

Supplementary Table 2. Summary of the previous reports of endoscopic surgery in spinal metastases patients

| Study | No. | Sex/age (yr) | Primary tumor | Level | Techniques | Results | Complication |
|--|-----|--------------|-------------------|-------|-----------------------------|---|--------------|
| Joo et al., ²⁸ 2012 | 1 | M/82 | Colon | T11 | Transforaminal | The pain disappeared immediately after surgery. | None |
| Tsai et al., ²⁹ 2018 | 1 | M/80 | Liver | S1 | Interlaminar | VAS arm pain decreased from 8 to 2 at 3 months after the surgery | NR |
| Gao et al., ³⁰ 2012 | 1 | F/71 | Colon | L3 | Transforaminal (both sides) | Prompt and permanent pain relief until the patient died 6 months later | None |
| Senturk and Unsal, ³¹ 2020 | 1 | F/72 | Lung | L3 | Interlaminar | Rapid pain relief after surgery | NR |
| Henderson et al., ³² 2020 | 2 | F/61 | Ovary | L2 | Transforaminal | Complete pain reliefs and resolution of weakness | None |
| | | M/50 | Urothelial cell | L5 | Transforaminal | Partial pain relief | None |
| Telfeian et al., ³³ 2020 | 4 | F/16 | Ewings-like tumor | T6 | Transforaminal | Immediate pain relief | None |
| | | F/75 | Lung | L5 | Transforaminal | NR | None |
| | | M/76 | Prostate | L4 | Transforaminal | Significant improvement of pain and motor recovery; remained symptom free at 1 year follow-up | None |
| | | M/85 | Prostate | L3 | Transforaminal | Significant pain relief after surgery; remained symptom free at 1-year follow-up | None |
| Kotheeranurak et al., ³⁴ 2022 | 1 | M/54 | Liver | C4–5 | Interlaminar | VAS arm pain decreased from 7 to 1 after the surgery | None |

L, lumbar; T, thoracic; VAS, visual analogue scale; NR, not reported.