

## **A STANDARDIZED AND SYSTEMATIC APPROACH TO INTRAVESICULAR MITOMYCIN–C ADMINISTRATION IN THE PACU**

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**Background Information:** In a leading oncology Post Anesthesia Care Unit (PACU), nurses are responsible for instilling mitomycin-c into the bladder via a urinary diversion device post-surgery. After evaluation of our current process, it was determined that there was a variation in the delivery of chemo therapy and knowledge deficit of this high risk low frequency procedure. Therefore, a multidisciplinary task force was created to identify barriers to best practice, standardize the delivery of intravesicular chemotherapy and provide education and resource material for the PACU nursing team

**Objectives of Project:** The goal of this project was to improve nursing competency on instillation of mitomycin-c and remove barriers to delivering safe and effective treatment to patient receiving chemotherapy.

### **Process of Implementation:**

- Evaluate barriers to the administration of intravesicular Mitomycin-C
- Developed a multidisciplinary task force to assess current standards and best practices
- Approached leadership team with findings and recommendations
- Identify proper PPE (Personal Protection Equipment) and chemotherapy disposal precautions
- Educate staff members on administration and proper documentation of procedure
- Develop a standardized intravesicular chemotherapy cart and partner with Patient Care Providers to assure supplies are available
- Reduce barriers to delivering safe and effective patient care

**Statement of Successful Practice:** A knowledge based assessment was given to nursing team to evaluate aptitude in the administration of mitomycin. Assessment indicated 44% did not understand how to properly instill mitomycin- C an indwelling catheter. 59% of the nursing staff indicated they were uncertain in providing post instillation patient education. Post education survey results showed that 100% understood how to properly instill mitomycin-c and 89% of the nursing staff strongly agreed that they knew how to provide post instillation patient education. The remaining 11% were unsure but were able to identify proper post education resources and assistance.

**Implications for Advancing the Practice of Perianesthesia Nursing:** The development of education in PACU for instilling mitomycin –c can have a direct impact on nurses' comprehension of safe delivery of intravesicular chemotherapy and post instillation patient education.