



Vertebroplasty

Vertebroplasty is a minimally invasive, image-guided therapy used to relieve pain from a vertebral body fracture through percutaneous injection of a cement

## Indication

Percutaneous vertebroplasty is indicated for

- painful osteoporotic complicated by vertebral fracture
- neoplastic vertebral compression fractures refractory to medical therapy as palliative treatment that typically provides immediate analgesia
- Vertebral hemangioma in severe focal spinal pain with radiologically unaggressive vertebral (body) hemangioma.

## Contraindications

Absolute contraindication

- Asymptomatic fracture
- Active osteomyelitis of the target vertebra
- Uncorrectable coagulopathy
- Allergy to vertebroplasty cement or opacifying agent

Relative contraindications

- Significant central canal narrowing from retropulsion of bony fragment or epidural tumor
- Ongoing systemic infection
- Myelopathy or radiculopathy from fracture level

Hook (EGTMH)





# Instruments

## Instruments

- Bone cement (French or Italian origin)
- Access needle
  - bevel tip
  - length 150mm
- Bone biopsy needle
  - With 3ml syringe
  - Sampling tube
- 10 ml syringe.

## Ease - of -use instruments

