

# IV THERAPY TIPS & TRICKS FOR NURSES



To help you overcome your fear and master this really critical nursing skill, here are a few tips and tricks you might find handy.

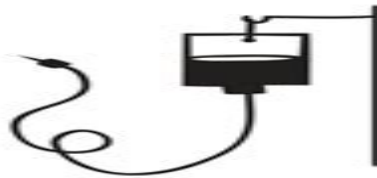
## WHICH CANNULA?

### LARGE

TRAUMA PATIENTS  
LARGE-VOLUME REPLACEMENTS  
MAJOR SURGERY  
DELIVERY OF IRRITANT MEDICATIONS  
CONTRAST STUDY

### SMALL

FRAGILE VEINS  
CYTOTOXIC DRUGS  
PEDIATRIC USAGE

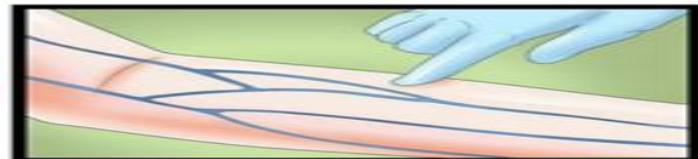


## DILATE THOSE VEINS!

- Cover the site with a hot moist towel
- Apply a nitroglycerin ointment to the insertion site
- Let the patient's arm hang down low
- Use alcohol wipe in the direction of the venous flow

## PICKING THE RIGHT VEIN

- Check the vein by palpating
- Always palpate with the same finger
- Use the basilic vein as a last resort



## START!

- Start the IV in the lowest vein
- Use the "two-step" technique to keep the veins from rolling

## SOURCES:

<https://www.ausmed.com/articles/how-to-place-an-iv/>  
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[https://www.emedicinehealth.com/drug-nitroglycerin\\_topical/article\\_em.htm](https://www.emedicinehealth.com/drug-nitroglycerin_topical/article_em.htm)  
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## Iv Therapy Guidelines

**Cora Spencer, Debrah D. Wonder, Marie  
Acree, Hospital Home Health Care  
Agency of California**

#### **Iv Therapy Guidelines:**

**Intravenous Therapy Administration: a practical guide** Nicola Brooks, 2017-07-20 This handy book written by the author of the very popular Venepuncture and Cannulation A Practical Guide offers step by step guidance in how to administer intravenous fluids and medicines It will be equally helpful whether you are already practising intravenous therapy and wish to refresh or update your knowledge or you are learning this skill for the first time Each chapter contains intended learning outcomes clinical points for practice and activities that enable you to relate the content to your own clinical area The book opens with a general discussion of intravenous therapy followed by an overview of the circulatory system and different types of intravenous access The author explains how to calculate medication doses and describes relevant aspects of pharmacodynamics and pharmacokinetics She looks at safe techniques used in the administration of intravenous fluids and medications and how to use different types of infusion devices as well as the potential risks complications and adverse reactions associated with intravenous therapy The final chapter explores the professional responsibilities of the healthcare practitioner Contents What is intravenous therapy and why is it used An overview of the circulatory system and related anatomy and physiology of the peripheral vascular system Intravenous access and care of the site Calculating medication doses How drugs work an introduction to pharmacokinetics and pharmacodynamics Safe administration of intravenous fluids and medicines Using an infusion device Risk complications and adverse reactions Professional responsibilities Appendices Competency checklist for the preparation of intravenous therapy using a bolus method Competency checklist for the preparation of intravenous therapy using an intermittent or continuous infusion method Record of supervised practice

**Home Care I. V. Therapy** Cora Spencer, Debrah D. Wonder, Marie Acree, Hospital Home Health Care Agency of California, 1996 This new and revised version of the successful manual Home Care IV Therapy provides a practical comprehensive reference on safe and effective home IV therapy it offers all the information needed to operate and administer a quality home IV therapy program with step by step instructions for performing procedures criteria for certification and recertification recommended agency policies and protocols staff education material sample worksheets and illustrated patient education manuals The manual also includes discussions of medications approved for IV administration and a chemotherapy drug manual all in a convenient looseleaf format it also features directions For The care and maintenance of the many new types of catheters that have come on the market in recent years The manual is a complete and comprehensive infusion manual

**Mosby's Pocket Guide to Infusion Therapy** Shirley E. Otto, MSN, CRNI, AOCN, 2004-10-29 Based on recognized standards of practice Mosby's Pocket Guide to Infusion Therapy offers RN and LPN nursing students and practitioners a practical concise resource for learning or reviewing current approaches to infusion therapy as well as a dependable IV pocket reference Divided into consistent key sections such as Troubleshooting Tips Guidelines for Specific Procedures Pain Management and Helpful Hints nurses can rely on this powerful pocket reference daily for their infusion

therapy needs And with the latest information on products guidelines and screening procedures nurses can be sure they are staying current with the latest innovations and trends in the field Presents the principles of infusion therapy in a thorough yet concise manner to facilitate learning and review as well as the easy retrieval of important IV information Highlights Clinical Alerts Trouble Shooting Tips and Potential Complications with consistent icons to point out specific clinical practice tips to save time and to help prevent common errors Illustrates the use of all drug calculation formulas to clearly explain the calculation process and help prevent drug administration errors Provides patient family teaching guidelines to assist the nurse in providing appropriate infusion therapy education to their patients Provides multiple choice study questions at the end of relevant chapters to help the reader evaluate his or her understanding of content and to prepare for the Intravenous Nurses Society Certification exam Includes a Clinical Competency section at the end of relevant chapters to provide health care institutions and clinical educators with a tool that facilitates meeting JCAHO accreditation requirements Identifies pediatric drug calculations with a special icon to easily distinguish between adult and pediatric calculations New and updated information on needleless IV therapy products products that meet JCAHO CDC safety recommendations CDC ANA safe practice guidelines latex allergy and blood products New content on CDC recommendations for screening West Nile Virus and SARS New content on Central Venous Catheters for child adolescent and geriatric patients New product information and illustrations familiarize readers with the latest innovations Expanded content on serum electrolytes keep readers up to date Updated discussion of chemotherapy drugs

*Pocket Guide to Intravenous Therapy* Shirley E. Otto, 2001

Known for its accessibility and accuracy this valuable pocket reference is based on recognized standards of practice for nurses working in diverse patient care settings and with varying clinical preparation In a thorough but concise manner the book explores the principles of IV therapy and details the steps for proficient administration of intravenous medications This new edition is thoroughly revised with new chapters on home care infusion therapy and professional resources plus new illustrations and updated information throughout to ensure clinical accuracy and currency Presents the principles of intravenous therapy in a thorough yet concise manner to facilitate the easy retrieval of important IV information Includes geriatric considerations in appropriate chapters pointing out aspects of care specific to geriatric patients Identifies clinical alerts trouble shooting tips potential complications and general home care guidelines with unique icons that highlight specific clinical practice tips to enhance learning Provides patient family teaching guidelines to direct the nurse in addressing the key educational needs of patients Offers patient education material and illustrations to provide the nurse with ready to use information that promotes the patients active participation in care and treatment Illustrates the use of all drug calculation formulas to ensure accurate IV drug administration Includes learning objectives to reinforce key content Provides multiple choice study questions at the end of appropriate chapters to help the reader understand content or prepare for the Intravenous Nurses Society Certification exam Includes a new chapter on Home Care Infusion Therapy to provide nursing

assessment and intervention strategies for venous access devices infusion pumps and varied infusates administered in the home care setting Offers a new chapter Professional Resources to identify educational objectives of an IV therapy course discuss risk management product research and development and provide product resource information Incorporates illustrations and information on new vascular access products and devices that promote safe vascular access and infection control Includes a clinical competency section at the end of each appropriate chapter to facilitate meeting JCAHO accreditation requirements Identifies pediatric drug calculations with a special icon to easily distinguish between adult and pediatric calculations

**IV Therapy Demystified** Kerry Cheever, 2008-01-10 Your solution to mastering I V therapy Looking for a quick way to learn the ins and outs of I V therapy but find other books dripping with complexity Here s your lifeline I V Therapy Demystified infuses essential information with clear explanations to make learning easy Written by a nursing professor this detailed guide covers fluids and electrolytes I V therapy delivery systems and peripheral and central I V therapy You will learn about crystalloid and colloid solutions and blood component parenteral nutrition and pharmacological therapies I V therapy in infants children and older adults is also covered Filled with key terms to help you to remember important concepts and complete with end of chapter quizzes to test your knowledge this book will teach you the fundamentals of I V therapy in no time at all I V Therapy Demystified is your shortcut to mastering this essential nursing topic This fast and easy guide offers Learning objectives at the beginning of each chapter An NCLEX style quiz at the end of each chapter to reinforce learning and pinpoint weaknesses Measurements labeled in SI units Indications for I V therapy and options for delivery A time saving approach to performing better on an exam or at work

**Intravenous Therapy** Phyllis Fichtelman Nentwich, 1990

**Plumer's Principles and Practice of Intravenous Therapy** Ada Lawrence Plumer, 2007 Disc contains drug monographs on more than 100 intravenous agents in a printable format for patient teaching and 11 appendices with information on continuing education governmental regulations and other subjects relevant to infusion therapy

**IV Therapy For Dummies** Bettie Lilley Nosek, Deborah Trendel-Leader, 2012-11-13 The fast and painless way to ace your IV Therapy course Are you an aspiring nurse nurse practitioner or physician s assistant struggling with IV therapy Help is here IV Therapy For Dummies tracks to a typical IV therapy course and gives you current easy to follow guidance on everything you ll encounter in class such as delivery methods flow rates legal issues profession standards and documentation IV Therapy For Dummies also discusses the necessary components of peripheral and central venous therapy including access sites equipment preparation maintenance and the discontinuation of therapy Plus you ll get the 4 1 1 on the administration of IV medications including special considerations for pediatric elderly and home care patients Tracks to a typical IV Therapy course Provides current comprehensive information in plain English If you re enrolled in an IV Therapy course or a healthcare worker looking for a refresher on this important form of medical treatment IV Therapy For Dummies has you covered

**Introduction to Intravenous Therapy for Health Professionals** Eugenia M. Fulcher, Margaret Schell

Frazier,2007-01-29 Designed for existing courses within the MA curricula this text provides initial preparation for the principles and techniques of intravenous therapy Students will learn the basic knowledge necessary to safely and precisely administer basic IV fluids and medications within the scope of practice for their particular health care profession Each chapter is organized with chapter outlines learning objectives key words with definitions and chapter summaries Includes a basic review of anatomy and physiology to provide a fundamental understanding of how IV therapy can interact with each body system A variety of exercises such as IV calculations or patient teaching are integrated within each chapter to reinforce the learning of often difficult concepts Includes an array of worksheets on the companion Evolve website such as drugs charting or drug and dosage calculations to provide practice tools for the student Each chapter concludes with multiple choice review questions to test students knowledge of the content within that chapter Provides a Competency Check Sheet with standards for performance and to meet competency based education requirements **Evidence-based Nursing Care**

**Guidelines** Betty J. Ackley,2008-01-01 From an internationally respected team of clinical and research experts comes this groundbreaking book that synthesizes the body of nursing research for 192 common medical surgical interventions Ideal for both nursing students and practicing nurses this collection of research based guidelines helps you evaluate and apply the latest evidence to clinical practice Family Practice Guidelines, Fifth Edition Jill C. Cash,Cheryl A. Glass,Jenny

Mullen,2020-05-29 This bible of family practice for primary care clinicians and students provides current national practice guidelines for professional standards of care across the life span Concise and clearly organized this resource features detailed step by step instructions for physical examinations and diagnostic testing in the outpatient setting information on health promotion care guidelines dietary information information on culturally responsive care patient resources and abundant patient education handouts Now in color with abundant images and illustrations this fifth edition features thoroughly updated guidelines and recommendations to reflect latest in practice as well as many new guidelines Each of the diagnoses includes definition incidence pathogenesis predisposing factors common complaints signs symptoms subjective data physical exam and diagnostic tests differential diagnosis and a care plan Key Features Presents information for disorders in consistent format for ease of use Highlights key considerations with Practice Pointers Provides individual care points for pediatric pregnant and geriatric patients Includes 138 printable Patient Teaching Guides Offers 18 procedure guidelines and routine health maintenance guidelines Features appendices that provide guidelines on normal lab values special diets Tanner s Sexual Maturity Stages and teeth *The APRN and PA's Complete Guide to Prescribing Drug Therapy*

2024 Mari J. Wirfs,2024-03-19 An unrivaled reference tool for advanced practice providers and students in clinical practice settings This concise and easy to read drug therapy prescribing reference provides critical information for advanced practice nurses and physician assistants in clinical practice settings who are involved in the primary care management of patients with acute episodic and chronic health problems life altering and life threatening diseases and needs for health promotion

and disease prevention Interspersed with clinically useful information such as monitored laboratory values patient teaching points and safety information this reference draws upon data taken directly from FDA approved drug labels and patient medication guides and is organized by diagnosis rather than by drug classification to provide advanced practice practitioners with the comprehensive concise and up to date information on drug therapies that they need to help achieve positive outcomes in their daily practice The first section of this book presents drug treatment regimens for over 700 clinical diagnoses listed alphabetically by generic name followed by important information required for prescription decision making The second section provides additional information on treatment organized in a convenient table format An alphabetical cross reference index of drugs allows for easy identification of alternate drug names and their location within the text New to this Edition Information on over 100 new diagnoses and over 100 new generic drugs indicated for the treatment of quality of life altering and life threatening conditions such as chronic kidney disease genetic diseases mesothelioma MS metastatic cancers and rare diseases Updates on drugs used for site specific cancers mental health issues and commonly diagnosed diseases such as diabetes and asthma Details on new drug approvals including indications treatment regimens adverse reactions drug drug interactions warnings and precautions and use in special populations Key Features Provides new drug treatment regimens for drugs that are first in class novel drugs orphan drugs new drugs with breakthrough or fast track designation and drugs with new indications and expanded social populations Includes drug prescribing information on diseases prevalent outside of North America including endemic diseases with known transmission and treatment interventions Serves advanced practice providers across the United States and internationally Consistent with approvals and recommendations for use by the FDA

**Pocket Guide to Home Infusion Therapy** Lisa A. Gorski, 2004-11 Designed for the home care nurse this pocket guide is a portable reference for home infusion therapy covering venous access devices and other infusion devices and pumps

***Intravenous Therapy in Nursing Practice*** Lisa Dougherty, Julie Lamb, 2009-03-17 Intravenous Therapy in Nursing Practice provides a comprehensive guide to the management of intravenous therapy in nursing and explores all aspects of intravenous therapy in both hospital and community settings It addresses core clinical skills including the preparation and administration of intravenous drugs peripheral venous access acute and long term central venous access and paediatric intravenous therapy The book also explores relevant anatomy and physiology fluid and electrolyte balance pharmacological aspects and legal and ethical issues in order to equip nurses with the skills and knowledge needed in order to provide safe and effective care Addresses key specialist skills including blood transfusion parenteral nutrition and safe administration of cytotoxic drugs A definitive text for nurses working in the hospital and the community Contains contributions from leading nurse practitioners Intravenous Therapy in Nursing Practice is an essential resource for nurses and health professionals working in intravenous therapy

**Sterile Processing for Pharmacy Technicians** Karen Davis, AAHCA, BS, CPhT, 2013-09-27 Covering aseptic technique and how to prepare sterile products

Sterile Processing for Pharmacy Technicians ensures safety accuracy and correctness of medications Reflecting American Society of Health System Pharmacists ASHP competencies this comprehensive book provides principles and guidelines laboratory exercises and hands on practice with actual institutional orders Written by expert pharmacy technician educator Karen Davis Sterile Processing for Pharmacy Technicians also provides checklists that map to ASHP competencies Complete coverage of USP 797 guidelines basic aseptic manipulations and working with IVs prepares you for institutional externships and for practice Unique ASHP competency checklists allow accurate documentation of competencies Lab activities allow you to perform basic hands on aseptic manipulations in the lab Tech Notes provide hints that you can use on the job Tech Alerts provide safety warnings and help you avoid common errors Guidelines and objectives are consistent with the ASHP Model Curriculum for Technician Training Student resources on an Evolve companion website help you review and apply what you have learned with quizzes syringe calculations and critical thinking exercises

**Clinical Nursing Skills and Techniques**  
**- E-Book** Anne G. Perry, Patricia A. Potter, Wendy R. Ostendorf, Nancy Laplante, 2024-01-16 Learn the clinical nursing skills you will use every day and prepare for success on the Next Generation NCLEX Examination Clinical Nursing Skills Techniques 11th Edition provides clear step by step guidelines to more than 200 basic intermediate and advanced skills With more than 1 200 full color illustrations a nursing process framework and a focus on evidence based practice this manual helps you learn to think critically ask the right questions at the right time and make timely decisions Written by a respected team of experts this trusted text is the bestselling nursing skills book on the market Comprehensive coverage includes more than 200 basic intermediate and advanced nursing skills and procedures Rationales for each step within skills explain the why as well as the how of each skill and include citations from the current literature Clinical Judgments alert you to key steps that affect patient outcomes and help you modify care as needed to meet individual patient needs UNIQUE Unexpected Outcomes and Related Interventions sections highlight what might go wrong and how to appropriately intervene Clinical Review Questions at the end of each chapter provides case based review questions that focus on issues such as managing conflict care prioritization patient safety and decision making More than 1 200 full color photos and drawings help you visualize concepts and procedures Nursing process format provides a consistent presentation that helps you apply the process while learning each skill NEW All new Clinical Judgment in Nursing Practice chapter incorporates concepts of the NCSBN clinical judgment model Updated evidence based literature is incorporated throughout the skills NEW End of chapter questions and end of unit unfolding case studies provide optimal preparation for the Next Generation NCLEX NGN

Illustrated Study Guide for the NCLEX-RN® Exam 8 JoAnn Zerwekh, 2012-11-13 It's a fun visual review for the NCLEX Illustrated Study Guide for the NCLEX RN Exam 8th Edition covers all the nursing concepts and content found on the latest NCLEX RN examination A concise outline format makes studying easier and 2 300 NCLEX exam style review questions including alternate item formats are included to test your knowledge at the end of each chapter and on the Evolve companion



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**Treatment Guidelines—A Manual for Medical Therapeutics, 6e** Sangeeta Sharma, GR Sethi, 2021-09-01 Presenting a practical book on managing the patient Why To assist busy clinicians in clinical decision making To reduce inappropriate clinical variation in practice To improve quality of care and patient safety How User friendly ready reckoner Holistic approach Up to date Evidence based For Whom General practitioners Primary care physicians Undergraduate medical students Postgraduates and Resident doctors Consultants This clinically oriented book covers more than 330 priority diseases in 11 specialties focusing on clinical manifestations therapeutic advances patient management and patient education This edition presents you with Major revisions reflecting latest recommendations in all chapters and presenting new algorithms Key information on COVID 19 pandemic Restandardized cardio pulmonary resuscitation algorithms and guidelines in view of the COVID 19 pandemic Severe acute respiratory infections SARI including COVID 19 management of COVID 19 and co infections Pregnancy in COVID 19 etc A new chapter on tumours and cancers with a special focus on screening and early diagnosis and treatment of some of the most common cancers Several new priority diseases namely syncope button battery injuries acute encephalitis syndrome cerebral palsy club foot scrub typhus herpes zoster ophthalmicus frost bite polycystic ovarian syndrome PCOS etc Antimicrobial Stewardship principles in the treatment of infectious diseases Large number of experts have contributed in this book to help solve the problems you encounter in everyday practice This reader friendly up to date and comprehensive book provides expert information you can use immediately in your clinical practice including goals of treatment and assessment of response to therapy with step up as well

as step down criteria A busy clinician can thus make an informed effective patient management decision for different levels of health care from primary health care to detailed protocols for tertiary care health centres

**The APRN's Complete Guide to Prescribing Drug Therapy 2017** Mari J. Wirfs, 2016-08-22 This is a concise easy to read prescribing reference for advanced health care providers involved in the primary care management of patients with acute episodic and chronic health problems Organized alphabetically by clinical diagnosis for quick access in all clinical settings the guide encompasses CDC and FDA approved pharmacotherapy regimens for more than 500 clinical diagnoses along with clinically useful information in convenient quick access format Another outstanding feature is the inclusion of pointers throughout the guide highlighting such clinically important information as laboratory values to be monitored precautions and contraindications patient teaching points pediatric usage and dosages and safety information Each diagnosis includes appropriate drug choices listed alphabetically by generic name and Trade name FDA pregnancy category drug availability in generic or over the counter forms adult and pediatric dosing regimens brand names dosage forms drug additives and more Thirty easy to use tables in the appendices include FDA pregnancy categories U S Schedule of Controlled Substances Childhood and Adult Immunization Schedules Contraceptive Guidance categories of Glucocorticosteroids Anti infectives by class and more An alphabetical cross reference index of drugs by generic and brand name with FDA pregnancy category and controlled drug schedule facilitates quick identification of drugs by alternate names and relative safety during pregnancy Key Features Facilitates speedy drug information retrieval for primary care providers in all settings Organizes over 300 diagnoses alphabetically by alternate names for ease of use Highlights clinically important information such as lab values to monitor patient education points and safety information Includes Appendix of 30 tables for quick access to key drug classifications FDA pregnancy categories Schedule of Controlled Substances Childhood and Adult Immunization Schedules etc Provides generic Trade name cross reference reference

*Nursing Diagnosis Handbook - E-Book* Betty J. Ackley, Gail B. Ladwig, 2013-01-20 The 10th edition of the Nursing Diagnosis Handbook makes formulating nursing diagnoses and creating individualized care plans a breeze Updated with the most recent NANDA I approved nursing diagnoses this convenient reference shows you how to build customized care plans in three easy steps assess diagnose plan Authors Elizabeth Ackley and Gail Ladwig use Nursing Outcomes Classification NOC and Nursing Interventions Classification NIC to guide you in creating care plans that include desired outcomes interventions patient teaching and evidence based rationales Unique Care Plan Constructor on the companion Evolve website offers hands on practice creating customized plans of care Alphabetical thumb tabs allow quick access to specific symptoms and nursing diagnoses Suggested NIC interventions and NOC outcomes in each care plan Recent and classic research examples promote evidence based interventions and rationales NEW 4 Color text NEW Includes updated 2012 2014 NANDA I approved nursing diagnoses NEW Provides the latest NIC NOC interventions and rationales for every care plan NEW QSEN Safety interventions and rationales NEW 100 NCLEX exam style review questions are available

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