

Are we missing opportunities for ovarian cancer reduction?

Audit of salpingectomy (+/-) oophorectomy practices at hysterectomy
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Background

- The term 'ovarian' cancer may be misleading
- Many forms of epithelial ovarian cancer (EOC) and in particular the majority of serous tumours likely originate from the fallopian tubes^[1]
- 80-90% of BRCA-related "ovarian" cancers originate from the tubes^[2]
- Performing bilateral salpingectomy at hysterectomy has been advocated as a potentially useful way of reducing the rate of ovarian cancer^[3]

Method

- Review of 237 hysterectomy cases (benign indications)
- Cases were grouped according to surgical approach and (+/-) salpingectomy (+/-) oophorectomy
- Procedural complexity was measured by surgical duration, estimated blood loss (EBL) and post-operative stay

Objectives

- To determine 'missed opportunities' for risk reducing salpingectomy at hysterectomy in our unit
- A comparison of surgical complexity and post-operative outcomes with and without salpingectomy

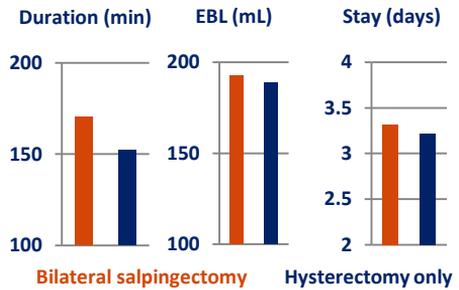
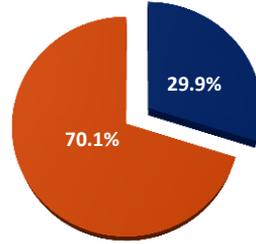
Results

Salpingectomy rate = **70.1%**

Salpingectomy associated with **significantly increased operative time** (p=0.0029)

NO increase in length of stay (p=0.266)
OR EBL (p=0.0451)

Salpingectomy (+/-) oophorectomy



Conclusions

- The majority of 'missed opportunities' for salpingectomy were associated with the vaginal approach
- These data support that routine bilateral salpingectomy is not associated with poorer operative outcomes



NOTE:
 2x VH + salpingectomy
 5x Lap assisted VH (+) salpingectomy

References:

[1] Kwon JS, Tinker A, Pansegrau G, McAlpine J, Housty M, McCullum M, Gilks CB. Prophylactic salpingectomy as an alternative for BRCA mutation carriers. *Obstet Gynecol.* 2013 Jan; 121(1):14-24.
 [2] Britt K, Erickson, Dr. Michael G. Conner, and Dr. Charles N. Landen, Jr. The role of the fallopian tube in the origin of ovarian cancer. *Am J Obstet Gynecol.* 2013 Nov; 209(5): 409-414.
 [3] I. McAlpine JN, Hanley GE, Woo MM, Tone AA, Rozenberg N, Swenerton KD, et al. Opportunistic salpingectomy: uptake, risks, and complications of a regional initiative for ovarian cancer prevention. *Ovarian Cancer Research Program of British Columbia. Am J Obstet Gynecol* 2014; 210:471.e1-471.e11.