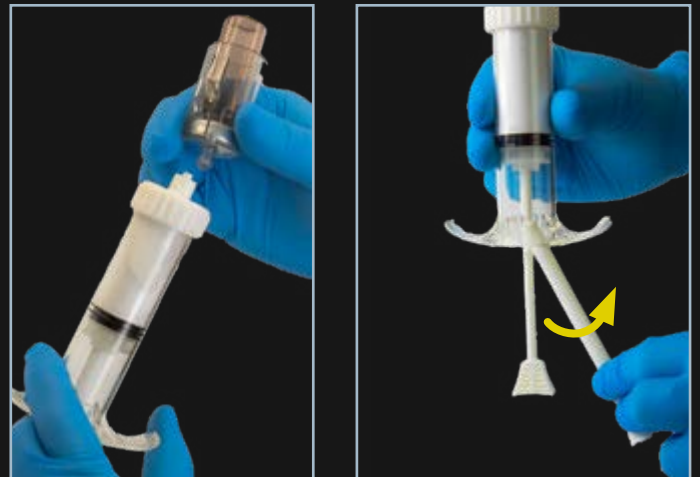
1. Remove the syringe cap and screw the Luer connector on the vial until it is fully seated;



2. Keep the syringe in an upright position, with the vial upwards, and press it against the syringe to pierce the sealing center;



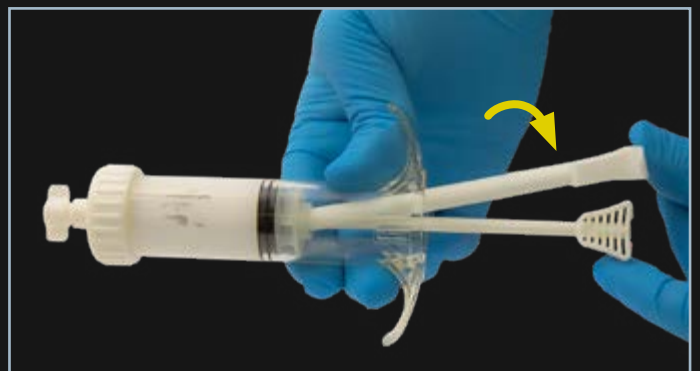
3. Aspirate the entire liquid content of the vial by pulling the plunger up and down, repeating it as many times as necessary;



4. Remove the vial and replace the syringe cap and remove the plunger rod spacer;



5. Mix for 30 seconds until a homogeneous mixture is obtained, moving the plunger up and down, and rotating it;



6. Pull the plunger fully and reconnect the spacer to its rod. Wait 2 minutes for the mixture to become pasty, in a slightly tilted position so that its texture can be observed;

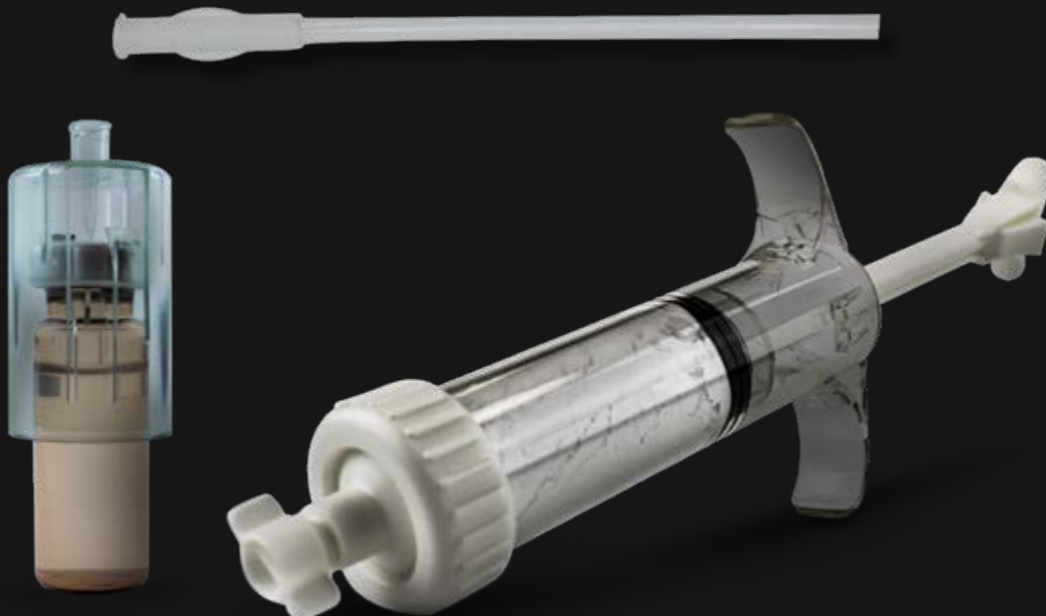
# APPLICATION TECHNIQUE



7. Remove the syringe cap and screw the cannula firmly onto the syringe Luer connector, and verify the consistency of the mixture: the paste should not stick to the glove and,



8. Inject Fast Bone until filling the bone gap, according to the surgical plan.

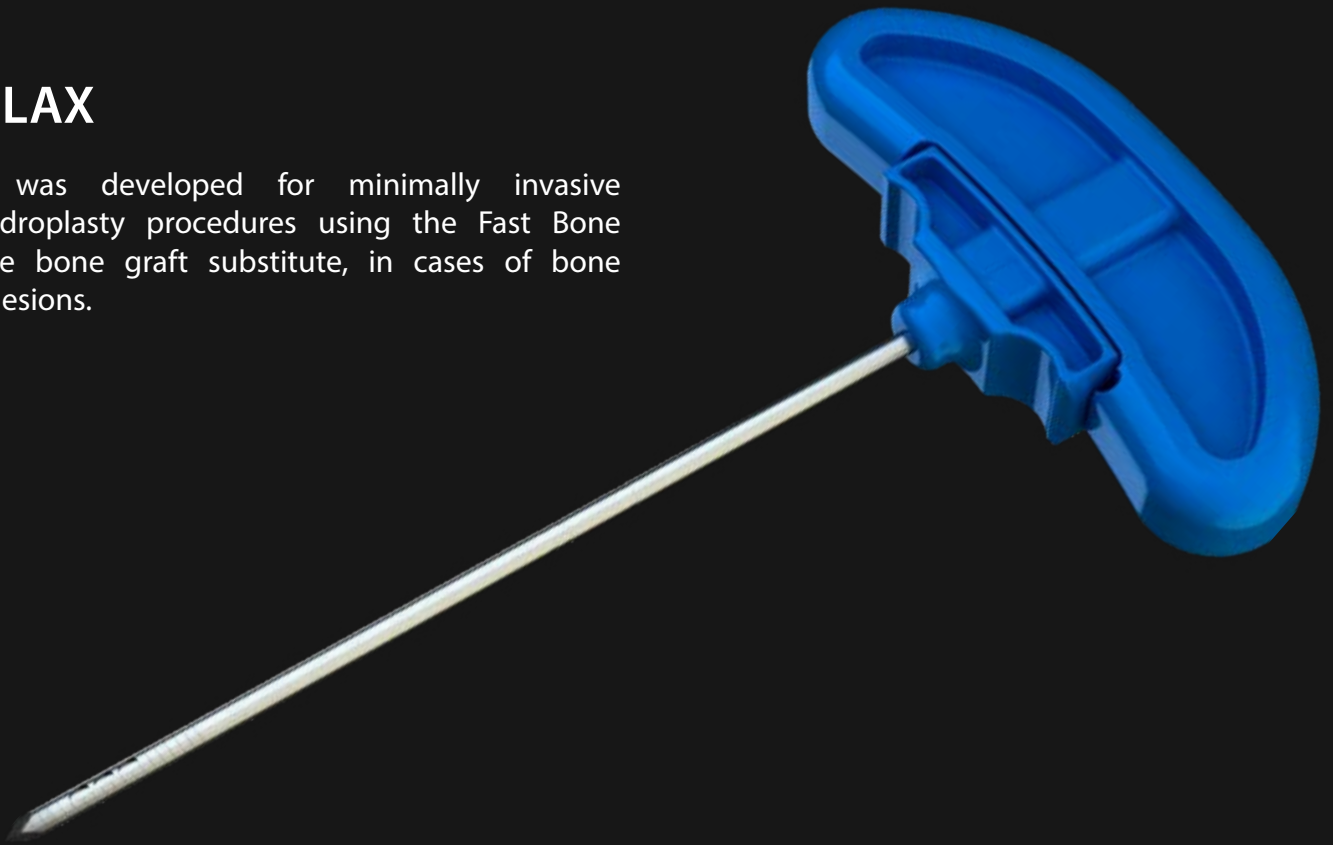


**Fast Bone - Injectable Bone Graft Substitute 10 cc**

CODE
325-10

# BIOPLAX

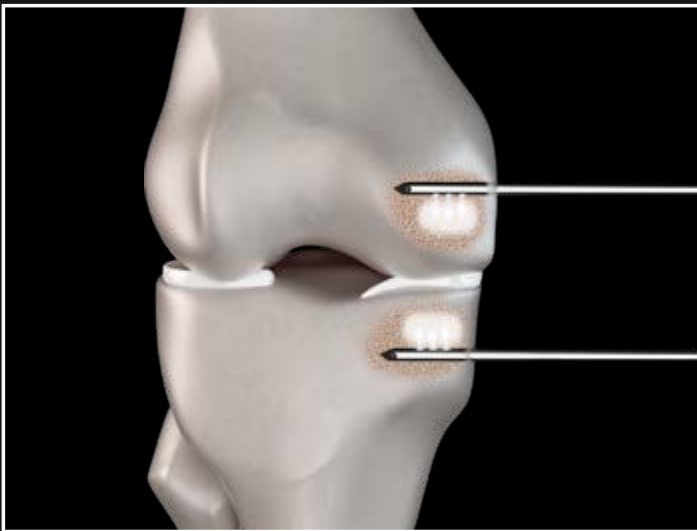
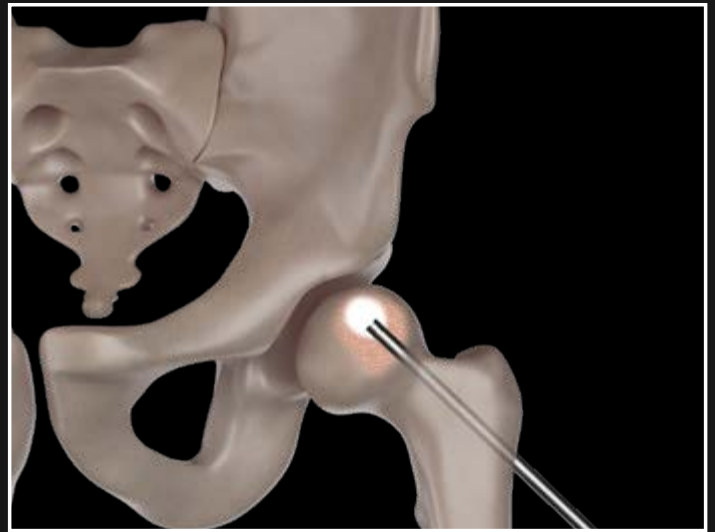
Bioplax was developed for minimally invasive subchondroplasty procedures using the Fast Bone injectable bone graft substitute, in cases of bone marrow lesions.



*Figs.: After positioning the Bioplax into lesion region, confirm the position by X-ray, take out the upper part and attach GMReis Fastbone Syringe to Apply the graft. The upper part of the cable is removed to attach the Fast Bone syringe to apply the graft.*



*Figs.: Humeral head bone marrow lesion treated with GMReis Bioplax combined with Fast Bone injectable bone graft substitute.*



Figs.: Examples of Bioplax indications: shoulder, hip, knee and ankle.

### BIOPLAX – subchondroplasty

CODE	MODEL	Ø	LENGTH	RECOMMENDATION
356-50	Side	3.0 mm	120.0 mm	Ankle, shoulder, hip and knee
356-55	Front	3.0 mm	120.0 mm	Ankle, shoulder, hip and knee
356-60	Front	1.8 mm	60.0 mm	Ankle and shoulder
356-65	Front	3.0 mm	110.0 mm	Hip
356-70	Front	4.2 mm	200.0 mm	Hip
356-75	Side	4.2 mm	200.0 mm	Hip
356-80	Multilateral	4.2 mm	200.0 mm	Hip
356-85	Side and front	4.2 mm	200.0 mm	Hip



**HEADQUARTER | GMREIS**

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