

peer-reviewed, published between January 1980 to May 2013, human trials, English language. Study inclusion followed a review of the title, abstract, and full text by two independent researchers.

**Results:** Two trends were identified. 1) DIEP flap surgery reduces the risk of abdominal weakness without increasing the risk of flap complications if performed by a surgeon well trained in microsurgery; 2) TRAM flap surgery remains a good alternative due to its evolution towards muscle-sparing techniques.

**Conclusion:** This appears to be the first systematic review in this area of research. The evidence demonstrates that DIEP flap reduces postoperative abdominal morbidity, with no increased flap complication compared to the TRAM flap if performed by a surgeon well trained in microsurgery.

#### 0219: SCREEN DETECTED BREAST CANCERS CAN BE SAFELY AND EFFECTIVELY MANAGED LOCALLY AS PREFERRED BY PATIENTS

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**Aim:** Currently screen-detected impalpable breast cancers are resected in tertiary centres, often necessitating significant journeys for patients. Our patients express a preference for local surgery.

**Methods:** The management of impalpable breast lesions in our three district general hospitals (DGHs) was audited to assess whether the surgery could be performed locally.

All wide local excisions for breast lesions, which required localisation from April 2010- August 2014 in the three breast units in Lanarkshire were identified and included.

**Results:** 177 patients underwent pre-operative radiological localisation of impalpable lesions. 81% of cases used ultrasound to place the wire with the remainder requiring stereotactic localisation. The median specimen weight was 34g (IQR 18.0–46.8g). All lesions were identified and removed successfully. 142 (80%) patients had histological confirmation of cancer or DCIS. 33 patients (18%) required a second procedure due to involved or close surgical margins.

**Conclusion:** Surgery for impalpable breast lesions can be performed safely and effectively in our local DGHs. All lesions in this audit were localised and excised. The number of patients requiring further surgical procedures was similar to reported results from high volume centres. In addition to inconveniencing patients, transferring patients between health boards for treatment costs more and modifications to procedure should be explored.

#### 0241: NEGATIVE AXILLARY CLEARANCE IN SENTINEL NODE POSITIVE BREAST CANCER

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**Aim:** NICE recommends axillary clearance (AC) for sentinel node positive breast cancer. AC is associated with high morbidity. There was anecdotal evidence that our rate of negative AC was high. We audited our practice to investigate this.

**Methods:** All patients undergoing AC for positive sentinel node biopsies (SNB) were identified for the one-year period starting 1st January 2013. Data collected included tumour histology, pre-operative and post-operative staging. The Memorial Sloan Kettering (MSK) nomogram for predicting further nodes was then applied retrospectively.

**Results:** 179 patients had SNB of whom 21 (median age 58 [range 30-77]) underwent AC for positive SNB.

Only 5(24%) had any further affected nodes in the AC specimen. There was no direct relation with any single variable for predicting further metastases in the axillary specimen. However on the MSK nomogram, no patient who scored below 15% had further nodes ( $p=0.06$  Fisher's exact test, AUC = 0.791).

**Conclusion:** 76% of our patients did not benefit from having AC. The development of further metastases appears to be multifactorial and the MSK nomogram might be useful in predicting this. Until the POSNOC trial is ready to report, this area could be investigated further with a national trainee research collaborative.

#### 0252: CONSIDERATIONS OF PACEMAKERS IN BREAST CANCER MANAGEMENT

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**Aim:** Cardiac pacemakers (PM) in the infraclavicular region of left chest wall (1) can pose technical issues during treatments in breast cancer patients. We aim to raise awareness of the challenges in the management of these patients.

**Methods:** Over one year April 2013–14, six breast cancer patients out of 75 diagnosed (8%) had pacemakers. All had triple assessment.

**Results:** 3 patients with left breast cancer had mastectomy. Bipolar diathermy was used and breast tissue near the pacing wires was carefully excised. One had radiotherapy necessitating moving the pacemaker to the right. Another had right breast cancer and a left risk-reducing mastectomy. Two further patients had right breast cancer requiring surgery followed by radiotherapy and chemotherapy. All patients had recent Cardiac assessment.

**Conclusion:** Breast cancer has been reported at the PM implanted site therefore a thorough clinical examination is prudent (2,3). During surgery, electromagnetic interference (EMI) caused by electrocautery, can cause malfunction of the pacemaker and using bipolar diathermy will minimize these effects (4). Radiotherapy, PET and MRI can cause EMI (5,6). It is important to plan dosimetry to work out the radiation the PM may receive. Alternatively it may be necessary to move PM to the contralateral side. Awareness of these issues with PM is needed.

#### 0256: POSTOPERATIVE FOLLOW-UP PRACTICE OF PHYLLODES TUMOUR IN THE UK: RESULTS FROM A NATIONAL SURVEY

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**Aim:** Resected phyllodes tumours (PT) of the breast carry a small but significant risk of recurrence. Nevertheless, there are no national guidelines on postoperative follow-up of these tumours potentially resulting in a wide variation in practice among breast surgeons in the UK.

**Methods:** A web-based questionnaire was sent to NHS breast surgeons across the UK to assess individual follow-up practices including availability of local guidelines, methods of follow-up and influence of risk factors.

**Results:** Only 38% from a total of 121 responses indicated the availability of local guidelines on PT follow-up. Modal follow-up duration for borderline and malignant disease was 5 years (53.7% and 79.3% of responses respectively), compared to 1 year for benign disease (43%) although 28% of respondents continue to review benign cases for 5 years. Less than 10% offered patient-directed follow-up for benign and borderline disease. Recurrent disease and margin status influenced the follow-up practice of 60% of respondents.

**Conclusion:** This survey highlights the wide variation in postoperative follow-up for PT within the UK. This may affect the detection of disease relapse or, conversely, result in wasted clinical resources and unnecessary patient distress. Evidence-based national guidelines are necessary to resolve this issue and inform best follow-up practice.

#### 0265L: ATTITUDES TOWARDS BREAST CONSERVATION IN PATIENTS AGED OVER 70 WITH BREAST CANCER

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**Aim:** Investigate the attitudes of patients aged 70+ towards breast conserving surgery (BCS) and factors which may influence their treatment decisions.

**Methods:** A questionnaire was sent to patients aged 70+ at the time of breast cancer surgery in NHS Lanarkshire between 1999 and 2013. This detailed surgical recommendations, treatment expectations, and other factors that may have influenced decision-making e.g. travel for radiotherapy, potential side effects.

**Results:** Responses were received from 339 patients, 192 of whom had a mastectomy, the remaining undergoing BCS. Eighty-six percent of both groups were recommended their surgical management by the surgeon. In the mastectomy group 18% would have preferred BCS had it been an