

Ten-year experience in the clinical management of intralobar pulmonary sequestration in children

chang xu¹, Chenyu Liu¹, Kaisheng Cheng¹, Taozhen He¹, Miao Yuan¹, and Dengke Luo¹

¹Sichuan University West China Hospital

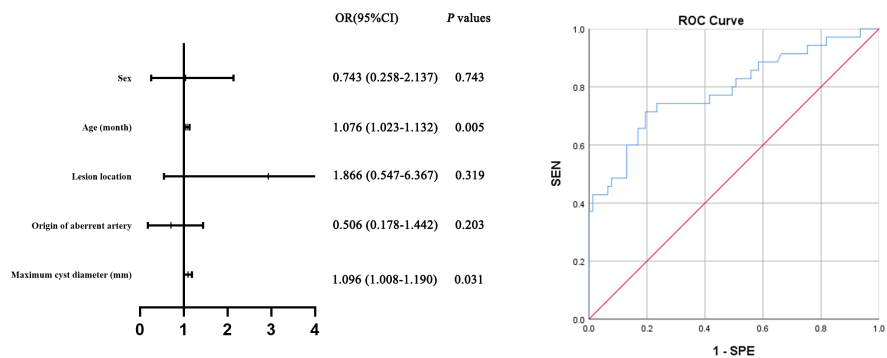
September 26, 2022

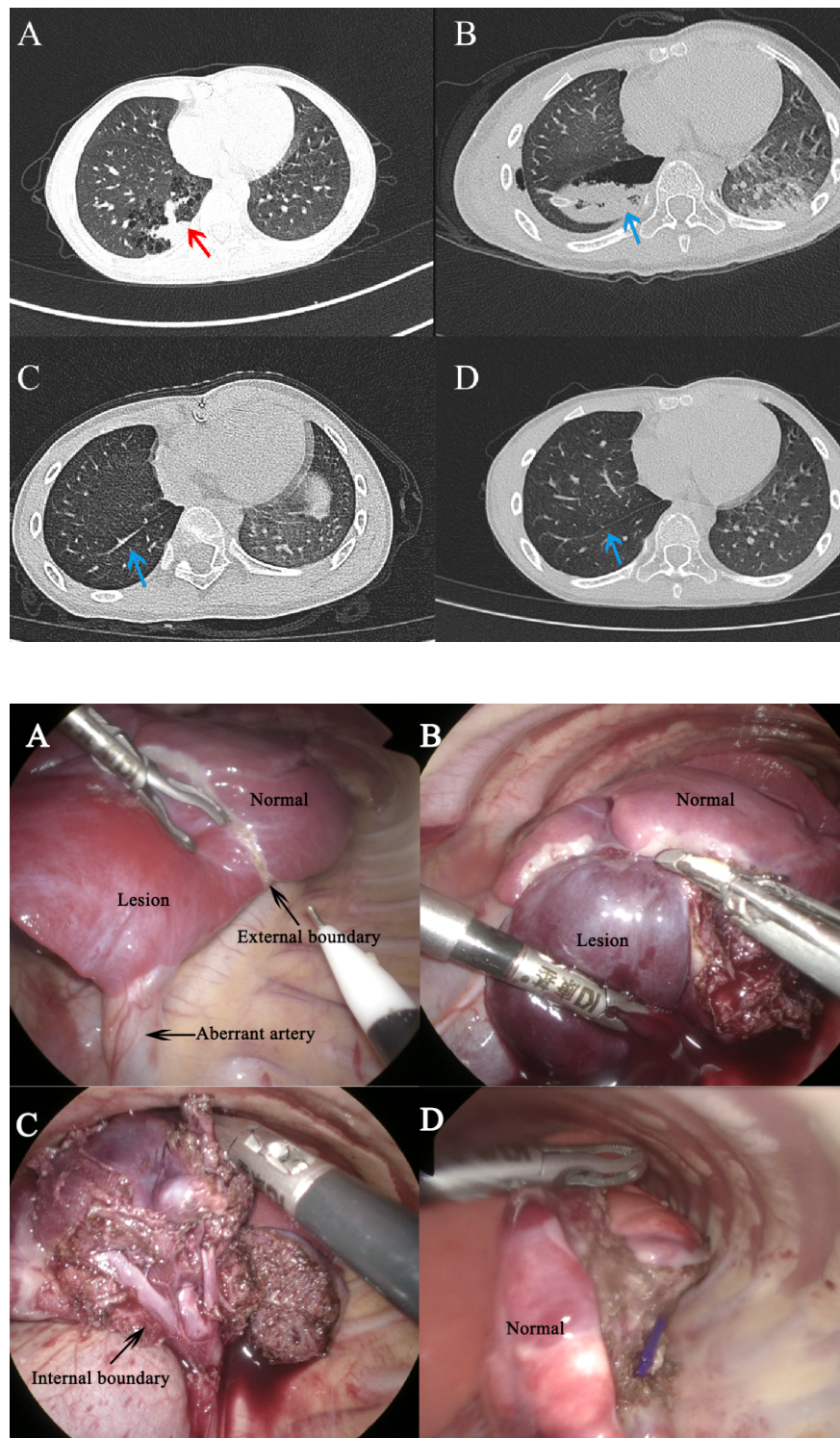
Abstract

Objectives: Intralobar pulmonary sequestration (ILS) is rare and its optimal clinical management remains ambiguous. This study aimed to introduce our ten-year experience in clinical management of ILS. And the application of our novel surgical method, thoracoscopic anatomical lesion resection (TALR) on ILS was introduced. **Materials and Methods:** Patients with ILS who received treatment between December 2010 and December 2020 were included in this study, retrospectively. A binary logistic regression model was used to assess risk factors for preoperative symptoms. Intraoperative and postoperative outcomes were compared between the thoracoscopic lobectomy and lung-sparing surgery groups. **Results:** A total of 112 patients were included in this study. Age and maximum cyst diameter were risk factors for preoperative symptoms. Lung-sparing surgery proved to be safe and feasible with no residual lesions. **Conclusions:** The overall prognosis of early thoracoscopic surgery for ILS was good. Lung-sparing surgery, especially TALR could be used as a first-line surgery for ILS. It may resolve the long-standing controversy over whether surgery for asymptomatic patients with ILS.

Hosted file

manuscriptV1.0.doc available at <https://authorea.com/users/508685/articles/587722-ten-year-experience-in-the-clinical-management-of-intralobar-pulmonary-sequestration-in-children>





Hosted file

Image Legends.doc available at <https://authorea.com/users/508685/articles/587722-ten-year-experience-in-the-clinical-management-of-intralobar-pulmonary-sequestration-in-children>

Hosted file

Table 1.doc available at <https://authorea.com/users/508685/articles/587722-ten-year-experience-in-the-clinical-management-of-intralobar-pulmonary-sequestration-in-children>

Hosted file

Table 2.doc available at <https://authorea.com/users/508685/articles/587722-ten-year-experience-in-the-clinical-management-of-intralobar-pulmonary-sequestration-in-children>