

Vertebroplasty Questionnaire

Your name: _____

Institution Name: _____

Does your institution perform:

Vertebroplasty: Y N

Kyphoplasty: Y N

Skyphoplasty: Y N

Number of operators performing these procedures in your institution: _____

How many are:

Radiologists: _____

How many of these are:

MSK Radiologists: _____

Neuroradiologists: _____

Surgeons: _____

How long has vertebroplasty been performed in your institution? _____

Total number of cases performed:

Vertebroplasty: _____

Kyphoplasty: _____

Skyphoplasty: _____

How were you trained to perform this procedure?

Colleague

Fellowship

Course

Where do your referrals come from?

Rheumatologist: Y N (Percentage? _____)

Orthopaedic Surgeon: Y N (Percentage? _____)

GP: Y N (Percentage? _____)

Endocrinologist: Y N (Percentage? _____)

Geriatrician: Y N (Percentage? _____)

Oncologist: Y N (Percentage? _____)

Emergency Physician Y N (Percentage? _____)

Other: _____ (Percentage? _____)

What is the average waiting time for patients after referral? _____

For what indications do you perform vertebroplasty?

Osteoporotic Fracture: Y N
Pathological Fracture/Metastatic Disease: Y N

Others: _____

Do you perform:

Acetabuloplasty: Y N
Sacroplasty: Y N
Cementoplasty (other skeletal sites, please specify): Y N

Is vertebroplasty performed as:

Day case procedure: Y N

Duration of stay: _____ hours

Inpatient procedure: Y N

Duration of stay: _____ days

Pre-procedure

Prior to the procedure, are patients screened by a clinical colleague? Y N

If so, is this performed by:

Radiologist Y N
Neurosurgeon Y N
Rheumatologist Y N
Orthopaedist Y N
GP Y N

Other: _____

Pre-procedure, do you routinely perform:

Bone scan Y N
MRI Y N
CT Y N
Plain films Y N
Bone mineral densitometry Y N

Vertebroplasty Technique

Do you perform vertebroplasty using:

Local anaesthesia only Y N
Conscious sedation Y N
General anaesthesia Y N

If you use conscious sedation, what medications do you typically administer?

| | | |
|-----------|-------|---|
| Fentanyl | Y | N |
| Midazolam | Y | N |
| Others: | _____ | |

For non-GA cases, do you routinely have in attendance:

| | | |
|--------------|---|---|
| Anaesthetist | Y | N |
| Nurse | Y | N |

Do you use antibiotic cover:

| | | |
|-------------------|-------|---|
| Routinely | Y | N |
| Selected cases | Y | N |
| Which antibiotic? | _____ | |

Do you use a commercially available vertebroplasty set? Y N

| | | |
|----------|-------|---|
| Cook | Y | N |
| Stryker | Y | N |
| Cardinal | Y | N |
| Other: | _____ | |

What needle size do you typically use?

| | | | | |
|-----|-----|-----|--------|-------|
| 15G | 13G | 11G | Other: | _____ |
|-----|-----|-----|--------|-------|

What type of fluoroscopy do you use?

| | | |
|---------|-------|---|
| C-arm | Y | N |
| Biplane | Y | N |
| Other: | _____ | |

In approximately what proportion of vertebroplasties do you use a:

| | |
|---------------------|-------|
| Unilateral approach | _____ |
| Bilateral approach | _____ |

Post-procedure

Post-procedure, what analgesia do you typically give? _____

Do you routinely perform CT post-procedure? Y N

Are patients followed up by the pre-procedure assessment physician? Y N

How long after the procedure are patients first seen for follow-up? _____

Are patients seen in follow-up routinely after that (e.g. at 6 months or 1 year)? Y N
If so, how many months post-procedure are they seen? _____

Do you routinely use a recognized pain-scale for assessment? Y N

If so, do you use:

Visual-analogue scale Y N

Qualeffo or other quality of life questionnaire Y N

Oswestry, Roland or Quebec back pain disability scale Y N

Other _____

If yes, when are the questionnaires administered?

Pre-procedure Y N

Post procedure (within 2 weeks) Y N

Post procedure (after 2 weeks) Y N

Other (please specify schedule for the questionnaires): _____

Post-index procedure, have any patients returned with additional fractures for treatment?

Y N

If yes, what proportion: _____

Have there been any complications which required treatment?

Nerve root compression Y N

Cord compression Y N

Pulmonary embolus Y N

Number

Approximately what percentage of patients have:

Disk extravasation: _____

Venous extravasation: _____

Have you any additional points you would like to make?

