

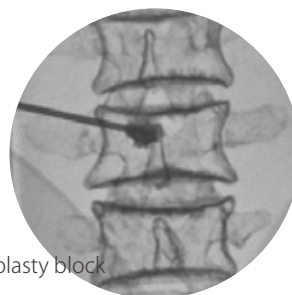
# Lumbar Spine Fluoroscopy Training Phantom

## Ideal training tool for hands-on workshop.

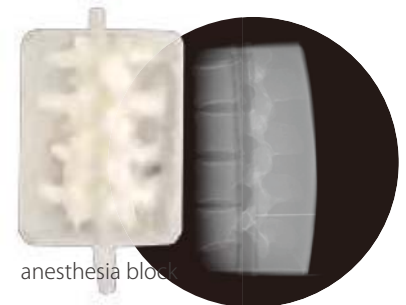
Lumbar Spine Fluoroscopy Training Phantom allows various training methods of fluoroscopic guided procedures in pain relief of the lumbar area. The phantom has two types of interchangeable and replaceable inserts with radio-opaque lumbar spine.

- The vertebroplasty block allows for simulating the procedures in percutaneous vertebroplasty (PVP), including advancement of the trocar into the vertebral body and injection of cement.
- The anesthesia block allows training in epidural anesthesia as well as needle placement for nerve blocks.

The phantom facilitates demonstration and training in a safe environment.



vertebroplasty block



anesthesia block

Product Supervision:  
Dr. David Wilson MBBS, BSc, MFSEM, FRCP, FRCR  
Consultant Radiologist St Luke's Hospital Oxford  
Senior Clinical Lecturer University of Oxford

## Features

1. Two types of replaceable training block
2. Lumbar spine L2-L5 can be visualized under X-ray.
3. True-to-life resistance to the needle
4. Self-sealing tissue
5. Vertebroplasty block: crispy material and sponge-like inner structure of the vertebroplasty bones allow needle perforation and injection of cement.
6. Anaesthesia block: realistic "pop" feeling when the needle tip reaches the epidural space and needle tip placement in the epidural space can be confirmed by injecting contrast media.

## Training Skills

- Fluoroscopic anatomy and landmarks
- Vertebroplasty
- Fluoroscopy guided epidural anesthesia:  
needle placement in facet joint injection, root block and discogram.

## Anatomies

Lumbar spine (L2-L5), spinal canal, epidural space (anaesthesia block only)

## Specifications

Set Includes:  
1 lumbar torso  
1 vertebroplasty block  
1 anesthesia block  
1 skin cover  
1 syringe  
1 irrigation bag  
1 instruction manual  
1 storage case

"I have been working with KYOTOKAGAKU Co. Ltd for 18 months to assist in designing a suitable phantom to enable us to teach vertebroplasty, kyphoplasty and coblation vertebroplasty.

The final result is as good a replica as we could possibly hope for in terms of the x-ray appearances and the phantom torso shape is excellent. There is solid material around the vertebrae that is removable so that the needle feels firmly held until it reaches the bone.

I have tested the final product with various different manufacturing kits and would have no hesitation in recommending these phantoms to clinicians who wish to teach any of the technical vertebroplasty procedures."

DR DAVID J WILSON MBBS BSc MFSEM FRCP FRCR  
CONSULTANT MUSCULOSKELETAL INTERVENTIONAL RADIOLOGIST