

Patients Undergoing Diagnostic Bronchoscopy at General Ahmad Yani Hospital in 2023: A Profile of Lung Cancer Types

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Abstract : Flexible fiberoptic bronchoscopy (FFB) is the essential method for both the diagnosis and staging of central lung cancer. Concerning central lesions, the sensitivity of endobronchial forceps biopsy of a visible endobronchial lesion is 74%. The aim is to determine the distribution of lung cancer types of patients diagnosed with and who underwent bronchoscopy at General Ahmad Yani Metro Hospital. **Methods:** This study is a cross-sectional descriptive study. Data are obtained from histopathological results of lung malignancy through bronchoscopy either from forceps biopsy, washing and brushing. **Results:** Lung cancer is more found in men (72.2%) than women (27.8%). The average age for men ranges 57 years old for Non-Small Cell and 56 years old for Small Cell case. Most histopathology found in non-small cell lung cancer (87.7%), with adenocarcinoma as the most common type (68.4%), followed by squamous cell carcinoma (29.1%). Findings for adenocarcinoma showed that men had an incidence of 64.8% and women had an incidence of 35.2%. Like NSCLC, men can have up to 90% of cases of SCLC compared to 10% in women. In addition to non-small cell and small cell types, other types, such as large cells and renal carcinoma metastases, were obtained. **Conclusions:** Adenocarcinoma lung cancer is the most widely obtained type with predominantly male patients.

Keywords : bronchoscopy, forceps biopsy, washing, brushing

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