Advancement in the field of geriatric oncology – Update in surgery

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Clinical Associate Professor / Consultant Surgeon
• Review of literature
• Advances in surgery in general
• Other modalities
• Challenges
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Review of Literature

- ‘Cancer’ + ‘elderly/older’ + ‘surgery’
- 01.10.2013 – 30.09.14
- Excluding case report/review(s)
- N=30
The potential value of comprehensive geriatric assessment in evaluating older women with primary operable breast cancer undergoing surgery or non-operative treatment — A pilot study


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ARTICLE INFO

ABSTRACT
Review of Literature

• ‘Cancer’ + ‘elderly/older’ + ‘surgery’
• 01.10.2013 – 30.09.14
• $N=1,251$
Type of studies

- Retrospective: 15
- Registry: 8
- RCT: 3
- Prospective/GA: 2
- Syst rev: 1

No of studies
Study objectives

- 'Standard' outcomes
- 'Lesser' surgery
- Omitting surgery
- RT instead of surgery
- GA related
- Miscellaneous

No of studies
Review of Literature

- Mainly retrospective cohorts
- RCTs and GA-related studies emerging
- Not much on health economics
- Alternatives to radical surgery
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School of Medicine
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The front cover depicts one of the first attempts to treat cancer with radiotherapy. It was painted in 1908 by the French artist Georges Alexander Chicotot, and is reproduced by kind permission of the Bridgeman Art Library.
Figure 1: Targeted intraoperative radiotherapy technique with the Intrabeam system

(A) The applicator being placed in the tumour bed. (B) The x-ray source is delivered to the tumour bed by use of a surgical support stand. The sterile applicator is joined with a sterile drape that is used to cover the stand during treatment delivery.
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Good surgeons know how to operate, better one when to operate, and the best when not to operate.
Challenges

• Selection of patients
• Optimisation of peri-operative care
Challenges

- Selection of patients
- Optimisation of peri-operative care
• Review of literature
• Advances in surgery in general
• Other modalities
• Challenges
“To improve the care of older patients with cancer around the world.”

- Disseminate knowledge to promote and maintain a high common standard of healthcare in elderly cancer patients
- Advance the art, science and practice of oncology in elderly patients
- Create awareness and influence policies

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