CONSENT FOR MEDICAL THORACOSCOPY: THE TRUTH, THE WHOLE TRUTH AND NOTHING BUT THE TRUTH?

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Introduction Failure to provide adequate information for valid informed consent may impact negatively on patient satisfaction and trust, and is a common cause of medical litigation. Some professional societies produce standardised consent forms in an attempt to reduce variation in quality of consent. There is no published national guideline standard for consent for medical thoracoscopy. We reviewed the quality of consents for medical thoracoscopy in a unit performing an average of 40 medical thoracoscopies per year.

Methods Case records of 80 patients who had undergone medical thoracoscopy were retrospectively reviewed. Consent forms were assessed for mention of potential complications, and grade and competency at thoracoscopy of consent-takers. We analysed the consistency between consents taken by the same individuals at different times, and numbers of patients experiencing complications for which they were not consented.

Results Consent was taken by 19 individuals. Consultant thoracoscopists took 54% of consents; non-thoracoscopist consultants took 15% and trainees 31%. Potential complications consented for were: bleeding (100%), ‘infection’ (99%), persistent pneumothorax/trapped lung (81%), pain (73%), Empyema (46%), damage to underlying organs (28%), respiratory distress (28%), non-diagnostic procedure (20%), (talc related) fever (16%), cardiac complications (15%) and haemorrhagic lobar torax (10%).

Consultant thoracoscopists were significantly more likely than all other consent-takers to consent patients for empyema; 72% vs 16% of consents, p < 0.001, and pain; 93% vs 49%, p < 0.001.

Consistency with which consent-takers omitted or mentioned complications varied by individual and complication. For example, those individuals who consented at least once for empyema (7/19 consent-takers) did so collectively on 80% of their consents (individual range 25%-100%), whereas those who took consent for damage to underlying organs (10/19 consent-takers) did so on only 35% of their consents (range 5%-100%).

Empyema occurred in 5% of patients, all of whom had been consented for this complication. 38/80 patients (48%) experienced significant pain, of whom 34% were not consented for this.

Conclusion Information provided on thoracoscopy consent forms is inconsistent, both for common minor and serious complications. Even experienced thoracoscopists may fail to clarify significant complications. Introduction of a standardised consent form could reduce variation and consequent potential for patient distress and medicolegal risk.

LYMPH NODE ASSESSMENT IN SURGICAL RESECTION OF NON-SMALL CELL LUNG CANCER (NSCLC): ARE WE HITTING THE TARGET?

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Introduction Guidelines from the British Thoracic Society (BTS) and the National Institute for Health and Care Excellence (NICE) recommend that nodal assessment be performed in all patients who have anatomical lung resection for NSCLC.

Nodal status is one of the major determinants of outcome and most multidisciplinary teams now record adequacy of nodal assessment. N1 nodes are removed with the specimen perforce; whereas those who took consent for damage to underlying organs (10/19 consent-takers) may be a positive sign in peripheral NSCLC, possibly inferring resectability.

Abstract P222

Figure 1 (A) Lesion size by PTX group, (B) Lesion Depth by PTX group, (C) Survival by PTX group and (D) Survival in patients with a peripheral NSCLC.
REVISED BTS GUIDELINES FOR SECURING CANCER
DIAGNOSIS AT BRONCHOSCOPY – A HIGHER
RECOMMENDED YIELD IS REALISTIC AND ACHIEVABLE

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Introduction The recently updated BTS guidelines1 on bronchoscopy recommend that a diagnostic level of 85% should be attainable when definite endobronchial tumour is visible, an increase from previous recommendation of 80%. We investigated whether this higher level was achievable.

Methods All patients undergoing bronchoscopy for suspected lung cancer were prospectively entered into a departmental database from April 2010, with performance analysed annually. The following specific data were entered: level of tumour presence (none seen / possible / definite tumour); diagnostic specimens taken (biopsy, brush, wash, TBNA); result of each diagnostic specimen (tumour present / not present, with reports “suspicious or suggestive” of tumour classified as “not present” unless there was a specific MDT decision to give a cancer diagnosis), and whether bronchoscopy was diagnostic of lung cancer overall. Finally clinical records were reviewed in patients without a bronchoscopic diagnosis of cancer to determine their final diagnosis.

Results In the 4 full years since commencement of data collection, 356 bronchoscopies were performed for suspected lung cancer, with confirmed cancer diagnosis in 301. Table 1 summarises diagnostic sensitivity for endobronchial biopsy, brush and overall sensitivity for lung cancer diagnosis at bronchoscopy in patients with bronchoscopically definite tumour seen. In 3/4 years our overall diagnostic sensitivity has reached the level recommended (86.4–91.7%), with first year performance just below the new standard (84.4%).

Conclusions The revised level of recommended diagnostic rate at bronchoscopy for definite tumour appears to be realistic and achievable. This should remain as the standard of care for patients undergoing bronchoscopy for suspected lung cancer.

Abstract P225 Table 1 Diagnostic sensitivity of diagnostic sampling and overall performance in patients with bronchoscopically definite tumour

<table>
<thead>
<tr>
<th>Year</th>
<th>No. of bronchi – Suspected LC</th>
<th>No. with confirmed LC</th>
<th>No. of bronchi – definite tumour seen</th>
<th>Biopsy sensitivity (%)</th>
<th>Brushing sensitivity (%)</th>
<th>Washing sensitivity (%)</th>
<th>Overall sensitivity when definite tumour seen (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010–11</td>
<td>92</td>
<td>72</td>
<td>33</td>
<td>67.7</td>
<td>66.7</td>
<td>43.8</td>
<td>84.4</td>
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<tr>
<td>2011–12</td>
<td>87</td>
<td>71</td>
<td>41</td>
<td>80.6</td>
<td>60.7</td>
<td>27.8</td>
<td>86.4</td>
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<tr>
<td>2012–13</td>
<td>90</td>
<td>81</td>
<td>52</td>
<td>81.3</td>
<td>55.8</td>
<td>30.6</td>
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<tr>
<td>2013–14</td>
<td>87</td>
<td>77</td>
<td>36</td>
<td>80</td>
<td>71.4</td>
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P226 WITHDRAWN

Asthma treatments

P227 EFFICACY AND SAFETY OF BUDESONIDE–FORMOTEROL (BF SPIROMAX®) IN ADULTS AND ADOLESCENTS WITH ASTHMA: RANDOMISED COMPARISON WITH BF TURBUHALER®

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Background DuoResp Spiromax® (Teva Pharmaceuticals) is a dry-powder inhaler designed to deliver budesonide and formoterol fumarate (BF Spiromax®) with maximum ease of use. Pharmacokinetic studies have shown bioequivalence of BF Turbuhaler®. This study compared the efficacy and safety of these devices in patients with asthma.

Methods This was a 12-week, multicentre, double-blind, randomised, controlled trial (N=605). Eligible patients (≥12 years old) had persistent asthma with FEV1 ≥ 80% of predicted, had used a SABA and ICS for ≥8 weeks before screening and were maintained on stable-dose ICS for 4 weeks. The primary objective was to demonstrate non-inferiority of twice-daily BF Spiromax® 160/4.5mcg to BF Turbuhaler® 200/6mcg, with respect to change from baseline in weekly average of daily trough morning PEF.

Results This analysis was based on the per protocol population (N=290 and N=284 for BF Spiromax® and BF Turbuhaler® groups, respectively). The least squares mean change from baseline to Week 12 in morning PEF was 18.8 L/min with BF Spiromax® and 21.796 L/min with BF Turbuhaler®. Non-inferiority of BF Spiromax® vs BF Turbuhaler® was demonstrated, as the lower limit of the 95% two-sided CI (−9.02 L/min) is greater than −15 L/min. Similarly, no significant between-group differences were observed in secondary efficacy endpoints. Both devices were well tolerated, with no significant differences in the incidence of adverse events or asthma exacerbations.

Conclusions This study has demonstrated the non-inferiority of BF Spiromax® vs BF Turbuhaler® in adults and adolescents with asthma. Further data are required to confirm whether BF Spiromax® can be used as an alternative to BF Turbuhaler® in other indications.

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