

Clinical Outcomes of Perineal Proctectomy Among Patients of Advanced Age

Rangsima Tiengtianthum, MD,¹ Christine C. Jensen, MD, MPH,²
Stanley M. Goldberg, MD,² Anders Mellgren, MD, PhD³

¹ University of Bangkok Metropolis

² Division of Colon and Rectal Surgery, University of Minnesota

³ Division of Colon and Rectal Surgery, University of Illinois at Chicago



I have no disclosures



Rectal Prolapse

Typically occurs in elderly female patients, often with multiple medical comorbidities

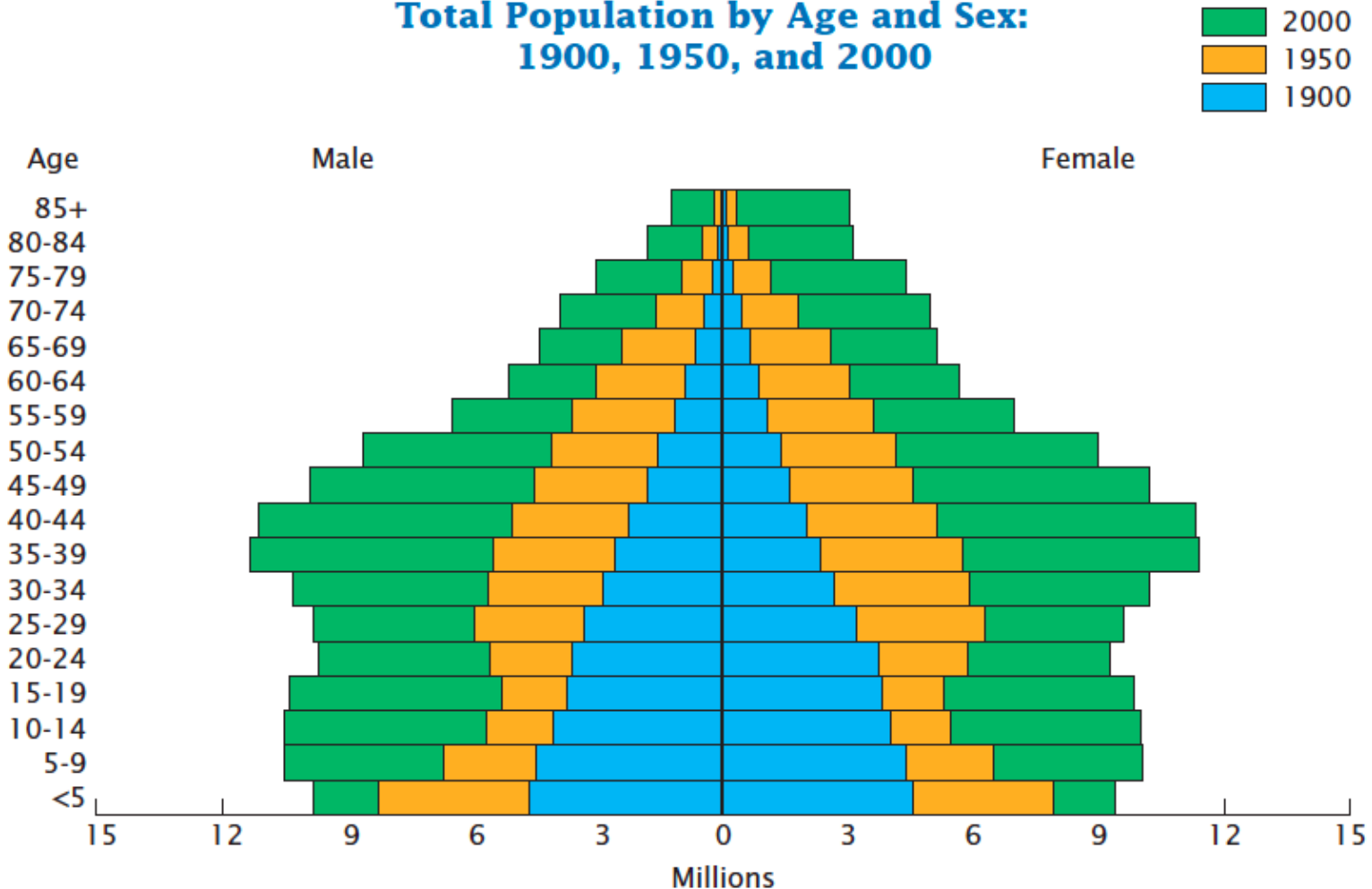
Perineal approach is preferred in these patients

- lower risk than abdominal operation
- can be done under local or regional anesthesia
- however, increased rate of recurrence vs. abdominal operation



Increasing Numbers of Elderly

Figure 2-1.
**Total Population by Age and Sex:
 1900, 1950, and 2000**



Should perineal proctectomy be offered to very elderly patients?



Study Population

465 patients undergoing 518 perineal proctectomies,
1994-2012

95% female, 5% male

Age:

<70	Group A	n=113
70-79	Group B	n=113
80-89	Group C	n=208
≥90	Group D	n=84

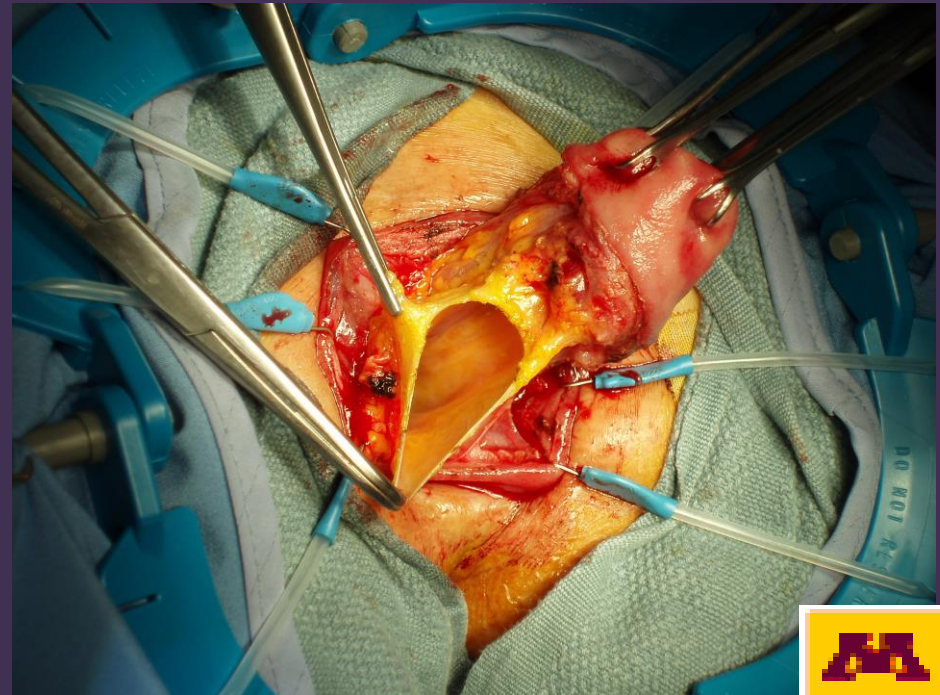


Operative Data

Mean estimated blood loss 25cc

Mean length of resected specimen 7cm

Almost 50% of patients had levatorplasties in all age groups



Overall Results

Mean length of stay four days

Immediate and late complication rates 5.6 and 3.5%, respectively, majority of complications were minor

Two postoperative deaths, both with anastomotic dehiscence, one also had mesenteric thrombus

Recurrence 22.6%



Age-Specific Outcomes

Complication rate did not vary by age

Recurrence rate was actually lowest in the elderly:

Group A 33.6%

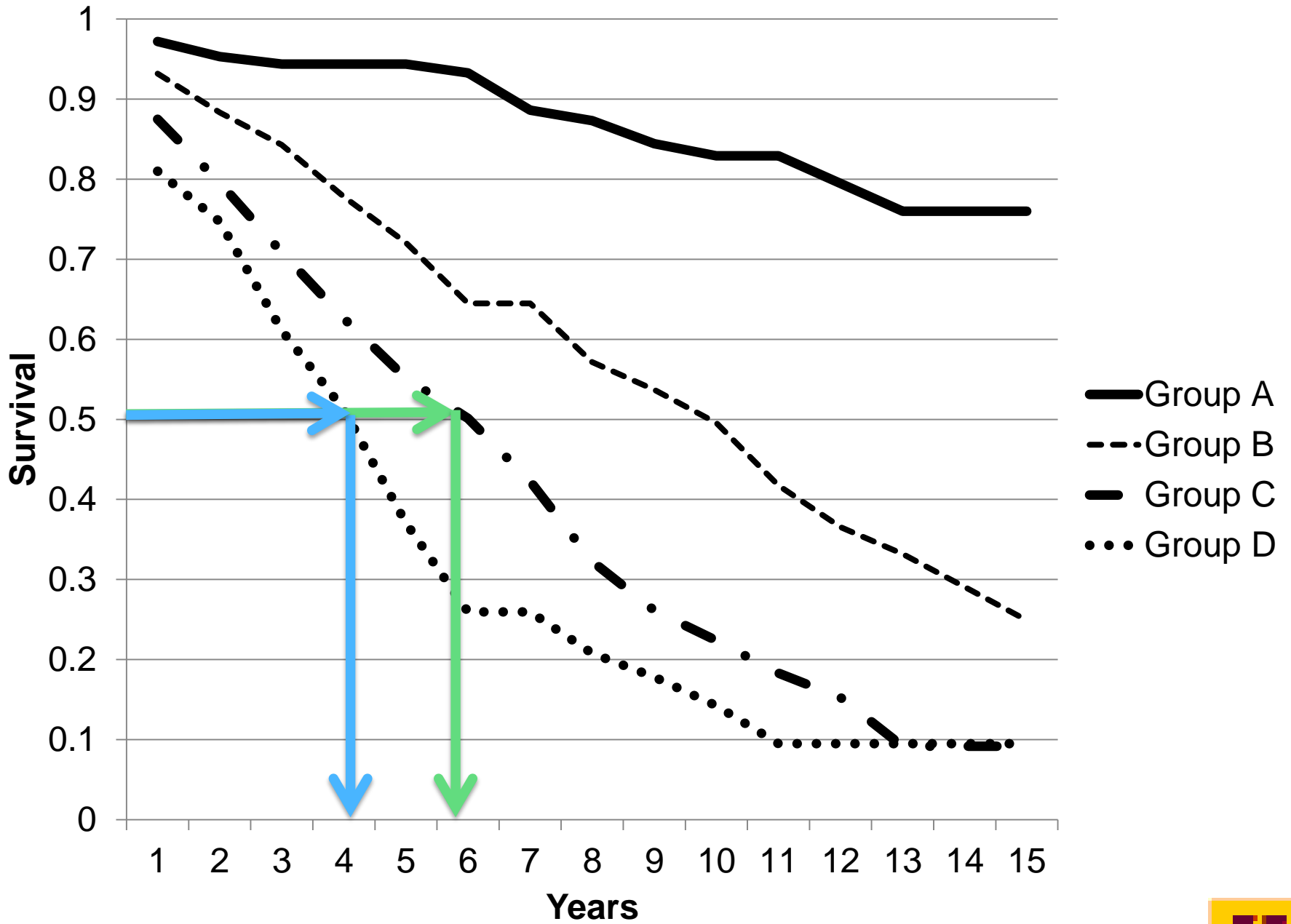
Group B 23.9%

Group C 19.7%

Group D 14.3% $p=0.007$

Elderly patients were less likely to have reoperation if rectal prolapse recurred; most were managed nonoperatively





Conclusions

Perineal proctectomy is a safe procedure with an acceptable recurrence rate

Appropriately selected elderly patients have similar outcomes compared to younger patients

The median life expectancy after perineal proctectomy for patients in their nineties is four years, so the risk of surgery is worth the benefit accrued



Thank You

