

## ABSTRACT SUBMISSION FORM

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# SEX + GENDER

Exploring the role of sex and gender on health research



## CHR D 2020: Abstract Submission Form

### Submitter Name

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### Title

Can We Move to Same-Day Discharge for Pediatric Patients Undergoing Laparoscopic Cholecystectomy?

### Background

Although local pediatric patients undergoing laparoscopic cholecystectomy (LC) are admitted overnight, LC is a day-surgery procedure in adults.

### Objective

We hypothesized that our pediatric patients seldom require hospital-level care and could safely be discharged home the same day, freeing up hospital beds and getting children and their families home sooner.

### Methods

A retrospective chart review was completed of pediatric patients less than 17 years of age (from 2016 to 2020) who underwent LC at our institution to assess their time from diagnosis to surgery and their intravenous (IV) opioid needs. Descriptive statistics were performed.

### Results

One hundred and twenty-nine charts were assessed. The majority were females (N=110, 85.3%) with a median age of 14 years (range 1-16). Forty-nine patients (37.98%) lived within Winnipeg city limits while 80 patients (62.02%) lived rurally. One-hundred-ten patients (85.32%) were considered obese or overweight (BMI >85th percentile). The majority did not require any IV opioids post-operatively (63.57%). Additionally, most patients did not require IV ondansetron (90.7%) or diphenhydramine (86.83%). Patients with acute cholecystitis met the national wait time guideline of operation within 7 days from diagnosis (median wait time 1 day [range 0 - 4]). Patients with biliary colic or pancreatitis did not meet the national wait time guideline of operation within 42 days of diagnosis (median wait time of 60 days (range 7,302). Reasons for delay to surgery were not documented.

### Conclusion

Given the low requirement of post-operative IV opioids in pediatric LC patients, most patients can undergo same-day discharge with adequate over-the-counter pain control. A reduction in hospital stay will result in advantages for both the families and the hospital and reduce nosocomial exposures. Patients and their families will need to be prepared for a same-day discharge with clear expectations, including for pain control.

**Theme:**

Clinical

**Do you have a table/figure to upload?**

No

**Are you willing to participate in Goodbear's Den?**

Yes

**Presenter Status:**

Undergraduate Students

**What was your role in the project?**

Design

## Authors

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