



# Sixth International Joint Meeting on **THORACIC SURGERY**

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Auditorio Foment del Treball Nacional, Barcelona (Spain)

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" AIACT



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



## **DIAGNOSTIC VALUE OF ENDOBRONCHIAL ULTRASOUND- GUIDED TRANSESOPHAGEAL NEEDLE ASPIRATION (EBUS- TENA) IN LESIONS ADJACENT TO BOTH THE TRACHEA/BRONCHUS AND ESOPHAGUS**

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### Objective

To investigate the clinical diagnostic value of endobronchial ultrasound-guided transesophageal needle aspiration (EBUS-TENA) in lesions adjacent to both the trachea/bronchus and esophagus

### Methods

The clinical data of 27 patients who underwent EBUS-TENA from February 2019 to February 2022 were collected. The operative physicians and nurses worked closely with each other and meticulously cared the patients. The vital signs changes were observed and recorded, as well as intraoperative adverse events and the acquired specimens.

### Results

All the 27 patients underwent surgery successfully, and hair-like tissue strips were obtained in each case. There were 19 cases of central lung cancer and 8 cases of mediastinal tumor. The preoperative vital signs scores showed no significant difference with the intraoperative and postoperative scores ( $P > 0.05$ ). A few complications occurred, including 2 case of mild cough, 2 case of nausea and vomiting, with no symptoms of severe cough and dyspnea, haemorrhage, mediastinal infection, pneumothorax, mediastinal emphysema and other complications.

### Conclusion

EBUS-TENA has significant effect in successfully obtaining pathological tissue specimens especially for lesions adjacent to both the trachea/bronchus and esophagus, improving disease positive diagnosis rate, reducing patients discomfort and the risk of surgery.