

Implementation of Home Hospitalization and early discharge in gynecologic surgery

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Abstract Number:

BACKGROUND

- Since COVID pandemic started, public health care has been under stress. Saturation of health resources has been forced to restructure and adapt, integrating circuits to effectively respond to healthcare needs without compromising quality, safety and patient's satisfaction
- One of the most relevant aspects has been hospitalization management in surgical patients with benign diseases. In this context, a Home Hospitalization circuit has been designed for patients undergoing major gynecological surgery in order to be discharged a few hours after surgery but who require health care during the first 24-48 hours after surgery.
- The study aims to evaluate the satisfaction of patients undergoing Gynecological Surgery and who adhere to the Home Hospitalization circuit and early discharge through a validated satisfaction survey (S-CAHPS)

METHODS

- Prospective cohort study that included patients undergoing major gynecological surgery for benign disease at Hospital del Mar and who meet the inclusion criteria to be discharged on the same day but who require health care during the first 24-48 hours after surgery
- All patients must be evaluated by the Anesthesiology Department preoperatively and be qualified for early discharge.
- On the day of the surgery, if surgical findings do not contraindicate home admission the patient is kept under observation for 8-10 hours, and is discharged to Home Hospitalization if meets post-surgical discharge criteria
- A home visit is coordinated 24 hours after surgery with a specialized nurse from the HADmar circuit to carry out a physical examination and to detect possible early complications. During this visit a telematic visit is carried out with the doctor.
- Post-surgical face-to-face control is carried out 4 to 6 weeks after surgery, according to standard clinical practice. During this visit patients deliver a validated satisfaction questionnaire (S-CAHPS)

RESULTS

- 15 patients were included. 3 patients were excluded the day of the surgery due surgical complications (N=2) and pain refractory to medication (N=1), and 5 patients were lost to follow-up (questionnaires were either not received or not delivered)
- Regarding the S-CAHPS composite domains in the questionnaire, 85% of patients rated their surgeon as the best possible surgeon. On multivariate analysis, 100% of patients gave top box scores in preoperative communication. Regarding attentiveness top box scores ranged between 71 and 85%. Regarding information to help recovery and postsurgical communication received top box scores between 85 and 100% depending on the domain. (Table 2).
- In a comparative analysis between patients with and without postoperative complications, no significant differences were observed in domains regarding recovery from surgery and surgeon rating. (Table 3).

Table 1. Baseline characteristics of the study population

Demographic characteristics	Mean (95% CI) N (%)
Age	49 (5,99)
BMI	24,34 (3,81)
Parity	
• 0	1 (6,67%)
• 1	4 (26,87%)
• ≥ 2	10 (66,67%)
Medical reason for surgery	
• Myomas	9 (60%)
• Adenomyosis	1 (6,67%)
• Endometriosis	3 (20%)
• Pelvic prolapse	1 (6,67%)
• Large ovarian cyst	1 (6,67%)
Ethnic group	
• Caucasian	10 (66,67%)
• Asian	2 (13,33%)
• African-american	3 (20%)
Postoperative Complications	
• Vault hematoma	2 (13,33%)
• Infection of a vault hematoma	1 (6,67%)

Table 2. S-CAHPS Composite Domains Top Box Responses

Preoperative Communication Domain		Top box %
During your office visits before your surgery, did this surgeon listen carefully to you?		100
During your office visits before your surgery, did this surgeon spend enough time with you?	Yes, definitely	85,71
During your office visits before your surgery, did this surgeon encourage you to ask questions?	Yes, somewhat	100
During your office visits before your surgery, did this surgeon show respect for what you had to say?	No	100
Day of Surgery Attentiveness Domain		
After you arrived at the hospital or surgical facility, did this surgeon visit you before your surgery?	Yes	71,43
Before you left the hospital or surgical facility, did this surgeon discuss the outcome of your surgery with you?	No	85,71
Information To Help You Recover From Surgery		
Did anyone in this surgeon's office explain what to expect during your recovery period?		85,71
Did anyone in this surgeon's office warn you about any signs or symptoms that would need immediate medical attention?	Yes, definitely	100
Did anyone in this surgeon's office give you easy to understand instructions about your recovery period?	Yes, somewhat	85,71
Did this surgeon make sure you were physically comfortable or had enough pain relief after you left the hospital?	No	100
How Well Surgeon Communicates With Patients After Surgery		
After your surgery, did this surgeon listen carefully to you?		85,71
After your surgery, did this surgeon spend enough time with you?	Yes, definitely	85,71
After your surgery, did this surgeon encourage you to ask questions?	Yes, somewhat	85,71
After your surgery, did this surgeon show respect for what you had to say?	No	85,71
Patients' Rating of the Surgeon		
Using any number from 0 to 10, what number would you use to rate all your care from this surgeon?		0-10 9,83 (0,4)

Table 3. Differences in S-CAHPS Composite Domains between patients with and without postoperative complication recovery from surgery and surgeon rating

Information To Help You Recover From Surgery	Postoperative Complication		P value
	Yes	no	
Did anyone in this surgeon's office explain what to expect during your recovery?	100%	75%	0,350
Did anyone in this surgeon's office warn you about any signs or symptoms that would need immediate medical attention?	100%	100%	
Did anyone in this surgeon's office give you easy to understand instructions about your recovery period?	100%	75%	0,350
Did this surgeon make sure you were physically comfortable or had enough pain relief after you left the hospital?	100%	100%	
How Well Surgeon Communicates With Patients After Surgery			
After your surgery, did this surgeon listen carefully to you?	100%	100%	
After your surgery, did this surgeon spend enough time with you?	100%	100%	
After your surgery, did this surgeon encourage you to ask questions?	100%	100%	
After your surgery, did this surgeon show respect for what you had to say?	100%	100%	
Patients' Rating of the Surgeon			
Using any number from 0 to 10, what number would you use to rate all your care from this surgeon?	10	9,75	0,54

CONCLUSIONS

- Overall, patients were satisfied with the information provided regarding the Home Hospitalization circuit in all domains. Scores regarding recovery from surgery and surgeon rating did not differ between patients who underwent surgical complication and those who did not.