

Wide Local Excision Re-operation Rates at Tameside General Hospital



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Background



- ❧ 50, 285 New cases of breast cancer - 2011
- ❧ 11, 716 deaths - 2012
- ❧ 78% - 10 year survival rates
- ❧ 27% preventable cases

❧ Source: Cancer Research UK

After Diagnosis



- ❧ 58% of women diagnosed with breast cancer opt for breast conserving surgery
- ❧ 1 in 5 women with breast cancer who have opted for breast conserving surgery rather than mastectomy go on to have reoperation

❧ Source: British Medical Journal (2012)

Wide Local Excision (WLE)



- ❧ 2mm radial margin of excision is recommended
 - ❧ Microscopically review
 - ❧ Consider re-excision if margin in <2mm
- ❧ Source: NICE Guidelines (*“Early and Locally Advanced Breast Cancer”* 2009)

Our Benchmark Study



- ❧ 156 NHS trusts
 - ❧ 55, 297 women had breast conserving surgery
 - ❧ 20% had at least one re-operation
 - ❧ Reoperation rate - 29.5% in carcinoma in situ, 18% isolated invasive cancer.
 - ❧ 40% underwent further mastectomy
- ❧ Source: (BMJ “Reoperation rates after breast conserving surgery for breast cancer among women in England: retrospective study of hospital episode statistics” 2012)

Collection Method



- ❧ Anonymous data collected from Medway
- ❧ Between: 01/04/2012- 21/08/2013
- ❧ The study considered patients who had WLE then went onto have further re-excision
- ❧ Does not count subsequent operation to axilla
- ❧ Only included re-operations ipsilateral to original WLE due to histological finding of close borders and NOT early recurrence

Results



- 77 patient had WLE
- 14 (18%) had further surgery (mastectomy or further breast conserving surgery)
- 8 (57%) had further excision.
- 6 (43%) had mastectomy

Of the 14 that had further surgery

- ❧ 11 had bigger tumour on histology than indicated on radiology
- ❧ 1 tumour was smaller on histological review
- ❧ 8 (57%) had cavity shaves on first operation
- ❧ In comparison: 17/63 (27%) who did not have re-excision had cavity shaves

Re-excision: Mastectomy vs. WLE

- 8 underwent further excision
- 6 had mastectomy after initial WLE (43%)
- Reasons why patient had mastectomy:
 - Two or more close margins on histology (2 cases)
 - Extensive lymph node involvement (2 cases)
 - Large tumour already excised and margins still close (1 case)
 - One case of Squamous cell ca. extending posteriorly

Histology



- 8 had Invasive Ductal Carcinoma (IDC)
- 4 had IDC with Ductal Carcinoma In Situ (DCIS) on either on margin or foci away from main site.
- 1 case of mucinous carcinoma with DCIS foci away from main lesion
- 1 case of squamous cell carcinoma

Summary



- Re-operation rate: 18%
- Further operation: 43% - mastectomy, 57% - Further breast conserving surgery
- Within the whole study: further excision rate is 10 % and mastectomy rate is 8%

Conclusions



- ❧ Nearly all had tumour sizes were underestimated on radiology
- ❧ Comparable re-operation rates with the cohort study
- ❧ Marginally higher mastectomy rates after initial operation
- ❧ Patients the risk of re-operation

Thank You



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