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SPINAL SURGERY  
CRANIAL SURGERY  
MICRONEUROSURGERY  
SPINAL INSTRUMENTATION

## Kyphoplasty and Vertebral Compression Fracture (VCF)

### Indications for Kyphoplasty

Acute or sub acute VCF with  
Osteoporosis  
Steroid Induced Osteoporosis  
Multiple Myeloma  
Metastatic Disease

### Contraindication

Osteomyelitis

### Benefits of Kyphoplasty

Pain Relief  
Early and Increased Mobility  
Decreased Need for Narcotics  
Restoration of Vertebral Height

## Evaluation of Patients with Osteoporosis and Back Pain

### Who to Evaluate?

1. Patients with new or sudden increase in thoracic or lumbar pain are suspect for **Acute VCF**.
2. Patients with persistent non-improving pain, kyphotic hump, protruding abdomen, and loss of height are suspect for **Chronic VCF**.

### Evaluation

#### If Patient Is Able to Have MRI Scan:

1. AP and Lateral X-Ray of the Thoracic or Lumbar Spine
  2. MRI with Stir Images of the Thoracic or Lumbar Spine
- or

#### If Patient Is Unable to Have MRI Scan:

1. AP and Lateral X-Rays
2. CT Scan with Sagittal Reconstructions
3. Bone Scan

