

10.17 Clinical Audit of Bronchiectasis admissions in a tertiary referral centre and their management

James O'Hanlon^[1], Marco Maero^[1], Michael McMonagle^[1], Peter Branagan^[1]

^[1]Department of Respiratory Medicine, Beaumont Hospital, Dublin 9

Background: Both the ERS and BTS have published guidelines on the management of bronchiectasis patients. We examined adherence to these guidelines in patients presenting to Beaumont Hospital.

Methods: We looked at data from all bronchiectasis admissions to Beaumont Hospital in 2021. We used a combination of electronic patient records, written clinical notes, and electronic radiology systems to determine whether standard of inpatient care and follow-up management conformed to international standards.

Results: Data from 107 patients was audited. Frequency of investigations was variable, such as sputum MC&S (81%), CXR (91%), serum immunoglobulins (52%), total IgE (42%), and ABPA (40%). 81% of patients had appropriate antibiotics prescribed. Duration of antibiotic therapy was 14 days in 52% of cases. 64% of patients received chest physiotherapy. In the outpatient setting, the majority had recommended annual investigations including sputum MC&S (62%), spirometry (56%), and MRC Dyspnoea score measurement (50%). 45% of patients performed airway clearance. 20% used adjunctive airway clearance devices, while 57% used home nebulisers. 45% of patients received formal airway clearance education.

Conclusions: Overall, there was good adherence to established international guidelines seen throughout the audit period. However, we identified several areas for improvement in terms of post-exacerbation care and follow-up management.

Disclosures: the authors declare that they have no conflicts of interest.