

Case 1 76 y.o. female

- ✿ C.C. :#1 Low back pain
#2 rt. leg pain
#3 difficulty of standing up straight
- ✿ PH: Colon cancer (disease free)
Osteoarthritis of bil. knee
Smoking (-), Alcohol (-)
- ✿ History of present illness
 - L3 vertebral fracture 2 years ago
 - Low back pain and rt. thigh pain for 6 months
 - conservative treatment was not effective



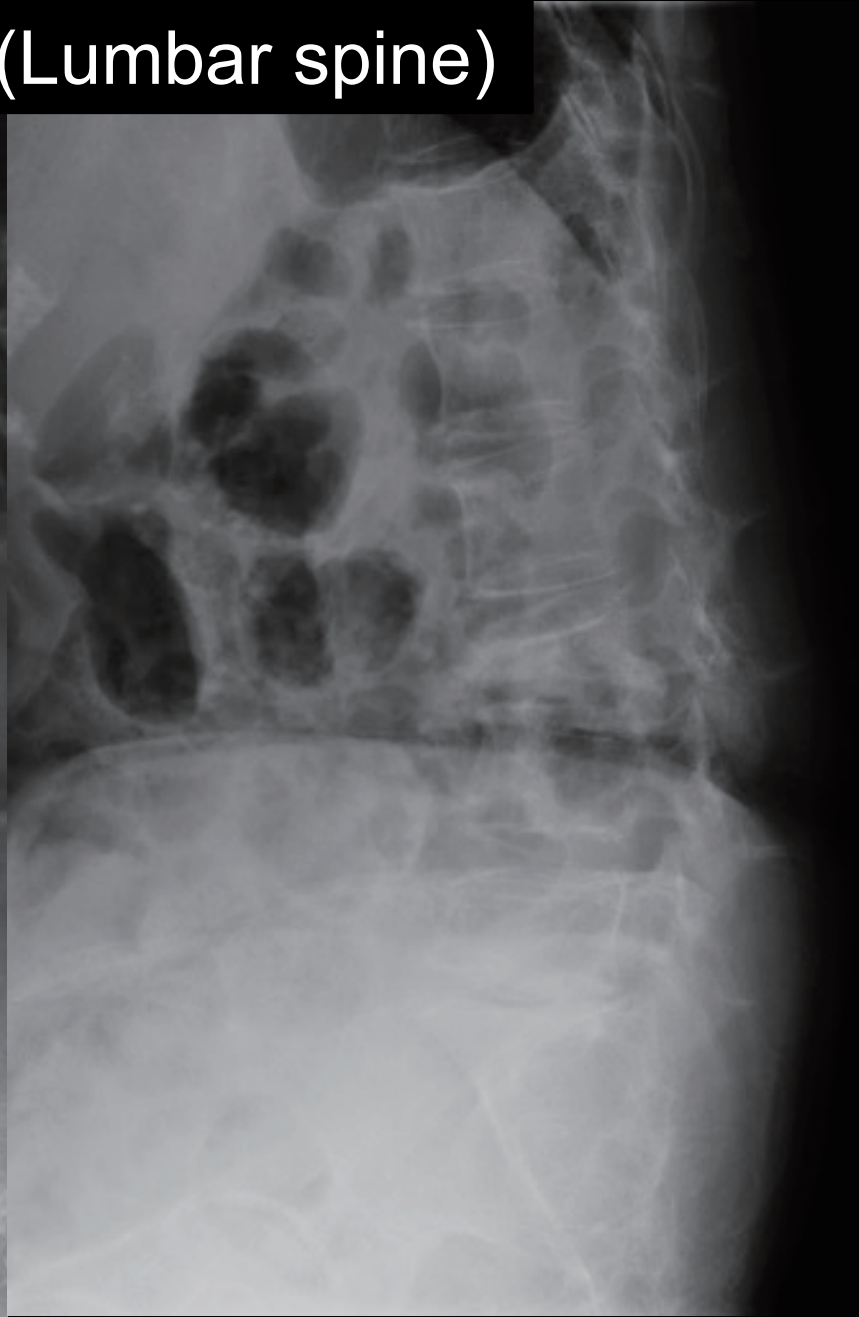
Case1 76 y.o. female

✿ Findings

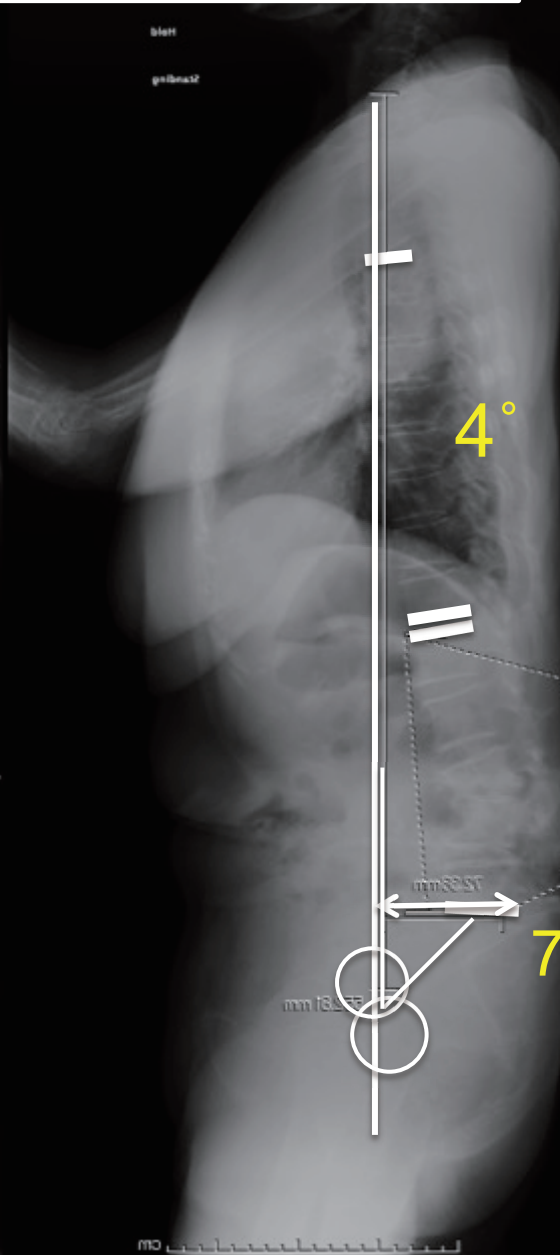
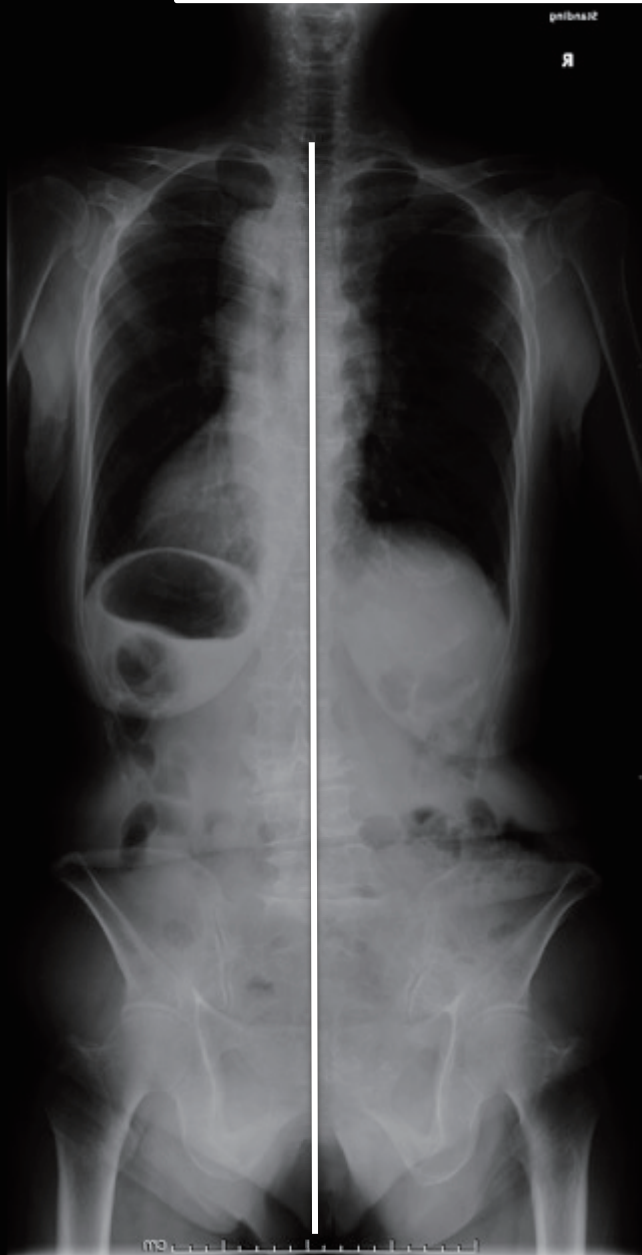
- Intermittent claudication:
50m (thigh pain and LBP)
- Hypoesthesia at rt. calf~foot
- MMT:IP5/5, QF4/4, TA4/4, EHL4/4, GC5/5
- PTR & ATR: normal
- BMD total hip 0.639g/cm², T-score: -2.5SD



X-ray (Lumbar spine)



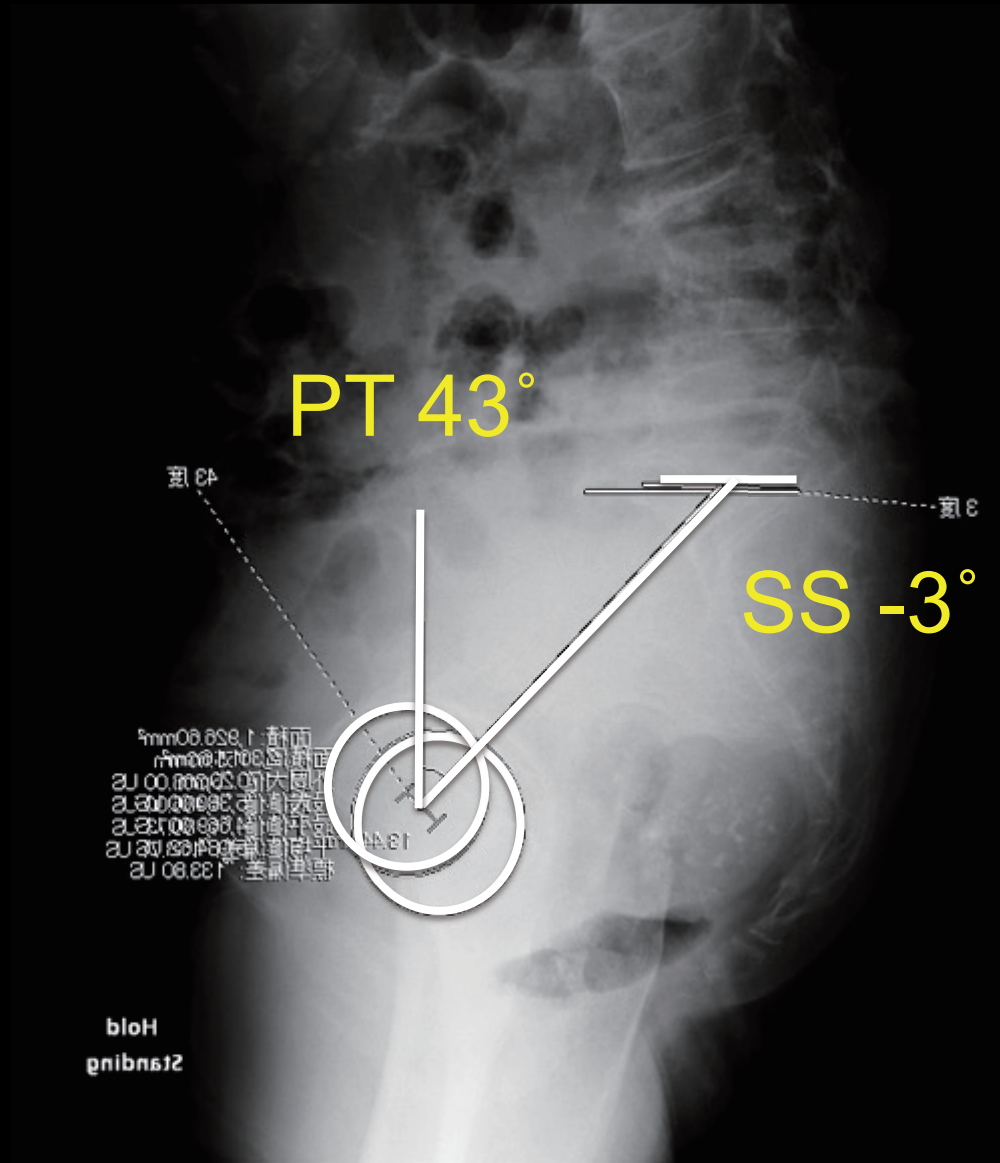
Standing X-ray with support



TK	4°
LL	-12°
SVA	72 _{mm}



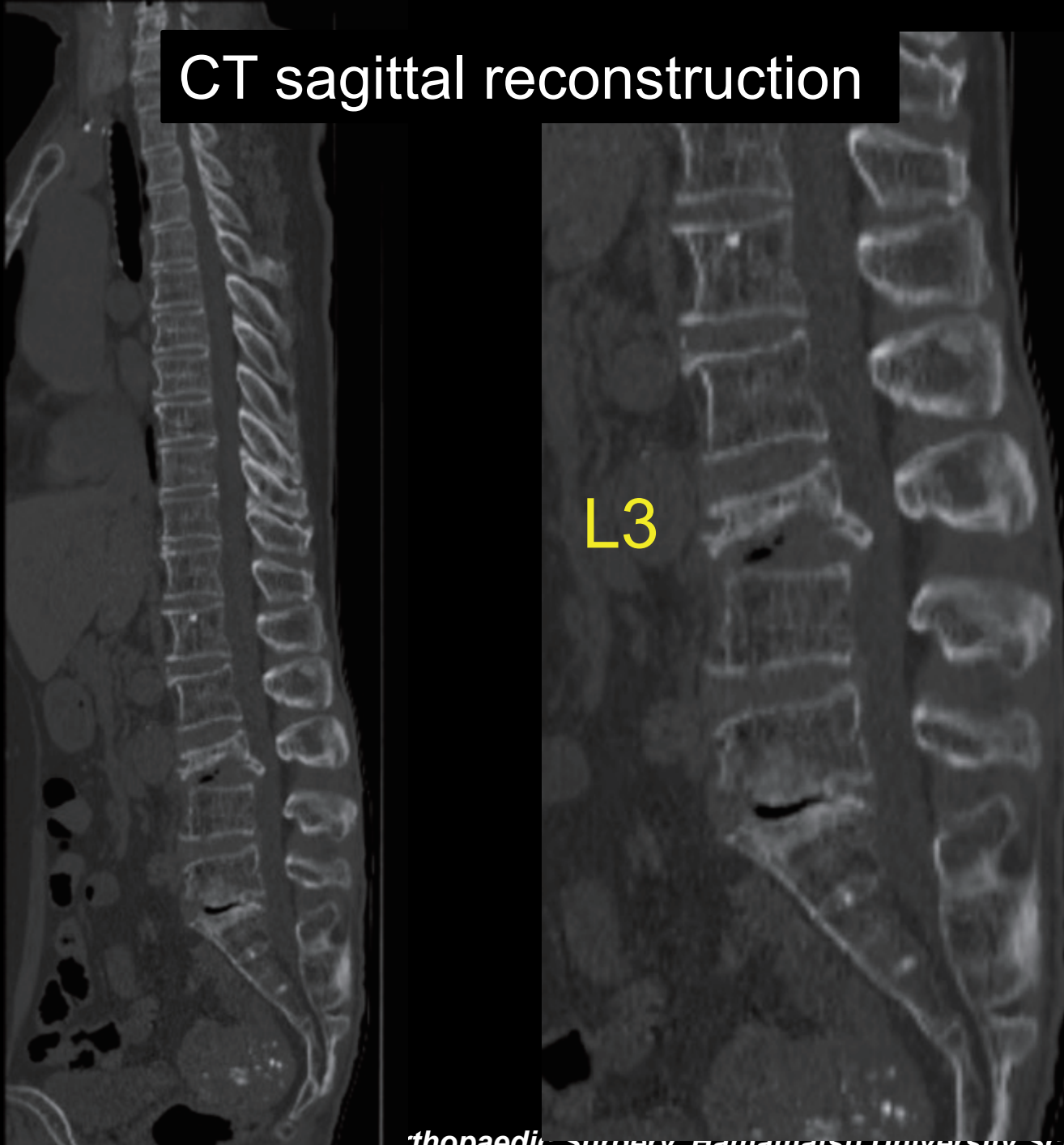
Sagittal view of Pelvic X-ray in standing position



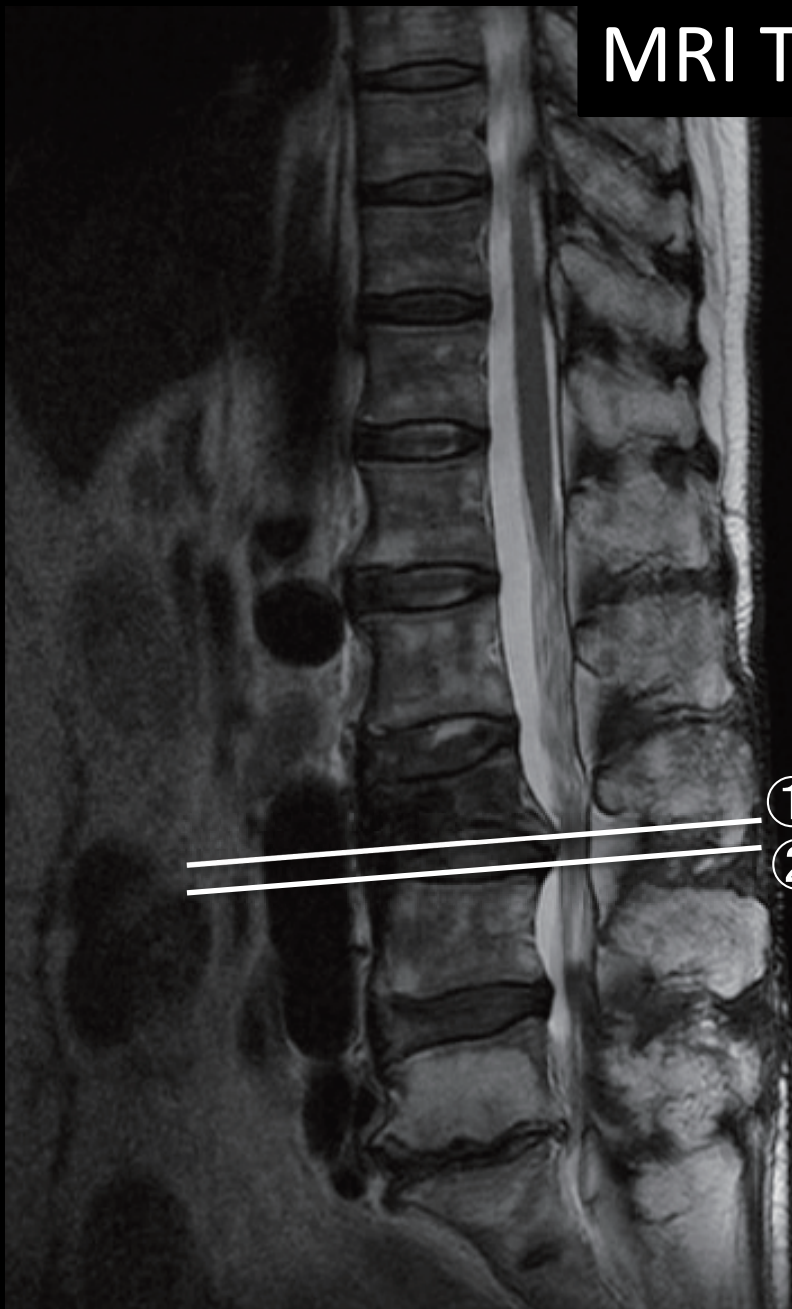
SS	-3°
PT	43°
PI	40°



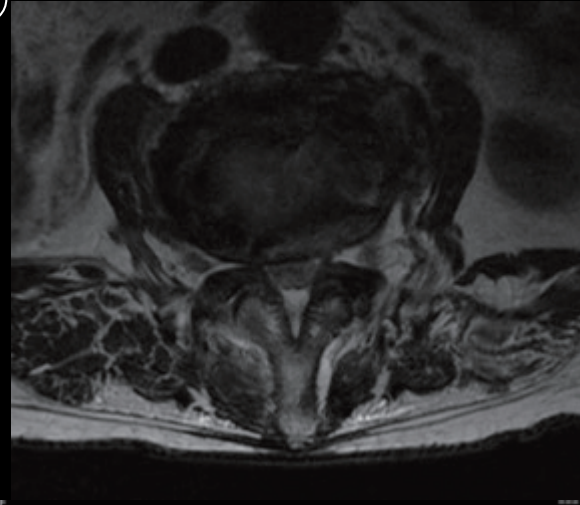
CT sagittal reconstruction



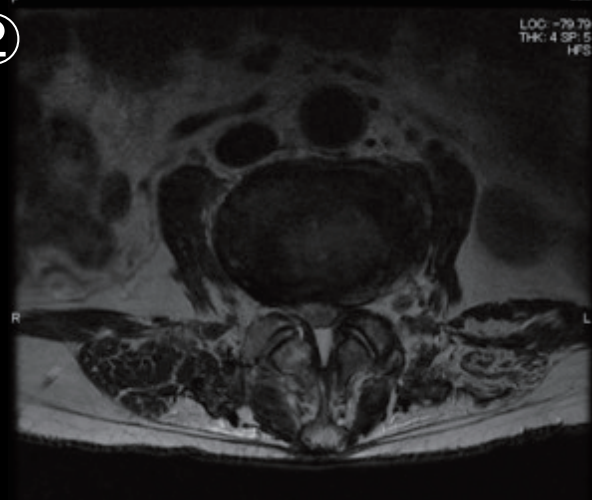
MRI T2WI



①



②



L3/4 severe stenosis



Case summary

- ✿ 76 y.o. female
- ✿ Low back pain > rt. thigh pain
- ✿ Lumbar spinal deformity with canal stenosis due to L3 vertebral fracture
- ✿ Severe osteoporosis but no treatment



Discussion

- ❁ What is your treatment plan? (deformity combined with canal stenosis and severe osteoporosis)?

Surgical? preoperative treatment? conservative? or course observation?

- ❁ When you treat this patient surgically, what is your plan?

Fusion levels, approach, osteotomy etc.

