outcome. This correlates with our existing knowledge of the heterogeneity of MPM and the difficulty of subtyping from small biopsies. A wide distribution of biopsy sites within the hemithorax is likely to be more significant in obtaining an accurate histological diagnosis than the mode of biopsy itself.

### Abstract P181 Table 1

<table>
<thead>
<tr>
<th>Exposure Group</th>
<th>Asbestos exposure</th>
<th>Median survival (months)</th>
<th>p</th>
<th>Risk Group</th>
<th>Median survival (months)</th>
<th>p</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Any non-construction high-risk job</td>
<td>60</td>
<td>14.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Carpenter</td>
<td>34</td>
<td>15.8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Plumber, electrician, painter or decorator</td>
<td>17</td>
<td>14.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Other construction</td>
<td>35</td>
<td>13.2</td>
<td>High Risk</td>
<td>14.4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Any medium-risk industrial job</td>
<td>21</td>
<td>14.8</td>
<td>Medium risk</td>
<td>14.8</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Any low-risk industrial job</td>
<td>7</td>
<td>32.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Domestic exposure</td>
<td>12</td>
<td>24.2</td>
<td>Low risk</td>
<td>24.2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>None of the above</td>
<td>63</td>
<td>15.2</td>
<td></td>
<td></td>
<td>0.447</td>
</tr>
</tbody>
</table>

There was a significant difference in survival between the low risk group and the high and medium risk groups combined (24.2 vs 14.5 months p = 0.031).

Survival was similar between those with known asbestos exposure and those who reported no asbestos exposure; 14.7 vs 15.2 months p = 0.573.

**Conclusion** This is the first study to demonstrate that those patients who worked in occupations at highest risk of developing mesothelioma also have the worst comparative survival from radical surgery. The causation remains a topic for further research. It is also of note that patients with no reported asbestos exposure had an unexpectedly poor survival. The importance of a careful occupational history of asbestos exposure is emphasised.

**REFERENCE**

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**P182 APPRAISAL OF AN INDWELLING PLEURAL CATHETER (IPC) SERVICE AT A LARGE ACUTE TRUST**

RM Mercer, S Gunatilake, LJ Bishop, KS Babu, A Chauhan. Queen Alexandra Hospital, Portsmouth, UK.

10.1136/thoraxjnl-2014-206260.311

**Introduction** Data on indications, outcomes and complications of IPCs from clinical trials has been published. This audit examined differences in practice and outcomes between clinical trials and day-to-day working which may influence the pleural service and provide information to other hospitals considering introducing this service.

**Method** We retrospectively reviewed patient-related data and outcomes for IPCs inserted at our hospital from February 2011 until December 2013. We compared the findings to secondary outcomes of the IPC arm of the TIME2 trial. 1

**Results** 102 IPCs were placed into 93 patients: 43 as inpatients; 59 as outpatients. 20 inpatients and 23 outpatients had previous pleurodesis.

10 patients had microbiological isolation of pleural fluid throughout a total of 27.3 IPC years; not all were associated with clinical signs of a pleural infection. Only 12 (50%) patients with a C-reactive protein of >200 mg/l had a sample of their pleural fluid sent for culture.

Drain removal occurred in 23% of the inpatient IPCs and 29% of the outpatient compared to 57% in the TIME2 trial.

The median inpatient stay after elective pleurodesis in an outpatient was 1.5 nights in 2011 (range 0–11), 1 night in 2012 (range 0–5) and 0 nights in 2013 (range 0–5).
Conclusion The TIME2 cost analysis was based on a median stay of 0 nights which has been replicated in our hospital this year. The optimisation of community support and increasing confidence with the procedure led to reductions in inpatient stays.

The rate of IPC removal was substantially less common in our cohort and the indication for removal was often not due to spontaneous pleurodesis alone unlike the TIME2 trial. Indications for removal included infection, pain and blockage as well as pleurodesis. The data from our centre did not exclude any patients, including those who died, and the follow up period often continued beyond 6 months.

Some large differences exist between the TIME2 trial data and our cohort. While this could reflect a different patient population and setting, it could also highlight differences in outcomes between controlled clinical trials and day-to-day practice.

REFERENCE
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TB: non pulmonary and hepatotoxicity

P183 ENDOBRONCHIAL ULTRASOUND AND TUBERCULOSIS: BEWARE THE NON-CASEATING GRANULOMA

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10.1136/thoraxjnl-2014-206260.312

Introduction Endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) is now the standard of care for investigating intra-thoracic lymphadenopathy. Although well validated in malignancy and sarcoidosis, the literature for intra-thoracic tuberculous lymphadenitis is limited. Previous work from neighbouring London boroughs reported a sensitivity (histology or microbiology consistent with tuberculosis (TB)) for TB of 94% with positive TB culture in 47% of 156 patients

Methods We examined retrospectively all EBUS-TBNA procedures performed at a London district general hospital between April 2010 and January 2014. Patients were referred to our EBUS service from our own hospital and two local centres. All patients were assessed clinically prior to the procedure and underwent a CT scan. Bronchoscopy reporting software was used to identify all EBUS procedures. Patient notes, clinic letters, electronic patient records and the London TB Register (LTBR) were used to obtain clinical information then matched with pathological and microbiological results. All patients were followed up for a minimum of 6 months.

Results 363 patients were included. The overall sample yield (either lymph node or tumour identified) was 94%. 63 cases of tuberculosis were identified and EBUS-TBNA had been diagnostic in 57 (90%). Pathological findings were consistent with TB in 84% of cases and culture was positive in 62%. Culture identified 5 cases of drug resistance. Where caseating granulomas were identified, 18/23 cases were culture positive and 15/23 where non-caseating granulomas were identified (p = 0.76). In addition, where necrotic material was obtained 3/5 samples were culture positive and where reactive lymph nodes were identified 4/9 samples were culture positive.

Conclusion EBUS-TBNA is a useful tool in the investigation of intra-thoracic tuberculous lymphadenitis. We show the possibility of achieving higher culture positivity from that reported in the literature. It highlights the importance of the TB culture for definitive diagnosis and detecting drug resistance. It is important to examine these findings in the context of appropriate clinical information and investigations.
Corrections


The author names should read:
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