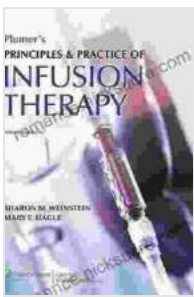


Plumer Principles and Practice of Infusion Therapy: A Comprehensive Guide to Safe and Effective Administration

Infusion therapy is a critical component of modern healthcare, providing essential fluids, medications, and nutrients to patients in a controlled and targeted manner. Plumer Principles and Practice of Infusion Therapy serves as an indispensable guide for healthcare professionals seeking to master the principles, techniques, and best practices of infusion therapy.



Plumer's Principles and Practice of Infusion Therapy

by Mary E. Hagle

★★★★☆ 4.6 out of 5

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Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 816 pages



Key Principles of Infusion Therapy

1. **Patient safety:** The overarching principle of infusion therapy is to ensure the safety and well-being of patients. This involves meticulous attention to detail, strict adherence to protocols, and continuous monitoring for potential complications.
2. **Efficacy:** Infusions should be administered in a manner that optimizes their therapeutic effect. This requires careful selection of infusion rates,

volumes, and diluents based on patient-specific factors and medication characteristics.

3. **Efficiency:** Infusion therapy should be delivered in a timely and cost-effective manner. This involves optimizing workflow, minimizing waste, and leveraging technology to improve efficiency.
4. **Documentation:** Accurate and comprehensive documentation is crucial in infusion therapy. This includes patient assessment, medication administration, complications, and any other relevant information.
5. **Collaboration:** Effective infusion therapy requires collaboration among healthcare professionals from various disciplines, including physicians, nurses, pharmacists, and technicians.

Techniques of Infusion Therapy

Plumer Principles and Practice of Infusion Therapy provides detailed guidance on a wide range of infusion techniques, including:

- **Peripheral intravenous (IV) infusion:** This involves administering infusions into a peripheral vein, typically in the arm or hand.
- **Central venous (CV) infusion:** This involves administering infusions into a large vein in the chest or neck, such as the subclavian or jugular vein.
- **Arterial infusion:** This involves administering infusions into an artery, typically for the delivery of vasodilators or chemotherapy.
- **Intraosseous (IO) infusion:** This involves administering infusions into the bone marrow through a needle inserted into the tibia or humerus.

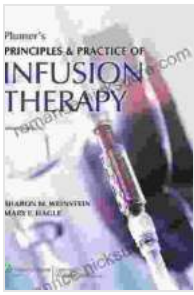
- **Subcutaneous infusion:** This involves administering infusions into the subcutaneous tissue just beneath the skin.

Best Practices for Infusion Therapy

Plumer Principles and Practice of Infusion Therapy emphasizes a number of best practices for maximizing the safety and effectiveness of infusion therapy, including:

- **Proper patient preparation:** This involves assessing the patient's condition, obtaining informed consent, and preparing the access site.
- **Safe handling of medications:** This includes adhering to the "five rights" of medication administration, verifying medication orders, and storing medications properly.
- **Appropriate selection of infusion devices:** This involves choosing the appropriate infusion pump, tubing, and other devices based on the patient's needs and the medication being administered.
- **Continuous monitoring:** This involves monitoring the patient's vital signs, infusion rate, and any signs of adverse reactions.
- **Infection control:** This involves maintaining aseptic technique and adhering to infection control protocols.

Plumer Principles and Practice of Infusion Therapy is an essential resource for healthcare professionals involved in the administration of infusions. Its comprehensive coverage of principles, techniques, and best practices empowers infusion nurses and other clinicians to provide safe, effective, and efficient infusion therapy, ultimately improving patient outcomes.



Plumer's Principles and Practice of Infusion Therapy

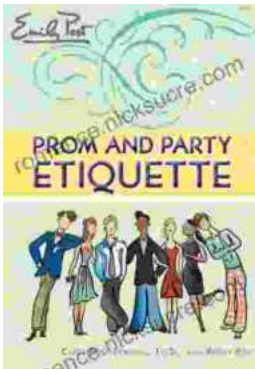
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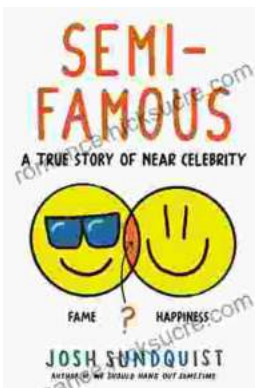
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