

# CERAMENT G with Gentamicin

## MIXING INSTRUCTIONS

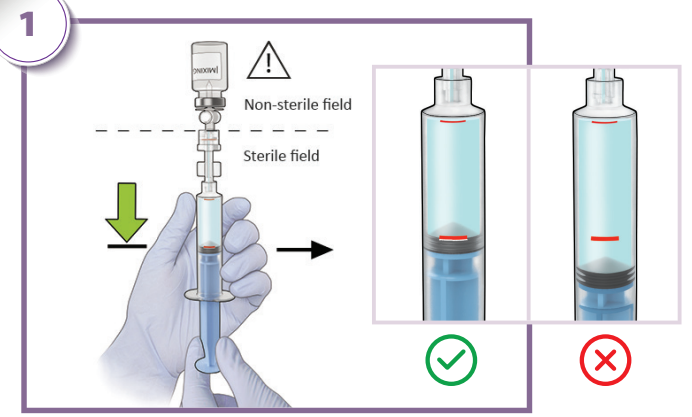
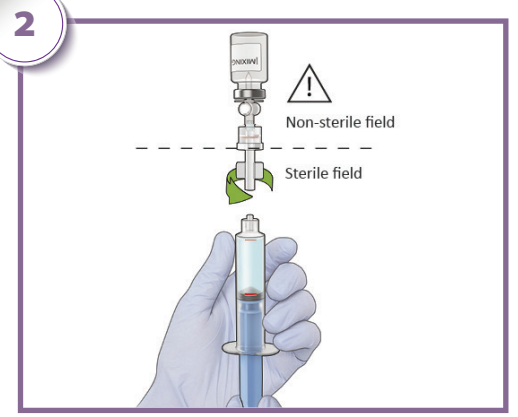
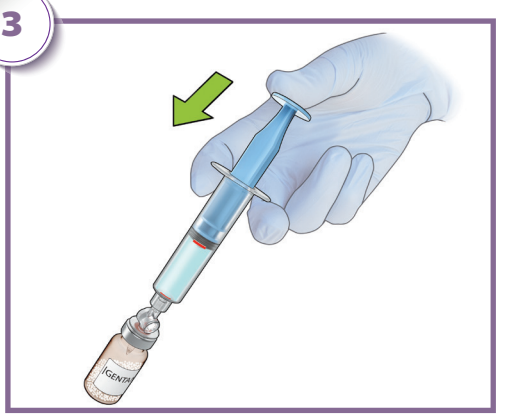
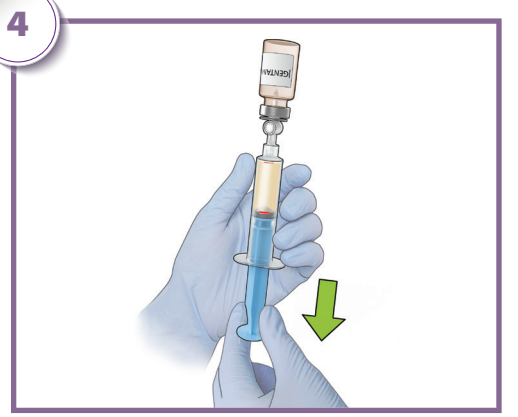
### The first and only FDA authorized, injectable antibiotic-eluting bone graft substitute

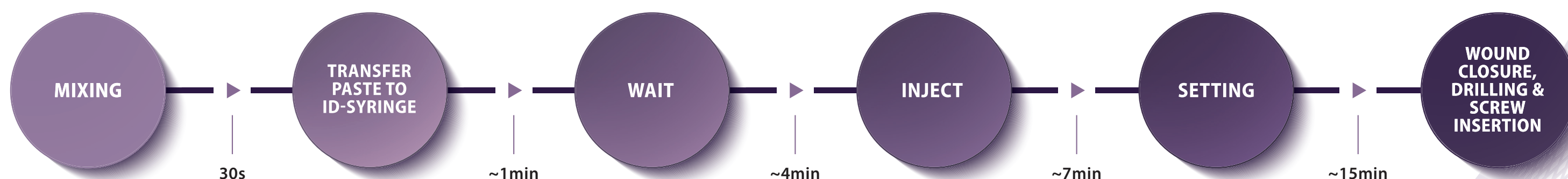
#### STEP 1: PREPARING THE GENTAMICIN SOLUTION

##### NOTE:

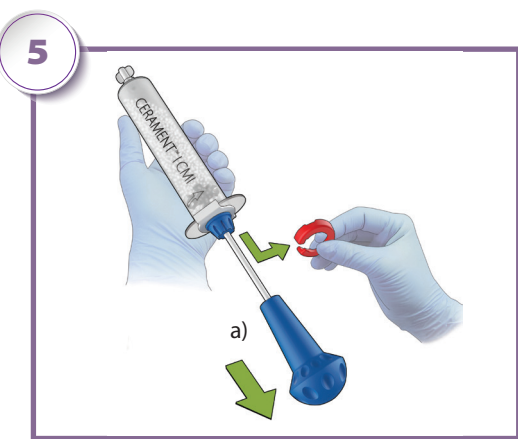
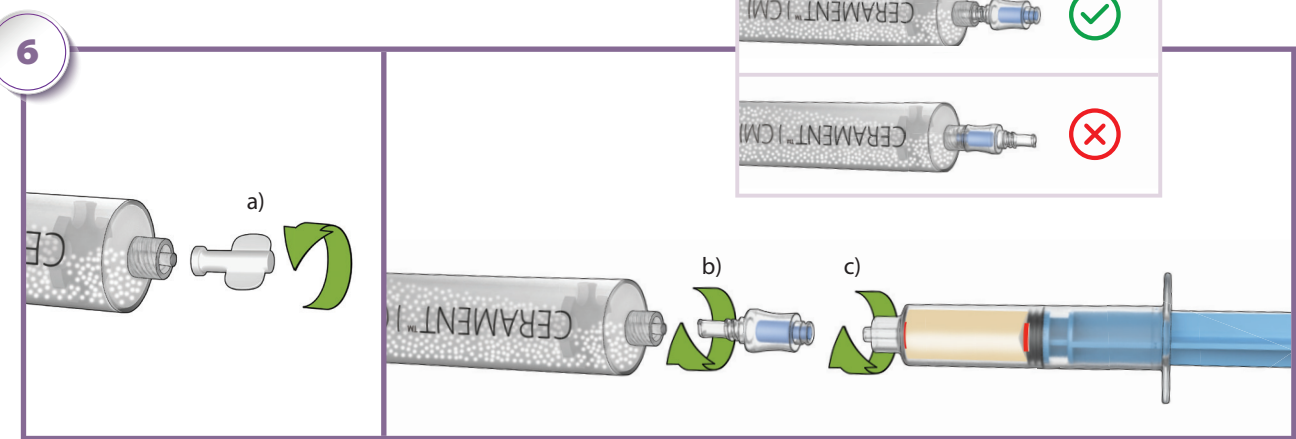
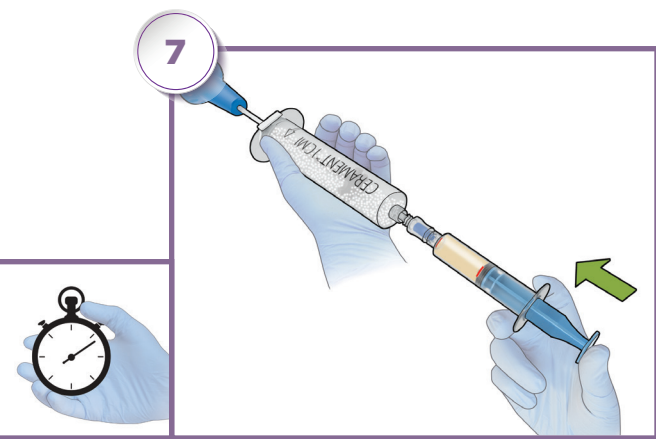
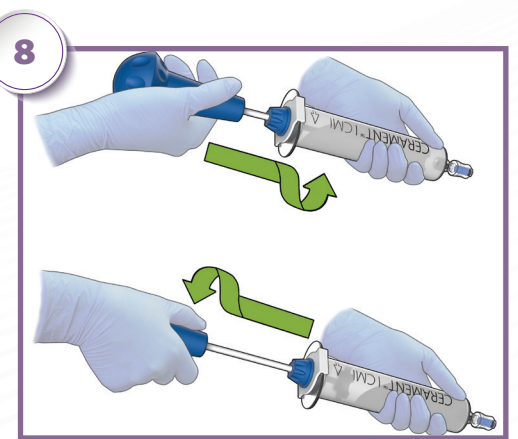
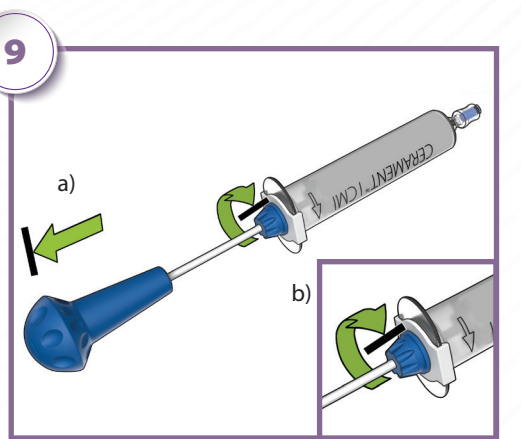
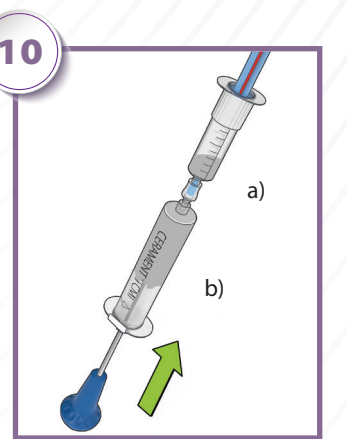
The surface of the saline vial is non-sterile, so the non-sterile surgical assistant must remove the transparent cap

The sterile surgical assistant should insert the dispensing pin and attach the syringe

- 1 
  - Non-sterile assistant removes transparent cap from the liquid vial and places the liquid vial on a non-sterile surface
  - Sterile assistant inserts one of the dispensing pins through the membrane of the vial
  - Sterile assistant attaches the syringe to the dispensing pin and withdraws liquid up to the red mark on the syringe
- 2 
  - Separate syringe from the dispensing pin and liquid vial
  - Remove the liquid vial and dispensing pin from the sterile field
- 3 
  - Remove the lid from the gentamicin vial
  - Place the gentamicin vial on a sterile surface
  - Insert the second dispensing pin through the membrane of the gentamicin vial
  - Inject liquid into the gentamicin vial
  - Shake gently to dissolve
- 4 
  - Withdraw all gentamicin solution back into syringe



#### STEP 2: MIXING THE CERAMENT® G

- 5 
  - Retract blue handle on the powder-filled syringe
  - Remove red plunger stop
- 6 
  - a. Remove plug on the powder-filled syringe
  - b. Attach valve with clear end to powder syringe (press and turn clockwise)
  - c. Attach syringe with gentamicin solution to blue end of valve
  - Inject gentamicin solution into powder syringe
  - Push plunger on syringe with gentamicin solution while detaching
- 7 
  - Start stop watch
  - Hold syringe in a vertical position
  - Mix with rotation for 30 seconds, at 1 complete stroke per second
  - Fully insert and retract handle on each stroke
- 8 
- 9 
  - a. Fully retract blue handle
  - b. Lock plunger by turning blue collar clockwise to click
- 10 
  - a. Attach injection syringe to valve with numbers facing towards the user
  - b. Transfer paste
  - When full, paste will begin to ooze from under sleeve
  - Stop filling when this occurs
  - Detach filled injection syringe and remove red stopper
  - See timeline above for setting times
- 11 