

AB005. Evolution for pulmonary sequestration resection by VATS approach in NCKUH

Tzu-Hung Lin, Chao-Chun Chang, Wei-Li Huang, Yi-Ting Yen, Ying Yuan Chen, Yau-Lin Tseng

Division of Thoracic Surgery, Department of Surgery, National Cheng-Kung University Hospital, Tainan, Taiwan

Background: Surgical intervention is a cure method for pulmonary sequestration. Patients usually complain upper airway symptoms after being adult. We reviewed those patients diagnosed pulmonary sequestration and underwent surgery in NCKUH. Since uniportal video assisted thoracic surgery (VATS) anatomical resection started in 2016, we collected the information to figure out the evolution from multi-portal approach to uniportal approach.

Methods: We reviewed the patients who had pulmonary sequestration and received surgical treatment. The general data such as surgery procedure and postoperative care is collected. The uniportal approach is beginning in 2016.

We make a comparison between multiportal group and uniportal group.

Results: This study is from 2007 to 2017 and the total patient number is eighteen. We exclude wedge resection for anatomical resection comparison. There are five patients in multiportal group and six patients in uniportal group. There is no difference in surgery time and blood loss between the two groups. However, the chest tube extraction is shorter in uniportal group.

Conclusions: Anatomical resection is an optimal approach for treating pulmonary sequestration. After ten years practice for thoracoscopic surgery, uniportal approach is evolving and being mature in our hospital.

Keywords: Video assisted thoracic surgery (VATS); uniportal; pulmonary; sequestration; resection

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