



Thoracoscopic Segmentectomy for Congenital Pulmonary Malformation in a Pediatric Patient

July 9, 2025  

Dra. Carazo, paediatric surgeon in La Fe hospital , Valencia, Spain

A 10-year-old pediatric patient was admitted through the emergency department with spontaneous pneumothorax and was subsequently diagnosed with a congenital pulmonary malformation.



Dissection plane in thoracoscopic segmentectomy (RUL anterior & middle lobe lateral segments).

The patient underwent video-assisted thoracoscopic surgery (VATS) for segmentectomy of the anterior segment of the right upper lobe and the lateral segment of the right middle lobe.

The procedure was performed using state-of-the-art technology, enabling precise dissection with maximal preservation of pulmonary tissue. In this case, Fullbright THORAPLER, featuring an ultra-slim 8mm shaft designed for precise dissection in anatomically restricted thoracic spaces — ensuring maximal preservation of healthy lung parenchyma.

Postoperative recovery was uneventful, with chest tube removal at 24 hours due to the absence of air leak.

This case exemplifies the value of minimally invasive thoracic techniques and multidisciplinary collaboration in the management of complex pediatric pulmonary conditions.

Contributors

Alfredo Marco (Head)

Carlos Gutiérrez

Javier Gómez-Chacón

Jorge Cortés

Carazo Palacios María Elena

Carmen Ortiz

Consuelo García

Cati Miravé

Mise Cover

Cristina Núñez

| All team members contributed to the perioperative management and successful outcome of the case.



NEWSLETTER

Fulbright Insights

Medical Trends & Tech with a Fulbright Focus

...

Subscribe on LinkedIn