## The Ins and Outs of Hyponatremia

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## What factors can contribute to hyponatremia?

- Pain or stress
- Plate covered, i.e. low solute intake
  - Free water on the tray
- IV Fluids
- Banana, providing K
- Bedside commode, which might imply diarrheal volume losses

## How much water can one drink before becoming hyponatremic?

	Young and Healthy	Elderly	ЕТОН	Lung Tumor
PO Solute	600-900	300	400	600
Urine Osm	50	150	100	300
Water volume before sodium drops (in Liters)	18 L	2L	4L	2L
Diagnosis	Psychogenic Polydipsia	Tea and Toast Diet	Beer Potomania	SIADH

- Check Posm, Uosm, UNa in ER!
- **[Na/H2O]** Usually, it's not the Na. It's too much H2O (excess PO H2O, low PO solute, abnormal kidneys, high ADH).
- Are the kidneys appropriately handling the water load?
  - Uosm <100 is appropriate. The problem is likely drinking "too much".
  - Uosm >100 suggests too much ADH.
    Figure out what's simulating ADH!

## **Practical Tips for Ins and Outs**

- Communicate with the nurse!
- Put sign on the door if on fluid restriction.
- Talk to patient care assistant (PCA)
- Talk to patient!
- Ice chips count!
- Reassess diet, solute intake, and consider nutrition consult.

collaboration

C

team work

listening

interprofessional

understanding



learning together





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