

# MED/SURG CHEAT SHEET

## Basic Metabolic Panel (BMP)

Na 135-145	Cl 95-105	BUN 7-22	Renal Diagram	Glu 70-80
K 3.5-5.0	CO2 22-28	Cr 0.7-1.4		Ca 8-10
				Mg 1.5-2.5
				Phos 2.5-4.5
WBC 5K-10K	Hgb 12-18	Hct 35-45	Coagulation	PT 9-11 sec
Ab 3.4-5.0	AST 10-40	ALT 10-50		PTT 25-35
Liver Panel				INR 0.9-1.8
				1.5-2.5x normal if on Heparin

## Normal Vital Signs

BP	<120 mmHg Systolic <80 mmHg Diastolic
HR	60-100
RR	12-20
O2	90%-100% 88%-92% for COPD
Temp	97.8 F-99 F

## Heart Rhythm Measurements

PR Interval	0.12-0.2 sec
QRS Complex	0.06-0.12 sec
QT Interval	<0.4 sec

## Blood Sugars

Hot & dry → Sugar high  
Cold & clammy → needs candy

## Electrolytes/Lab

	Normal Value	S/S of Abnormality
Sodium	135-145	↑ Δ LOC, Restlessness, Agitation ↓ Central edema, nausea, seizures
Potassium	3.5-5	↑ Muscle weakness, arrhythmias, peaked T waves, wide QRS complex ↓ Muscle weakness, cramps, rhabdo
Magnesium	1.5-2.5	↑ ↓ Deep tendon reflex, ↑ BP, ↑ HR, muscle paralysis ↓ Tetany, arrhythmias, (Torsades)
Calcium	8-10	↑ Polyuria, polydipsia, muscle weakness ↓ Tetany
Phosphorus	2.5-4.5	↑ Effects of ↑ Ca (Phosphorus & calcium are inversely proportional) ↓ Effects of ↑ Ca
Ammonia	0-55	↑ Encephalopathy

## Insulins

	Name	Onset	Peak	Duration
Rapid	Insulin Lispro (Humalog)	15-30 min	0.5-2.5 hrs	3-6 hrs
	Insulin Aspart (Novolog)	10-20 min	1-3 hrs	3-5 hrs
	Insulin Glargine	10-15 min	1-5 hrs	3-5 hrs
Short	Regular Insulin	30-60 min	1-5 hrs	6-10 hrs
Intermediate	NPH Insulin	1-2 hrs	6-14 hrs	16-24 hrs
Long	Insulin Glargine (Lantus)	70 min	None	18-24 hrs
	Insulin Detemir	1-2 hrs	2-24 hrs	Varies

## O2 Delivery Devices

Nasal Cannula	1-6 LPM	Low-flow device. Used for stable patients. Extended use can be drying, may add humidity
Simple Mask	6-10 LPM	Low-flow device. Used for stable patients with consistent respiratory rate
No rebreather Mask	10-15 LPM	Delivered up to 100% oxygen. One way flaps prevent room air from collecting within the mask during inspiration, & retention of CO2 during exhalation

## Fluid & Electrolytes:

Intravascular: fluid inside the blood vessel  
Intracellular: fluid inside the cell (most of the body's fluids)  
Extracellular: fluid outside the cell (interstitial fluid [fluid between the cell], blood, bone, connective tissue, water)

Isotonic	0.9% NS, D5W, Lactated Ringers (LR)
Hypotonic	0.45% NS, 0.33% NS
Hypertonic	3% NS, 5% NS, D10W, D5W with 1/2 NS, D5LR
Colloid	Dextran, Albumin

Monitor patients with severe diarrhea &/or vomiting for electrolyte imbalances

No osmotic force = water doesn't move in or out of cells  
More dilute solutions (more water than solute) = water moves into cells → monitor for edema  
More concentrated solution (more solute than water) = water moves out of cells  
Fluid moves from interstitial to intravascular compartment → given for severe hypovolemia

## Staging Pressure Ulcers

Stage 1	— Non-blanchable reddened area — Intact Skin
Stage 2	— Partial thickness skin loss involving epidermis, dermis, or both — May present as a blister or abrasion
Stage 3	— Full thickness skin loss — Involves damage to or necrosis of sub-q tissue
Stage 4	— Full thickness skin loss — Involving bone, tendon, or muscle showing
Unstageable	— Full thickness with slough (scabbing) or eschar (necrotic tissue)

# Lab Values Medsurg Nursing

**Linda Anne Silvestri**



## **Lab Values Medsurg Nursing:**

*Brunner & Suddarth's Textbook of Medical-surgical Nursing* Suzanne C. O'Connell Smeltzer, Brenda G. Bare, Janice L. Hinkle, Kerry H. Cheever, 2010 Preparing students for successful NCLEX results and strong futures as nurses in today's world Now in its 12th edition Brunner and Suddarth's Textbook of Medical Surgical Nursing is designed to assist nurses in preparing for their roles and responsibilities in the medical surgical setting and for success on the NCLEX In the latest edition the resource suite is complete with a robust set of premium and included ancillaries such as simulation support adaptive testing and a variety of digital resources helping prepare today's students for success This leading textbook focuses on physiological pathophysiological and psychosocial concepts as they relate to nursing care Brunner is known for its strong Nursing Process focus and its readability This edition retains these strengths and incorporates enhanced visual appeal and better portability for students Online Tutoring powered by Smarthinking Free online tutoring powered by Smarthinking gives students access to expert nursing and allied health science educators whose mission like yours is to achieve success Students can access live tutoring support critiques of written work and other valuable tools [You CAN Teach Med-Surg Nursing!](#) Mary A. Miller, Mary Miller, RN, MSN, CCRN, Deborah Wirwicz, BSN, MSN, Ed, Deborah C. Wirwicz, 2014-07-29 Print CourseSmart [Medical-surgical Nursing](#) Lois White, Gena Duncan, 2002 Medical Surgical Nursing An Integrated Approach 2E examines all aspects of this nursing field from how and where the health care delivery system is set up to the nurse's role in care related to IV therapy and diagnostic testing to legal and ethical responsibilities communication and cultural diversity This revised edition also includes new chapters covering alternative therapies and responding to emergencies Case studies critical thinking questions and exercises developing care plans encourage students to think beyond the classroom Full color illustrations cross referencing between chapters and suggested resources are among the many features that will appeal to students Diagnostic tests are listed alphabetically in chart form making important information about the test normal values and nursing responsibilities easy to find Chapter end critical thinking questions help students apply chapter content Web Flash box suggests Internet sites students can consult for additional information Text includes a glossary a list of abbreviations and acronyms a listing of the latest NANDA nursing diagnoses and Standard Precautions [Medical-Surgical Nursing - E-Book](#) Donna D. Ignatavicius, M. Linda Workman, Cherie R. Rebar, Nicole M. Heimgartner, 2020-10-01 Master the essential medical surgical nursing content you'll need for success on the Next Generation NCLEX Exam NGN and safe clinical practice Medical Surgical Nursing Concepts for Interprofessional Collaborative Care 10th Edition uses a conceptual approach to provide adult health knowledge and help you develop the clinical nursing judgment skills that today's medical surgical nurses need to deliver safe effective care Iggy emphasizes three emerging trends in nursing interprofessional collaborative care concept based learning and clinical judgment and systems thinking trends that will ground you in how to think like a nurse and how to apply your knowledge in the classroom simulation laboratory and clinical settings A perennial

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Fundamentals of Medical-Surgical Nursing Anne-Marie Brady, Catherine McCabe, Margaret McCann, 2014-01-28 Fundamentals of Medical Surgical Nursing Fundamentals of Medical Surgical Nursing A Systems Approach Fundamentals of Medical Surgical Nursing is a comprehensive yet easy to read overview of medical and surgical nursing designed specifically to support all nursing students learning to care for the adult patient Highly illustrated and with an easy to follow systems based structure it provides a thorough foundation in anatomy and physiology pathophysiology medical management and nursing care for the full spectrum of adult health conditions KEY FEATURES Extensive coverage of principles of nursing assessment medication administration infection prevention and control and nutritional care Key need to know information and definitions for the anatomy physiology and pathology of a range of illnesses and conditions Detailed overviews of nursing care including patient education treatment and complications An online resource centre with a range of extras for both lecturers and students including case studies reflective activities interactive multiple choice questions and further reading lists Fundamentals of Medical Surgical Nursing is the ideal textbook to help students succeed on their adult nursing course with online self test [www.wileyfundamentalseries.com/medicalnursing](http://www.wileyfundamentalseries.com/medicalnursing) Interactive multiple choice questions Reflective questions for downloading Case studies Links to online resources When you purchase the book you also receive access to the Wiley E Text Powered by VitalSource This is an interactive digital version of the book featuring downloadable text and images highlighting and notetaking facilities bookmarking cross referencing in text searching and linking to references and abbreviations Fundamentals of Medical Surgical Nursing is also available on CourseSmart offering extra functionality as well as an immediate way to access the book For more details see [www.coursesmart.co.uk](http://www.coursesmart.co.uk) 9780470658239

Medical-Surgical Nursing Certification Review Pam Collins, 2022-08-23 Medical Surgical Nursing Certification Review A Practical Guide is designed to help you prepare for both the MSNCB Certified Medical Surgical Registered Nurse CMSRN and ANCC Medical Surgical Nursing Certification MEDSURG BC certification exams This comprehensive study aid begins with information about the exams legal and

professional issues and a homeostasis chapter focused on the core concepts of medical surgical nursing and bedside emergencies The remaining chapters are organized by body system and are presented in a concise easy to follow format which includes pharmacology laboratory and diagnostic tables throughout Relevant case studies key takeaways test taking tips and illustrations are incorporated to help clarify key concepts Each chapter covers everything you need to know to pass the exam and includes end of chapter questions to check your knowledge The review concludes with a full length practice test to get you ready for exam day With more than 300 practice questions detailed review content and answer rationales this study aid empowers you with the tools and materials to study your way and the confidence to pass the first time guaranteed Know that you're ready Know that you'll pass with Springer Publishing Exam Prep Key Features Reflects the latest MSNCB and ANCC exam blueprints Provides a comprehensive yet concise review of essential knowledge for the exam Features pharmacology laboratory and diagnostic tables to help organize information Highlights case studies key takeaways and test taking tips Includes end of chapter Q A and a full practice test with detailed rationales Boosts your confidence with a 100% pass guarantee CMSRN is a registered service mark of the Medical Surgical Nursing Certification Board MSNCB MSNCB does not sponsor or endorse this resource nor does it have a proprietary relationship with Springer Publishing MEDSURG BC is a registered service mark of the American Nurses Credentialing Center ANCC ANCC does not sponsor or endorse this resource nor does it have a proprietary relationship with Springer Publishing Med-Surg Success Kathryn Cadenhead Colgrove, 2016-08-15 Assure your mastery of medical surgical nursing knowledge while honing your critical thinking and test taking skills The 3rd Edition of this popular resource features over 2 300 questions including 550 alternate format questions that reflect the latest advances in medical surgical nursing and the latest NCLEX RN test plan They organize the seemingly huge volume of information you must master into manageable sections divided by body systems and specific diseases

**Gerontological Nursing** Kristen Mauk, 2010-10-25 Gerontological Nursing Competencies for Care Second Edition is a comprehensive and student accessible text that offers a holistic and inter disciplinary approach to caring for the elderly The framework for the text is built around the Core Competencies set forth by the American Association of Colleges of Nursing AACN and the John A Hartford Foundation Institute for Geriatric Nursing Building upon their knowledge in prior medical surgical courses this text gives students the skills and theory needed to provide outstanding care for the growing elderly population It is the first of its kind to have more than 40 contributing authors from many different disciplines Some of the key features include chapter outlines learning objectives discussion questions personal reflection boxes and case studies

Handbook of Clinical Nursing: Medical-Surgical Nursing Ronald Hickman, Joyce J. Fitzpatrick, Celeste M. Alfes, 2018-02-28 Designed for recently graduated RNs and nurses transitioning to a new clinical area this extensive clinical reference is the best resource to provide essential information to nurses working on the med unit Concise and practical entries provide fundamental coverage of the most common clinical problems and issues encountered in nursing practice today Alphabetized

for easy access each entry includes a definition and description of the clinical problem etiology clinical aspects such as assessment nursing interventions management and implications and outcomes Each entry focuses on the role of the nurse throughout the treatment process and discusses the role of other healthcare providers with a focus on multidisciplinary treatment Handbook of Clinical Nursing Medical Surgical Nursing will be of value to nursing faculty undergraduate and graduate level nurses and nursing students at all levels Entries from this text have been selected from the larger resource A Guide to Mastery in Clinical Nursing The Comprehensive Reference Key Features Provides essential information on clinical topics pertinent to nurses working in med surg units Offers key knowledge for nurses new to practice or working in an unfamiliar nursing area Presented in a consistent format for ease of use Includes an overview of each specialty area Focuses on the role of the nurse throughout the treatment process Written and edited by expert clinicians and educators

*Medical-surgical Nursing* Joyce M. Black, Jane Hokanson Hawks, 2001 CD ROM contains Discussion for thinking critically questions case studies NCLEX **Med-Surg Success:** Christi Doherty, 2024-10-07 Assure your mastery of medical surgical nursing knowledge while honing your critical thinking and test taking skills Over 2 000 questions including NGN style and alternate format questions reflect the latest advances in medical surgical nursing and the latest NCLEX RN test plan The huge volume of information you must master is organized into manageable sections divided by body systems and specific diseases Each chapter is a self contained unit For each practice question you ll find the answer rationale for correct and incorrect responses and a test taking tip You ll also find Clinical Judgment Case Studies in each chapter and NGN clinical judgment question types testing the cognitive skills of the NCSBN s clinical judgment measurement model The co

*Medical-surgical Nursing* Charlene J. Reeves, Gayle M. Roux, Robin Lockhart, 1998 Medical Surgical Nursing provides a focused thorough and highly engaging introduction to the essential information you need to think critically make sound clinical judgements and create therapeutic plans of care Margin notes and annotated references are just a few of the unique features that make this textbook so useful in your study By body system you ll review all diseases and disorders in depth but not in overwhelming detail As a Core Textbook the content is totally centered on your needs as a student or the need of the practicing nurse seeking a refresher in medical surgical nursing The coverage is concise the margin notes explain key concepts and the writing style is crisp and clear **Medical-Surgical Nursing - E-Book** Sharon L. Lewis, Shannon Ruff Dirksen, Margaret M. Heitkemper, Linda Bucher, Ian Camera, 2015-07-13 Written by a dedicated team of expert authors led by Sharon Lewis Medical Surgical Nursing 8th Edition offers up to date coverage of the latest trends hot topics and clinical developments in the field to help you provide exceptional care in today s fast paced health care environment Completely revised and updated content explores patient care in various clinical settings and focuses on key topics such as prioritization clinical decision making patient safety and NCLEX exam preparation A variety of helpful boxes and tables make it easy to find essential information and the accessible writing style makes even complex concepts easy to grasp Best of all a complete

collection of interactive learning and study tools help you learn more effectively and offer valuable real world preparation for clinical practice

**Brunner & Suddarth's Textbook of Canadian Medical-surgical Nursing** Pauline Paul, Beverly Williams, 2009 This is the Second Edition of the popular Canadian adaptation of Brunner and Suddarth's Textbook of Medical Surgical Nursing by Day Paul and Williams Woven throughout the content is new and updated material that reflects key practice differences in Canada ranging from the healthcare system to cultural considerations epidemiology pharmacology Web resources and more Compatibility BlackBerry R OS 4 1 or Higher iPhone iPod Touch 2 0 or Higher Palm OS 3 5 or higher Palm Pre Classic Symbian S60 3rd edition Nokia Windows Mobile TM Pocket PC all versions Windows Mobile Smartphone Windows 98SE 2000 ME XP Vista Tablet PC

*Saunders Comprehensive Review for the NCLEX-RN® Examination - E-Book* Linda Anne Silvestri, 2010-10-12 This title includes additional digital media when purchased in print format For this digital book edition media content is not included

**Svastham One Liner - 2024** Akash Tiwari, 2024-01-13

**Svastham Healthcare Small Wins - Part 1 (202105)** Akash Tiwari, 2021-05-06 Books prepared as per NORCET AIIMS RRB ESIC DSSSB JIPMER PGIMER GMERS COH GUJARAT etc 6000 One Liners Key to Get Critical Information about Bigger Complex Topic Easily Prepared by Very Experienced Faculties in Clinical Nursing Field Increase your confidence by small sentences Which is easy to remember and light on memory Can be Useful as Foundation Stones for MCQs

**Prioritization, Delegation, & Management of Care for the NCLEX-RN® Exam** Ray A Hargrove-Huttel, Kathryn Cadenhead Colgrove, 2014-05-13 Master the critical thinking and test taking skills you need to excel on the prioritization delegation and management questions on the NCLEX RN Three sections provide you with three great ways to study In the first section you ll find individual and multiple client care focused scenario questions organized by disease process with rationales and test taking hints The second section features seven clinical case scenarios with open ended NCLEX style questions The third section is a comprehensive 100 question exam

**Med Surg Certification Exam Prep 2025-2026** Craig T. Smith, Juggling patient care while prepping for certification This all in one resource by Craig T Smith delivers focused efficient preparation without overwhelming your schedule Designed specifically for working med surg nurses it cuts through the clutter with High Yield Strategies Master time efficient learning techniques spaced repetition and clinical integration no cramming required 500 Practice Questions Build exam day confidence with NCLEX style questions mirroring actual test formats 2025 Updates Navigate critical changes like AI assessment tools telehealth competencies testing vendor transitions and revised guidelines Dual Exam Coverage Compare ANCC vs MSNCB pathways costs formats scoring eligibility to choose what fits your career Core Mastery Excel in assessment pathophysiology pharmacology emergencies and evidence based care with system specific insights Test Taking Mastery Learn priority setting frameworks question analysis and time management for both exams Includes actionable study plans 30 60 90 day risk reduction tactics documentation standards and professional role guidance Stop guessing start succeeding Equip yourself with the strategic edge to validate your

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