A two year review of day bronchoscopy service from 1/4/2012 to 31/3/2014 in Respiratory Medical Department, Kowloon Hospital

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Introduction
A day bronchoscopy service was started in RMD in January 2008. Patients were admitted on the day of bronchoscopy and aimed for same day discharge. A two-year period review from 1/4/2010 to 31/3/2012 was conducted in 2012. The present audit studied the performance of day bronchoscopy service from 1/4/2012 to 31/3/2014 and to compare the results with the last review.

Objectives
The present audit studied the performance of day bronchoscopy service from 1/4/2012 to 31/3/2014 and to compare the results with the last review.

Methodology
This is a 2 year (1/4/2012 – 31/3/2014) retrospective review to evaluate the effectiveness and safety of the day bronchoscopy service in Respiratory Medical Department Kowloon Hospital.

Result
Within the review period, 1233 bronchoscopic procedures were performed for 1120(90.84%) day patients and 113(9.16%) in-patients. The default rate for day bronchoscopy was 6.52%. Bronchoscopy was done for those in-patients who were admitted on an urgent base because of chest infection, haemoptysis, etc. 1076(96.07%) day patients were discharged on the same day after bronchoscopy whereas 44(3.93%) day patients were kept in ward for observation because of haemoptysis, desaturation, fever or high blood pressure after bronchoscopy. Comparison between two 2-year review results (10-12 vs 12-14) The percentage of day bronchoscopy is maintained around 90% in the two review periods. The default rate slightly decreased from (7.97% in 10-12 review) to (6.52% in 12-14 review). It may be due to better communication, understanding of the procedure from the patient and reminder telephone before the procedure. A higher percentage of day patients
were discharged on the same day in the recent two year review (96.7% in 12-14 vs 93.7% in 10-12). Safety of day bronchoscopy There was no bronchoscopy-related severe incident during the review period. Conclusion The day bronchoscopy service in RMD, KH is effective and safe. Improvement was observed in the default rate and rate of same day discharge in 2012-2014 review period compared those in 2010-2012 review period.