

Hurst Review NCLEX Study Guide

Fluid Volume Excess (hypervolemia) - ✓ Too much fluid in the vascular space caused by: HF, RF, and High Na intake (meds, food, IVF with Na) and Hormones (aldosterone and ADH)

How does HF cause FVE (Fluid Volume Excess)? - ✓ bc the weak heart cant perfuse the the kids therefore decreased Urine out put.

How does RF cause FVE? - ✓ the kidneys are not functioning therefore no urine out put and fluid remains in vasc space

Aldosterone - ✓ created in adrenal glands on Kidneys, it is a steroid and mineralocosteroid; retains water and sodium. therefore increases BP

ADH - ✓ anti diuretic therefore RETAINS water only. found in pituitary therefore any head trauma, surgery, or increased ICP can lead to ADH issues.

Dx name for it is Vasopressin or "Pressins"

Too much ADH - ✓ SIADH, therefore retains water in vasc space. Urine is concentrated (increased serum spef) and blood is diluted (decreased Blood HCT).

Too little ADH - ✓ Diabetes insipidus; diuresis fluid leads to FVD (shock), Urine will be dilute (urine spef will decrease) and blood will be conc. (HCT will be increased).

the three labs that concentration (increases) and dilution (decreases) - ✓ Na, Hct, Urine spef

FVE SS - ✓ increasae: BP, P, RR, CVP (2-6), DW, JVP
wet lungs, polyuria,
P is bounding and full
3rd spacing

FVE tx - ✓ low Na, fluid restriction
I&O and DW
Diuretics
bed rest

FVD (hypovolemia) - ✓ not enough fluid in vasc space which can lead to shock and is casued by fluid loss, 3rd space, Disease with polyuria.

FVD ss - ✓ wt decreases,
poor skin turg,

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IM Harris



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Table of Contents Hurst Nclex Study Guide

1. Understanding the eBook Hurst Nclex Study Guide
 - The Rise of Digital Reading Hurst Nclex Study Guide
 - Advantages of eBooks Over Traditional Books
2. Identifying Hurst Nclex 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 Hurst Nclex Study Guide
 - User-Friendly Interface
4. Exploring eBook Recommendations from Hurst Nclex Study Guide
 - Personalized Recommendations
 - Hurst Nclex Study Guide User Reviews and Ratings
 - Hurst Nclex Study Guide and Bestseller Lists
5. Accessing Hurst Nclex Study Guide Free and Paid eBooks
 - Hurst Nclex Study Guide Public Domain eBooks
 - Hurst Nclex Study Guide eBook Subscription Services
 - Hurst Nclex Study Guide Budget-Friendly Options
6. Navigating Hurst Nclex Study Guide eBook Formats

- ePub, PDF, MOBI, and More
- Hurst Nclex Study Guide Compatibility with Devices
- Hurst Nclex Study Guide Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Hurst Nclex Study Guide
 - Highlighting and Note-Taking Hurst Nclex Study Guide
 - Interactive Elements Hurst Nclex Study Guide
- 8. Staying Engaged with Hurst Nclex Study Guide
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Hurst Nclex Study Guide
- 9. Balancing eBooks and Physical Books Hurst Nclex Study Guide
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Hurst Nclex Study Guide
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Hurst Nclex Study Guide
 - Setting Reading Goals Hurst Nclex Study Guide
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Hurst Nclex Study Guide
 - Fact-Checking eBook Content of Hurst Nclex 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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