

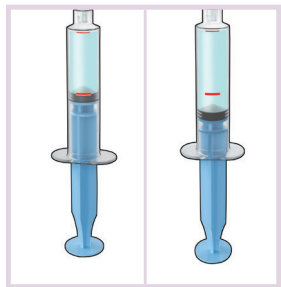
CERAMENT[®] G

with Gentamicin

The first and only FDA authorized, injectable antibiotic-eluting bone graft substitute

MIXING GUIDE

STEP 1: PREPARING THE CERAMENT GENTAMICIN SOLUTION



TRANSFER SALINE LIQUID INTO SYRINGE	INJECT SALINE INTO GENTAMICIN VIAL	GENTLY SHAKE GENTAMICIN VIAL TO DISSOLVE	WITHDRAW SOLUTION BACK INTO SYRINGE
<ul style="list-style-type: none"> Assistant attaches the syringe to the dispensing pin and withdraws liquid up to the red mark on the syringe Stop filling syringe when liquid reaches red line - there will be saline left in the vial Remove saline vial and dispensing pin from sterile field when done 		<ul style="list-style-type: none"> Ensure all gentamicin powder is dissolved in saline 	<ul style="list-style-type: none"> Ensure all gentamicin solution is withdrawn into syringe

STEP 2: MIXING CERAMENT G

MIXING	30sec TRANSFER PASTE TO INJECTION SYRINGE	~1min WAIT	~4min INJECT	~7min SETTING	~15 min WOUND CLOSURE, DRILLING AND SCREW INSERTION
<ul style="list-style-type: none"> Attach blue valve with clear end towards the powder-filled mixing syringe, and blue end towards the gentamicin solution syringe Remove the red ring before mixing Ensure the scrub nurse has the correct needle/cannula, minimum 16G, plus one extra Start timer as you begin mixing 	<ul style="list-style-type: none"> Stop mixing Lock plunger by turning blue collar clockwise Transfer all paste from the mixing syringe to the injection syringe with the numbers facing towards the user When full, paste will begin to ooze from under sleeve. Stop filling when this occurs 	<ul style="list-style-type: none"> CERAMENT G becomes viscous during this time, and will achieve optimum injectability at 4 minutes Remove red plunger stopper from injection syringe 	<ul style="list-style-type: none"> Begin injecting CERAMENT CERAMENT G is not moldable Tip: If all the paste is not needed, inject any remaining onto the blister pack — this can be gently implanted into the defect later if needed 	<ul style="list-style-type: none"> Do not touch CERAMENT G or manipulate the tissues surrounding the defect during setting At 8-9 minutes, CERAMENT G can be gently compressed to maximize interdigitation into surrounding bone 	<ul style="list-style-type: none"> Drill or insert screws if required, or close the wound



MIXING GUIDE

CERAMENT Gentamicin

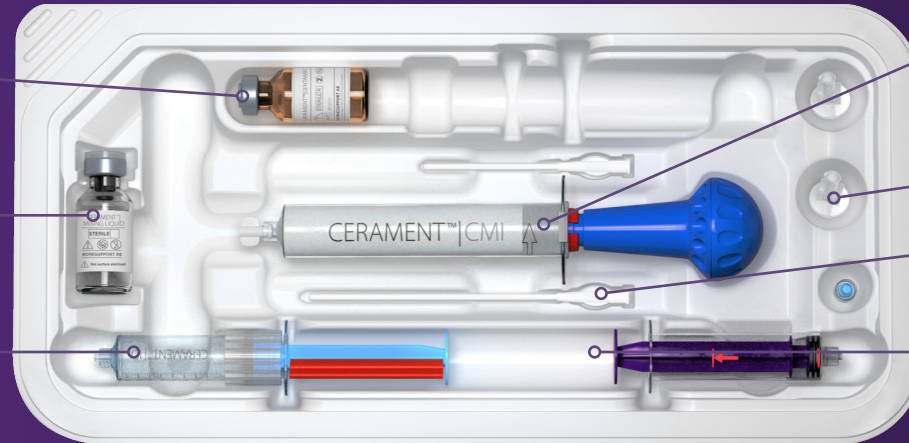
Glass vial of gentamicin sulfate, provides 17.5mg gentamicin/mL paste

CERAMENT Mixing Liquid

Glass vial of saline (sodium chloride) 9mg/mL liquid

Syringe

Features the red line, used to prepare the gentamicin solution



CERAMENT CMI

Powder-filled combined mixing and injection device – closed system

Valve

Tip Extenders (x2)

100/50mm – 11G

CERAMENT ID

Syringe allows for easy injection with included tip extenders

SURGICAL TIPS

BEFORE APPLYING CERAMENT G

- Ensure appropriate debridement of the defect and removal of blood clots and tissue fragments. CERAMENT G must be in contact with living bone for bone remodeling to occur
- Ensure the defect is as dry as possible, consider using a tourniquet and gauze

DURING APPLICATION

- If a dry field is not possible, inject all the CERAMENT G at 4 minutes and wait until 8-9 minutes has passed, then gently compress using gauze
- Start injecting at the distal part of the defect and continue injecting as you withdraw proximally
- In percutaneous procedures, inject under fluroscopy
- Completely fill the defect, but do not overfill
- Do not use in joints or soft tissues

AFTER APPLICATION

- Avoid the use of active suction drainage, as this may decrease the local concentration of gentamicin

To see the live mixing video, scan here



Availability of CERAMENT is dependent on regulatory status in individual markets, contact your local representative. For complete product information, including indications, contraindications, warnings, precautions and potential adverse events, see package insert.



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