

2016

Beacon Journey: Improving Patient Outcomes: Reducing Adverse Drug Events Using an Inter- Professional Team Approach

Laurie Annett

CentraCare Health, annettl@centracare.com

Nicole Higel-Backes

CentraCare Health, higel-backesn@centracare.com

Jaclyn Hoppe

CentraCare Health, hoppejac@centracare.com

Michelle Huffman

CentraCare Health, huffmanm@centracare.com

Teresa Jahn

CentraCare Health, teresa.jahn@centracare.com

See next page for additional authors

Follow this and additional works at: https://digitalcommons.centracare.com/nursing_posters



Part of the [Other Nursing Commons](#)

Recommended Citation

Annett, Laurie; Higel-Backes, Nicole; Hoppe, Jaclyn; Huffman, Michelle; Jahn, Teresa; Klein, Bridget; Mackedanz-Johnson, Jessica; Skillings, Kirsten; Theis, Jayna; and Thoma, Jessica, "Beacon Journey: Improving Patient Outcomes: Reducing Adverse Drug Events Using an Inter-Professional Team Approach" (2016). *Nursing Posters*. 57.

https://digitalcommons.centracare.com/nursing_posters/57

This Book is brought to you for free and open access by the Posters and Scholarly Works at DigitalCommons@CentraCare Health. It has been accepted for inclusion in Nursing Posters by an authorized administrator of DigitalCommons@CentraCare Health. For more information, please contact schlepers@centracare.com.

Authors

Laurie Annett, Nicole Higel-Backes, Jaclyn Hoppe, Michelle Huffman, Teresa Jahn, Bridget Klein, Jessica Mackedanz-Johnson, Kirsten Skillings, Jayna Theis, and Jessica Thoma



Beacon Journey: Improving Patient Outcomes: Reducing Adverse Drug Events Using an Inter-Professional Team Approach



Laurie Annett BSN, RN-BC, Nicole Higel-Backes BSN, Jaclyn Hoppe BSN, Michelle Huffman BSN, Teresa Jahn APRN, CCRN, Bridget Klein BSN, RN-BC, Jessica Mackedanz-Johnson BAN, Kirsten Skillings APRN, CCRN, Jayna Theis BSN, Jessica Thoma BSN



St. Cloud Hospital, St. Cloud, Minnesota

Plan

Literature states that the use of sedation regimens that include routine reversal of benzodiazepines or narcotic agents are not recommended. An inter-professional team concurred that planned reversals would no longer be the standard of practice for patients post procedural sedation.

Do

An inter-professional team:

- Analyzed current sedation practices and the use of reversal agents
- Reviewed literature related to sedation and analgesia by non anesthesiologists
- Proposed recommendations for practice changes

Team Members

- Cardiology Physicians
- Quality Leadership Academy
- Medical Executive Committee
- Electrophysiology Physicians
- Medical Care Review Committee
- Pharmacy and Therapeutic Committee

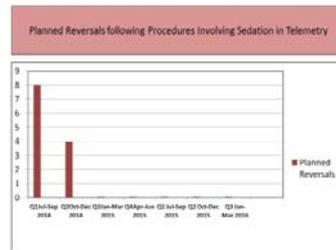
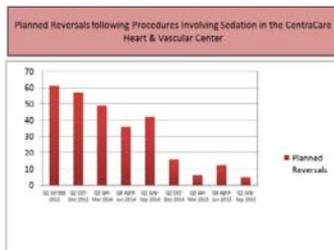
annettl@centracare.com

Check

Pre and Post Outcomes data

Since implementation of this practice change, the Heart and Vascular Center has drastically reduced the number of planned reversals from 60 in 2013 to 6 by the first quarter of 2015.

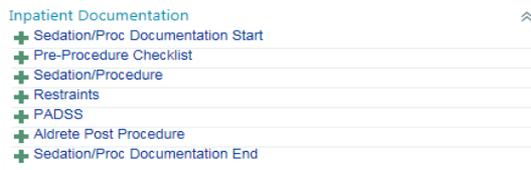
The Telemetry unit has experienced (8-4-0-0-0) planned reversals for the last 5 consecutive quarters.



Ongoing monitoring of outcomes is performed by the Medication safety pharmacist and reported to the Pharmacy Therapeutics and house wide Performance and Improvement committees

Other

Implementation of sedation narrator in the EMR



Act

American Society of Anesthesiologists (ASA) guidelines and proposed practice changes were reinforced with Cardiology MDs , Electrophysiology MDs, and Practice nurses during monthly and face to face meetings

Educational Topics for Nursing Staff:

- ASA guidelines/recommendations for reversal post sedation
- Pharmacokinetics of narcotic and benzodiazepine sedatives and reversal agents
- Created a culture of confidence to empower nurses to speak-up and promote best practice
- Care and monitoring of the patient pre and post sedation
 - Oximetry monitoring
 - ETCO2 monitoring
 - Vital sign frequency
 - Non pharmacological interventions

Education Methods:

- Unit meetings
- Annual education day
- Monthly newsletters
- Annual computer training on sedation
- Order sets updated to reflect ASA recommended guidelines

References

Conway, A., Rolley, J., Page, K., & Fulbrook, P. (2013). Clinical practice guidelines for nurse-administered procedural sedation and analgesia in the cardiac catheterization laboratory: A modified Delphi study. *Journal of Advanced Nursing*, 70(5), 1040-1053. doi:10.1111/jan.12337

Practice Guidelines for Sedation and Analgesia by Non-Anesthesiologists. (2002). *Anesthesiology*, 96(4), 1004-1017. doi:10.1097/0000542-200204000-00031

Welliver, M. (2010). Pharmacological intervention: Reversal of sedation. *Gastroenterology Nursing : the Official Journal of the Society of Gastroenterology Nurses and Associates*, 33(6), 446-447.