

### Review 1

On Discussion The authors state that PVP is not effective in treating patients with sciatic and decompression of the compressed nerve root is needed. If this is only opinion of authors, they should mention the evidence of this opinion. If not only their opinion, they need to show references. ---PVP can only be for pathological vertebral body, cannot be carried out on the nerve roots and spinal cord decompression.

The authors state that Compared with traditional open surgery, PTED has the following advantages: The symptoms of nerve root compression can be relieved with less trauma, less bleeding, and less operation time. On the other hand, the authors also state that Before surgery, arterial embolization can significantly reduce the blood supply of the tumor, decrease blood loss during the operation, make it possible to completely resect the tumor, and increase the success rate of the operation. The authors should explain which is useful for less bleeding surgery surgical technique or pre-operative embolization.---Arterial embolization is useful for less bleeding surgery surgical technique,no matter which kind of decompression operation method was selected.Compared with traditional open surgery, minimally invasive surgery does not need to be soft tissue dissection, can reduce bleeding.

### Review 2

The authors reported an interesting case of minimally invasive management of an isolated lumbar metastasis in a patient with pulmonary adenocarcinoma. The abstract is concise. The title is clear. The background is short but gives a good introduction to the concept. The case is well-presented and the figures are reliable. The discussion is thorough. I only have some minor comments:

1) In the first line of the background section of the abstract, please remove the word "and" after the abbreviation (PTED)--Has been corrected

2) In the second line of the background, please replace the word "radiation" with "radiating"---Has been corrected

3) The abbreviation (PTED) was explained as "Percutaneous Transforaminal Endoscopic Discectomy" in the abstract, while in the main text it was explained as "Percutaneous Transforaminal Endoscopic Decompression". Please unify the abbreviation explanation along the entire text for (PTED). I believe that you did not perform a discectomy as decompression was done through resecting a part of the vertebral body and arch---Has been corrected,the part of the vertebral body and arch were resected,and Part of the lateral disc was removed.

4) The written language requires minor polishing. I suggest having it revised by someone fluent in English or a native English speaker---Has been corrected