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Thoracoscopic anterior mediastinal mass removal using an articulating laparoscopic instrument

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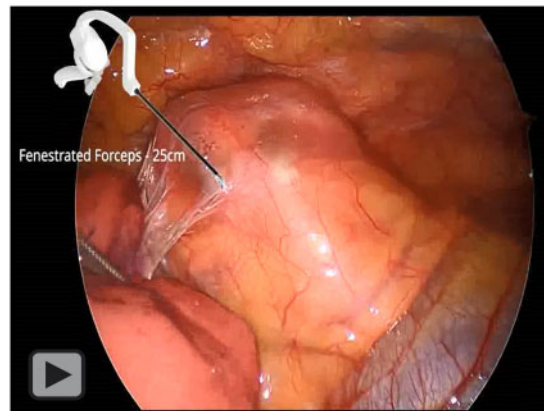
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Video 1: Technological advancement in thoracic surgery has transformed surgical approaches from open to minimally invasive surgery such as video- or robotic-assisted thoracoscopic surgery. However, conventional video-assisted thoracoscopic surgery has a limited range of motion and is therefore an impediment when performing complicated cases. A novel articulating wristed endoscopic instrument provides an experience similar to that of robotic-assisted thoracoscopic surgery, while also maintaining tactile sensitivity. We present a case of the successful removal of a bimanually performed thoracoscopic anterior mediastinal mass, with no major postoperative morbidity. This instrument might be an alternative to robotic-assisted thoracoscopic surgery, although a learning curve is needed for its handling.

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