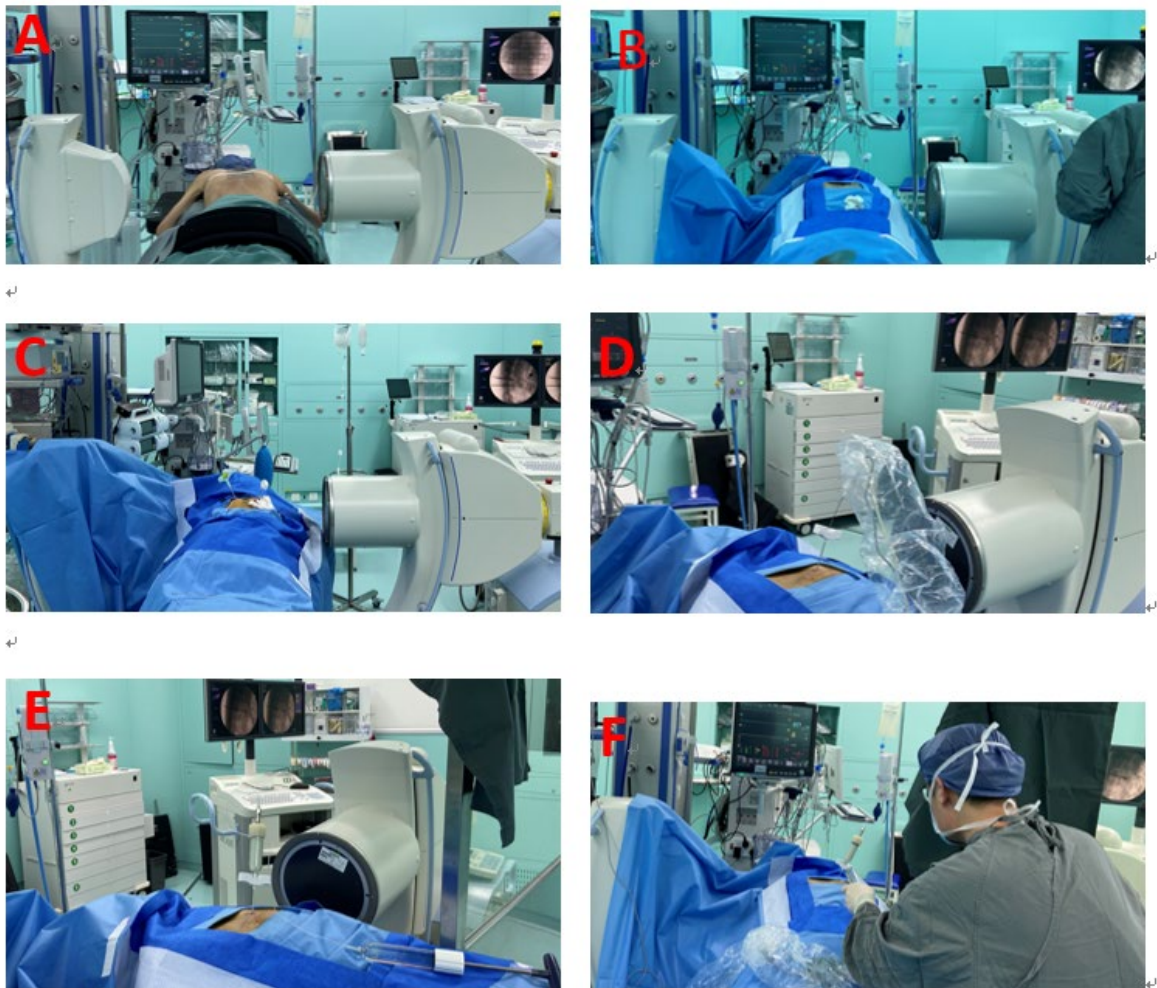


Supplementary figure 1



The images of surgery procedure (not from the same patient).

A: Patient was placed in the prone position. The operative level was identified under the guidance of C-arm fluoroscopy.

B: Puncture trocar was inserted from the vertebral pedicle to the anterior one-third of the vertebral body under the guidance of C-arm fluoroscopy.

C: A biopsy device was placed to obtain the bone fragments for pathology.

D: A monopole RFA electrode (17G) was inserted through the cannula.

E: Bone cement pusher filled with prepared high-viscosity polymethyl methacrylate bone cement was inserted into the vertebra.

F: Bone cement was injected into the vertebral body under intermittent fluoroscopic examination from the lateral plane.