Lobectomy requiring chest wall resection is usually performed by thoracotomy but thanks to the advances in the field of thoracoscopic surgery this procedure can be performed by video-assisted thoracoscopic surgery (VATS). Recent improvements in surgical devices and the experience gained in VATS enable this complex surgery for advanced stages to be undertaken safely. Most of the thoracoscopic lobectomies with rib resection are performed by using 3-4 incisions. However, the lobectomy and the chest wall resection can be performed by using only one incision. When a lung cancer with chest wall involvement is approached, we can perform the lobectomy first and tackle the chest wall once the lobe is freed. Alternatively, the rib resection can be done first and then finish the procedure with the lobectomy. This video shows a uniportal VATS lobectomy with en bloc chest wall resection through a 5-cm incision with no rib spreading (Figure 1). This uniportal video-assisted thoracoscopic lobectomy with en bloc chest wall resection is a feasible and safe technique. The full procedure can be performed by using only a single incision in selected cases.

Keywords: Chest wall resection; uniportal lobectomy; rib resection; video-assisted thoracoscopic surgery (VATS)
surgery was done by first performing the lobectomy and once the lobe was free, the chest wall resection was completed with the help of a conventional and an adapted long thoracoscopic rib cutter instrument. The postoperative course of the patient was uneventful.

Acknowledgements

None.

Footnote

Conflicts of Interest: The authors have no conflicts of interest to declare.

Informed Consent: Written informed consent was obtained from the patient. A copy of the written consent is available for review by the Editor-in-Chief of this journal.

References