

Operation room IV medication management

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Abstract

Operation room IV Medication Management will discuss the automated device system and activation in the operating room. Discuss the customized IV medication management system. Discuss the experience at CCAD with OR IV Medication management. Completely automated system using automated dispensing machines and computerized physician order entry. ADM and stock of medication in operating room are completely managed and controlled by pharmacist. Operation Room is unique environment, frequent use of high alert medications; risk of error in OR higher than other specialties due to its immediate and urgent nature. Patient-unstable majority, error/near miss of one in every 274 anesthetics medicines administered. Evidenced based strategies to enhance medication safety all based around IV medication management –STPC (Standardization Technology Pharmacy Culture). Standardization of Pharmacy why?: Concentration different pharmacy and anesthesia prepared on patient returning ICU; Decreased waste; Decreased inefficiencies and delays in process; Reduce potential for errors; Ultimately reduce patient harm; Concentration of majority of IV medication prepared and commercially available; Dosing united of medication; Dosing limits and rates and methods of infusing syringe or bag. Standardization of pharmacy how?: Pharmacy prepare standard drips and syringes eliminating need of IV medications to be prepared by anesthesia within the OR, standardization of one concentration for all IV medication as well as standardization of the double concentration of the double concentration of vasoactive drugs. All products stocked in ADM are the same concentration and volume and same locations. Challenges: Physicians/Anesthesia buy in; wastage high still financial concern; ADM accurate usage- multiple effects and training of staff. Conclusion: Pharmacy/Anesthesia collaboration improved the process and outcomes. Pharmacist role in OR is beyond technical platform rather a steward for medication management. Collaboration allowed for 98% of IV medicines availability within the OR proper use of ADMs is critical to optimize medication use in the OR justifies cost.

Biography

Kabeer Ahmad completed his Doctor of Pharmacy from Sarhad University of Science and Information Technology, Pakistan at 2009, Good Clinical Practices from Brook Wood International academy London 2016. He is the Member of IVPN Abu Dhabi. He is Practicing Pharmacist with Los Angles Hospital Management.



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