



Procedures

SECURITY AND OUTCOMES OF BRONCOSCOPY AND TORACOSCOPY IN THE UNIVERSITY HOSPITAL OF CUCUTA CITY, 2013 - 2017

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PURPOSE: Worldwide, bronchoscopy and thoracoscopy are procedures widely used in pulmonary, pleural and thoracic pathologies. They are essential tools for the diagnosis and treatment of pulmonary diseases, especially those of non-established etiology. Because of their safety for some years, the indications of these procedures have been extended.

METHODS: We conducted a retrospective review of patients who underwent bronchoscopy and thoracoscopy in a governmental hospital between 2013 and 2017, the follow-up was carried out during the hospital stay and until the medical discharge. We perform a mixed effects analysis to evaluate the security profile.

RESULTS: We included 744 patients, represented 68.1% by men, with an average age of 50.7 ± 19.6 years, and 4% of foreign population. 40.3% of the procedures correspond to fibrbronchoscopy, 15.3% to thoracoscopy and 44.4% to both procedures. The highest rate of complications (10.5%) corresponds to pain at the surgical site. Only 28 patients needed reoperation. for tuberculosis and cancer, the performance of the procedures was up to 98%, compared to 55% (other samples). Our mortality rate was estimated at 2.4%.

CONCLUSIONS: The outcomes vary according to the procedure. In addition, our study confirms that the procedures are safe, and that they are associated with a low incidence of complications and mortality.

CLINICAL IMPLICATIONS: We propose that with the safety profile of the procedures, they can be included as means for the correct approach of the pathologies, specially in the public interest. We promoting their expansion in the largest number of medical centers, including an indirect benefit when reducing hospital and medical costs.

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