

MCA EXAM #4 Study Guide

Ch 54 Endocrine problems

1. What is the Syndrome of inappropriate antidiuretic hormone (SIADH)?

Excess ADH release which causes electrolyte imbalances (dilutional hyponatremia) and fluid volume excess.

SIADH "Soaked"
"Not ADH, Da Hyd"
Syndrome of Inappropriate Antidiuretic Hormone

7.5%

1. **S** **LOW** urine (LOW urine output)
2. **S** **LOW** & **THICK** "sticky" urine (Sp. Gravity > 1.030)
3. **S** **LOW** Urine "Low & Thick" Sake
urine osmolality (U_{osm}) **NEVER TIP**
4. **S** **LOW** serum Na⁺ (Na⁺ < 135 mEq/L) **NEVER TIP**
5. **S** **DECREASED** (LOW) free water: Headache, Confusion
6. **S** **SEVERE** HIGH blood pressure
7. **S** **STOP ALL FLUIDS** + **ONE** Salt + Glucose
(D5 1/2 N or D5 1/2 S) + (D5 2% Sodium + Gel Salt)

DI "Dehydrated"
"Not ADH"
Diabetes Insipidus

7.0%

1. **D** **INCREASE** "Dry" fluid (HIGH urine output)
2. **D** **DI** URINE urine Low specific Gravity (< 1.005)
3. **D** **D**ry L Urine "High & Dry" Sake
urine osmolality (U_{osm}) **NEVER TIP**
4. **D** **DECREASED** a lot "Thirsty"
5. **D** **DEHYDRATED** Dry Shallow & Skin
6. **D** **DECREASED** blood pressure
7. **D** **DECREASED** "concentrated" (LOW)
Increase Urine Output **NEVER TIP**
Should be Headache? (Low Na⁺ < 135 mEq/L)

2. What are the risk factors for developing the Syndrome of inappropriate antidiuretic (SIADH)? (Causes of SIADH table 54.3).

Causes: severe brain trauma, stroke, lung or pancreas malignancies, medications, stress, alcohol withdrawal, hypothyroidism, viral pneumonia, meningitis, adrenal insufficiency, COPD, HIV, Hypothyroidism, Lung infections

3. What are the symptoms of (SIADH)?

- Weight gain (bloated)
- Long time between voids (thick and sticky urine: high SG)
- Overabundance ADH

Mca Biology Review Study Guide

J Spring



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