

# 04 KYBS™

## Kyphoplasty Balloon System

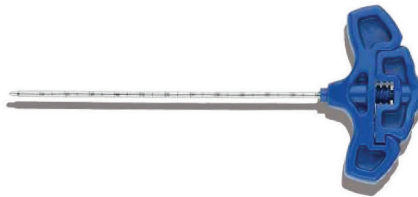
The Balloon recovers vertebral morphology intact and makes a cavity to inject fluid from the pressurizer to cement after insertion into damaged vertebral body.

- Vertebral compression fracture due to Osteoporosis
- Osteolytic fracture
- Metastatic bone fractures



## KY TOOLKIT Components

01  
START NEEDLE x 1EA



02  
GUIDE WIRE x1EA



03  
EXPANDER & CANNULA x 1SET



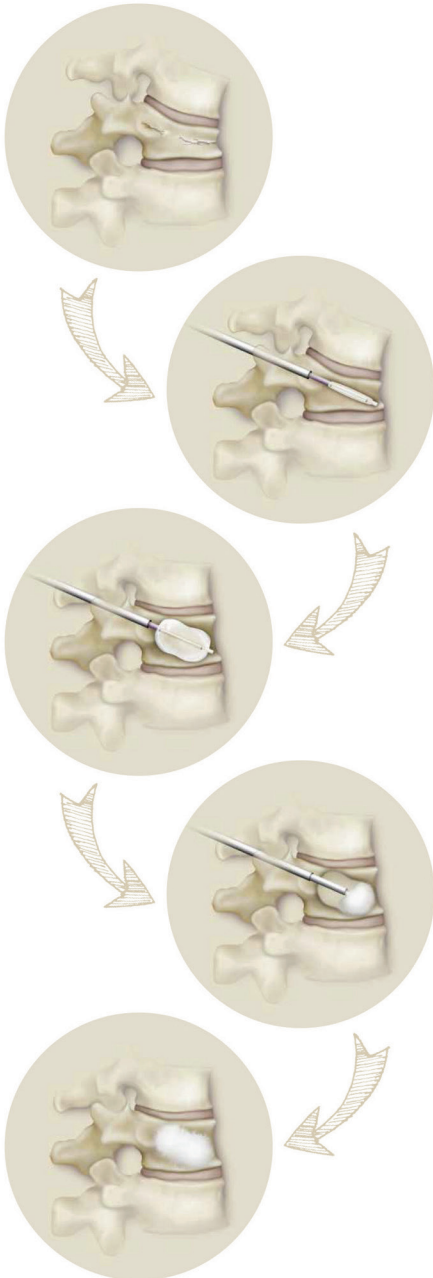
04  
SPACER x 1EA



05  
CEMENT FILLER & PUSHER x 3EA



# TECHNIQUE



## 01

Spinal Fracture, also known as Vertebral Compression Fracture(VCF)

## 02

Through two small incisions, the doctor creates narrow pathway into the fractured bone and inserts two Kypho balloons.

## 03

The balloons are carefully inflated in an attempt to raise the collapsed vertebra and return it to its normal position. The balloons are deflated and removed, leaving a cavity within the bone.

## 04

The cavity is filled with a bone cement to support the surrounding bone and prevent further collapse.

## 05

The cement forms an internal cast that holds the vertebral place.

# 05 Osteo Toolkit Set™

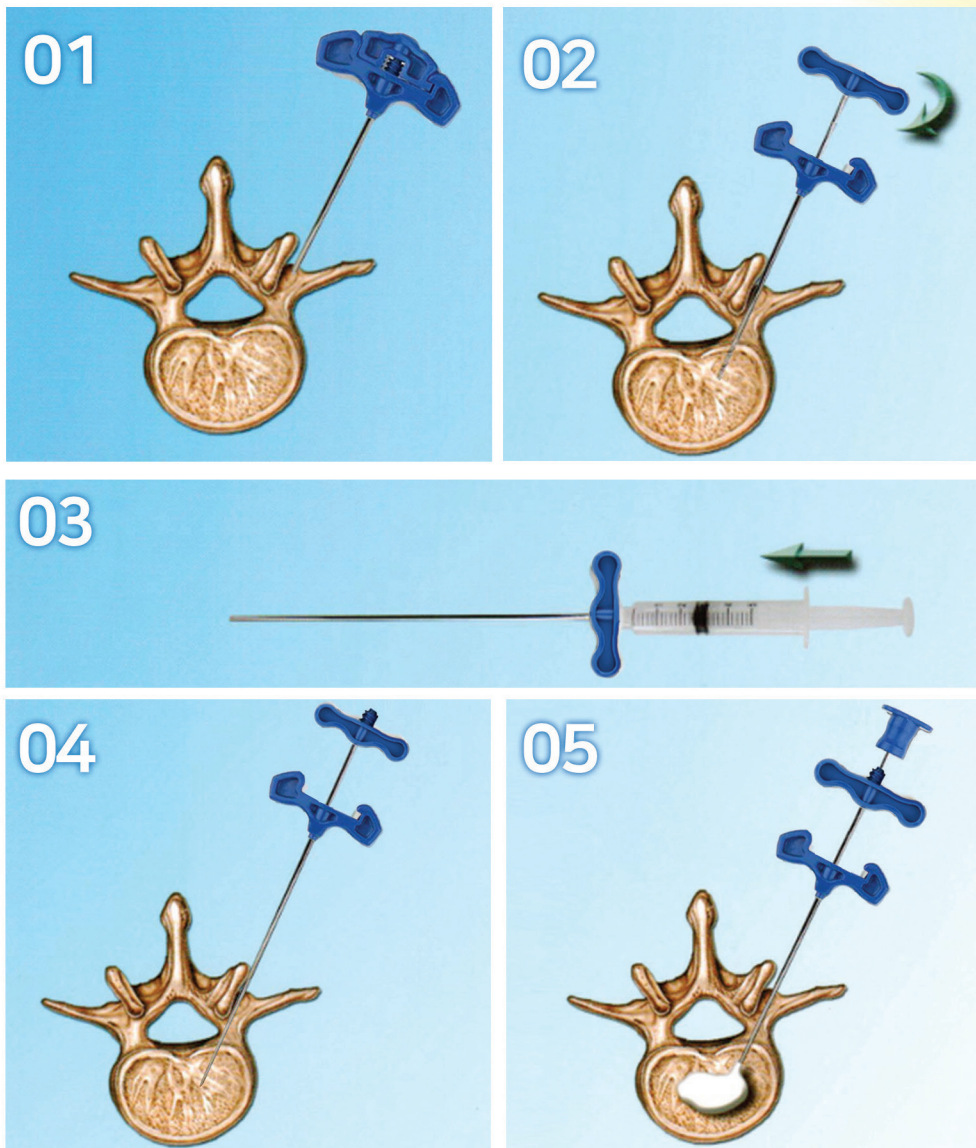


1. Through the pedicle of damaged vertebral body, enter Guide Wire, Expander & Cannula using manual control.
2. After insertion of Expander through the Cannula, slowly inflate the Balloon with initial bulk-pressure.
3. Next, controls the volume of the Balloon to recover the damaged vertebral body with micro-pressure up to intact level of the vertebral body and check the amount of injected fluid to predict the cement volume.
4. Inject the proper quantity of bone cement into the operating region with Cannula.

## Features and Benefits

1. Possible to safely inject high density bone cement with required amounts.
2. Easy to make a hole by enclosed 'Spacer', and possible to insert the 'Cement Pipe' without pain.
3. By infusing high density bone cement, it can be adopted to the fracture body.
4. Almost no complication.





01. Approach to entry point of facet joint.
02. Remove the 'Guide Pin' and push the 'Spacer' through the 'Introducer Needle' to make the space for injecting the bone cement.
03. Fill up the bone cement into the 'Bone Cement pipe'.
04. Insert the 'Bone Cement pipe' through the 'Introducer needle'.
05. Infuse the bone cement into the body by 'Pusher'.

