

# European Respiratory Society Annual Congress 2012

**Abstract Number:** 2523

**Publication Number:** P286

**Abstract Group:** 1.4. Interventional Pulmonology

**Keyword 1:** Bronchoscopy **Keyword 2:** No keyword **Keyword 3:** No keyword

**Title:** Endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) under conscious sedation: Patient satisfaction in a UK tertiary centre

Dr. S. 2483 Huq syedhuq@nhs.net MD <sup>1</sup>, Dr. S. 2484 Kazmi murtaza.kazmi@gmail.com MD <sup>1</sup>, Dr. C. 2485 Smyth colin.smyth@rlbuht.nhs.uk MD <sup>1</sup>, Dr. T. 2486 Giles tom.giles@rlbuht.nhs.uk MD <sup>2</sup>, Dr. M. 2487 Walshaw martin.walshaw@lhch.nhs.uk MD <sup>1</sup>, Dr. S. 2488 Binukrishnan sukumaran.binukrishnan@lhch.nhs.uk MD <sup>1</sup> and Dr. K. 2489 Mohan kamlesh.mohan@lhch.nhs.uk MD <sup>1</sup>. <sup>1</sup> Department of Respiratory Medicine, Liverpool Heart and Chest Hospital NHS Foundation Trust, Liverpool, United Kingdom and <sup>2</sup> Department of Pathology, Royal Liverpool and Broadgreen University Hospitals NHS Trust, Liverpool, United Kingdom .

**Body:** Background There is a variation in the modality of sedation/anaesthesia used during EBUS-TBNA. Despite this, there are no studies assessing patient satisfaction. We therefore conducted a prospective study to characterize patient satisfaction with EBUS-TBNA performed under conscious sedation. Methods 101 consecutive patients (mean age 64) undergoing EBUS using topical lignocaine and iv midazolam were evaluated using a structured questionnaire 2 hrs post procedure. Results The mean dose of lignocaine throat spray was 178 mg and 99% received transtracheal lignocaine. The mean dose of iv midazolam was 3.3 mg and all patients were adequately sedated. 161 lymph nodes (stations 2, 4, 7, 10 & 11) were biopsied with a mean size of 1.7 cm (range 0.6-4 cm, less than 1 cm nodes 22). Mean duration of procedure was 20 mins and the mean number of needle passes per node was 2.3. EBUS was diagnostic in 96% and there were no complications.

Frequency of reported symptoms (%) during EBUS-TBNA

| Symptoms                                | Unable to recall | None | Small amount | Significant amount |
|---|------------------|------|--------------|--------------------|
| Discomfort from throat spray            | 6                | 18   | 63           | 13                 |
| Discomfort from transtracheal injection | 26               | 51   | 23           | 0                  |
| Discomfort from camera insertion        | 22               | 43   | 30           | 5                  |
| Cough                                   | 13               | 24   | 50           | 13                 |
| Throat pain                             | 4                | 43   | 49           | 4                  |
| Chest pain                              | 6                | 72   | 22           | 0                  |

86% were tolerant of the procedure and the overall patient satisfaction was 97% (good - excellent). 78% would definitely return and 19% would probably return for a repeat procedure if needed. Conclusions  
EBUS-TBNA under conscious sedation is safe and well tolerated. Conscious sedation is physician delivered and less resource intensive, and therefore could be adopted as the method of choice as EBUS services continue to expand.