

9.18 Retrospective audit on the use of sedation during bronchoscopy/EBUS in Beaumont Hospital

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Background: Most bronchoscopists use sedative drugs in bronchoscopy. There is no standardised practice internationally on the use of sedation in bronchoscopy/EBUS. Recently a national bronchoscopy quality improvement committee has been formed with a view to the creation of Key Quality indicators (KQIs) including sedation that will reflect high quality Bronchoscopy practice.

Method: Retrospective audit to assess dose of midazolam, fentanyl and lidocaine used during bronchoscopy/EBUS in Beaumont hospital between January and April 2023. Data was obtained from bronchoscopy reports on the Beaumont computer system and EndoRAAD (endoscopy reporting programme). Our findings were then compared to BTS guidelines and with other international data available.

Results: 224 procedures were carried out between January to April 2023. 158 bronchoscopies and 66 EBUS. Table 1 summarises the results of the doses used. The median doses used were midazolam 3mg and fentanyl 25mcg in bronchoscopy, with midazolam 3mg and fentanyl 50mcg in EBUS. There is a paucity of guidelines with regards to the recommended doses of sedation that should be used.

Conclusions: The results from our audit would conclude that our practice of sedation use in bronchoscopy/EBUS is in line with available international recommendations. Local/national guidelines need to be created based on our current practice and on the international guidelines available.

Conflict of Interest: The authors declare that they have no conflict of interest.

References

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