

# Activity Results: Daycare vs Inpatient Breast Surgery

VJH CME 2022 05 26 Colin Davey & Dr. Hamish Hwang. Presentation slide screen snips:



## Patient, operative, and pain management factors influencing inpatient vs. daycare mastectomy at a community hospital


Colin Davey<sup>1</sup>, Hamish Hwang<sup>1</sup>  
<sup>1</sup>University of British Columbia



THE UNIVERSITY OF BRITISH COLUMBIA




Interior Health



## Background

- COVID-19 has highlighted the importance of maximizing same day discharge surgeries
- Recent research suggesting the physical and psychological benefits of early discharge following surgery

**Purpose:**  
 Identify factors associated with inpatient vs. daycare mastectomy procedures at VJH



## Methods


Retrospective chart review    187 patients underwent total mastectomy    2017-2019

- Patient characteristics
- Operative variables
- Pain management

⇒ Inpatient vs daycare procedures ⇒

Complication rates based on 7-day readmission, reoperation, and Clavien-Dindo classification

Student t test and  $\chi^2$  or Fisher exact test



## Results

Patient Factors		Operative Factors	
Significant	Not Significant	Significant	Not Significant
<b>Prophylactic</b> (39% vs 61%)	<b>Age</b> (68.6 vs 66.1 yo)	<b>High Volume Surgeon</b> (11.9% vs 84.1%)	<b>ASA Classification</b> 1,2,3 or 4
<b>OSA</b> (75.5% vs 24.5%)	<b>BMI</b> (27.4 vs 27.1)	<b>Operative Time</b> (66.1 vs 53.5 min)	<b>Nodal Operation</b> Axillary vs SLN vs none
<b>Bilateral</b> (95% vs 5%)	<b>Location</b> (< 50 vs > 50 km)		
Pain Management		Outcomes	
<b>Significant</b>		<b>Not Significant</b>	
<b>Volume of Anesthetic</b> (33.8 vs 84.8 mL)		<b>ED Visit within 7 days</b> (11% vs 14%)	
<b>Intercostal Block</b> (16.6% vs 83.3%)		<b>Reoperation</b> (3.5% vs 1.4%)	

## Conclusions

Surgeon volume, operative time, volume of local anesthetic with administration of an intercostal block were associated with higher rates of daycare mastectomy

Daycare mastectomy has **equivalent outcomes** to inpatient mastectomy and can **safely be considered** the new standard of care

## Patient, operative, and pain management factors influencing inpatient vs. daycare mastectomy at a comm

Colin Davey<sup>1</sup>, Hamish Hwang<sup>1</sup>  
<sup>1</sup> University of British Columbia

Shannon Rozarke

Retrospective chart review

187 patients underwent total mastectomy at VJH

2017-2019

### Purpose:

Identify factors associated with inpatient vs. daycare mastectomy procedures at VJH



### Surgeon volume

84% vs. 12%  
(% by high volume surgeon)

### Patient Factors



Bilateral



Prophylactic



### Operative time

53.5 vs. 66.1  
(min)



### Local anesthetic

84.8 vs. 33.8  
(volume in mL)

### Conclusions:

1. Currently only 38.5% of mastectomy procedures are same day discharge.
2. Multiple factors have been identified which influence inpatient vs daycare procedures.
3. Daycare mastectomy has **equivalent outcomes** to inpatient mastectomy and can **safely be considered** the new standard of care