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Joint Meeting on  
**THORACIC  
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11<sup>th</sup> International Meeting on General Thoracic Surgery



Hospital  
Universitari  
Sagrat Cor

10<sup>th</sup> International Workshop on Surgical Exploration of the  
Mediastinum and Systematic Nodal Dissection



5<sup>th</sup> Meeting of the Thoracic Oncology, Thoracic  
Surgery, Techniques & Transplant, Respiratory Nursing  
and Respiratory Physiotherapy Areas of the Spanish  
Society of Pneumology and Thoracic Surgery (SEPAR)



3<sup>rd</sup> Joint Meeting of the Spanish Society of  
Thoracic Surgery (SECT)



30<sup>th</sup> Congress of the 'Asociación Iberoamericana  
de Cirugía Torácica' AIAC



10<sup>th</sup> International Workshop on Surgical Exploration of the  
Mediastinum and Systematic Nodal Dissection



## COMPLICATED HYDATIC CYSTS OF THE LUNG: REPORT OF 170 SURGICALLY TREATED

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!\*The hydatid cyst of the lung is an endemic parasite in Tunisia. It is apparently a benign pathology but it can be serious due to its complications. The curative treatment of this pathology is surgery. \*Report the clinical features of complicated pulmonary hydatid cysts and evaluate their surgical management. \*Retrospective descriptive study including 170 complicated pulmonary hydatid cysts, operated on in the thoracic surgery department of the Abderrahmen Mami Hospital in Ariana from January 2019 to December 2023. \*We collected 170 cases with a sex ratio of 1. The average age was 30 years [8-82 years]. The main symptoms were pneumonitis, cough, chest pain and hemoptysis. All patients underwent chest X-ray and CT scan. Hydatid serology was performed in 40% of patients. Only 50% of patients had abdominal CT scans. A hydatid cyst of the liver was noted in 25% of patients. The right lung was the one most affected. The majority of cysts were located in the lower lobe (90%). The average time from clinical onset to surgery was 3 months. Postero-lateral thoracotomy was the most frequently used approach (88%). All patients underwent selective intubation. The main procedure performed was a cystectomy associated with a pericystectomy with lining of the residual cavity (85%). Lobectomy was performed in 20 cases. Cysto-bronchial fistula was noted in 75% of patients. The average duration of drainage was 4 days. Postoperative management was straightforward in 95% of cases. No deaths were reported. The most common complication was atelectasis. The average hospital stay was 6 days. \*Surgery is the radical and effective procedure for the removal of complicated hydatid cysts. Preoperative preparation is essential to avoid complications.