

Fluid & Electrolytes Cheat Sheet

Sarah Smith's Study Guide Remastered



SimpleNursing

Electrolyte	Function	HYPER "HIGH"	Hypo "low"
Potassium 3.0 - 3.5	P - Potassium P - Priority! Since it... P - Pumps the heart & muscles	HYPERkalemia (over 3.5) HEART - TIGHT & CONTRACTED 1ST elevation and Peaked T waves 2 Severe = Vfib or Cardiac Standstill 3 Hypotension, Bradycardia GI TRACT - TIGHT & CONTRACTED 1 Diarrhea 2 Hyperactive bowel sounds NEUROMUSCULAR - TIGHT & CONTRACTED Paralysis in Extremities Increased DTR Profound Muscle Weakness (General Feeling of heaviness)	Hypokalemia (below 3.0) HEART - LOW & SLOW 1 Flat T waves, ST depression, & prominent U wave MUSCULAR - LOW & SLOW 1 Decreased DTR 2 Muscle cramping 3 Flaccid paralysis (paralyzed limbs) GI - LOW & SLOW Decreased motility, hyperactive to absent bowel sounds, Constipation Abdominal distention Paralytic ileus, paralytic ileostomy *PRIORITY* for SBO (small bowel obstruction)
Sodium 135 - 145	S - Sodium S - Swells the body to maintain: <ul style="list-style-type: none"> Blood pressure Blood Volume pH balance 	HYPERnatremia (over 145) HYPERNATREMIA = BIG & BLOATED SKIN 1. FLUSH "Red & Rony" EDEMA "water bed skin" LOW GRADE FEVER 2. POLYDIPSIA EXCESS THIRST 3. LATE SERIOUS SIGN SWOLLEN dry tongue NO LETH GI = nausea & vomiting NO LETH INCREASED muscle tone NO LETH	Hyponatremia (below 135) HYPONATREMIA - DEPRESSED & DEFLATED NEURO = Seizures & Coma HEART = Tachycardia, & weak thready pulses RESPIRATORY ARREST
Chloride 97 - 107	Sodium's side kick Maintains: <ul style="list-style-type: none"> Blood pressure Blood Volume pH balance 	HYPERchloremia (over 107) NEARLY SAME AS HIGH SODIUM 1 NAUSEA & VOMITING 2 SWOLLEN DRY TONGUE 3 CONFUSION	Hypochloremia (below 97) NEARLY SAME AS LOW SODIUM 1 EXCESSIVE DIARRHEA, VOMITING, SWEATING 2 FEVER TEST TIP: ONLY DIFFERENCE
Magnesium 1.3 - 2.1	M - Magnesium M - Mellows the M - Muscles (relaxes)	HYPERmagnesemia (over 2.1) 1. CARDIAC - CALM & QUIET Heart block Prolonged PR intervals VITALS = bradycardia, Hypotension 2. DEEP TENDON REFLEXES - CALM & QUIET Hyporeflexia - Decreased DTR 3. LUNGS - CALM & QUIET Depressed shallow respirations 4. GI - CALM & QUIET Hypoactive bowel sounds	Hypomagnesemia (below 1.3) 1. CARDIAC - BUCKWILD EKG: ST depression, T wave inversion Torsades de pointes SEVERE = V fib VITALS = Tachycardia 2. DEEP TENDON REFLEXES - BUCKWILD Hyporeflexia - increased DTR 3. EYES - BUCKWILD Abnormal eye movements (nystagmus) 4. GI - BUCKWILD Diarrhea
Calcium 9.0 - 10.5	Keeps the 3 B's Strong B - Bone B - Blood B - Beats (heart)	HYPERcalcemia (over 10.5) SWOLLEN & SLOW - MOANS, GROANS & STONES 1. CONSTIPATION 2. BONE PAIN 3. STONES Renal Calculi (kidney-stones) 4. DEEP TENDON REFLEXES Decreased DTR Severe muscle weakness	Hypocalcemia (below 9.0) 1 T - Trousseau's T - Twisting arm with BP cuff on 2 C - Chvostek's C - Cheek smile when touched 3 Diarrhea 4 Circumoral tingling 5 Weak bones
Phosphate 3.0 - 4.5	Helps with bone & teeth formation. Helps regulate calcium Ca HIGH = Phosphate LOW Ca LOW = Phosphate HIGH	HYPERphosphatemia (over 4.5) "LOW CALCIUM" BADA CAH 1. TROUSSEAU'S SIGNS 2. CHVOSTEK'S SIGNS 3. DIARRHEA 4. WEAK B's Strong bones? WEAK (fractures) Strong blood clotting? WEAK (risk for bleeding) Strong heart beats? WEAK (cardiac dysrhythmias)	Hypophosphatemia (below 3.0) Swollen & SLOW - MOANS, GROANS & STONES 1. CONSTIPATION 2. DECREASED DTR & SEVERE MUSCLE WEAKNESS 3. DECREASED HR, RR 4. INCREASED BP

*Disclaimer: Values above are based on NCLEX standards, many books & hospitals will differ in their values.

Fluid And Electrolyte Balance Study Guide

Jon Haws, Sandra Haws



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Instructor's Manual and Study Guide Answers for the Human Body in Health and Disease Barbara Janson Cohen,Memmler,1996 **Fluids, Electrolytes and Acid-Base Balance** Jon Haws,Sandra Haws,2015-04-20 Table of contents Fluid and electrolyte basics Kidney s role in fluid and electrolyte balance Disorders of fluid balance Nursing assessment Electrolyte disorders Acid base balance Acid base disorders Case study 1 Case study 2 Lab values in assessment of fluid electrolyte and acid base balance NCLEX fluid and electrolyte questions *The Kelalis-King-Belman Textbook of Clinical Pediatric Urology Study Guide* Aseem R. Shukla,Paul F. Austin,C.D. Anthony Herndon,2008-09-17 This study guide takes each chapter of Clinical Pediatric Urology Fifth Edition without doubt the most well respected and authoritative book on the subject in the world and in the format of a Q A style poses the most common questions in that particular area which those taking the ABU examinations are likely to be tested on With a foreword

Study Guide and Solutions Manual for Seager/Slabaugh's Chemistry for Today Seager/Slabaugh,2004 The fifth edition of the Study Guide and Student Solutions Manual has been updated to reflect all of the changes to the text This ancillary tests the student on the learning objectives in each chapter and provides answers to all of the even numbered end of chapter exercises New additional activities have been added to include a review of each section of the chapter and a section entitled Tying It All Together with a Laboratory Application

Study Guide for Fundamentals of Nursing Helen Harkreader,Mary Ann Hogan,Marshelle Thobaben,2003-08 Practical and student friendly this helpful Study Guide is designed to assist students in mastering the content presented in the text Tied chapter by chapter to the text Includes Performance Checklists for all the procedures in the text Includes exercises on clinical judgment related to the case studies in the text chapter Includes chapter purpose learning objectives and a variety of learning exercises including matching true or false and fill in the blanks Answers to all activities and exercises are included in the back of the book Test Yourself sections present a series of NCLEX style multiple choice questions to provide practice in test taking and help with preparation for exams A multimedia focus with references to the main text to the text s EVOLVE website and to the Virtual Clinical Excursions that accompany this title

Fluid And Electrolyte Balance A Reference For Nurses Gale Gaibler,2020-11-28 Fluid and electrolyte balance is a dynamic process that is crucial for life and homeostasis It s probably one of the most common challenges for nursing students Luckily I have crafted this incredible study tool for you In this book You will be given all the secrets YOU NEED TO KNOW in order to look at a patients laboratory values and understanding

them without difficulty Patients with electrolyte imbalances tend to have serious problems that you alone can figure out and interpret by using this book Every patient you treat has the potential for a fluid and electrolyte imbalance and it is the job of every nurse to recognize when this is happening and be informed of all the ways this can affect the patient In 24 Hours or Less You Will Understand The Basics of Fluid Balance The Meaning of Hypo and Hypernatremia The Balance of Potassium in the Body The Dangers of Electrolyte Imbalances What it Means When Some of the Trace Electrolytes are out of Balance All of this will become clear to you soon and you can become a fluid and electrolyte expert understanding things that it takes months for others to understand What is holding you back In no time you will be CRUSHING the NCLEX Exam **Keeping**

Electrolytes & Fluids In Balance Wilma Sipes,2021-05-15 Fluids and electrolytes play a vital role in homeostasis within the body by regulating various bodily functions including cardiac neuro oxygen delivery and acid base balance and much more Fluid and electrolyte balance is essential to the process of life and abnormal concentrations can be life threatening Electrolytes are the engine behind the cellular function and maintain voltages across cellular membranes Without proper electrolyte balance the body is unable to carry out the most basic functions Understanding the basics of these complex concepts is vital to your success in caring for complex patients In this book You will be given all the secrets YOU NEED TO KNOW in order to look at a patient s laboratory values and understanding them without difficulty Patients with electrolyte imbalances tend to have serious problems that you alone can figure out and interpret by using this book The Pain and Frustration Can End Right Now This study guide will bring you EASY to LEARN lessons that you can master in UNDER 24 HOURS to ABSOLUTELY CRUSH the NCLEX Exam In 24 Hours or Less You Will Understand The Basics of Fluid Balance The Meaning of Hypo and Hypernatremia The Balance of Potassium in the Body The Dangers of Electrolyte Imbalances What it Means When Some of the Trace Electrolytes are out of Balance All of this will become clear to you soon and you can become a fluid and electrolyte expert understanding things that it takes months for others to understand Medical-Surgical

Nursing - E-Book Susan C. deWit,Holly K. Stromberg,Carol Dallred,2016-02-26 Providing a solid foundation in medical surgical nursing Susan deWit s Medical Surgical Nursing Concepts and Practice 3rd Edition ensures you have the information you need to pass the NCLEX PN Examination and succeed in practice Part of the popular LPN LVN Threads series this uniquely understandable concise text builds on the fundamentals of nursing covering roles settings and health care trends all body systems and their disorders emergency and disaster management and mental health nursing With updated content chapter objectives and review questions this new edition relates national LPN LVN standards to practice with its integration of QSEN competencies hypertension diabetes and hypoglycemia Concept Maps in the disorders chapters help you visualize difficult material and illustrate how a disorder s multiple symptoms treatments and side effects relate to each other Get Ready for the NCLEX Examination section includes Key Points that summarize chapter objectives additional resources for further study review questions for the NCLEX Examination and critical thinking questions Nursing Care Plans

with critical thinking questions provide a clinical scenario and demonstrate application of the nursing process with updated NANDA I nursing diagnoses to individual patient problems Anatomy and physiology content in each body system overview chapter provides basic information for understanding the body system and its disorders and appears along with Focused Assessment boxes highlighting the key tasks of data collection for each body system Assignment Considerations discussed in Chapter 1 and highlighted in feature boxes address situations in which the RN delegates tasks to the LPN LVN or the LPN LVN assigns tasks to nurse assistants per the individual state nurse practice act Gerontologic nursing presented throughout in the context of specific disorders with Elder Care Points boxes that address the unique medical surgical care issues that affect older adults Safety Alert boxes call out specific dangers to patients and teach you to identify and implement safe clinical care Evidence based Practice icons highlight current references to research in nursing and medical practice Patient Teaching boxes provide step by step instructions and guidelines for post hospital care and prepare you to educate patients on their health condition and recovery Health Promotion boxes address wellness and disease prevention strategies that you can provide in patient teaching

National Library of Medicine Audiovisuals Catalog National Library of Medicine (U.S.),
Pocket Guide to Fluid, Electrolyte, and Acid-base Balance Mima M. Horne, 1993 **Medical Technology Examination Review and Study Guide** Anna P. Ciulla, Georganne K. Buescher, 1992 This self examination review is designed to prepare students for exams such as the US National Certificate Examinations Over 200 multiple choice and objective questions are accompanied by detailed explanations The new edition features a practice exam and additional case study questions

Fundamentals of Nursing Carol Taylor (CSFN.), Carol R. Taylor, 2008 Designed to maximize visual learning this Sixth Edition features a new art program and an integrated cohesive student focused suite of multimedia products Brand new icons direct students to free video clips and online activities New concept maps walk students through the nursing process for selected case study patients Unexpected outcomes are now included in skills descriptions Like previous editions the text maintains its unique holistic blended skills approach to nursing care and focuses on case based learning and critical thinking A back of book CD ROM includes video clips and a Spanish English audio glossary A companion online course is available free with purchase of the text *Fluid, Electrolyte, and Acid-base Balance* Mima M. Horne, Ursula Easterday Heitz, Pamela L. Swearingen, 1991 This book is written to help nursing students and professionals apply the scientific principles of fluid electrolyte and acid base balance to the clinical setting It is scientifically based and focuses on nursing care for patients with a variety of pathophysiologic processes *Manual of Pediatric Emergency Nursing* Treasa Etheredge Soud, Janice S. Rogers, 1998 Essential information on nursing care of the most frequently encountered pediatric emergencies Its practical readily understood discussions are organized by body systems It covers current approaches to emergency treatment of children selected emergencies and pediatric trauma 202 illus *Medical-Surgical Nursing* Susan C. deWit, Holly Stromberg, Carol Dallred, 2016-02-05 Providing a solid foundation in medical surgical nursing Susan deWit's Medical Surgical

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Guide to Nursing Resource Materials Colleen Conklin, 1971 [The Journal of Nursing Education](#) , 1976 **Getting College Course Credits by Examination to Save \$\$\$** Gene R. Hawes, 1979

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Table of Contents Fluid And Electrolyte Balance Study Guide

1. Understanding the eBook Fluid And Electrolyte Balance Study Guide
 - The Rise of Digital Reading Fluid And Electrolyte Balance Study Guide
 - Advantages of eBooks Over Traditional Books
2. Identifying Fluid And Electrolyte Balance Study Guide
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Fluid And Electrolyte Balance Study Guide
 - User-Friendly Interface
4. Exploring eBook Recommendations from Fluid And Electrolyte Balance Study Guide
 - Personalized Recommendations
 - Fluid And Electrolyte Balance Study Guide User Reviews and Ratings
 - Fluid And Electrolyte Balance Study Guide and Bestseller Lists
5. Accessing Fluid And Electrolyte Balance Study Guide Free and Paid eBooks
 - Fluid And Electrolyte Balance Study Guide Public Domain eBooks

- Fluid And Electrolyte Balance Study Guide eBook Subscription Services
- Fluid And Electrolyte Balance Study Guide Budget-Friendly Options
- 6. Navigating Fluid And Electrolyte Balance Study Guide eBook Formats
 - ePub, PDF, MOBI, and More
 - Fluid And Electrolyte Balance Study Guide Compatibility with Devices
 - Fluid And Electrolyte Balance Study Guide Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Fluid And Electrolyte Balance Study Guide
 - Highlighting and Note-Taking Fluid And Electrolyte Balance Study Guide
 - Interactive Elements Fluid And Electrolyte Balance Study Guide
- 8. Staying Engaged with Fluid And Electrolyte Balance Study Guide
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Fluid And Electrolyte Balance Study Guide
- 9. Balancing eBooks and Physical Books Fluid And Electrolyte Balance Study Guide
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Fluid And Electrolyte Balance Study Guide
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Fluid And Electrolyte Balance Study Guide
 - Setting Reading Goals Fluid And Electrolyte Balance Study Guide
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Fluid And Electrolyte Balance Study Guide
 - Fact-Checking eBook Content of Fluid And Electrolyte Balance Study Guide
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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