

7.19 An Evaluation of User Satisfaction and Technical Complications of Ambu® aScope 5™ in a Quaternary Referral Centre Bronchoscopy Unit

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Background: Single-use flexible bronchoscopes (SUFBS) are advantageous over reusable bronchoscopes including portability and cost effectiveness, and potentially reduced infection transmission. We reviewed the performance of Ambu® aScope™ 5 Broncho in our institution. **Methods:** Data was collected prospectively on procedures performed with the Ambu® aScope 5™ in our centre. Data included patient demographics, procedure details (location, indication, SUFB size, procedures, complications), user satisfaction and demographics. **Results:** 98 (42 female, 56 male) procedures were performed with the Ambu® aScope™ 5, all in the endoscopy suite. Various sized models (n) were used - 2.7/1.2 (3); 4.2/2.2 (4); 5/2.2 (60); 5.6/2.8 (31). Infection was the leading indication while others included malignancy, haemoptysis, sarcoidosis. The most common procedure (n) was airway inspection (98); bronchoalveolar lavage (84), brushings (3), endobronchial biopsies (5), transbronchial needle aspiration (1), and argon plasma coagulation (1) were among others. Average user satisfaction rating (1 – 5) was 4.8 [5 (85); 4 (9); 3 (1); 2 (3); 1 (0)]. The most common reason for user dissatisfaction was suction (n = 3). Conversion to reusable bronchoscope was not required in any case. There were no patient-related complications.

Conclusion: Within this cohort of patients, the Ambu® aScope 5™ was safe and versatile with a high level of user satisfaction. **Keywords:** single use flexible bronchoscope, bronchoscopy, interventional pulmonology **Disclosures:** Professor Marcus Kennedy has received speaker fees from Pentax Medical, Boston Scientific and The Surgical Company. He has served as a key opinion leader for The Surgical Company and on advisory boards for Boston Scientific and AMBU Endoscopy.