INTRODUCTION

Problem with rectal cancer outcomes in BC:

- 4-year local recurrence in 1996 review
  - Overall, 16%
  - Stage 3, 27%
  - 1996 rectal surgery
  - No standardized, likely not TME
  - 1996 adjuvant therapy
  - Postop chemoradiation

BC Rectal Cancer Project – Strategy to improve pelvic recurrence

Education Workshops 2002-03 to implement change in management guidelines

1. Standardize adjuvant Rx to preoperative short course radiation (+ postop chemo)
2. Standardize surgery to TME

Questions:

1. Were pelvic recurrence and survival affected by change in rectal cancer management guidelines in BC?
2. What factors affect pelvic recurrence and survival?

Methods:

- Inclusion: Curative resection of rectal cancer in 1996 and those in the year following the workshops, Oct 2003 to Sep 2004
- All BC hospitals' medical records departments were asked to provide OR, pathology, discharge summary for rectal cancer major resective procedures for the 2003/04 cohort. Rectal cancer cases for the 1996 data were identified from the BC Cancer Registry.
- Adjuvant radiation and chemo data from BCCA records
- Follow-up data questionnaires sent to GPs

Cohort Characteristics

<table>
<thead>
<tr>
<th>Number</th>
<th>Age (mean, range)</th>
<th>Sex (M/F/M)</th>
<th>Distance from anus (cm)</th>
<th>Treatment</th>
<th>Margin</th>
</tr>
</thead>
<tbody>
<tr>
<td>293</td>
<td>74.4 (36-95)</td>
<td>168/123/11</td>
<td>0-10 (0-5)</td>
<td>Preop</td>
<td>51%</td>
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CONCLUSIONS

Summary

After TME workshops, BC outcomes similar to Kapiteijn, NEJM 2001

- Overall: 16%
- Stage 3: 27%
- Improved pathology reporting on radial margins
- 1996 – 64% unreported, 2003-04 – 3% unreported, p<0.0001

Future Directions

- High positive radial margin rate (35%) for distal third rectal location
- Strategies: Prep MR prediction of radial margin involvement, education, rectal surgery centres

Conclusions

- Pelvic recurrence has decreased in BC - likely due to increased use of adjuvant radiation and 87% negative radial margin rate
- Pathology reporting is dramatically improved

RECTAL CANCER UPDATE, THE LAST 5CM - DISTAL TME AND BEYOND

Date: Fri-Sat, Oct 24-25, 2008
Place: St Paul's Hospital, Vancouver
Tel: 604.707.5900x3269
Fax: 604.877.6295
Email: ddeslauriers@bccancer.bc.ca

External guest lecturers

- RJ (Bill) Head (Basingstoke, UK)
- Jose Guillen (MSK, USA)
- Julio Garcia-Aguilar (University of California SF, USA)
- Andy Smith (University of Toronto, CAN)