

UHS RSCH ICU Neurosurgical Prompt Cards

Sodium disorders quick reference guide

Sodium disorders are commonly seen with neuro injuries and some neurological conditions

	DI	SIADH	CSW
Urine Output	High	Low	High
Serum Na	High	Low	Low
Urine Na	Low	High	High
Serum Osm	High	Low	Low
Urine Osm	Low	High	High
Volume Status	Normal to low	High	Low

- **DI: *Diabetes Insipidus*** – hypernatremia due to insufficient ADH production
- **SIADH: *Syndrome of Inappropriate Secretion of Anti-Diuretic Hormone*** – hyponatremia due to excessive ADH production
- **CSW: *Cerebral Salt Wasting*** – hyponatremia due to excessive salt loss via the urine

When to check for these disorders:

- When serum/ABG sodium levels are disordered, or shifting out of range
- When urine output is >200mls/hr for >3 consecutive hours

What to tests to send:

- Send 'paired osmos' – serum and urine osmolarities
- Send serum electrolytes
- Send urinary sodium sample