

5.14 BIPAP Indications, compliance and usage – a retrospective audit in Beaumont Hospital.

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The use of non-invasive ventilation (NIV) in an appropriate manner in acute respiratory failure is used to improve outcomes. BTS guidelines recommend that patients who meet criteria for acute NIV should start NIV within 60 minutes. We describe a retrospective audit of the indications, and adherence of BIPAP initiation in patients managed on the Respiratory Wards of Beaumont Hospital, during a 4-week calendar period from July – August 2022. Hospital guidelines recommend that those commenced on NIV, a prescription be completed along with the most recent ABG results recorded. It is recommended that for any adjustments to settings be recorded and updated in the BIPAP prescription. 10 patients were chosen at random from the cohort commenced on BIPAP, in a 70% to 30% ratio of female to males. The median age was 63.5 years. 60% of those commenced had a previous diagnosis of underlying COPD, with 50% of that population group having been established on home NIV. 50% of those commenced on NIV were for infective exacerbations of COPD. Other outcomes analysed showed poor compliance with time to NIV commencement, response to NIV using arterial blood gases, and compliance with local hospital BIPAP documentation. Our plan is to expand our cohort of patients, with further audits in 6 months post education with the NCHD cohort.

Conflict of Interest: None to declare