Changes in Nursing Interventions: Transitioning to Monitored Anesthesia Care for Endoscopy Procedures Performed in an ASC Miriam Remucal, RN, CGRN; Carol Ponsolle, RN, CGRN; Cathy Fiebiger RN, CGRN; Yankee Lee, RN

Background

Due to the pharmacological properties of propofol, monitored anesthesia care (MAC) has been rapidly increasing in popularity for complex GI procedures as well as routine upper endoscopy and colonoscopy (Al-Awabdy & Wilcox, 2013).

The use of MAC sedation was first trialed at one of our ASCs in 2012. Two of the four procedure rooms used MAC, while the other two continued to use moderate sedation during the trial. Due to the trial success, the remaining five ASCs began to transition to MAC with a goal of 100% transition. As of today, five out of six ASCs have transitioned to 100% MAC. The transition will be complete in 2016.

This transition has led to a number of changes for our nursing staff and the delivery of patient care in our Ambulatory Surgery Centers (ASCs). The goal of this poster is to share what we have learned from this transition from the nursing perspective obtained by surveys of all RNs. Objectives of the poster:

- Share the results of a retrospective analysis of documented nursing interventions performed intraprocedure and in recovery comparing the two sedation types.
- Share educational information that has been useful in educating our staff while implementing MAC versus moderate sedation.

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patients

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Impacts of th	e Transition (
Intra-Procedure Challenges	
Patient Positioning With the use of moderate sedation, patients can assist with repositioning. Patients receiving MAC cannot assist, causing an increased risk for RN or patient injuries, and at times, the need for additional nursing resources.	Abdominal Pr The use of MAC decrease receive instant feedback fr With MAC, patients are als resisting abdominal press Additionally, the level of se specific reflexes which car
 From the results of our nursing survey it was found that 98% of nurses perceived it was more difficult to position a patient receiving MAC versus moderate sedation. 	 Precinc reflexes which can risk of aspiration. 70% of RNs reported a construction of abdominal press receiving MAC.
More difficult in MAC patients Less difficult Same 0% 0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%	Compared to moderate seda the need for abdominal p More likely for MAC Less likely for MAC
 Changes in Nursing Interventions Pre-procedure positioning of patients in left lateral position with right knee over left leg and torso tilted forward. Education on pre-procedure positioning of patients added to abdominal pressure training classes. 	 Same 0% 10% 20% 30% 40% 50% RNs report no change in and time required for hol
 The use of drawsheets was implemented throughout all ASCs. Education on the use of drawsheets and review of proper ergonomics was completed. Outcomes of These Changes Include: 	pressure. Changes in Nursing Inter • Training classes were given regarding the importance of abdominal pressure to
 A safer environment for RNs using drawsheets will contribute to decreased back, shoulder and wrist injuries. A decrease in aspiration risk in optimal positioning prior to medication administration. After these changes were implemented, 74% of RNs reported MAC sedated patients needed to be positioned less often when compared with moderate sedation 	 aspiration along with the need for force. Outcomes of the Changes A reduction in the use of pressure leads to a safer for the patients (reductio risk) and nursing staff (reduction)

Future Directions

injury risk).

The implementation of nearly 100% of patients receiving monitored anesthesia care has resulted in a number of positive changes for our patients and nurses.

- Less focus on intra-procedure documentation, as this task is completed by Anesthesia. • This leads to an increase in nursing attention to patient support, assistance with therapeutics and specimen collection.

The nursing survey has unveiled some opportunities for future discussion and improvements for nursing staff. Including:

- The role of the intra-procedure RN has changed with the addition of anesthesia in the room. RNs report feeling less engaged with the patient.
- Some RNs have misconceptions about the nursing role intra-procedure being assumed by endoscopy technicians, as they are no longer involved in sedation intra-procedure.
- We have identified a need for greater attention to RN ergonomics with patient positioning, moving, abdominal pressure application.
- Currently anesthesia does not document in the EHR resulting in a hybrid medical record of both paper and electronic components. Paper needs to be scanned into the EHR, and this increases the workload of the Health Information Management department staff. Nurses have to document in two (2) places. Plans are in motion to make changes.

to MAC on Nursing Interventions by Care Area





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